

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020320\
 Data File : VN059970.D
 Acq On : 3 Feb 2020 13:31
 Operator : JC/MD
 Sample : VN0203WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 11:20:36 AM

Quant Time: Feb 03 14:14:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	191520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	301760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	274315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128753	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	117953	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	
35) Dibromofluoromethane	7.57	113	94907	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
50) Toluene-d8	10.08	98	358272	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
62) 4-Bromofluorobenzene	12.40	95	130743	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	37971	16.465	ug/l	100
3) Chloromethane	2.04	50	40750	18.585	ug/l	98
4) Vinyl Chloride	2.17	62	52501	20.927	ug/l	99
5) Bromomethane	2.55	94	29977	19.580	ug/l	98
6) Chloroethane	2.69	64	24098	20.303	ug/l	99
7) Trichlorofluoromethane	3.01	101	59248	19.665	ug/l	97
8) Diethyl Ether	3.39	74	22217	21.012	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34937	20.835	ug/l	96
10) Methyl Iodide	3.93	142	44567	16.442	ug/l	96
11) Tert butyl alcohol	4.73	59	37824	105.639	ug/l #	84
12) 1,1-Dichloroethene	3.72	96	32951	18.805	ug/l	93
13) Acrolein	3.58	56	13857	54.672	ug/l	93
14) Allyl chloride	4.30	41	49724	21.054	ug/l #	87
15) Acrylonitrile	4.95	53	89850	110.011	ug/l	99
16) Acetone	3.78	43	93441	123.755	ug/l	99
17) Carbon Disulfide	4.03	76	80488	16.125	ug/l	98
18) Methyl Acetate	4.29	43	55564	22.366	ug/l	93
19) Methyl tert-butyl Ether	5.01	73	121965	21.349	ug/l	97
20) Methylene Chloride	4.53	84	39996	20.009	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	35653	19.142	ug/l	92
22) Diisopropyl ether	5.92	45	113576	21.220	ug/l	92
23) Vinyl Acetate	5.86	43	431467	104.121	ug/l #	95
24) 1,1-Dichloroethane	5.82	63	68619	20.982	ug/l	98
25) 2-Butanone	6.80	43	125704	104.367	ug/l	95
26) 2,2-Dichloropropane	6.80	77	64158	20.406	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	44260	20.660	ug/l	89
28) Bromochloromethane	7.17	49	27903	21.347	ug/l #	18
29) Tetrahydrofuran	7.18	42	78254	105.009	ug/l	89
30) Chloroform	7.35	83	71511	21.104	ug/l	99
31) Cyclohexane	7.63	56	59173	18.804	ug/l #	89
32) 1,1,1-Trichloroethane	7.55	97	65082	20.773	ug/l	97
36) 1,1-Dichloropropene	7.77	75	51616	19.642	ug/l	96
37) Ethyl Acetate	6.90	43	51409	20.858	ug/l	97
38) Carbon Tetrachloride	7.75	117	57099	19.975	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	58307	17.995	ug/l	95
40) Benzene	8.02	78	155705	19.868	ug/l	100
41) Methacrylonitrile	7.15	41	18166m	14.964	ug/l	
42) 1,2-Dichloroethane	8.10	62	57289	21.560	ug/l	97
43) Isopropyl Acetate	8.14	43	85165	20.089	ug/l	96
44) Trichloroethene	8.82	130	44118	20.621	ug/l	94
45) 1,2-Dichloropropane	9.10	63	40491	20.879	ug/l	98
46) Dibromomethane	9.19	93	28505	20.837	ug/l	92
47) Bromodichloromethane	9.39	83	58101	21.076	ug/l	99
48) Methyl methacrylate	9.18	41	36536	19.267	ug/l	90
49) 1,4-Dioxane	9.18	88	14932	430.149	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	255679	104.332	ug/l	96
52) Toluene	10.14	92	98615	19.921	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	64457	20.940	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	68102	21.027	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	41808	21.324	ug/l	96
56) Ethyl methacrylate	10.42	69	58122	19.401	ug/l	95
57) 1,3-Dichloropropane	10.70	76	68072	21.869	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	96420	106.854	ug/l	93
59) 2-Hexanone	10.74	43	187103	103.635	ug/l	95
60) Dibromochloromethane	10.89	129	44812	20.071	ug/l	98
61) 1,2-Dibromoethane	11.00	107	42317	20.593	ug/l	97
64) Tetrachloroethene	10.62	164	45730	20.455	ug/l	94
65) Chlorobenzene	11.43	112	108816	20.182	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	42893	20.588	ug/l	99
67) Ethyl Benzene	11.51	91	194292	19.851	ug/l	98
68) m/p-Xylenes	11.62	106	144897	39.191	ug/l	95
69) o-Xylene	11.94	106	70208	19.396	ug/l	98
70) Styrene	11.96	104	114168	18.849	ug/l	97
71) Bromoform	12.12	173	33225	19.909	ug/l #	97
73) Isopropylbenzene	12.25	105	193702	20.513	ug/l	99
74) N-amyl acetate	12.07	43	69589	18.992	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	58052	21.207	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	49917m	23.037	ug/l	
77) Bromobenzene	12.52	156	48776	20.398	ug/l	85
78) n-propylbenzene	12.59	91	216147	20.394	ug/l	98
79) 2-Chlorotoluene	12.67	91	130032	20.624	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	158677	19.981	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20463	20.281	ug/l	97
82) 4-Chlorotoluene	12.77	91	131066	20.725	ug/l	97
83) tert-Butylbenzene	12.99	119	140984	20.527	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	158573	20.184	ug/l	98
85) sec-Butylbenzene	13.17	105	182784	20.256	ug/l	98
86) p-Isopropyltoluene	13.29	119	165607	19.834	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	84261	20.286	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	83138	20.063	ug/l	98
89) n-Butylbenzene	13.61	91	143494	20.156	ug/l	99
90) Hexachloroethane	13.87	117	30785	19.706	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	84592	20.600	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13185	21.239	ug/l	94

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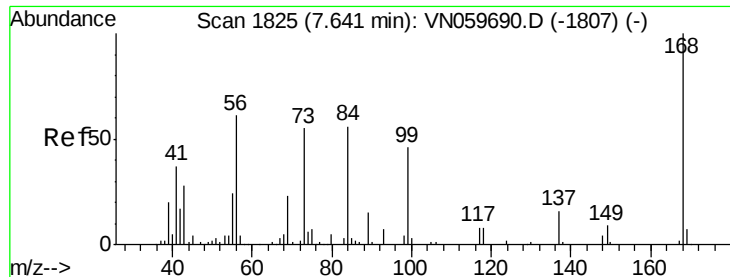
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48158	19.517	ug/l	97
94) Hexachlorobutadiene	15.01	225	27423	20.168	ug/l	99
95) Naphthalene	15.13	128	133542	19.027	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	48084	20.020	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBSD01

Tot Ion:168 Resp: 191520

Ion Ratio Lower Upper

168 100

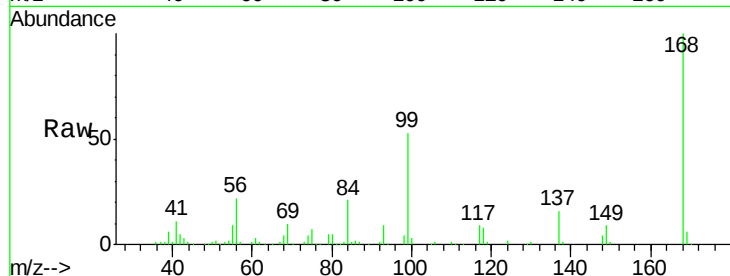
99 53.0 48.2 72.4

Manual Integrations

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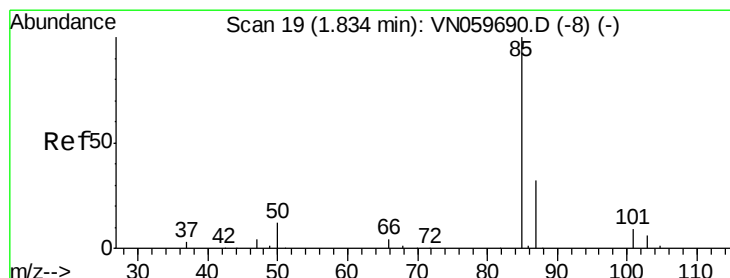
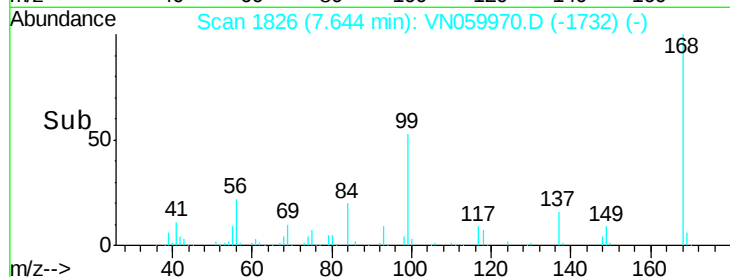
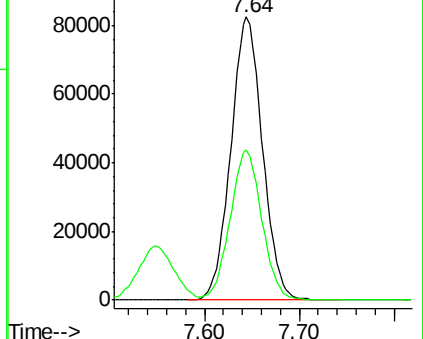
MMDadoda

2/4/2020 11:20:36 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 16.465 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059970.D

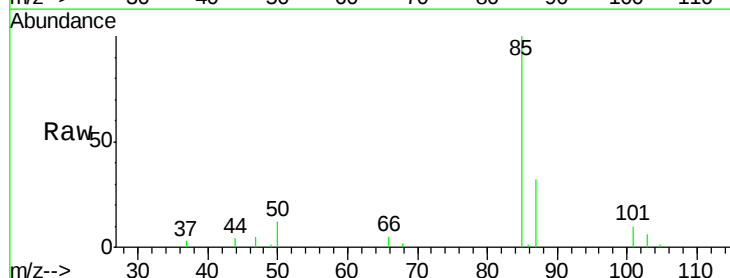
Acq: 3 Feb 2020 13:31

Tgt Ion: 85 Resp: 37971

Ion Ratio Lower Upper

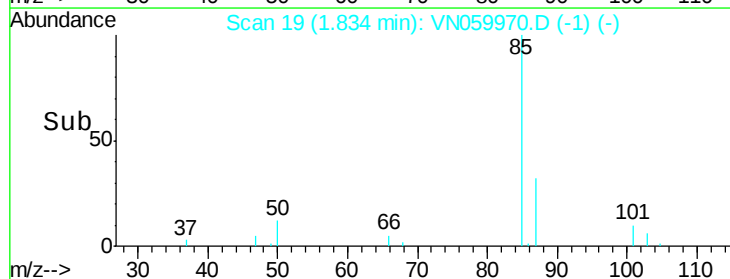
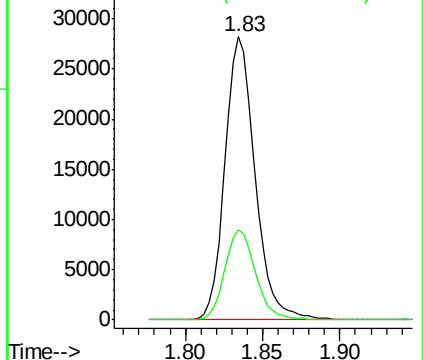
85 100

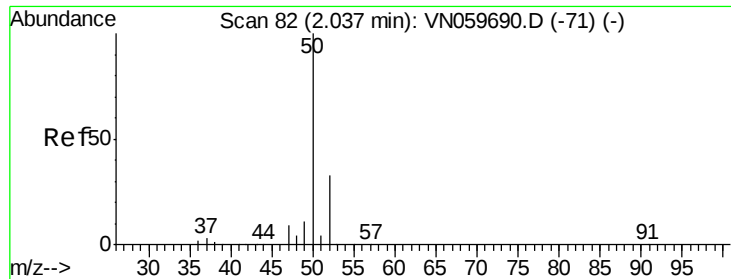
87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.585 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0203WBSD01

Tot Ion: 50 Resp: 40750

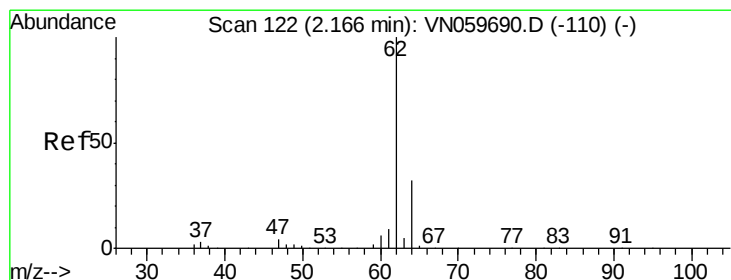
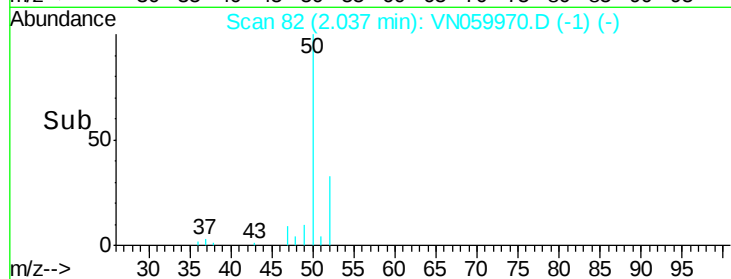
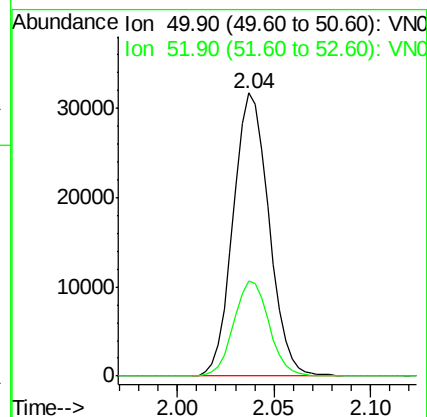
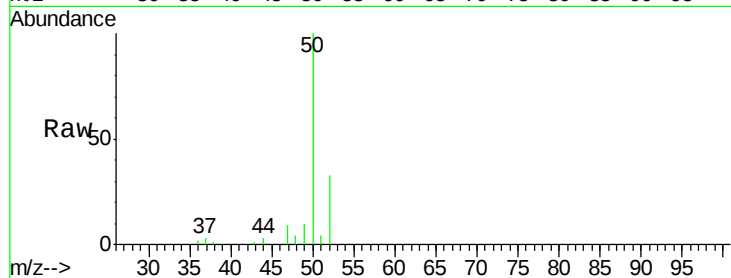
Ion Ratio Lower Upper

50 100

52 33.5 25.9 38.9

Manual Integrations
APPROVED

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#4

Vinyl Chloride

Concen: 20.927 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059970.D

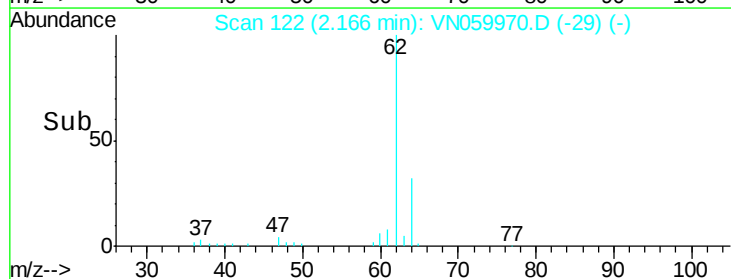
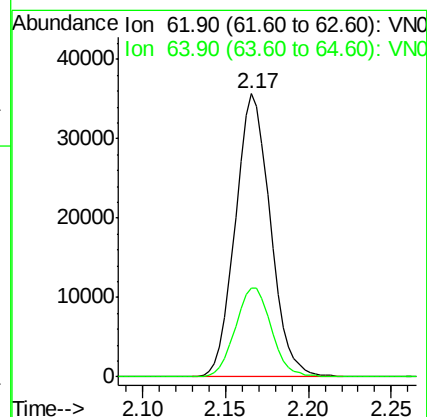
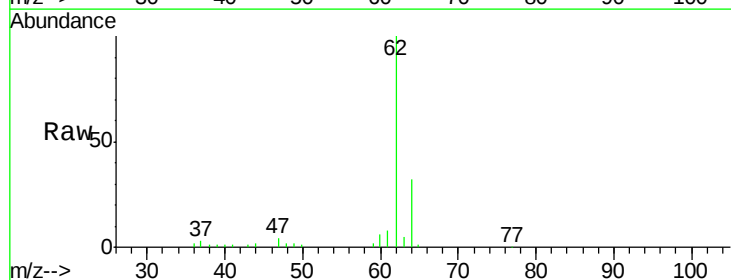
Acq: 3 Feb 2020 13:31

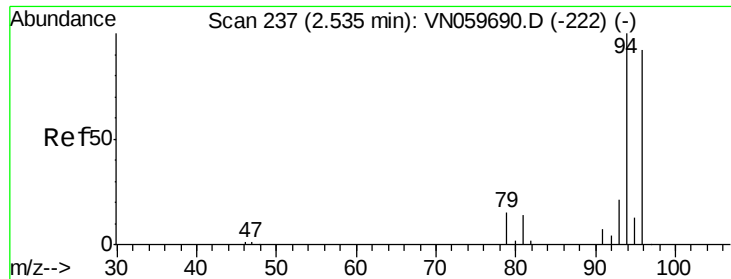
Tgt Ion: 62 Resp: 52501

Ion Ratio Lower Upper

62 100

64 31.5 24.6 37.0





#5

Bromomethane

Concen: 19.580 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBSD01

Tot Ion: 94 Resp: 29977

Ion Ratio Lower Upper

94 100

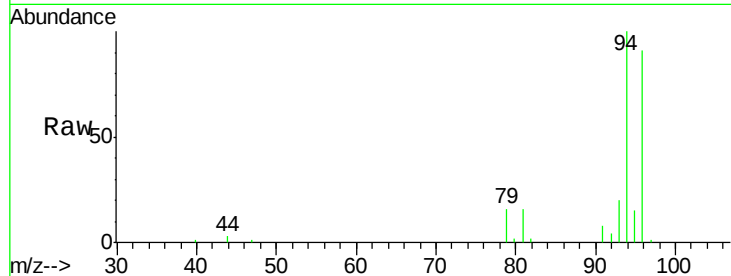
96 91.4 74.7 112.1

Manual Integrations

APPROVED

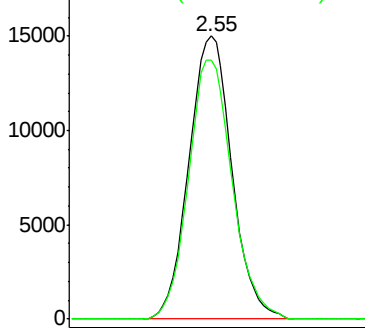
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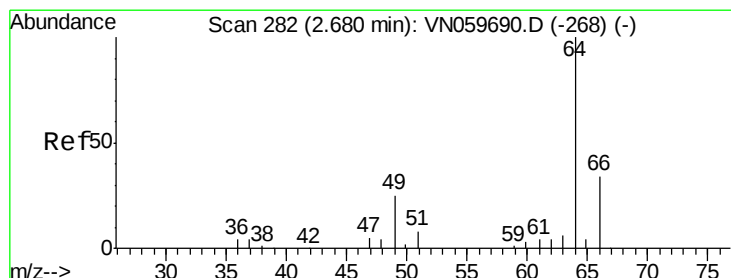
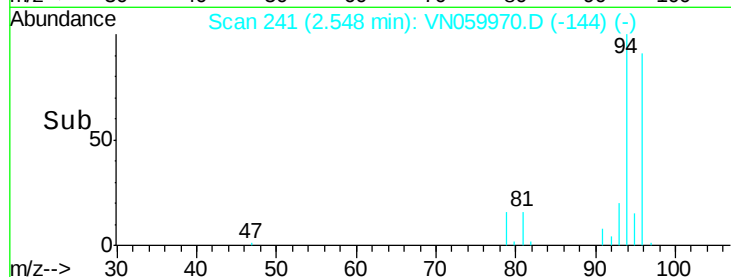


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 20.303 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059970.D

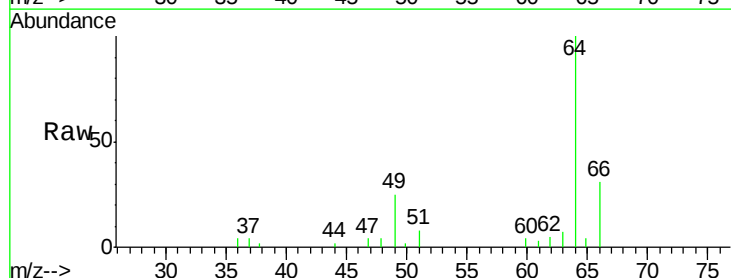
Acq: 3 Feb 2020 13:31

Tgt Ion: 64 Resp: 24098

Ion Ratio Lower Upper

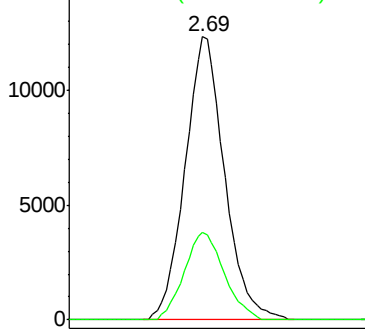
64 100

66 31.0 25.1 37.7

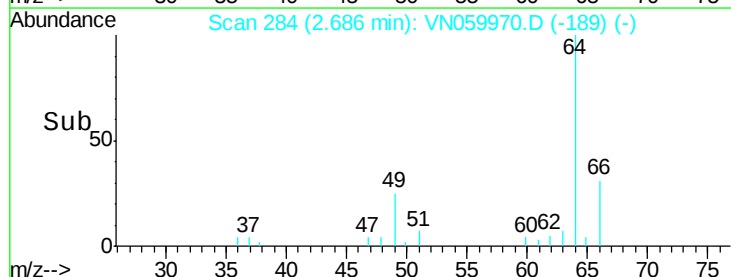


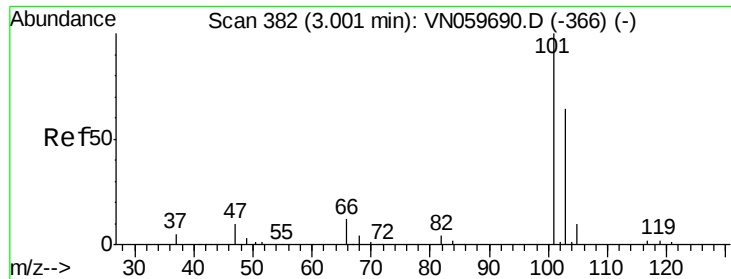
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

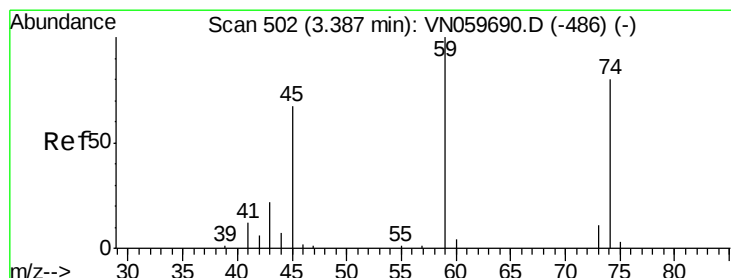
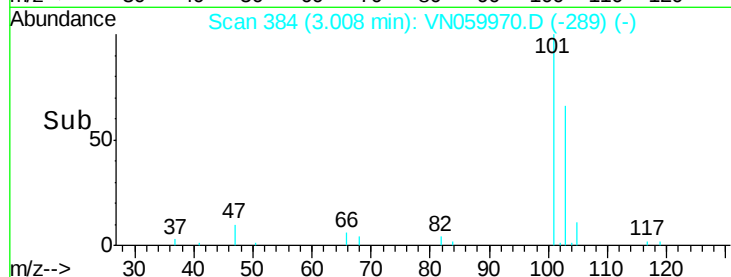
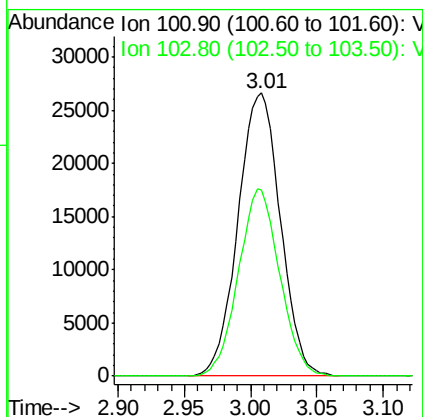
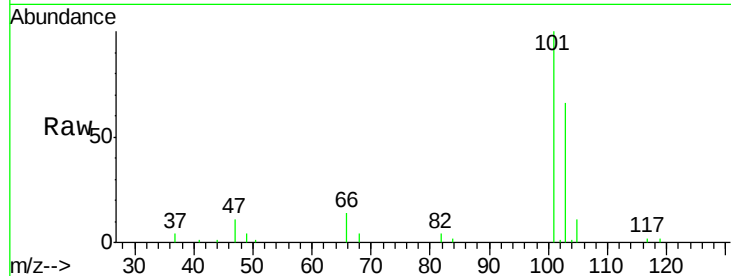
Trichlorofluoromethane
 Concen: 19.665 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Instrument :
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Tot Ion:101 Resp: 59248
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.0 76.6

Manual Integrations
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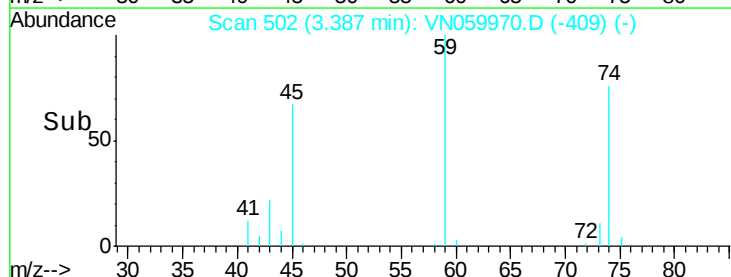
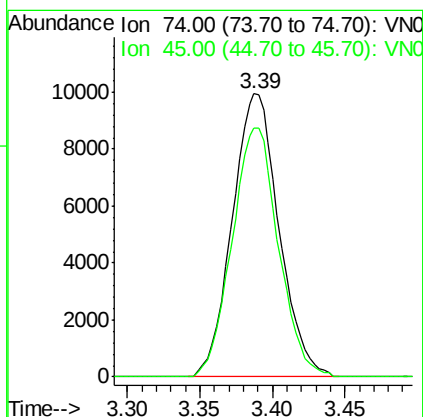
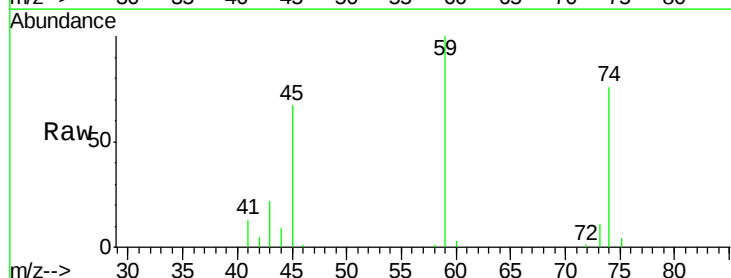
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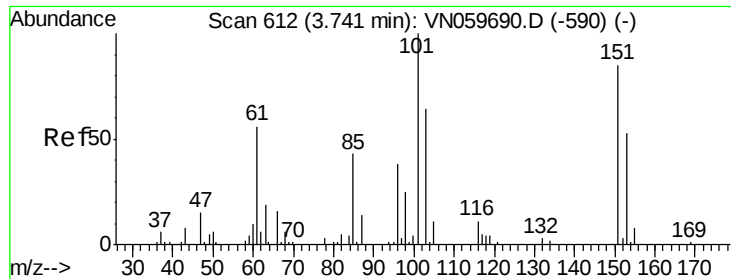


#8

Diethyl Ether
 Concen: 21.012 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion: 74 Resp: 22217
 Ion Ratio Lower Upper
 74 100
 45 87.4 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.835 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN059970.D

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Instrument :

MSVOA_N

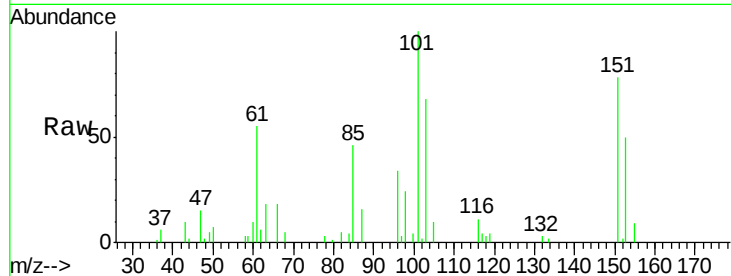
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VN0203WBSD01

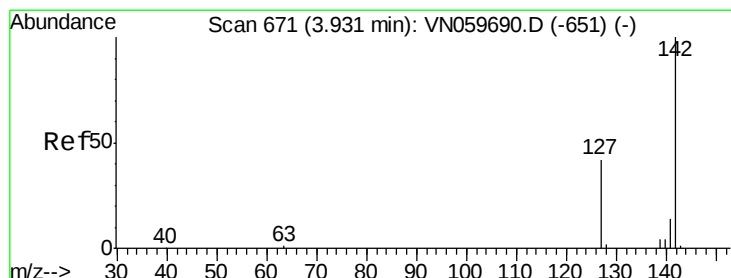
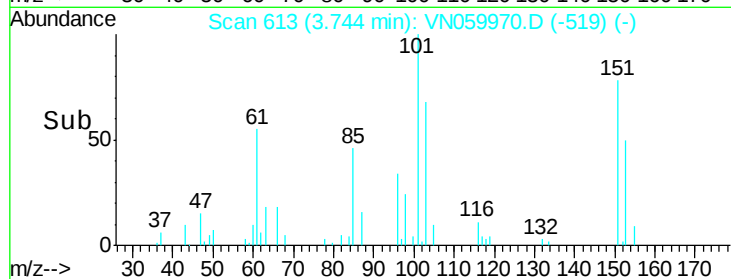
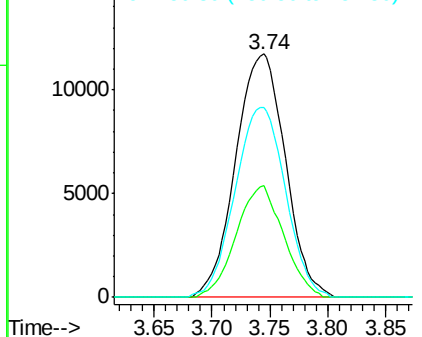
Tot Ion:	101	Resp:	34937
Ion Ratio	Lower	Upper	
101	100		
85	43.7	36.6	54.8
151	79.1	59.7	89.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.442 ug/l

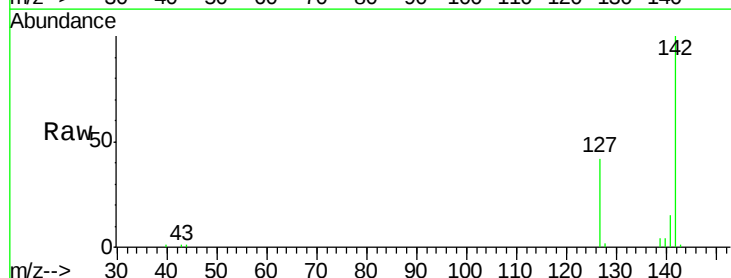
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

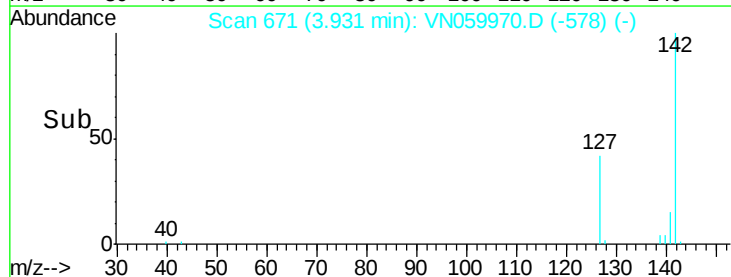
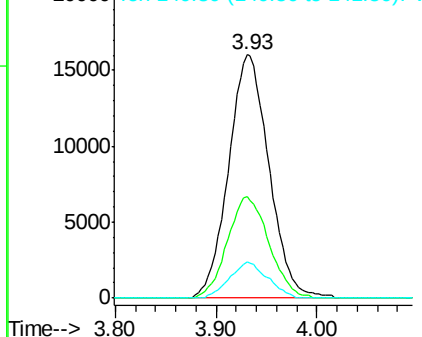
Lab File: VN059970.D

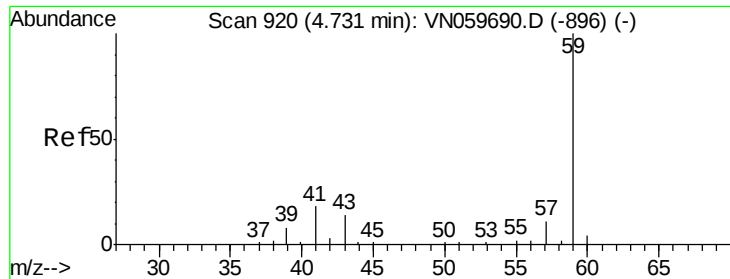
Acq: 3 Feb 2020 13:31

Tgt Ion:	142	Resp:	44567
Ion Ratio	Lower	Upper	
142	100		
127	42.7	36.7	55.1
141	13.9	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





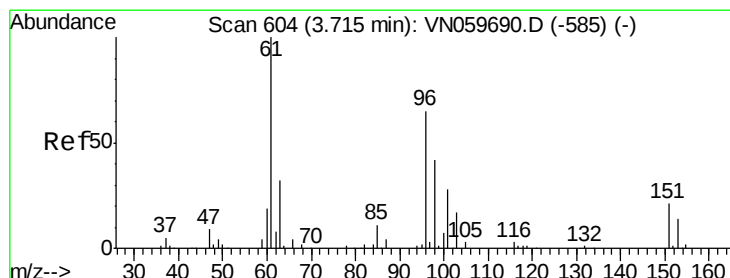
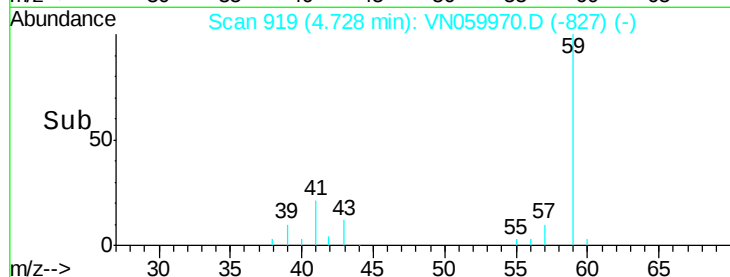
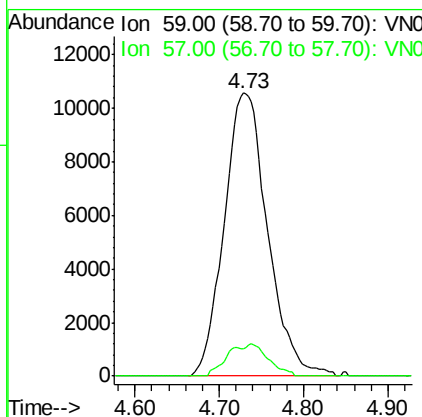
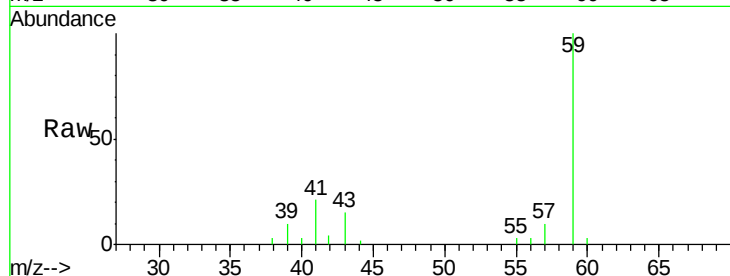
#11
Tert butyl alcohol
Concen: 105.639 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.7	8.6	12.8#

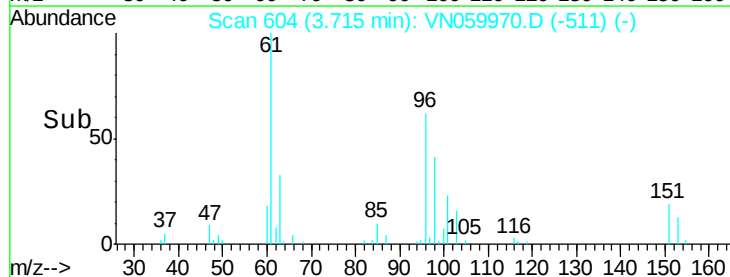
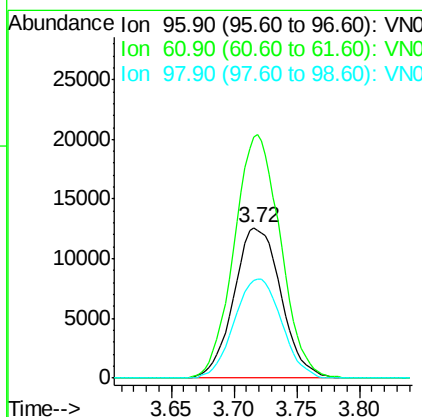
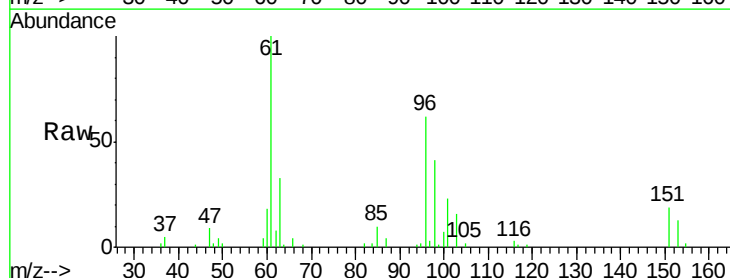
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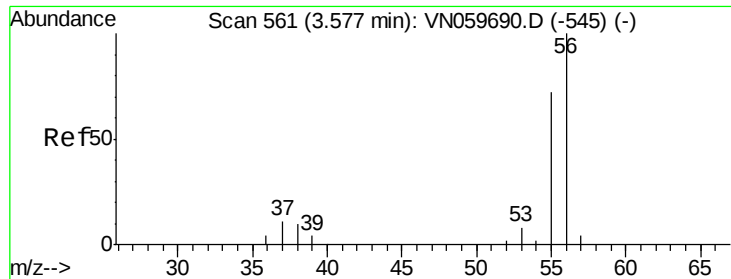
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#12
1,1-Dichloroethene
Concen: 18.805 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.2	137.5	206.3
98	65.0	50.2	75.4





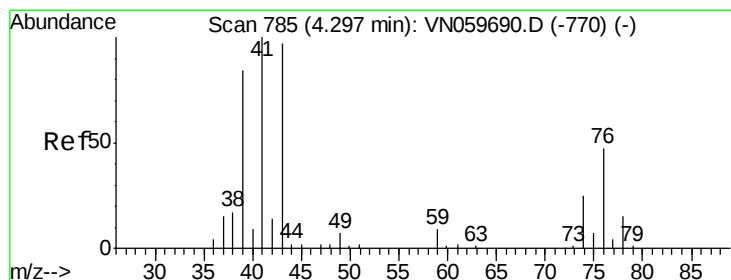
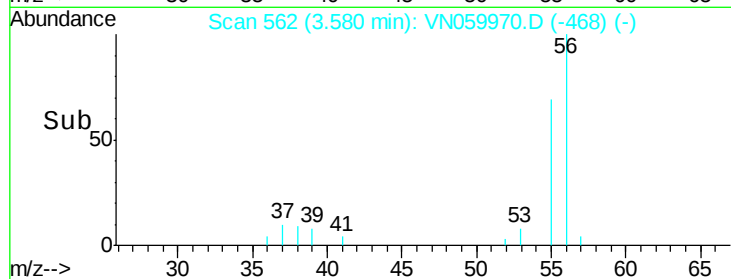
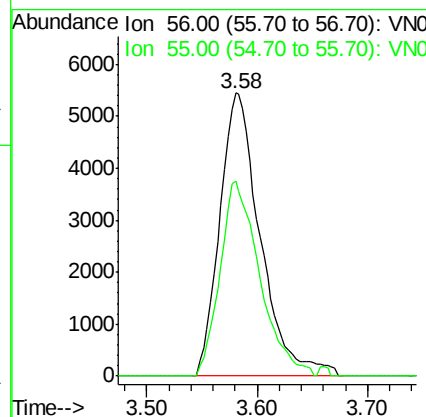
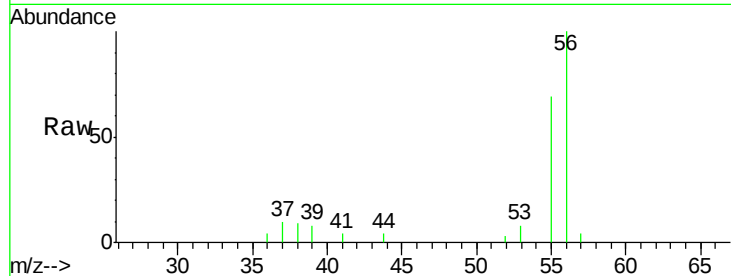
#13
Acrolein
Concen: 54.672 ug/l
RT: 3.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

Tot Ion: 56 Resp: 13857
Ion Ratio Lower Upper
56 100
55 67.5 58.6 88.0

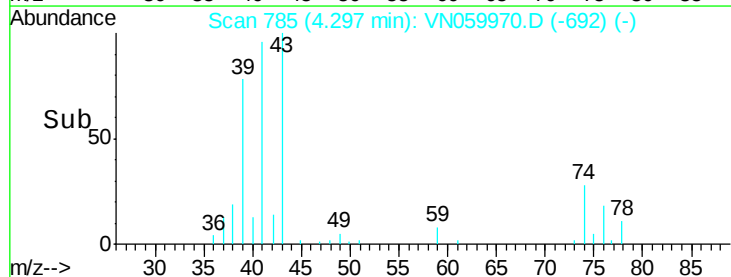
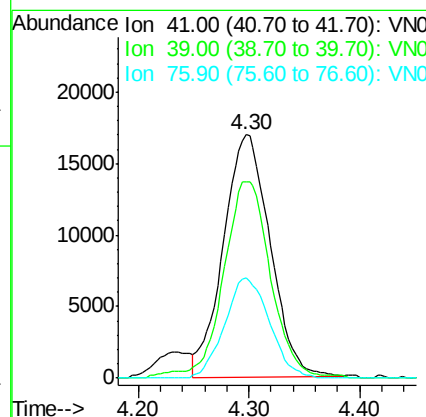
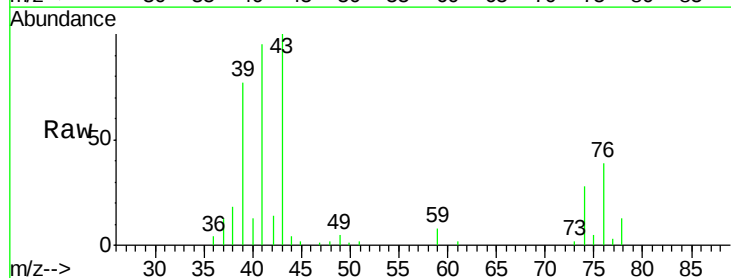
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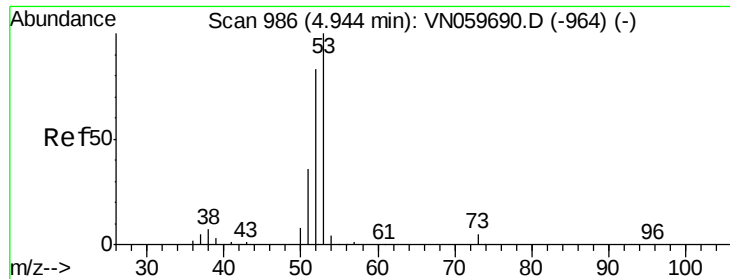
MMDadoda
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#14
Allyl chloride
Concen: 21.054 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion: 41 Resp: 49724
Ion Ratio Lower Upper
41 100
39 82.3 57.8 86.8
76 39.6 25.4 38.0#





#15

Acrylonitrile

Concen: 110.011 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

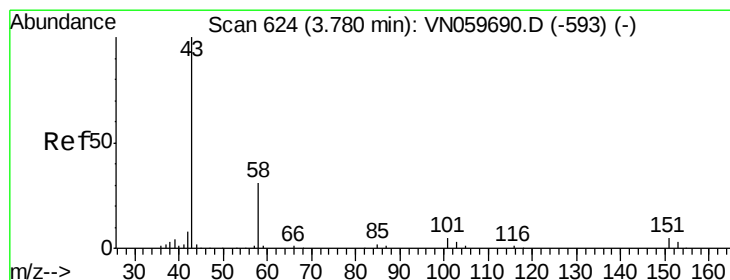
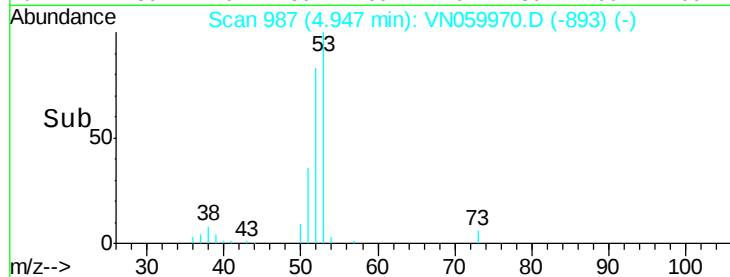
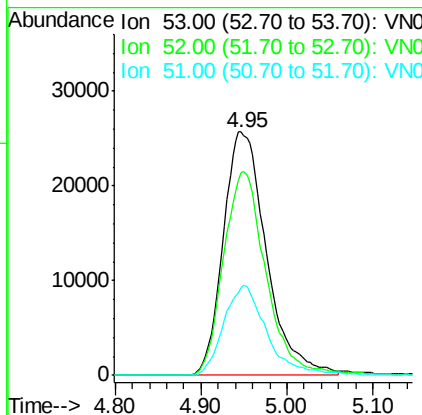
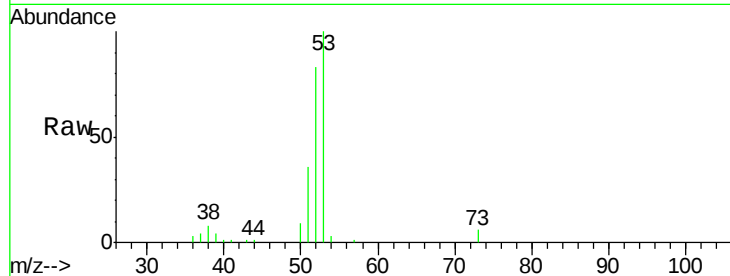
ClientSampleId :

VN0203WBSD01

Tot Ion:	53	Resp:	89850
Ion Ratio		Lower	Upper
53	100		
52	81.8	66.3	99.5
51	36.7	29.7	44.5

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#16

Acetone

Concen: 123.755 ug/l

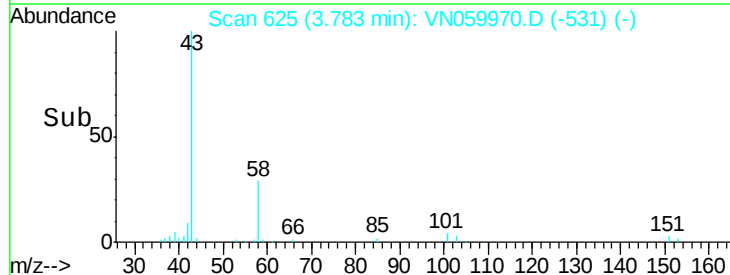
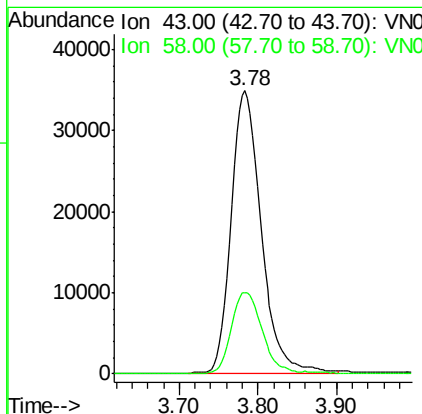
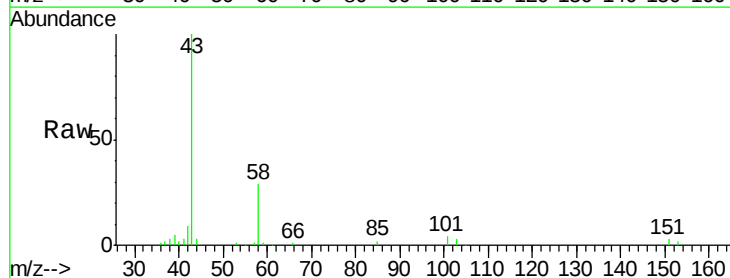
RT: 3.78 min Scan# 625

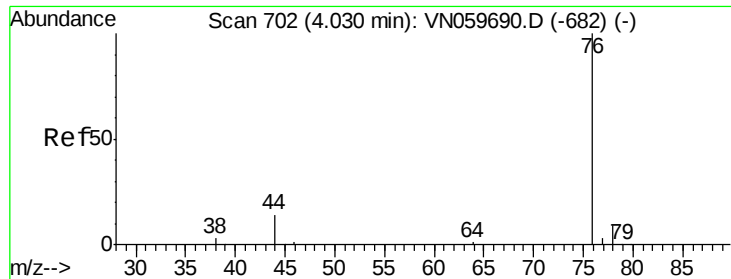
Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Tgt Ion:	43	Resp:	93441
Ion Ratio		Lower	Upper
43	100		
58	28.9	23.6	35.4





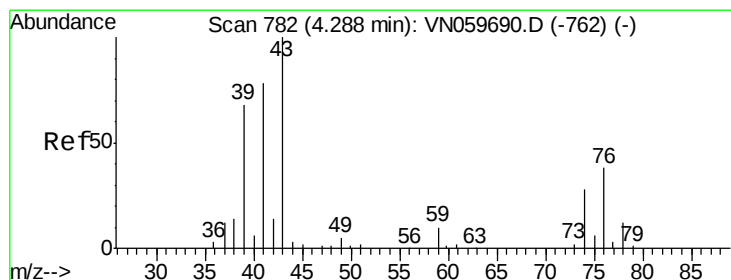
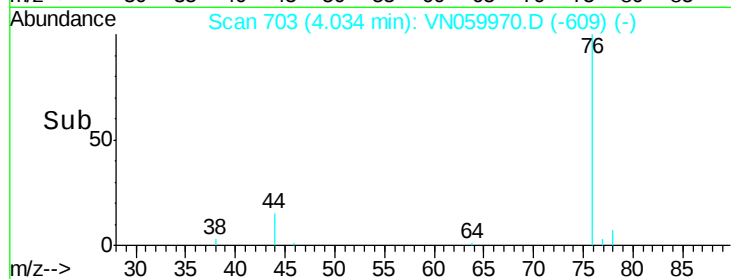
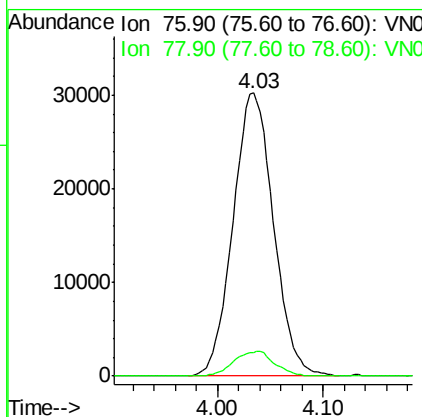
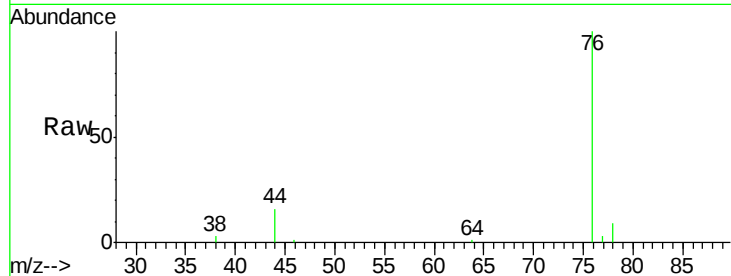
#17
Carbon Disulfide
Concen: 16.125 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

Tot Ion: 76 Resp: 80488
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0

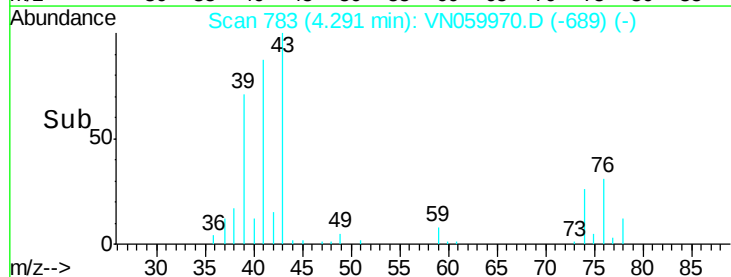
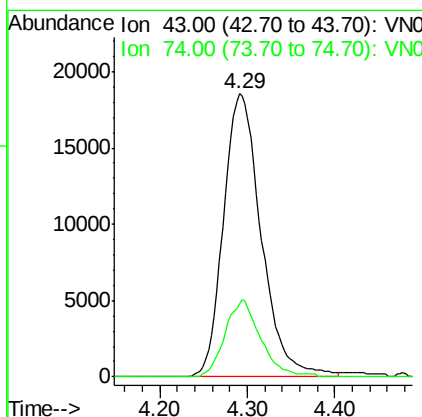
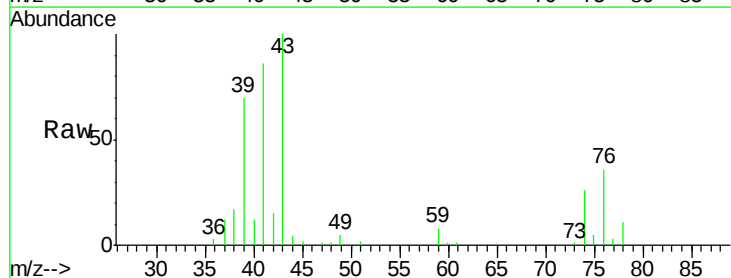
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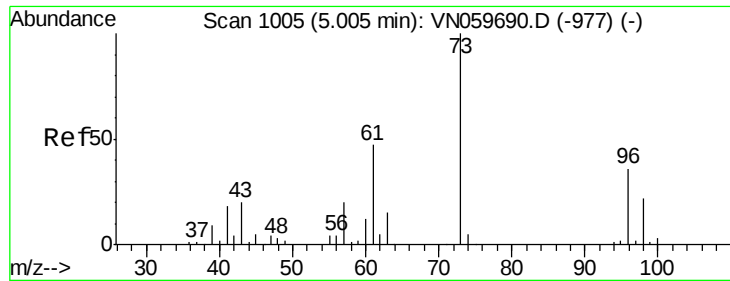
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#18
Methyl Acetate
Concen: 22.366 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion: 43 Resp: 55564
Ion Ratio Lower Upper
43 100
74 25.4 17.5 26.3





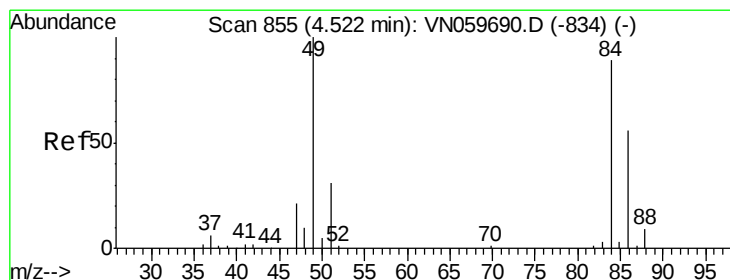
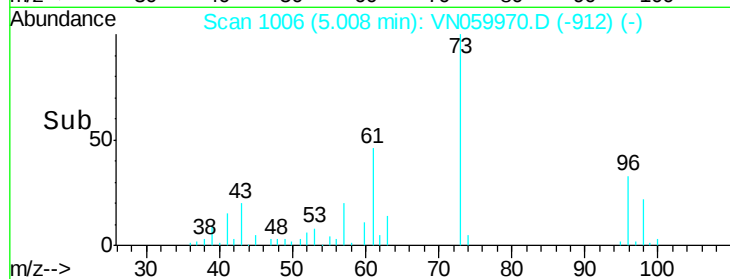
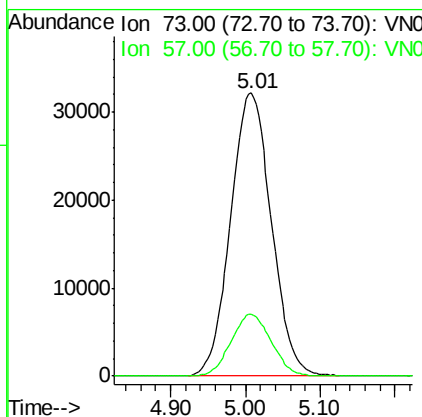
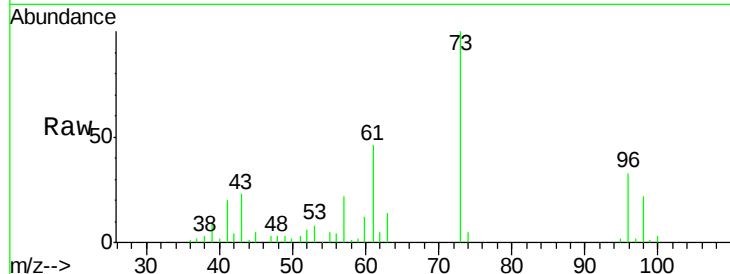
#19
Methvl tert-butvl Ether
Concen: 21.349 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampled :
VN0203WBSD01

Tot Ion: 73 Resp: 121965
Ion Ratio Lower Upper
73 100
57 21.9 18.6 27.8

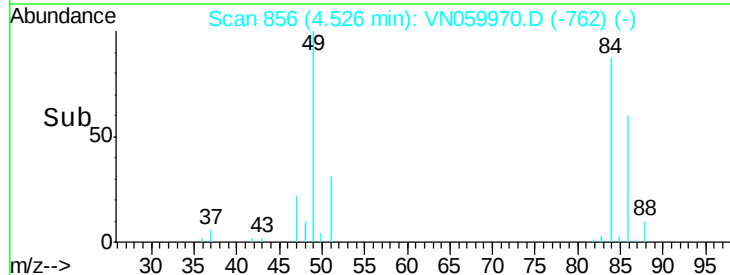
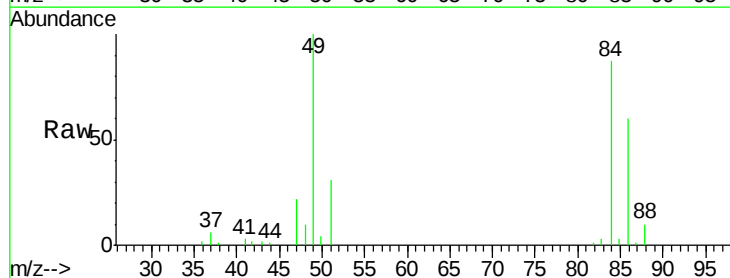
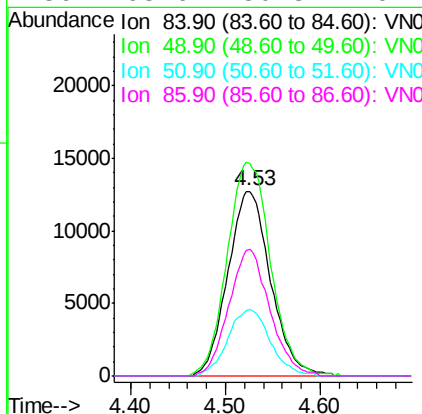
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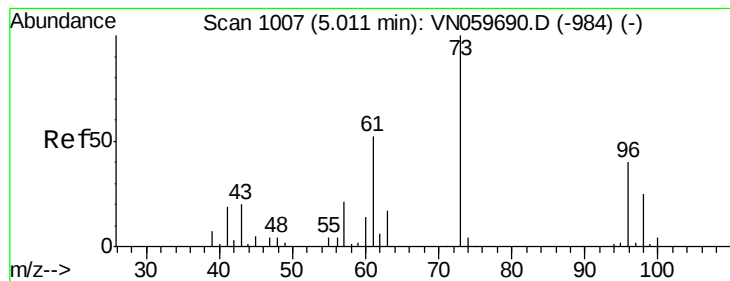
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#20
Methylene Chloride
Concen: 20.009 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion: 84 Resp: 39996
Ion Ratio Lower Upper
84 100
49 114.9 106.6 160.0
51 36.1 31.9 47.9
86 68.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.142 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

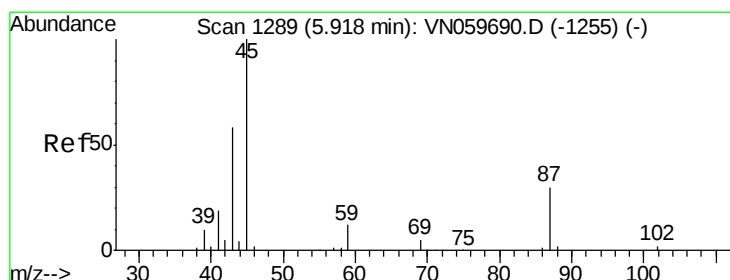
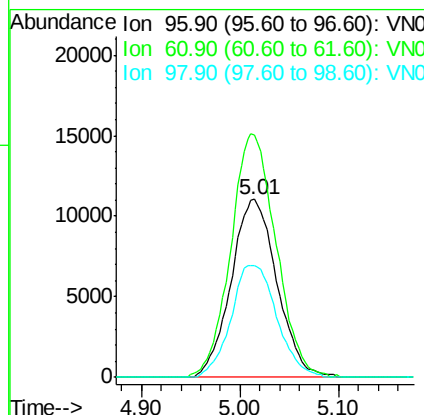
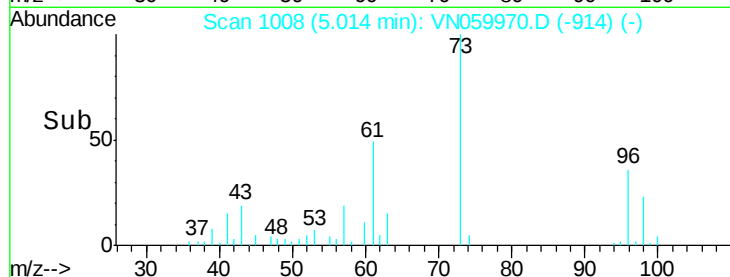
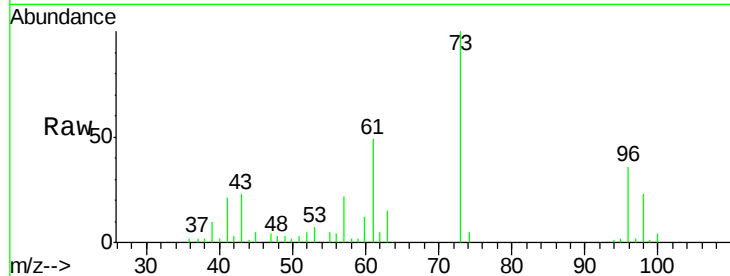
ClientSampleId :

VN0203WBSD01

Tot Ion:	96	Resp:	35653
Ion	Ratio	Lower	Upper
96	100		
61	135.7	120.4	180.6
98	63.0	50.6	75.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.220 ug/l

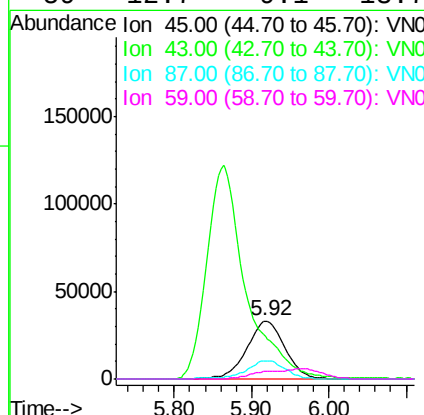
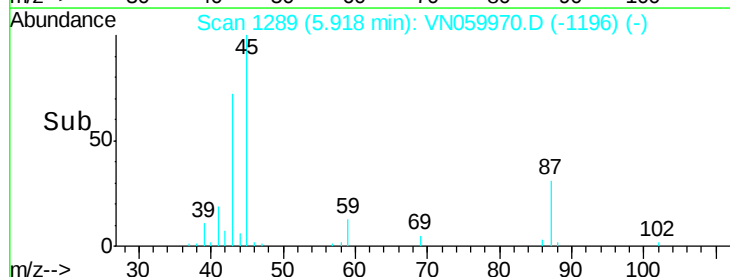
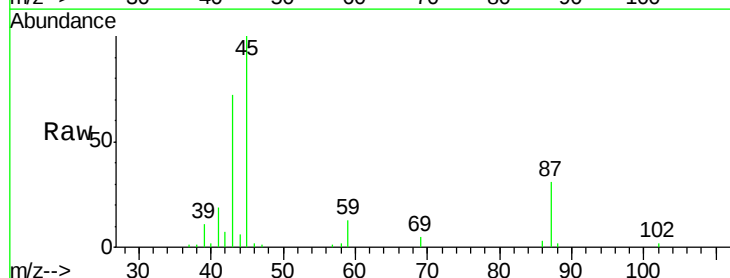
RT: 5.92 min Scan# 1289

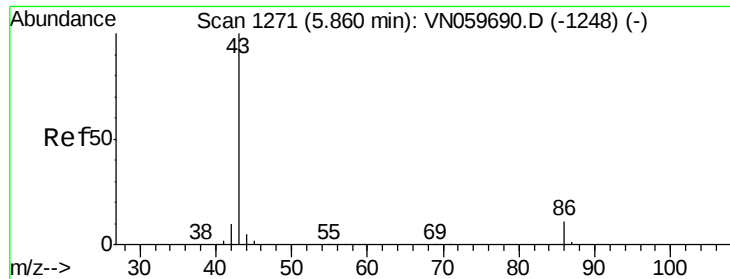
Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Tgt Ion:	45	Resp:	113576
Ion	Ratio	Lower	Upper
45	100		
43	69.9	50.8	76.2
87	30.7	21.0	31.6
59	12.7	9.1	13.7





#23

Vinyl Acetate

Concen: 104.121 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBSD01

Tot Ion: 43 Resp: 431467

Ion Ratio Lower Upper

43 100

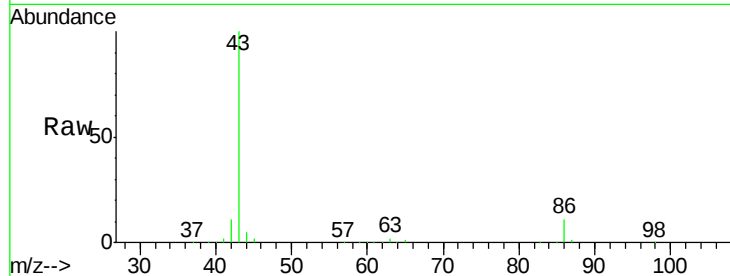
86 11.5 7.6 11.4#

Manual Integrations

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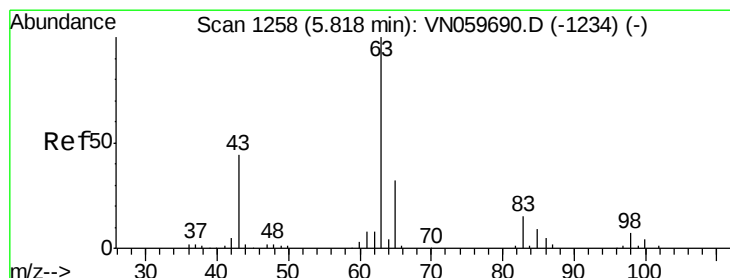
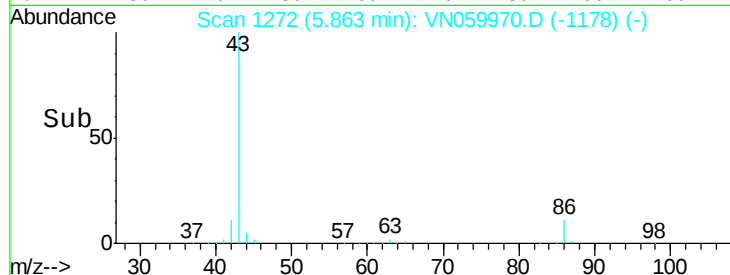
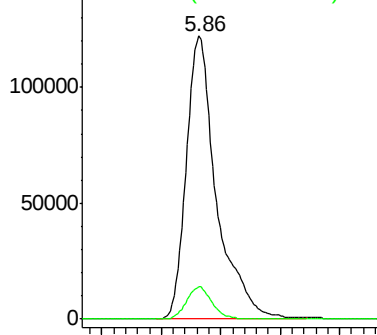
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.982 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

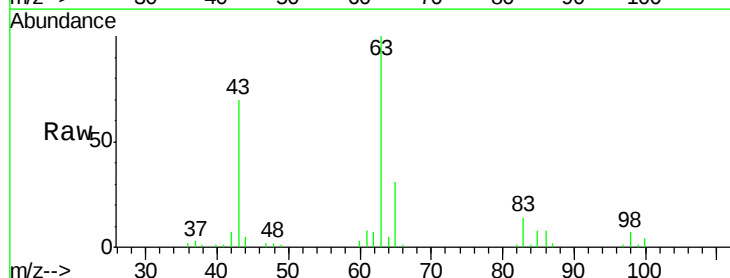
Tgt Ion: 63 Resp: 68619

Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.7

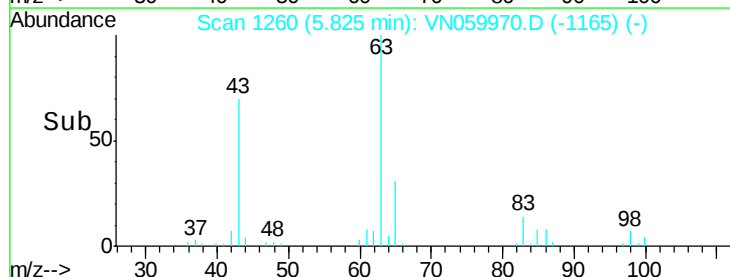
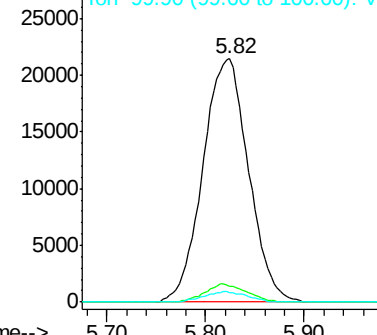
100 4.1 2.0 6.0

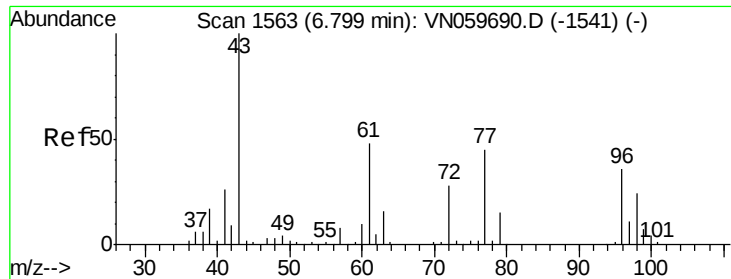


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 104.367 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBSD01

Tot Ion: 43 Resp: 125704

Ion Ratio Lower Upper

43 100

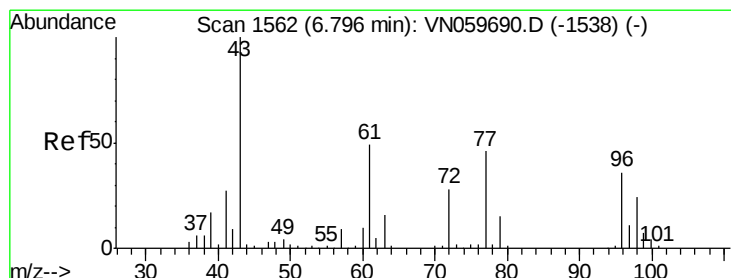
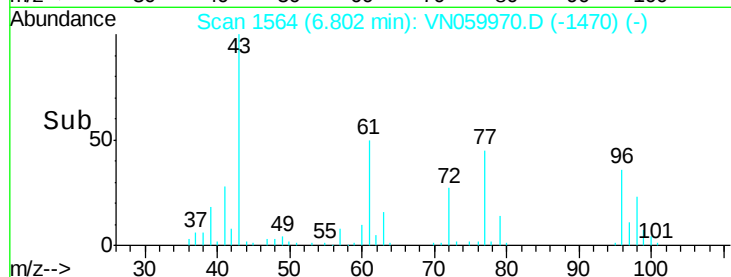
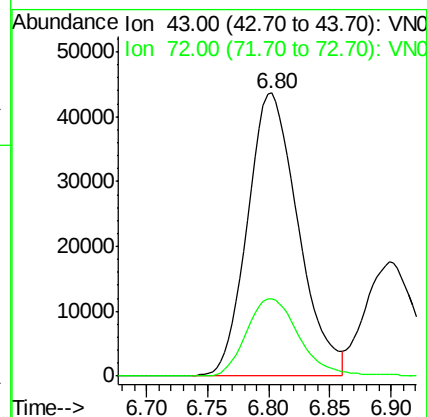
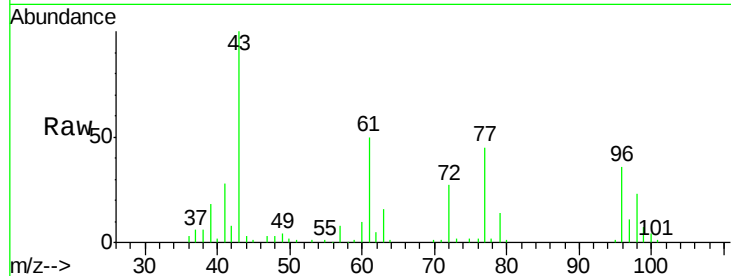
72 27.5 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 20.406 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059970.D

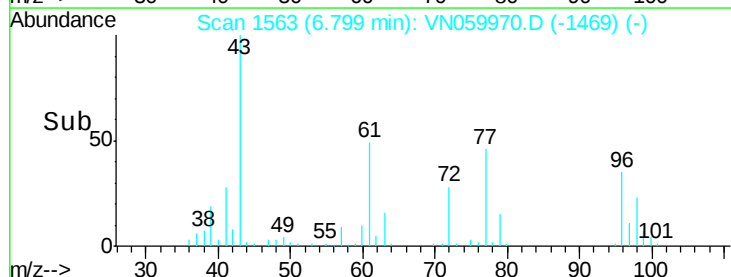
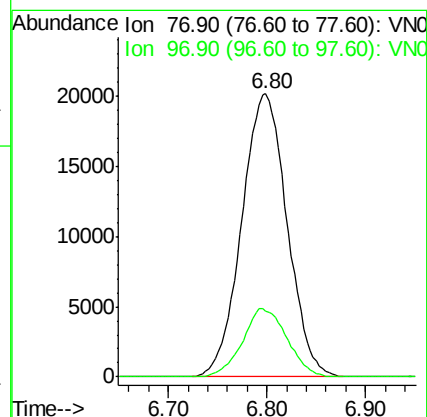
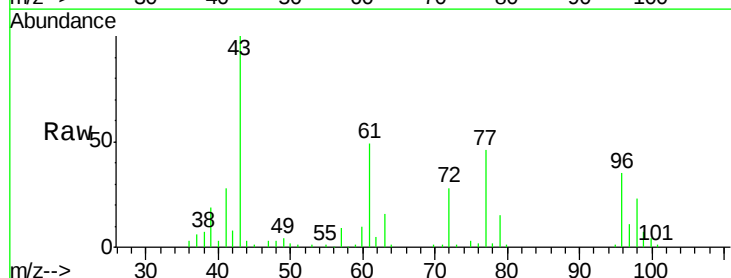
Acq: 3 Feb 2020 13:31

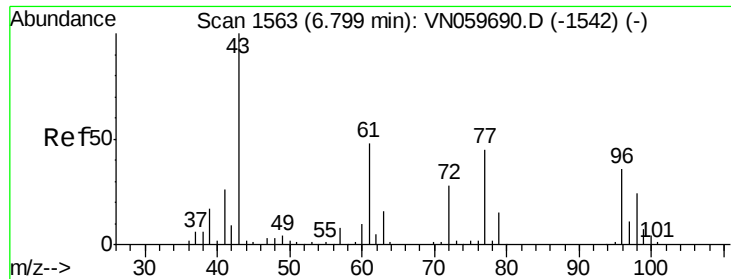
Tgt Ion: 77 Resp: 64158

Ion Ratio Lower Upper

77 100

97 23.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.660 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

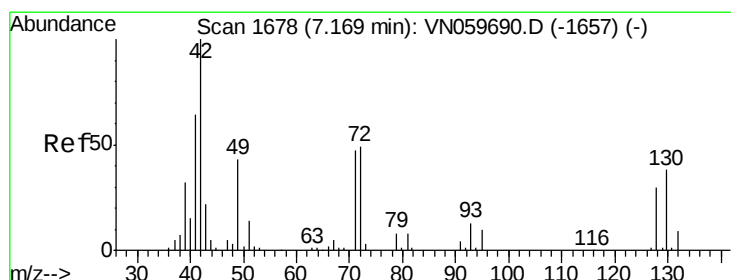
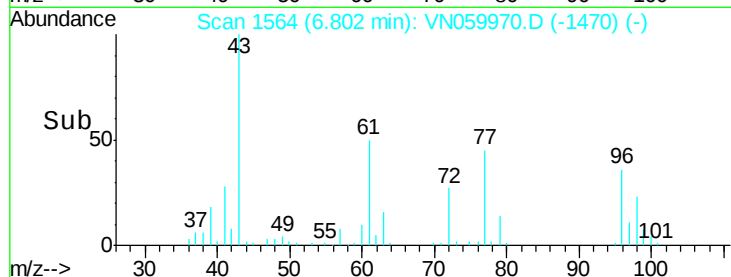
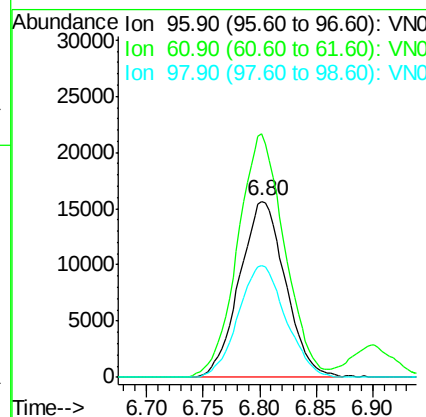
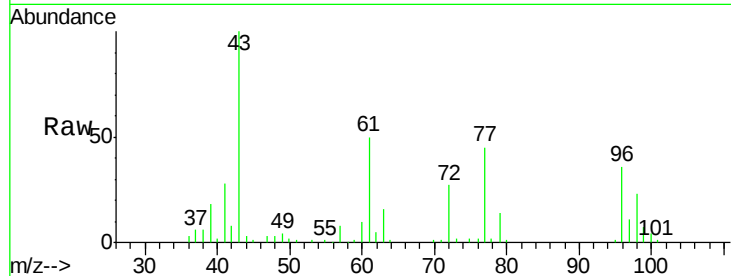
ClientSampleId :

VN0203WBSD01

Tot Ion:	96	Resp:	44260
Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	317.6
98	65.3	0.0	127.0

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#28

Bromochloromethane

Concen: 21.347 ug/l

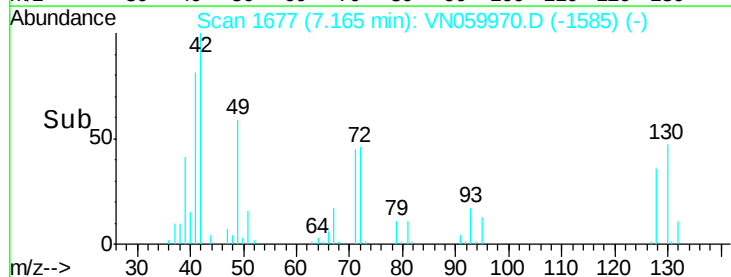
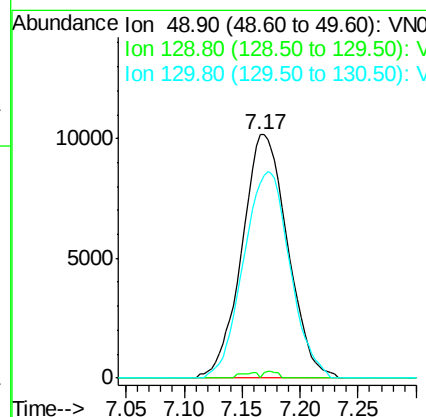
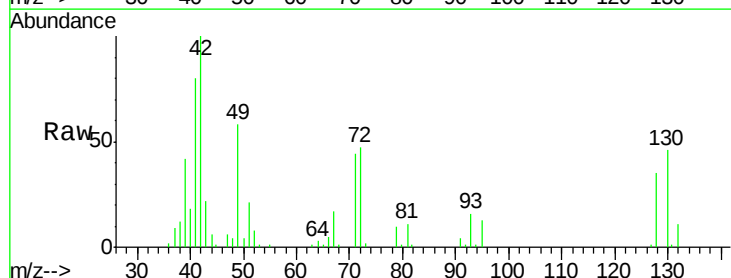
RT: 7.17 min Scan# 1677

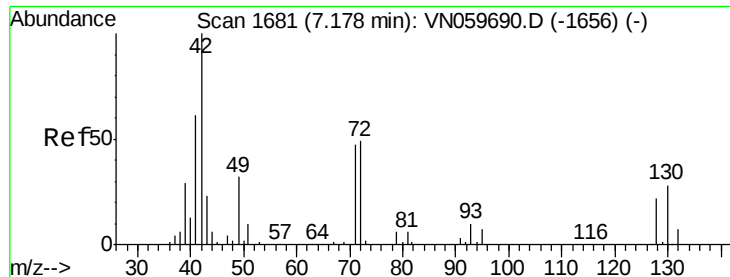
Delta R.T. -0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Tgt Ion:	49	Resp:	27903
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.4
130	0.0	54.7	82.1#





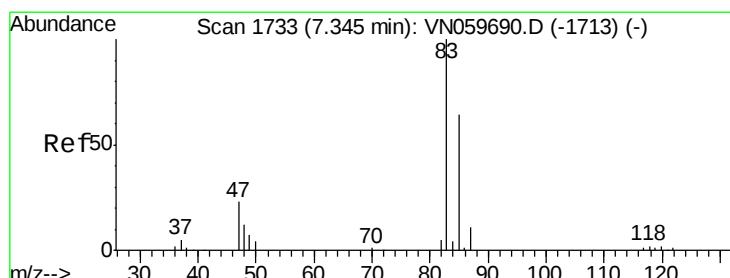
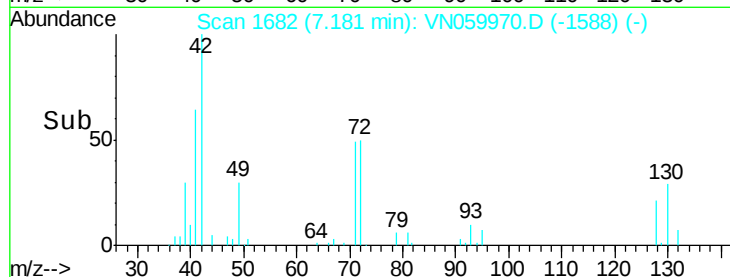
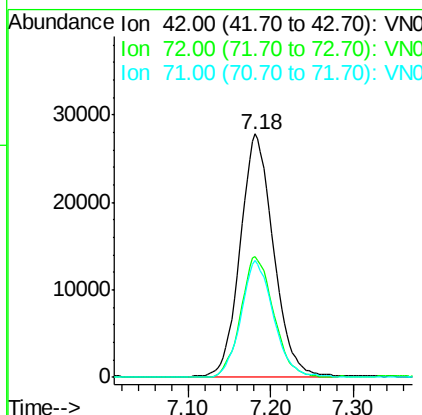
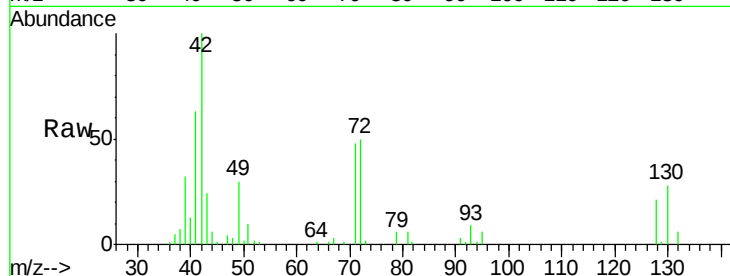
#29
Tetrahydrofuran
Concen: 105.009 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampled :
VN0203WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.4	33.1	49.7
71	46.3	31.4	47.0

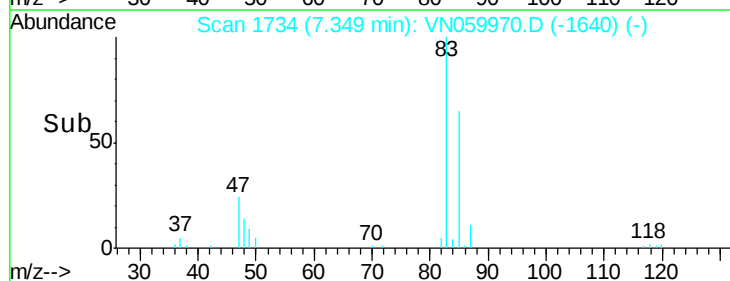
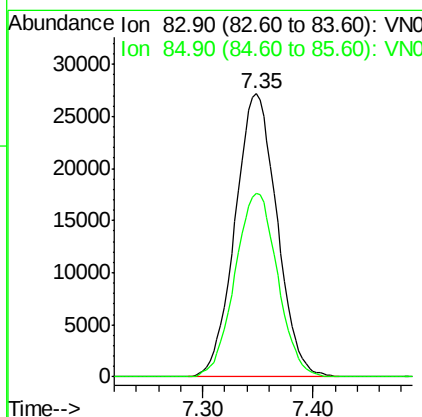
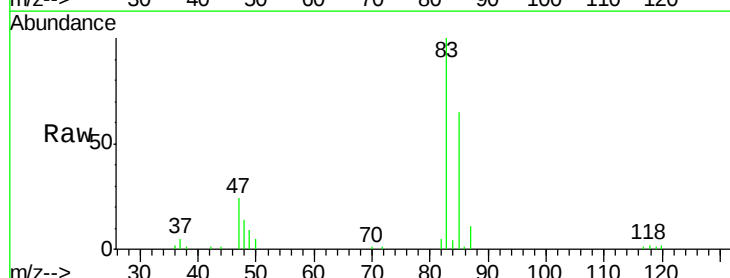
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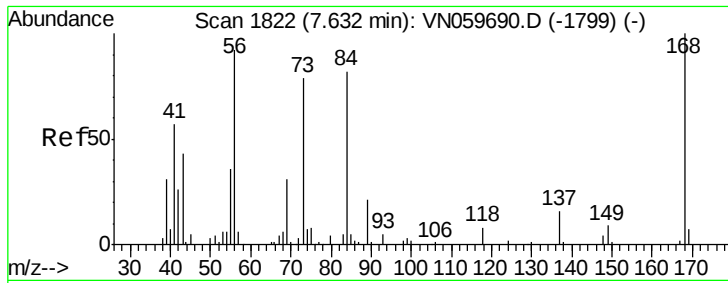
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#30
Chloroform
Concen: 21.104 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.4	78.6





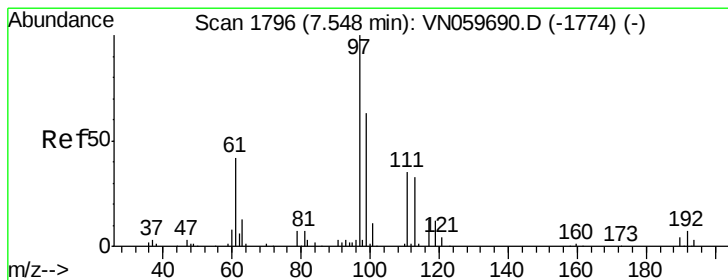
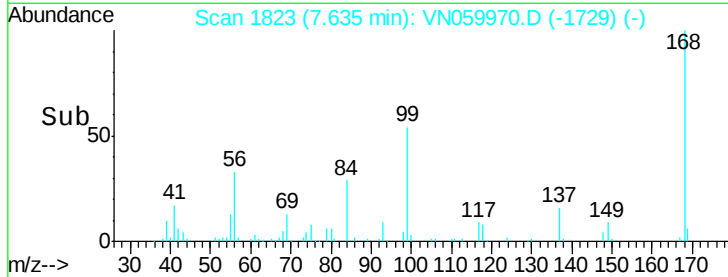
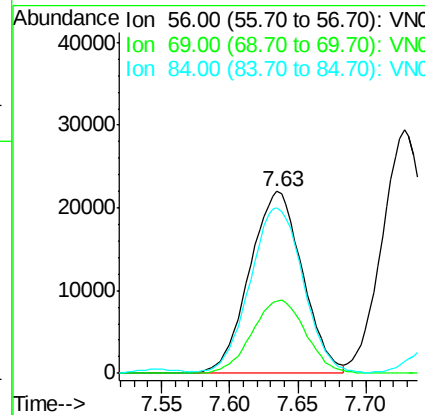
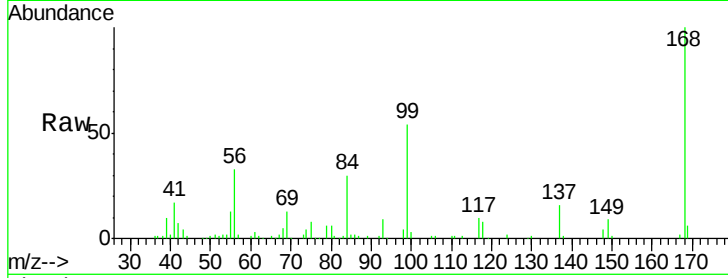
#31
Cyclohexane
Concen: 18.804 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampled :
VN0203WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.0	26.5	39.7#
84	90.5	65.3	97.9

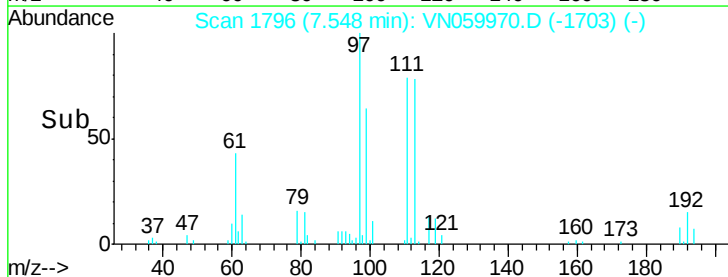
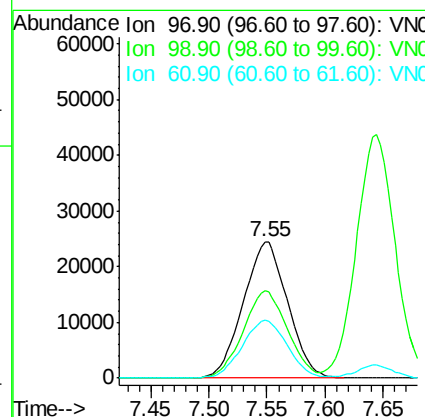
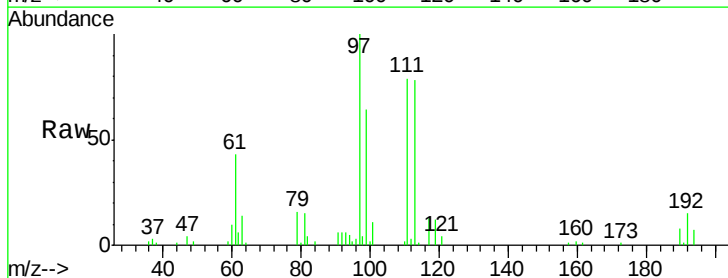
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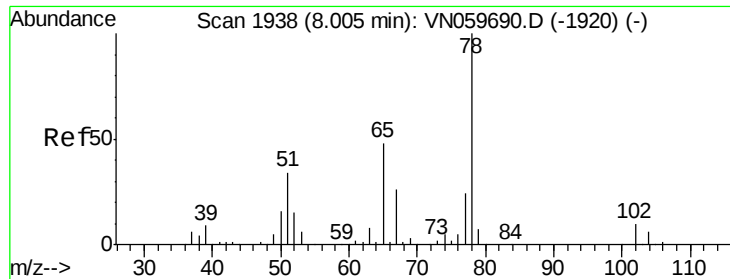
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#32
1,1,1-Trichloroethane
Concen: 20.773 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	43.1	38.5	57.7





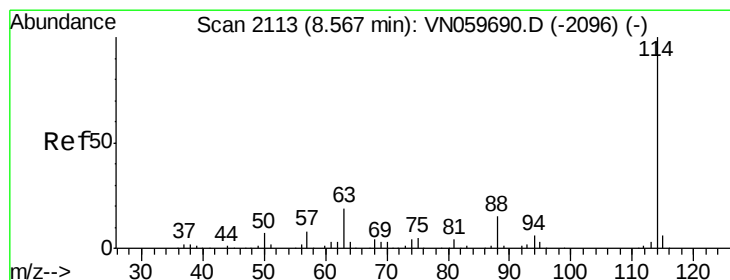
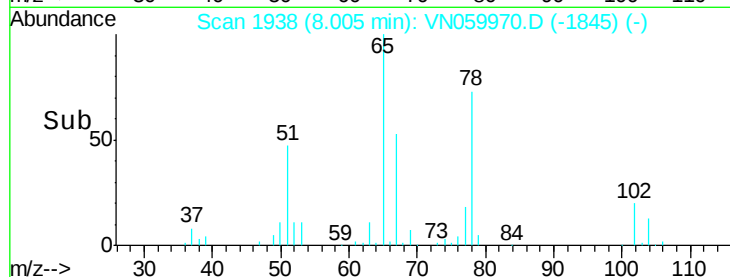
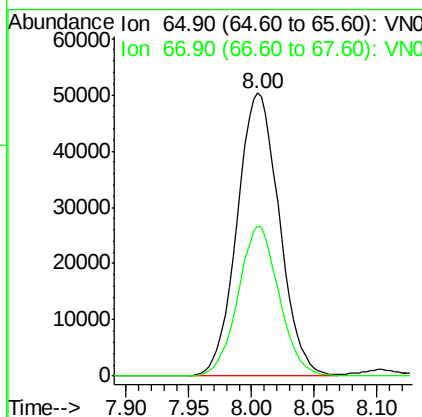
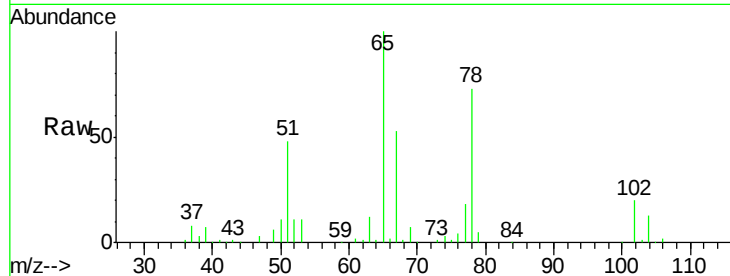
#33
 1,2-Dichloroethane-d4
 Concen: 55.458 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.5	0.0	103.0	

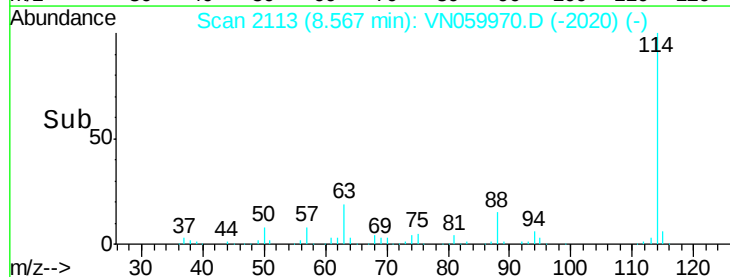
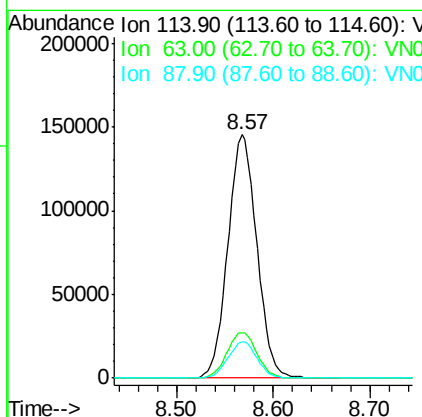
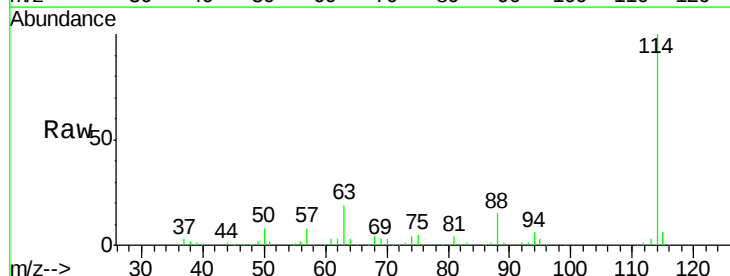
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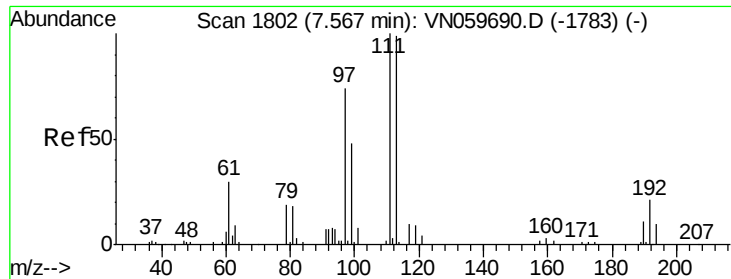
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.8	0.0	43.6	
88	15.1	0.0	31.4	





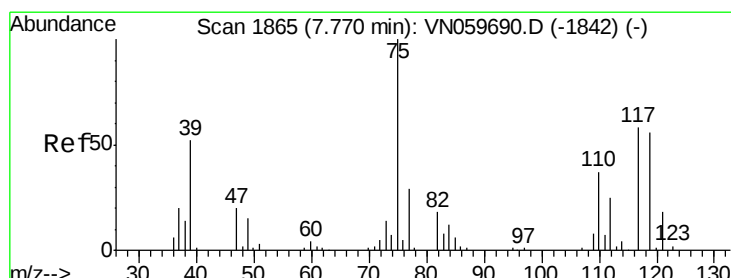
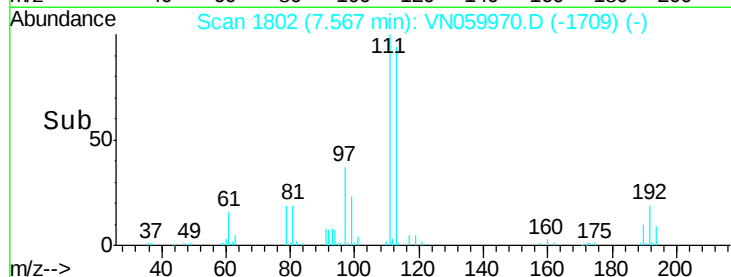
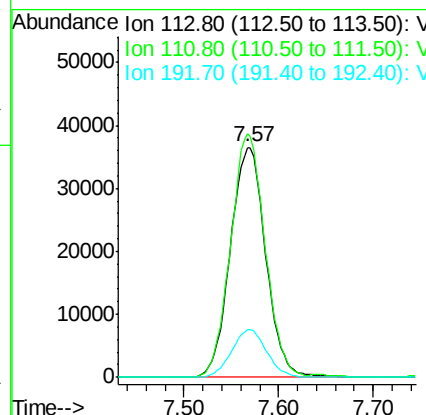
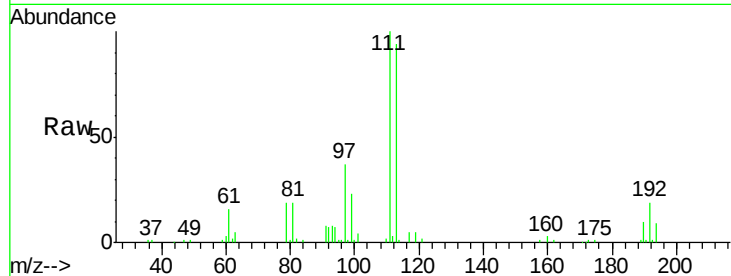
#35
 Dibromofluoromethane
 Concen: 52.740 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	94907		
111	102.9		83.5	125.3
192	20.4		15.4	23.2

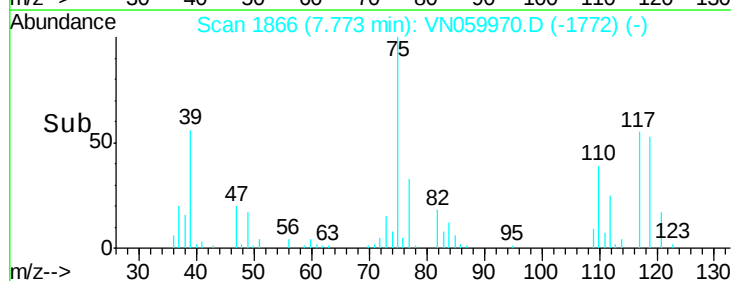
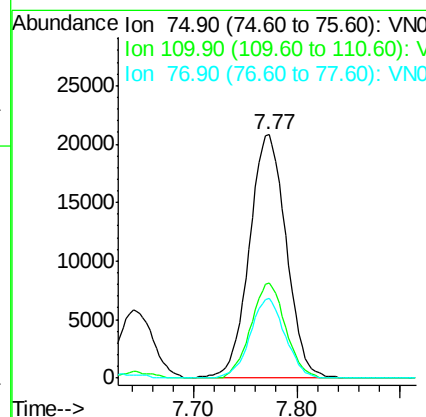
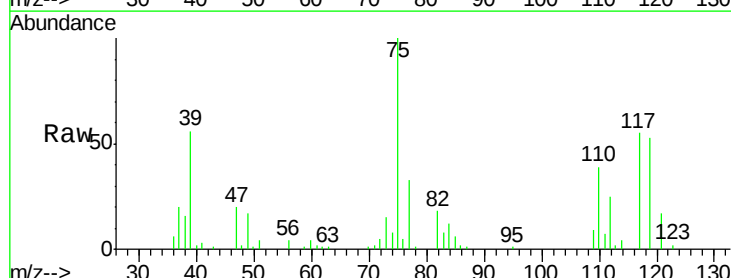
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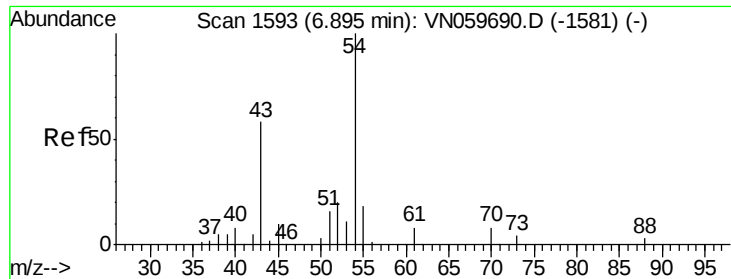
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#36
 1,1-Dichloropropene
 Concen: 19.642 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	51616		
110	36.7		16.6	49.7
77	30.9		25.1	37.7





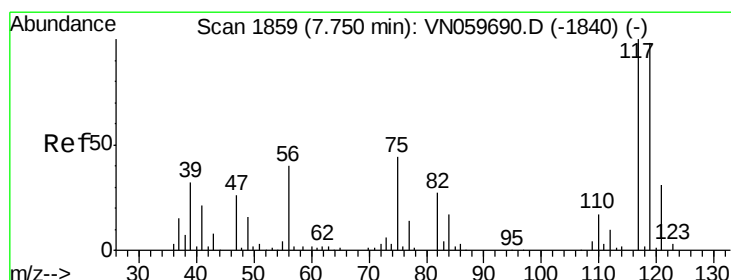
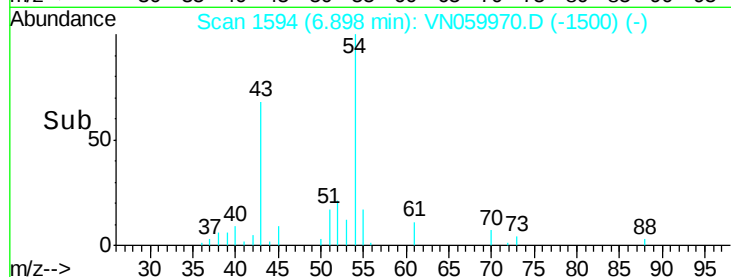
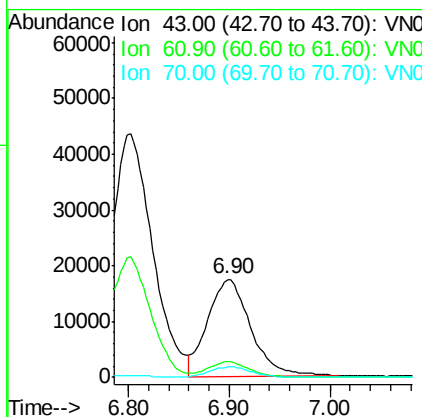
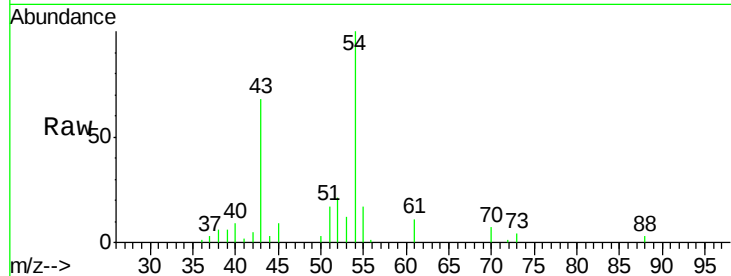
#37
Ethyl Acetate
Concen: 20.858 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampled :
VN0203WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	10.9	16.3
70	10.4	7.7	11.5

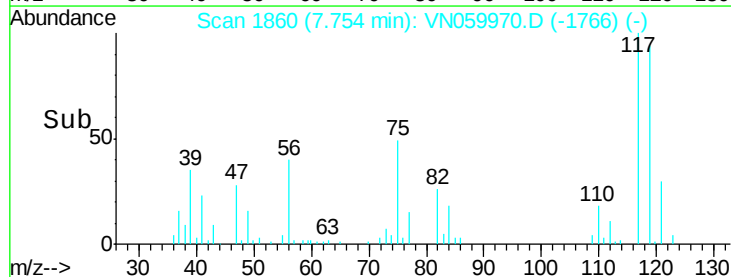
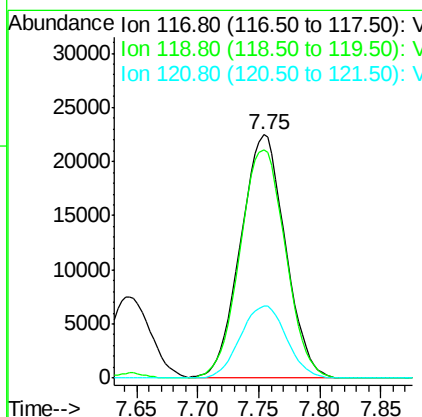
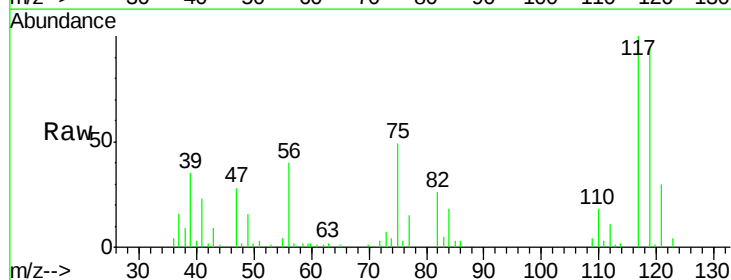
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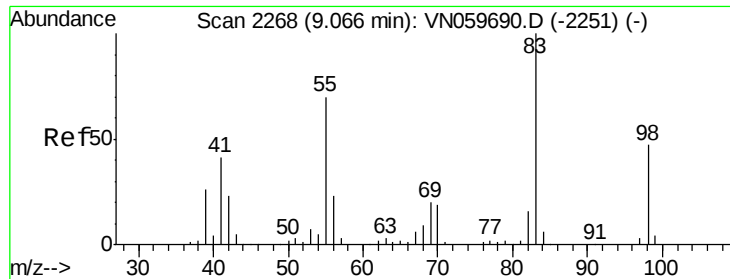
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#38
Carbon Tetrachloride
Concen: 19.975 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.5	114.7
121	29.7	25.1	37.7





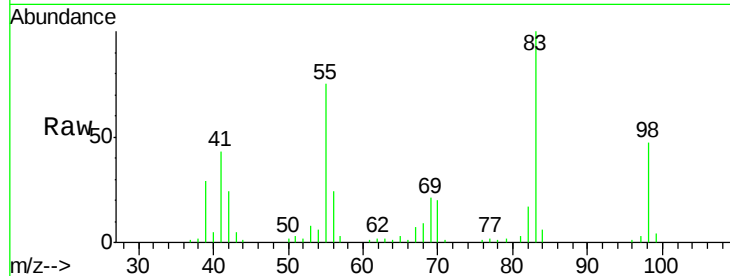
#39
Methvlcvclohexane
Concen: 17.995 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampled :
VN0203WBSD01

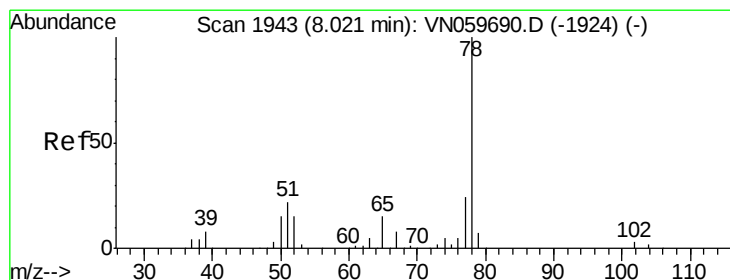
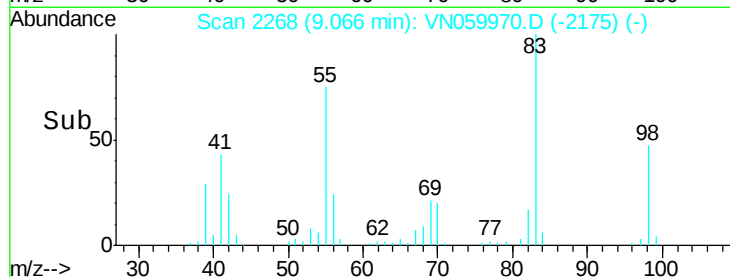
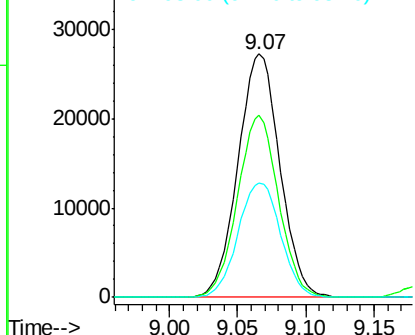
Tot Ion	83	Resp	58307
Ion Ratio	100	Lower	Upper
83	100		
55	74.7	64.2	96.2
98	47.1	35.9	53.9

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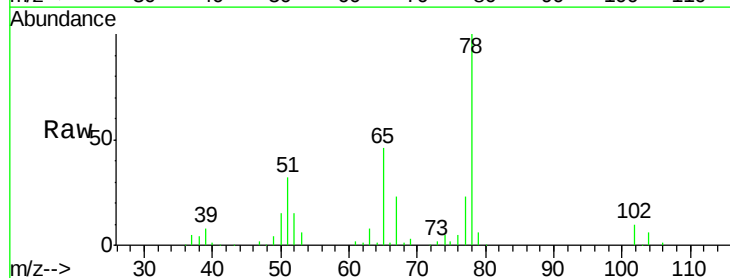


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

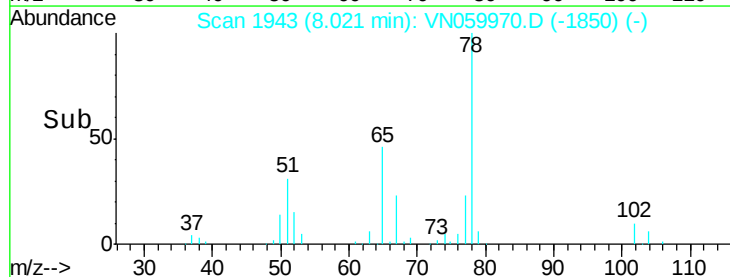
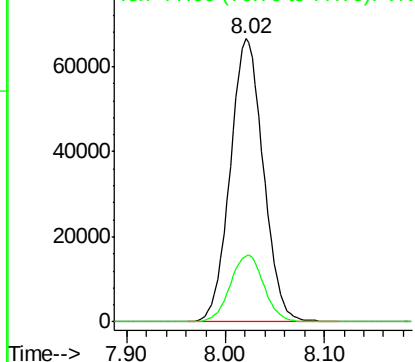


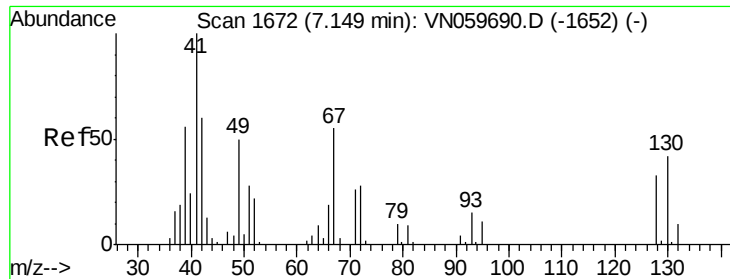
#40
Benzene
Concen: 19.868 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion	78	Resp	155705
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	18.9	28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





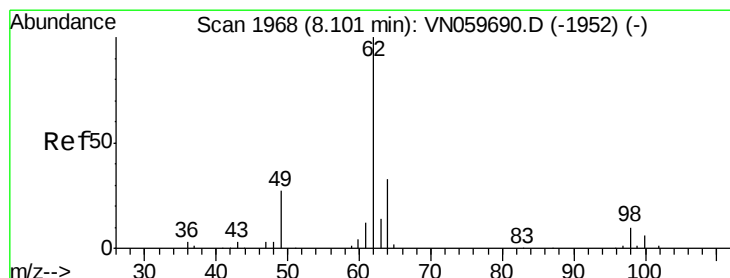
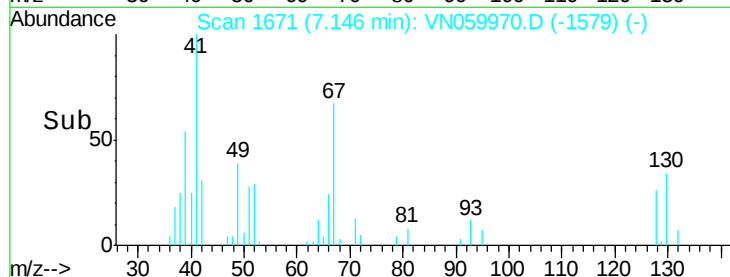
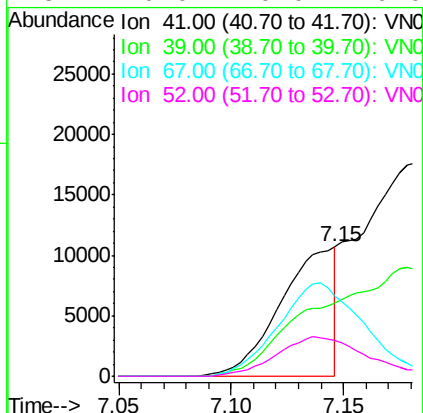
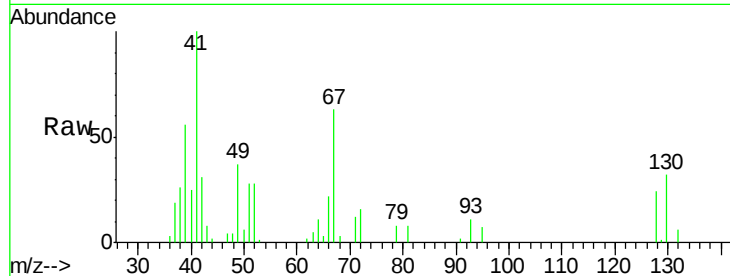
#41
Methacrylonitrile
Concen: 14.964 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

Tot Ion	41	Resp	18166
Ion Ratio	Lower	Upper	
41	100		
39	218.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

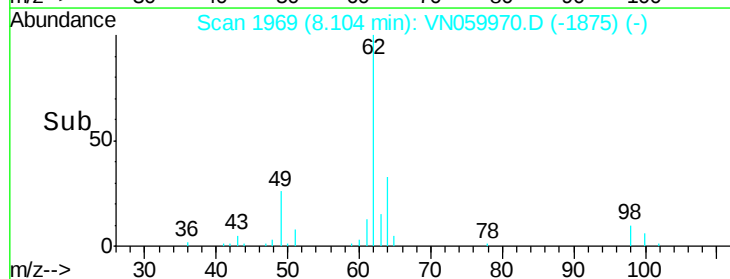
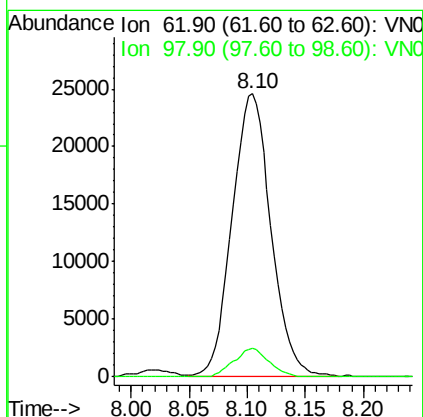
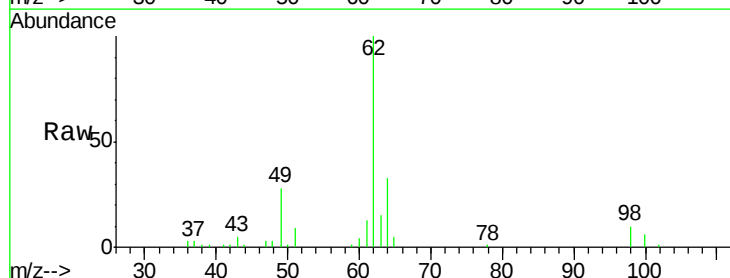
Manual Integrations
APPROVED

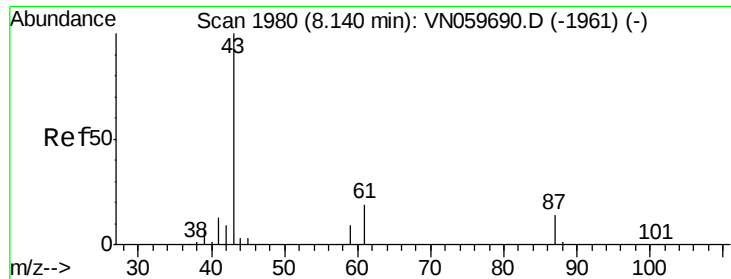
MMDadoda
2/4/2020 11:20:36 AM



#42
1,2-Dichloroethane
Concen: 21.560 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion	62	Resp	57289
Ion Ratio	Lower	Upper	
62	100		
98	9.1	0.0	15.8





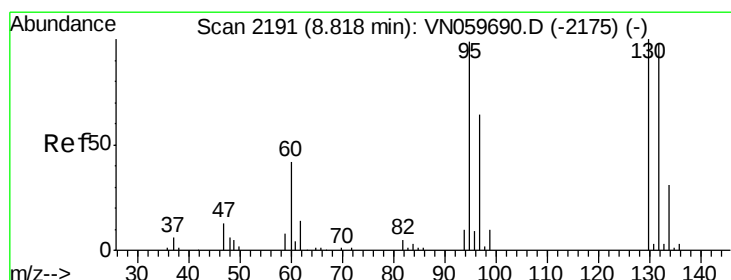
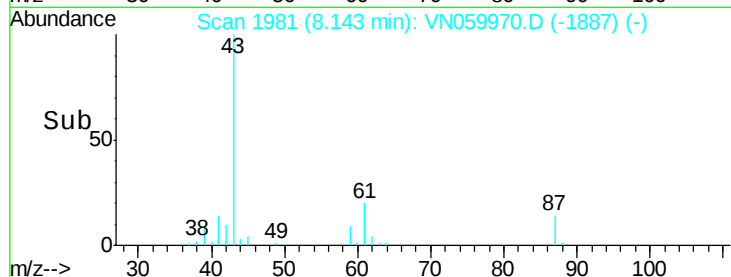
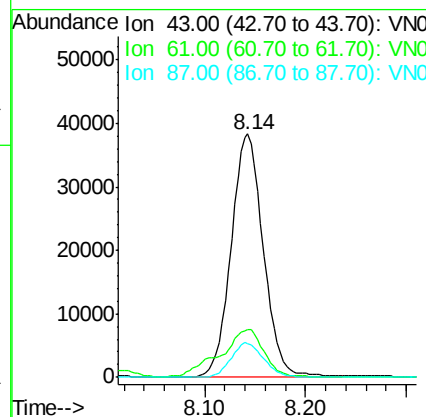
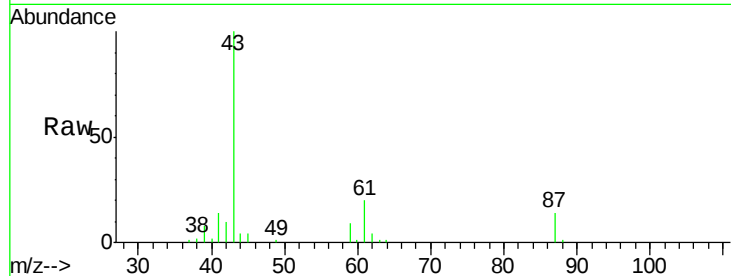
#43
Isopropyl Acetate
Concen: 20.089 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	20.2	30.2
87	14.2	9.5	14.3

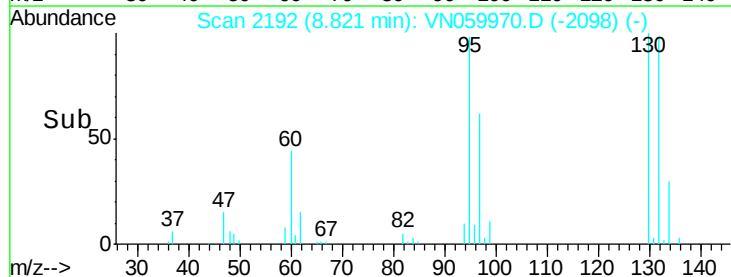
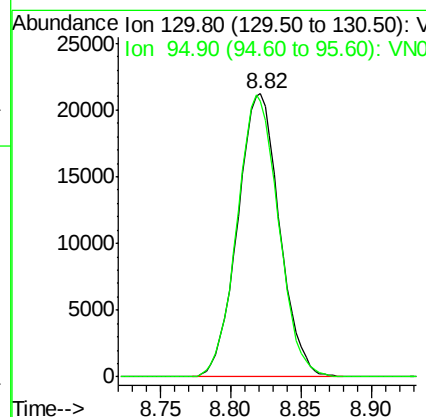
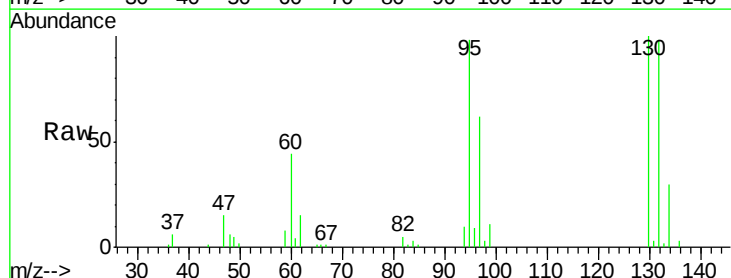
Manual Integrations
APPROVED

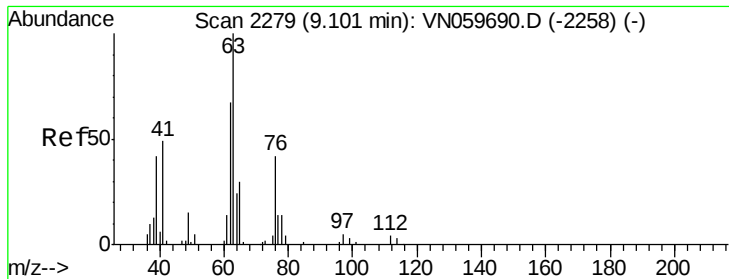
MMDadoda
2/4/2020 11:20:36 AM



#44
Trichloroethene
Concen: 20.621 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	207.0





#45

1,2-Dichloropropane

Concen: 20.879 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0203WBSD01

Tot Ion: 63 Resp: 40491

Ion Ratio Lower Upper

63 100

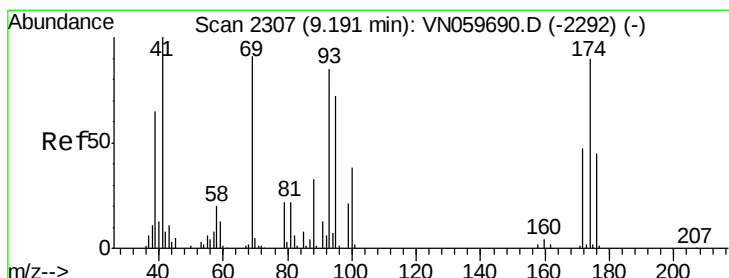
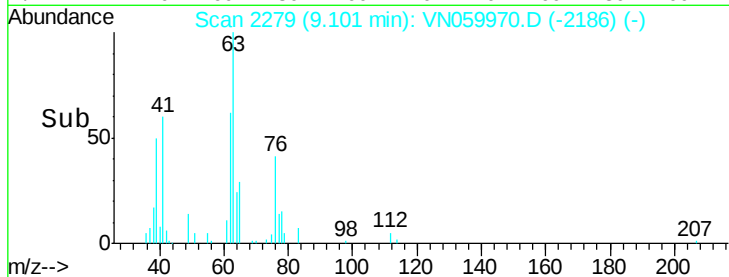
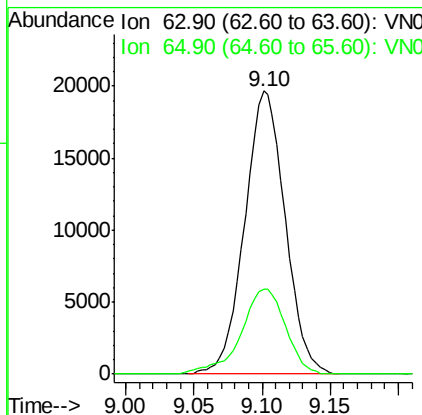
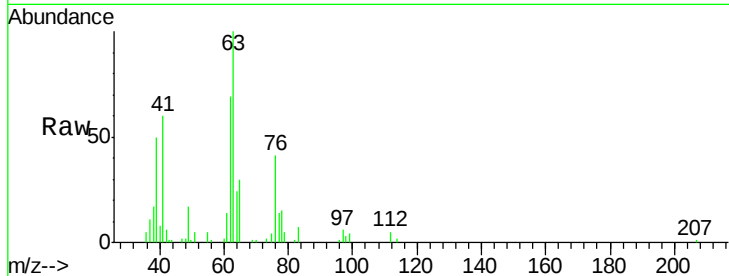
65 30.1 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

2/4/2020 11:20:36 AM



#46

Dibromomethane

Concen: 20.837 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

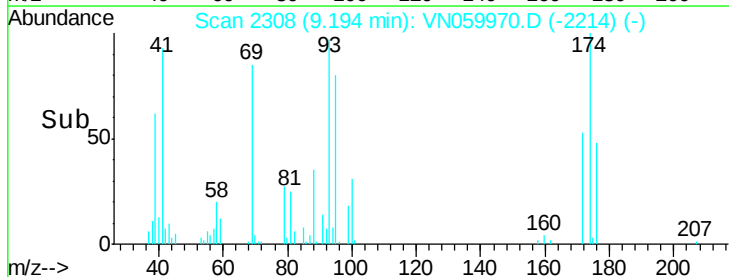
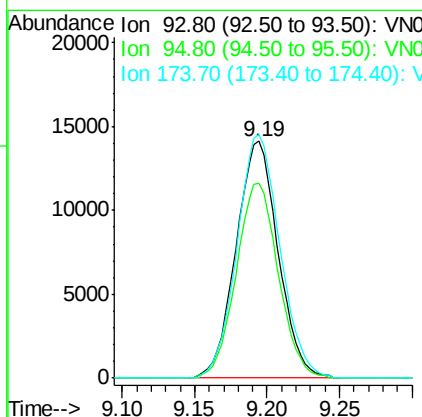
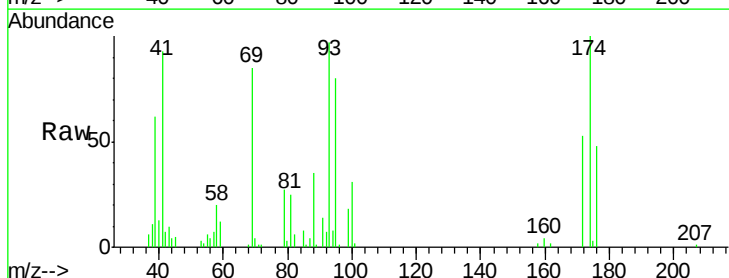
Tgt Ion: 93 Resp: 28505

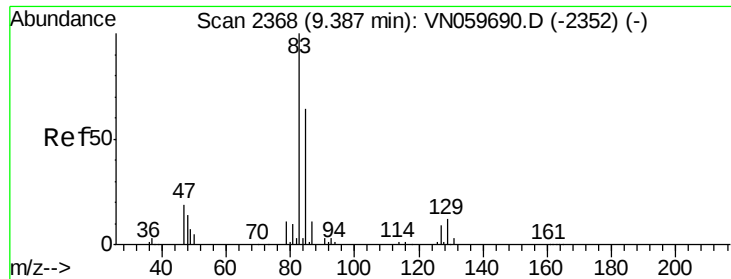
Ion Ratio Lower Upper

93 100

95 82.2 67.0 100.6

174 104.6 73.4 110.2





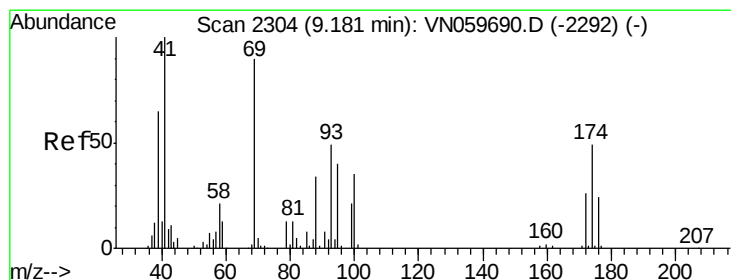
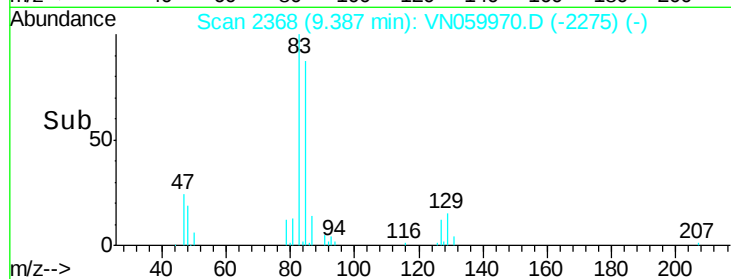
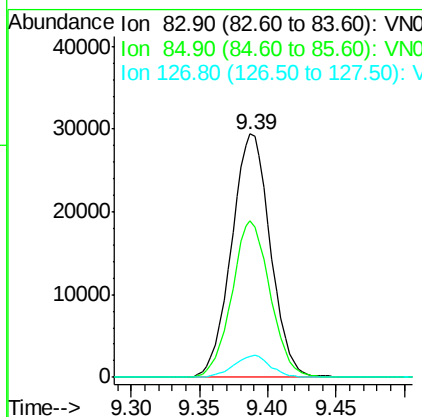
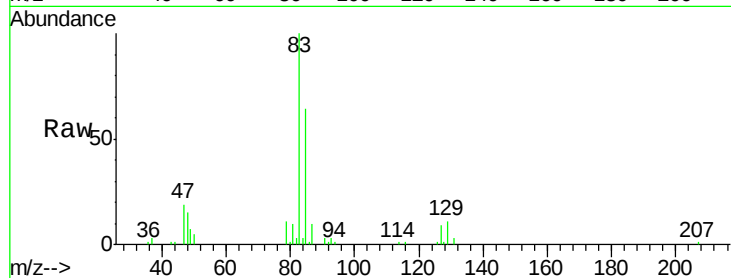
#47
Bromodichloromethane
Concen: 21.076 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

Tot Ion	83	Resp	58101
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	51.1	76.7
127	8.5	6.6	9.8

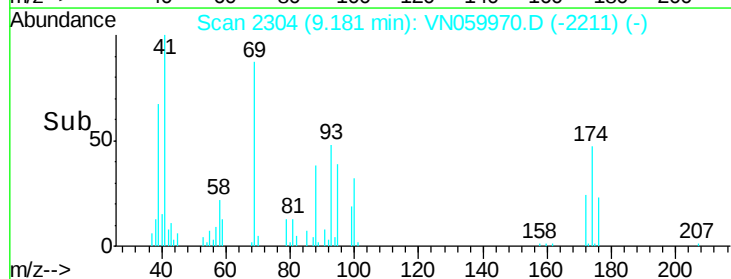
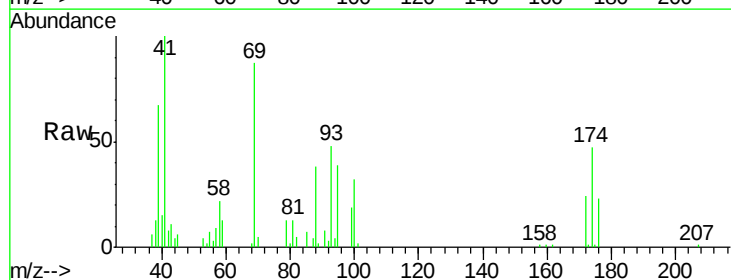
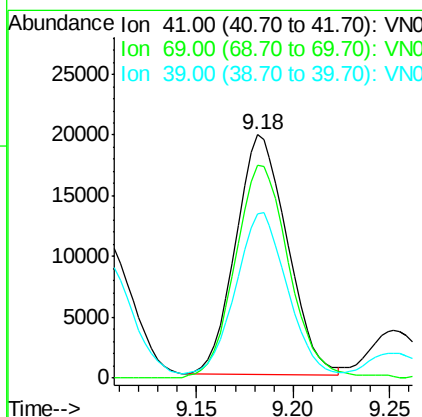
Manual Integrations
APPROVED

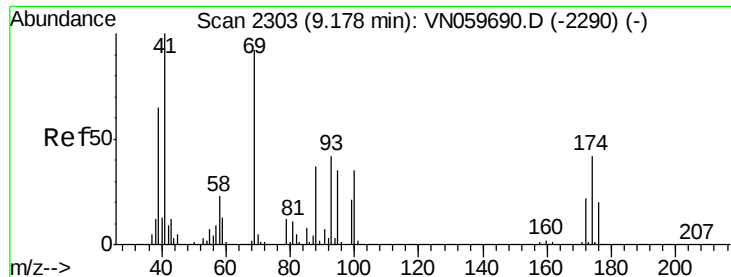
MMDadoda
2/4/2020 11:20:36 AM



#48
Methyl methacrylate
Concen: 19.267 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion	41	Resp	36536
Ion Ratio	100	Lower	Upper
41	100		
69	93.1	64.4	96.6
39	67.0	51.3	76.9





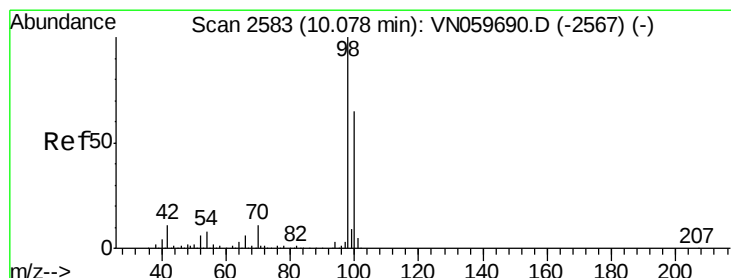
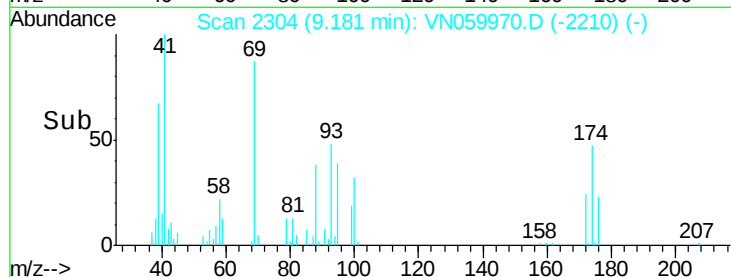
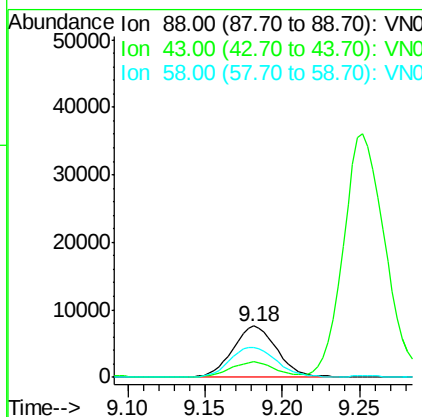
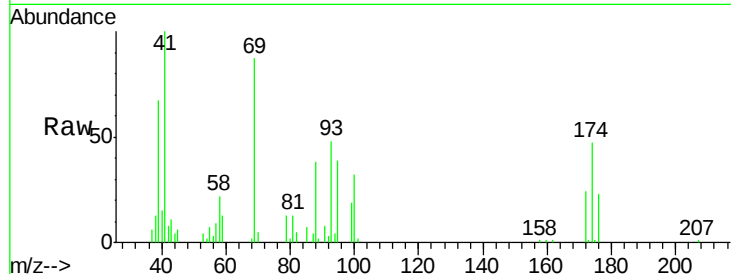
#49
1,4-Dioxane
Concen: 430.149 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	29.7	44.5
58	62.6	56.6	85.0

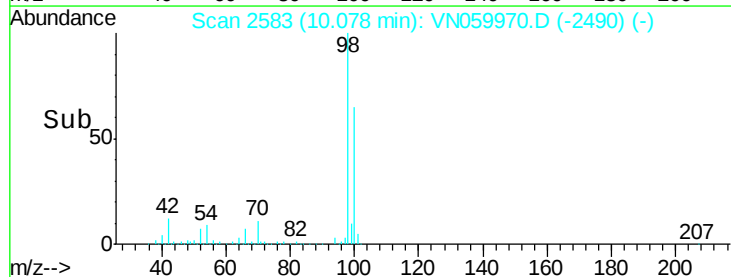
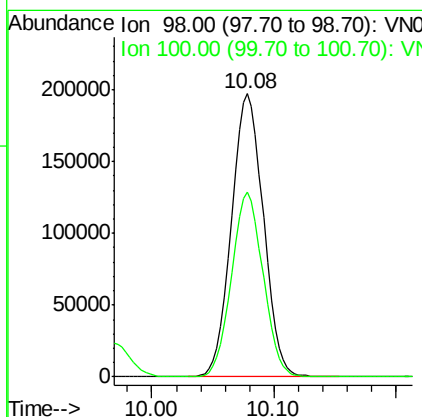
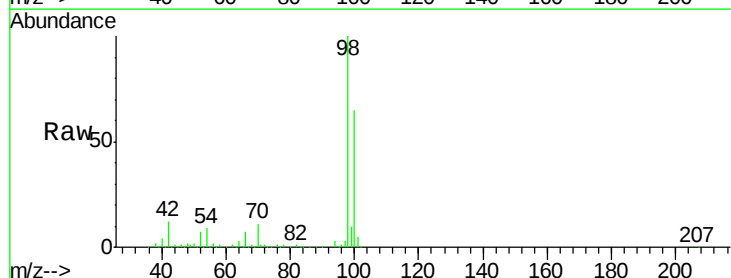
Manual Integrations
APPROVED

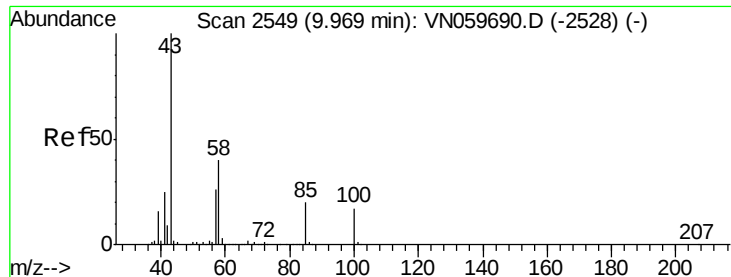
MMDadoda
2/4/2020 11:20:36 AM



#50
Toluene-d8
Concen: 51.385 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 104.332 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBSD01

Tot Ion: 43 Resp: 255679

Ion Ratio Lower Upper

43 100

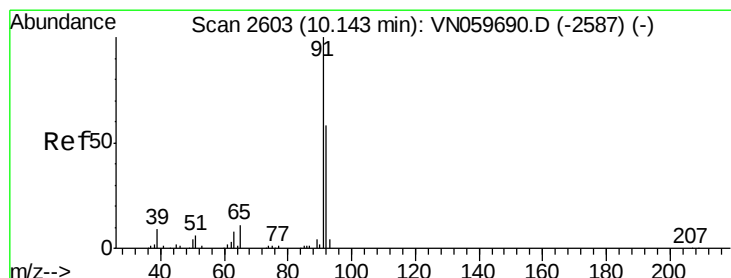
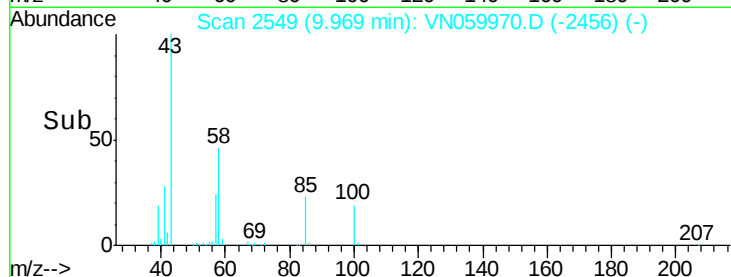
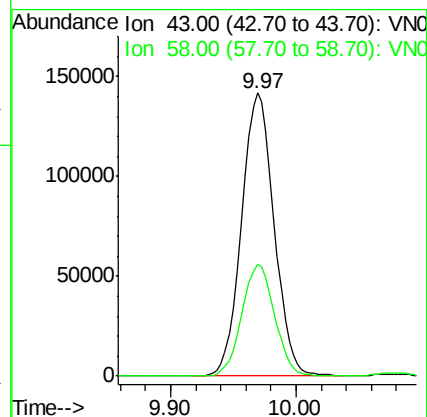
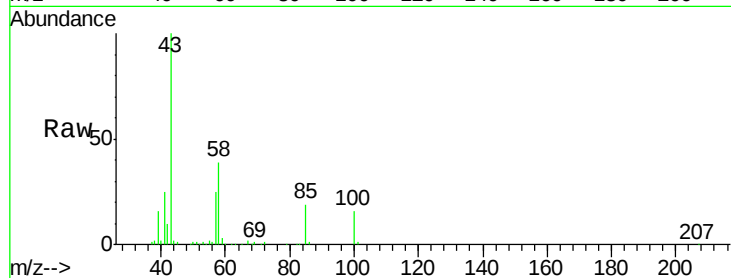
58 39.8 29.8 44.8

Manual Integrations

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MMDadoda

2/4/2020 11:20:36 AM



#52

Toluene

Concen: 19.921 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059970.D

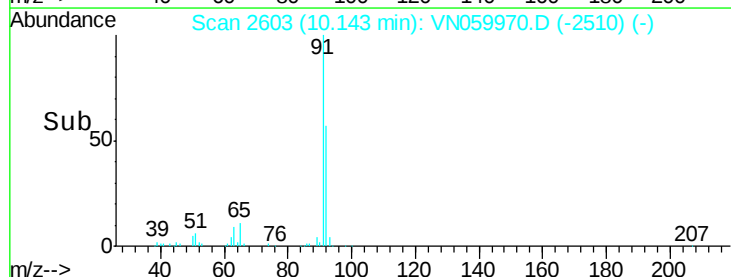
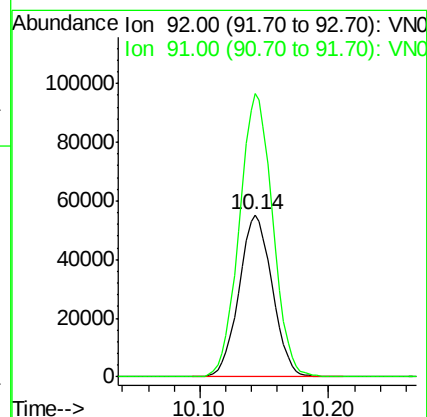
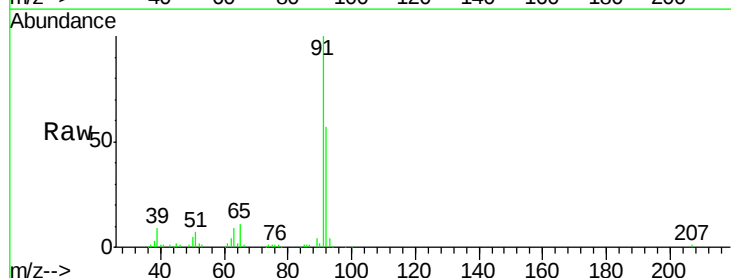
Acq: 3 Feb 2020 13:31

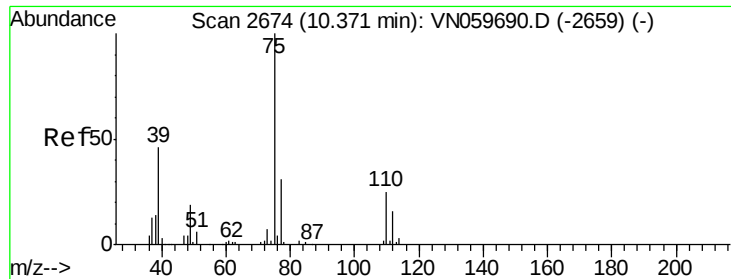
Tgt Ion: 92 Resp: 98615

Ion Ratio Lower Upper

92 100

91 175.5 140.4 210.6





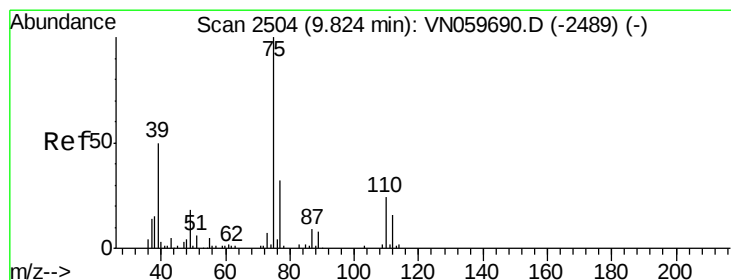
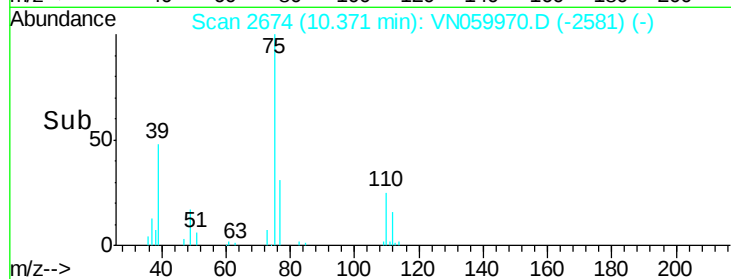
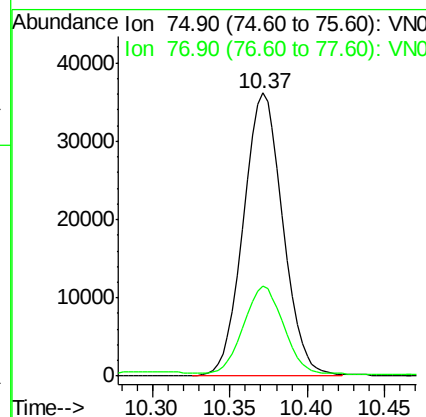
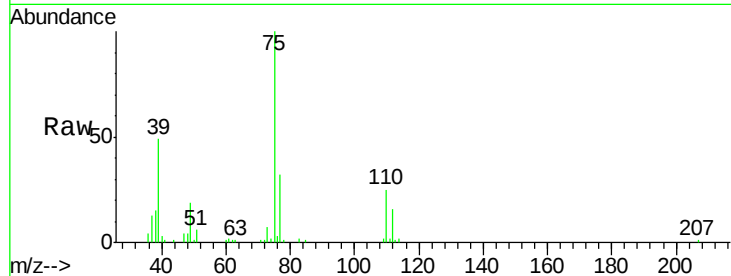
#53
t-1,3-Dichloropropene
Concen: 20.940 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampled :
VN0203WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.2

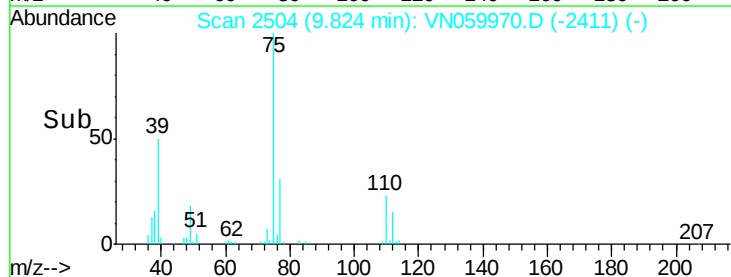
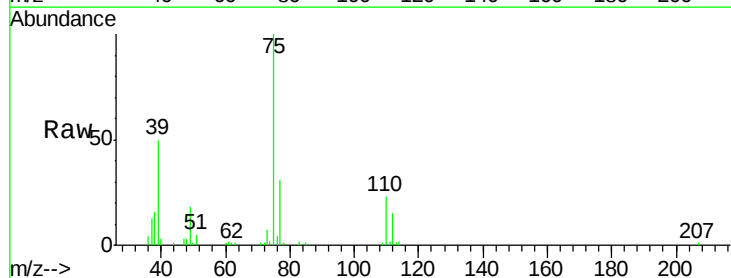
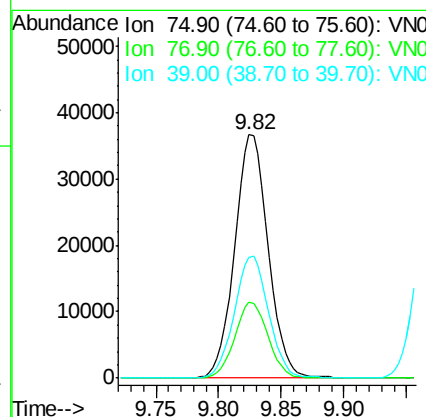
Manual Integrations
APPROVED

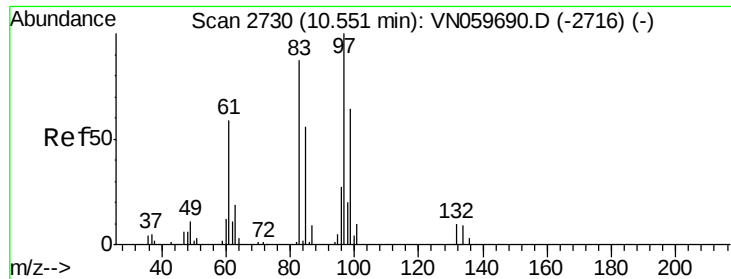
MMDadoda
2/4/2020 11:20:36 AM



#54
cis-1,3-Dichloropropene
Concen: 21.027 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.1	37.7
39	49.8	46.1	69.1





#55

1,1,2-Trichloroethane

Concen: 21.324 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0203WBSD01

Tot Ion: 97 Resp: 41808

Ion Ratio Lower Upper

97 100

83 85.3 71.3 106.9

85 54.4 45.8 68.8

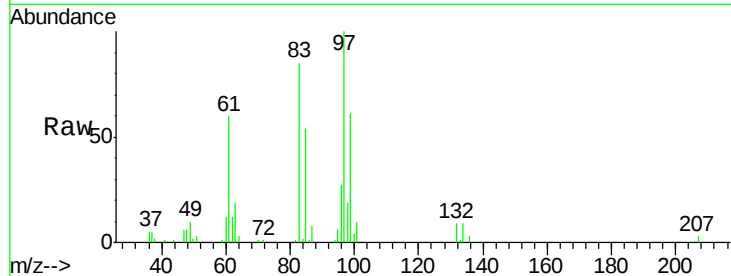
99 60.7 50.0 75.0

Manual Integrations

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MMDadoda

2/4/2020 11:20:36 AM

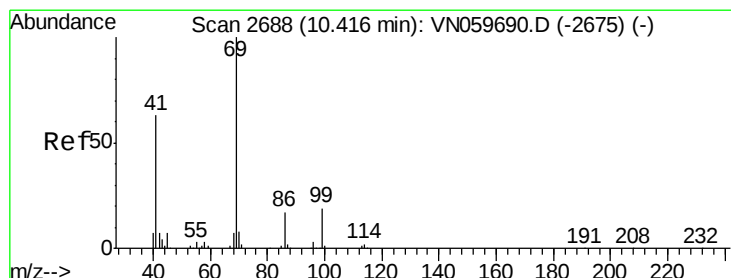
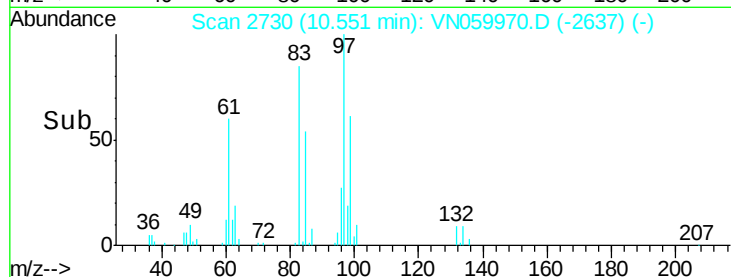
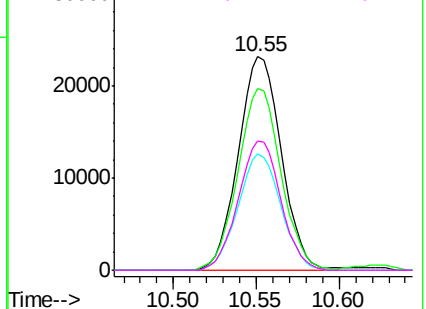


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.401 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

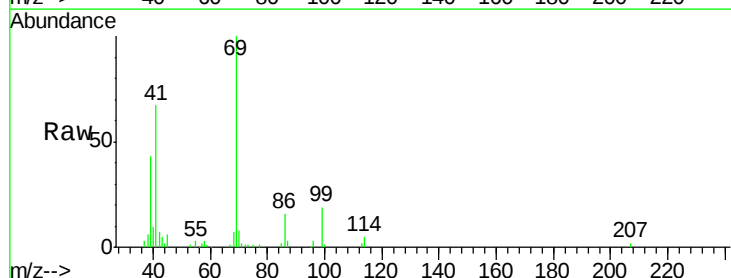
Tgt Ion: 69 Resp: 58122

Ion Ratio Lower Upper

69 100

41 64.9 57.1 85.7

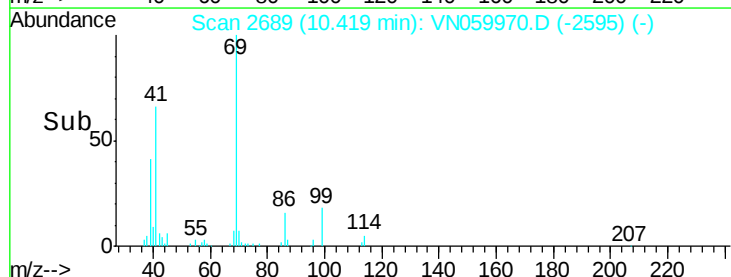
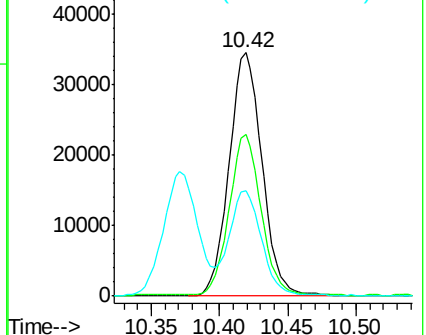
39 42.8 34.7 52.1

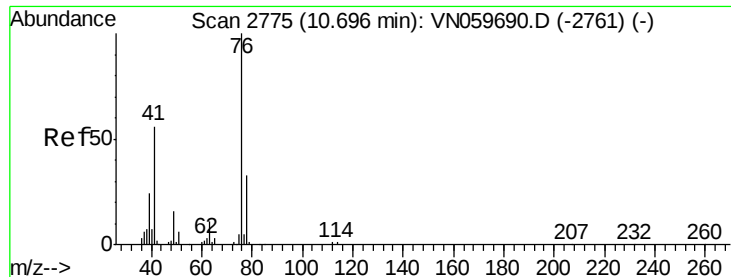


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





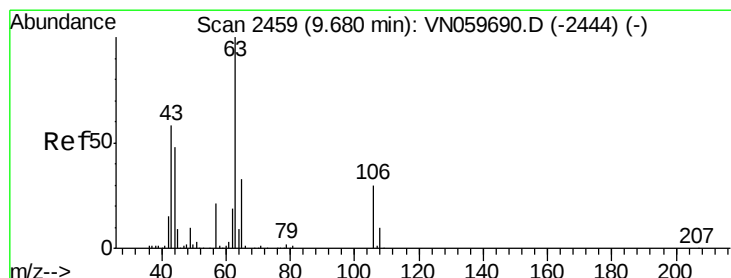
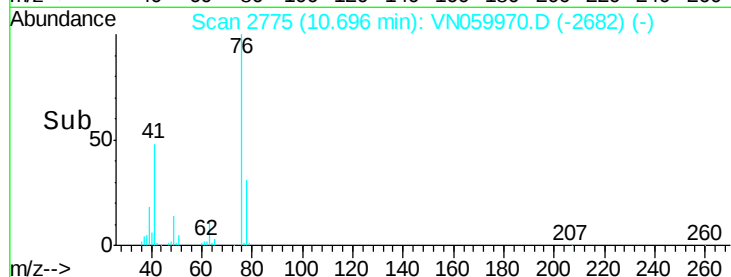
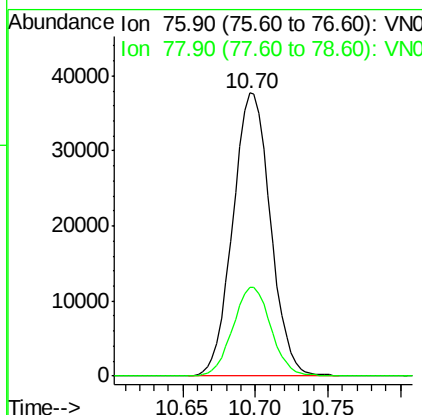
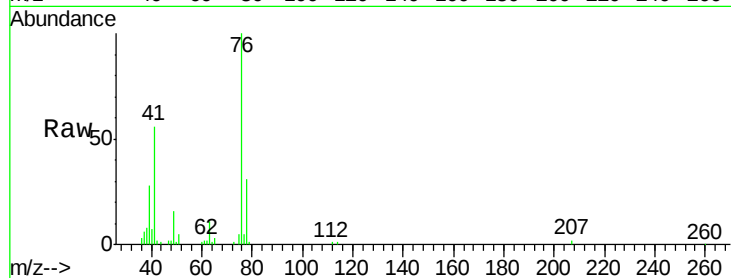
#57
 1,3-Dichloropropane
 Concen: 21.869 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0203WBSD01

Tot Ion: 76 Resp: 68072
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.8

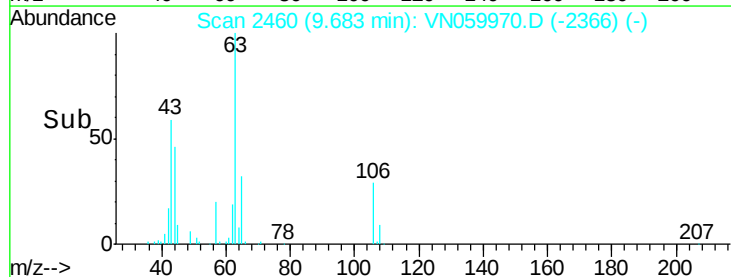
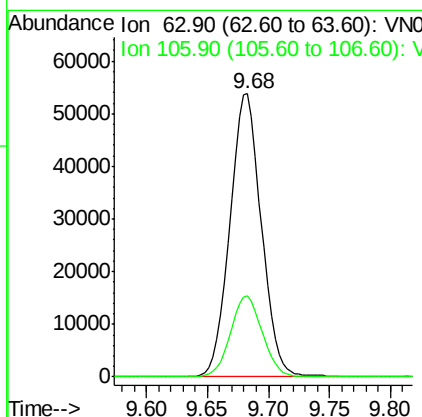
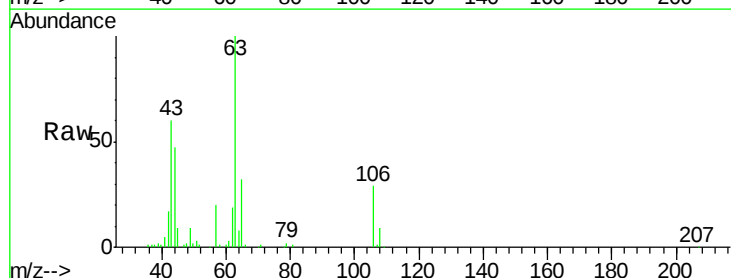
Manual Integrations
 APPROVED

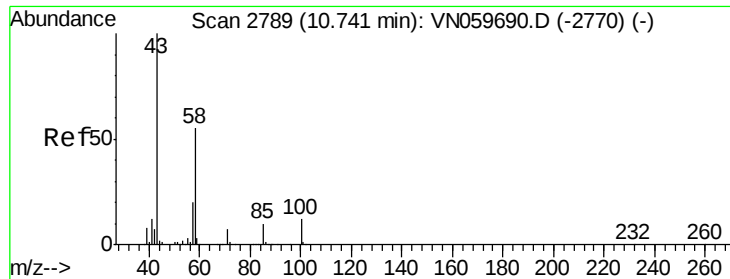
MMDadoda
 2/4/2020 11:20:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.854 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion: 63 Resp: 96420
 Ion Ratio Lower Upper
 63 100
 106 28.7 20.2 30.2





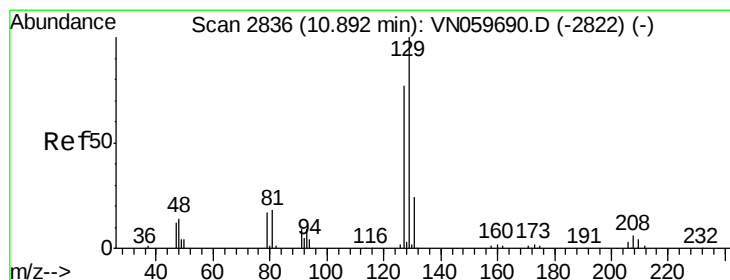
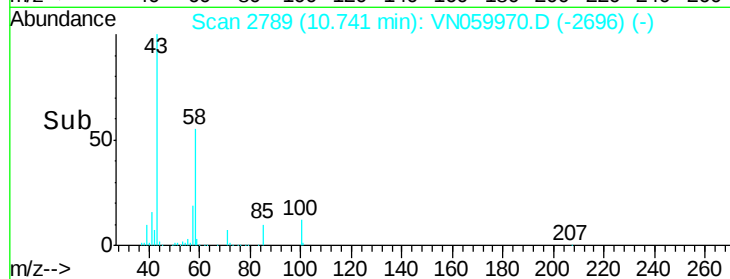
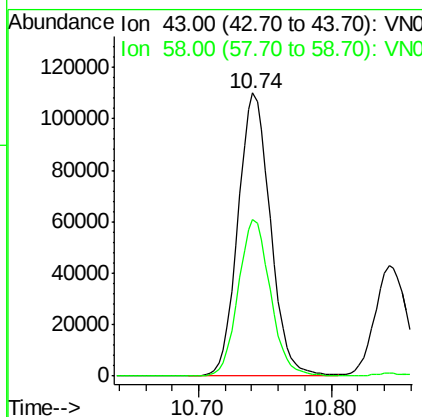
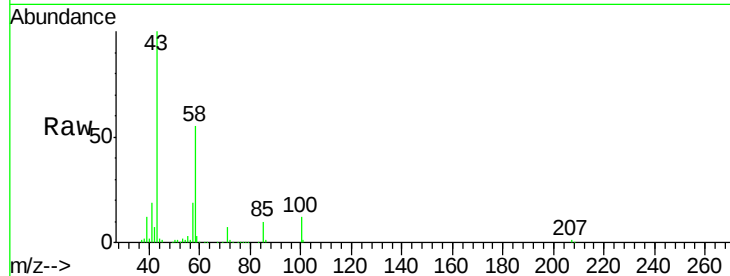
#59
2-Hexanone
Concen: 103.635 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

Tot Ion: 43 Resp: 187103
Ion Ratio Lower Upper
43 100
58 54.8 25.8 77.3

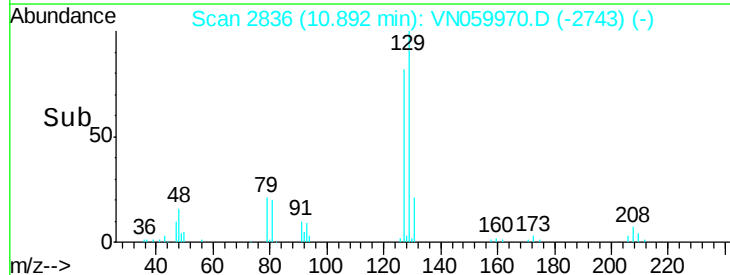
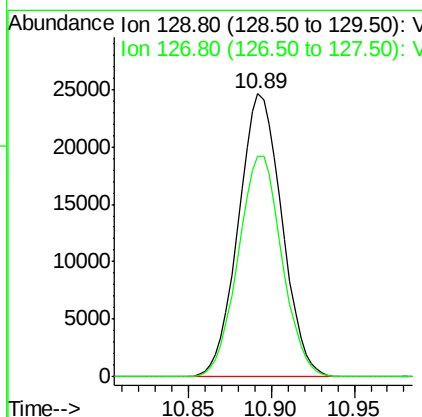
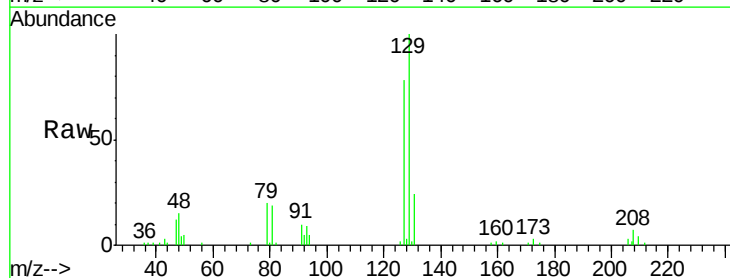
Manual Integrations
APPROVED

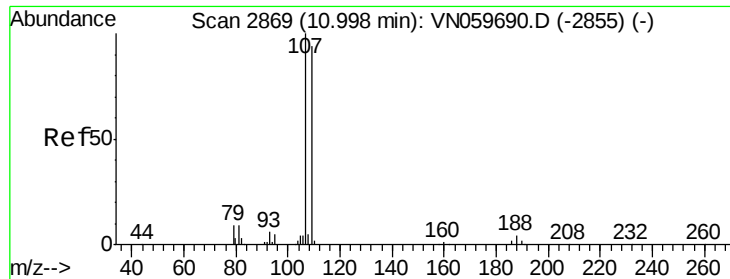
MMDadoda
2/4/2020 11:20:36 AM



#60
Dibromochloromethane
Concen: 20.071 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion: 129 Resp: 44812
Ion Ratio Lower Upper
129 100
127 78.5 38.5 115.5





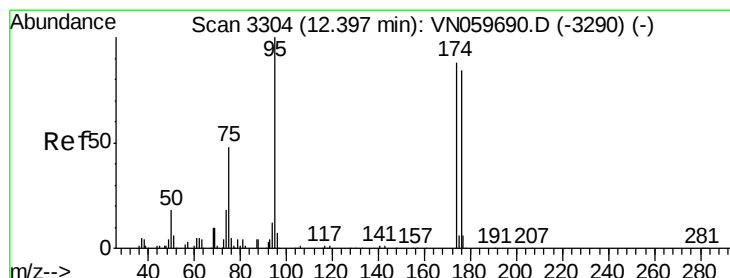
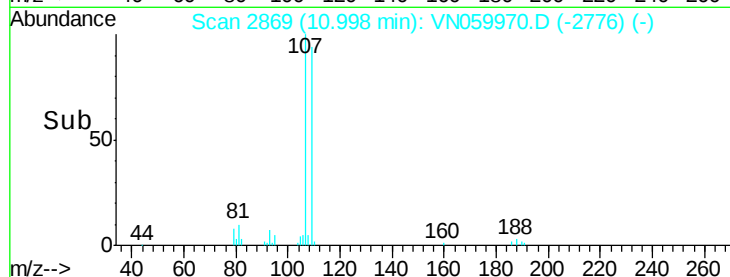
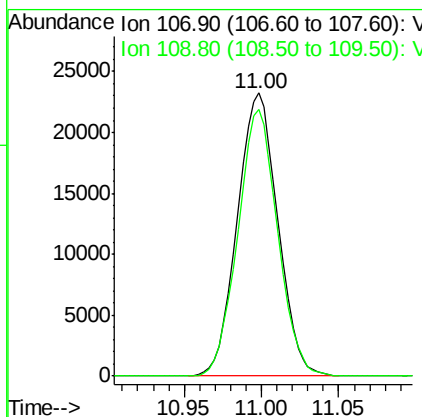
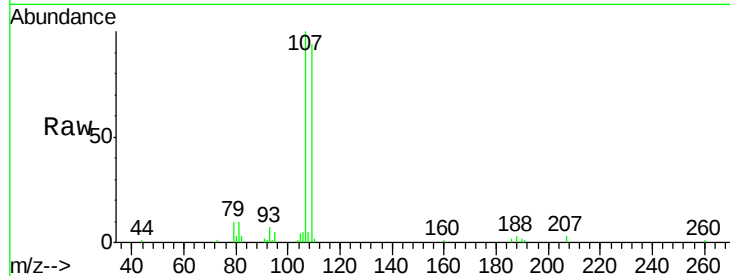
#61
 1,2-Dibromoethane
 Concen: 20.593 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBSD01

Tot Ion: 107 Resp: 42317
 Ion Ratio Lower Upper
 107 100
 109 92.5 76.6 115.0

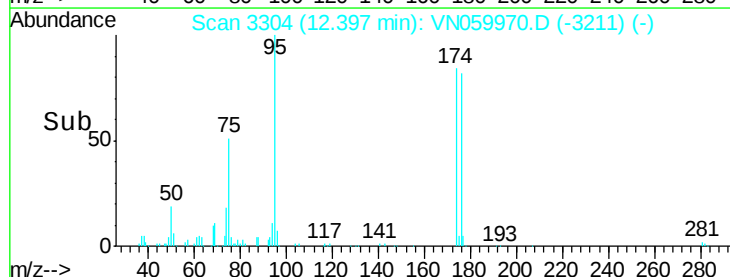
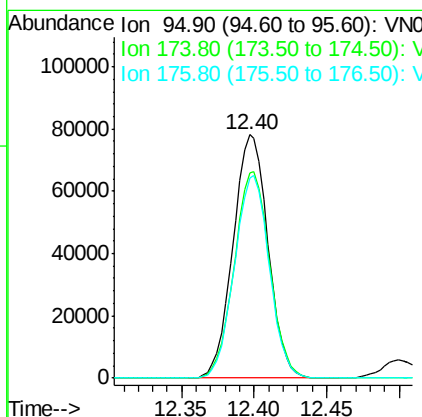
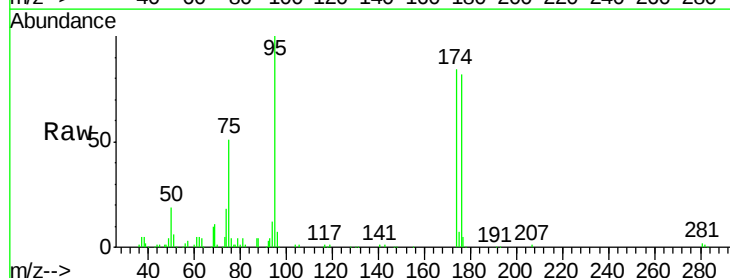
Manual Integrations
 APPROVED

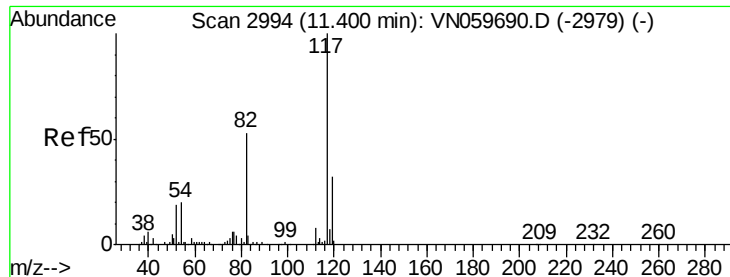
MMDadoda
 2/4/2020 11:20:36 AM



#62
 4-Bromofluorobenzene
 Concen: 52.016 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion: 95 Resp: 130743
 Ion Ratio Lower Upper
 95 100
 174 85.9 0.0 151.4
 176 82.9 0.0 146.0





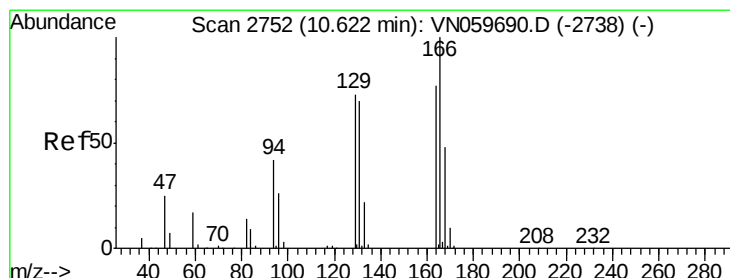
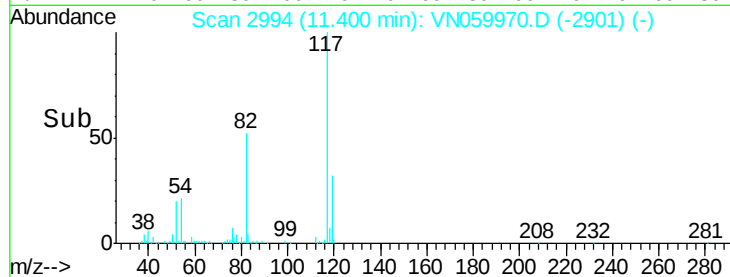
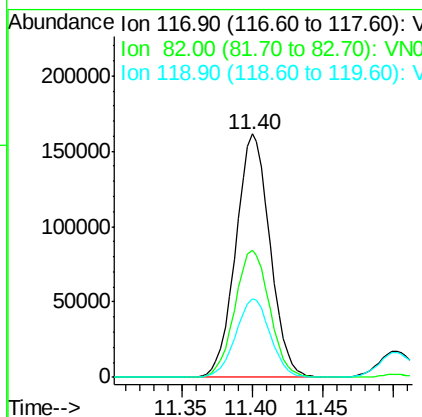
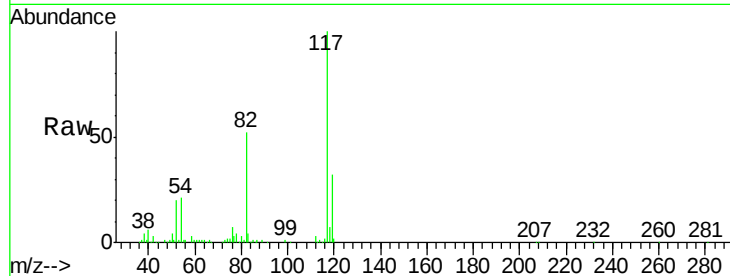
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	274315		
82	52.4		45.9	68.9
119	32.3		25.5	38.3

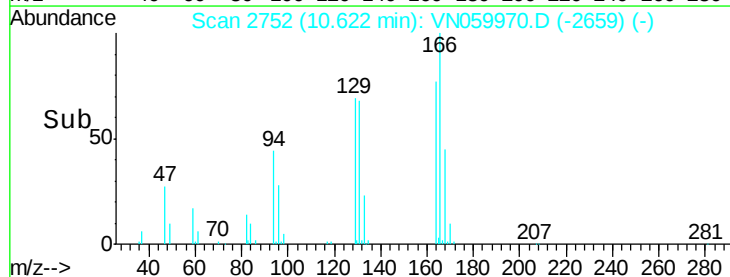
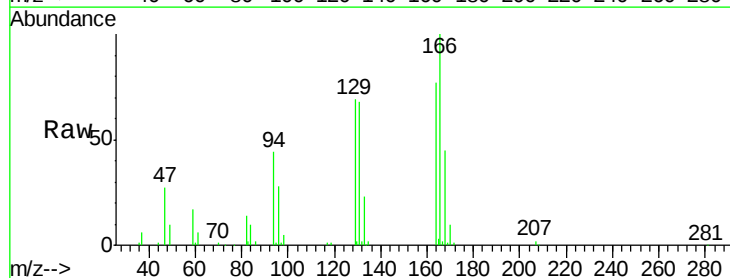
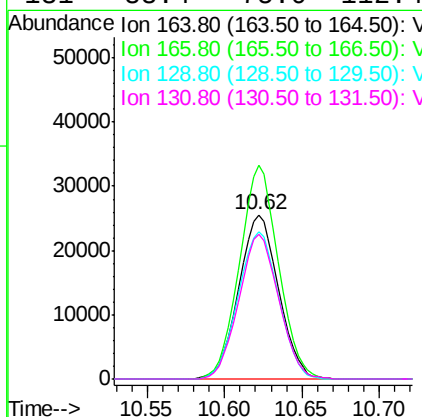
Manual Integrations
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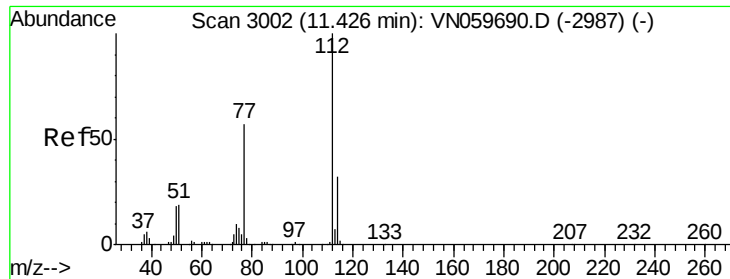
MMDadoda
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#64
Tetrachloroethene
Concen: 20.455 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45730		
166	130.3		101.4	152.0
129	89.6		80.2	120.4
131	88.4		75.0	112.4





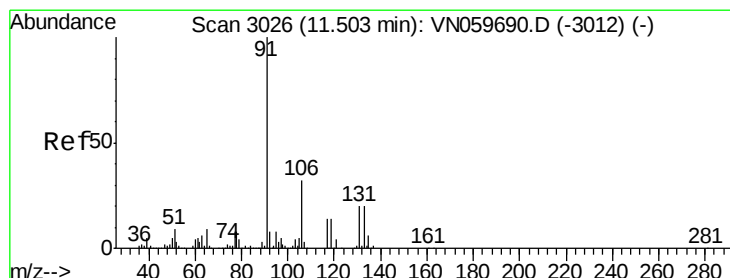
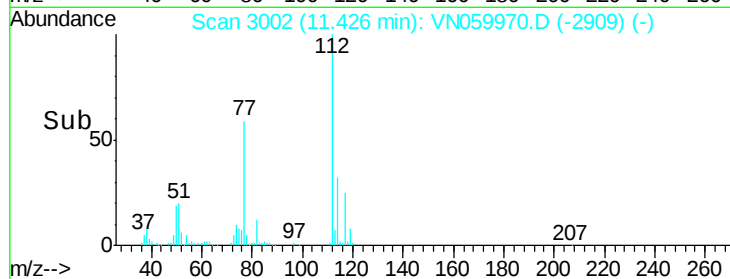
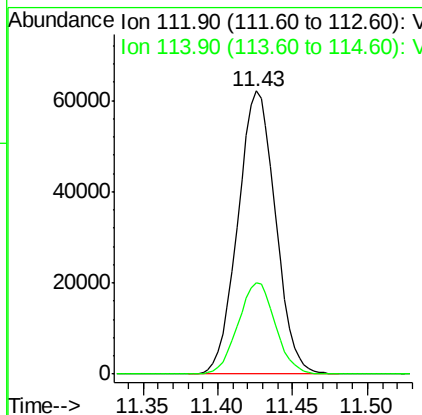
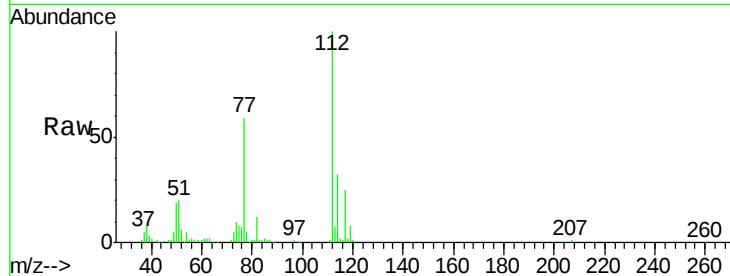
#65
Chlorobenzene
Concen: 20.182 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampled :
VN0203WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.8	38.8

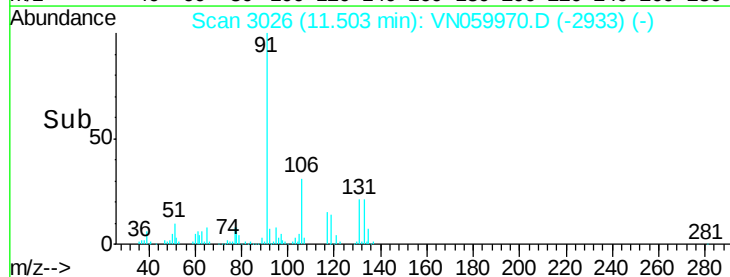
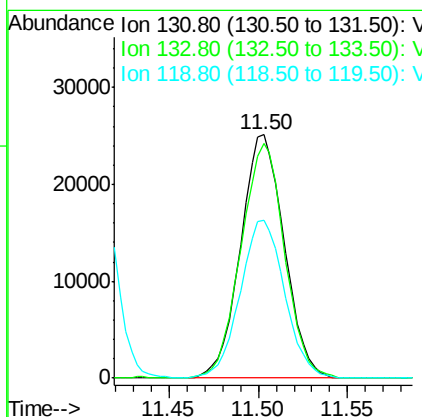
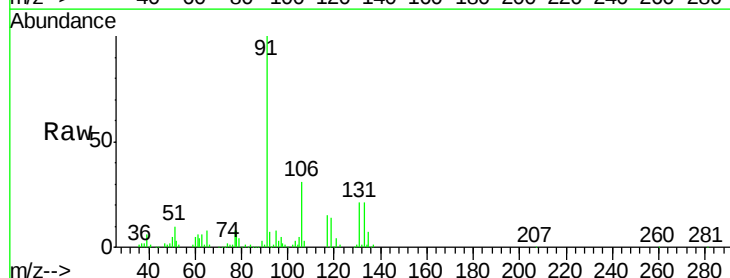
Manual Integrations
APPROVED

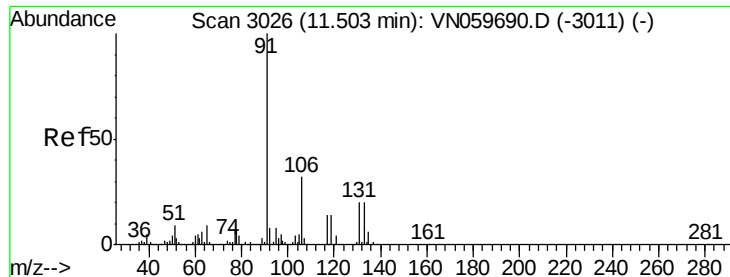
MMDadoda
2/4/2020 11:20:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.588 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.4	142.2
119	65.9	33.1	99.3





#67

Ethyl Benzene

Concen: 19.851 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0203WBSD01

Tot Ion: 91 Resp: 194292

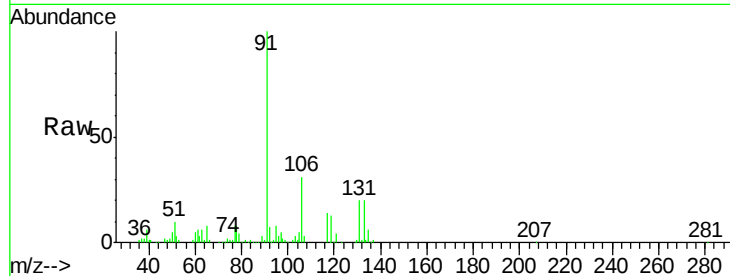
Ion Ratio Lower Upper

91 100

106 31.3 24.1 36.1

Manual Integrations
APPROVED

MMDadoda
2/4/2020 11:20:36 AM



Abundance Ion 91.00 (90.70 to 91.70): VN059970.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN059970.D (-2933) (-)

150000

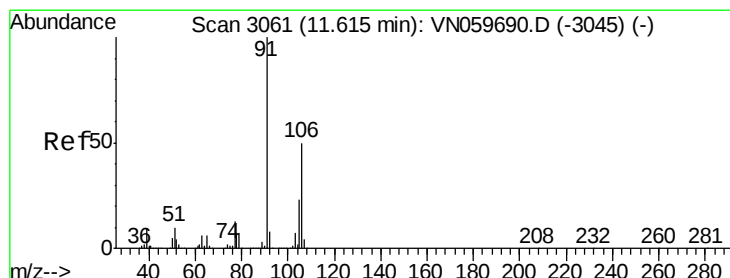
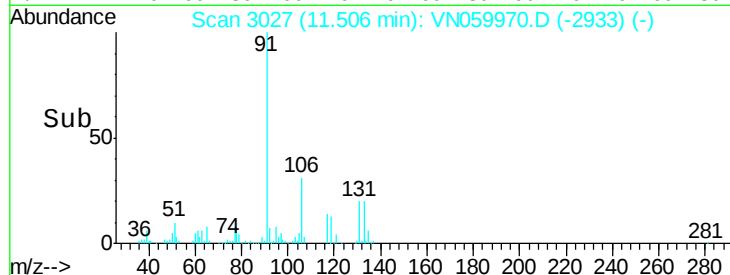
100000

50000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 39.191 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059970.D

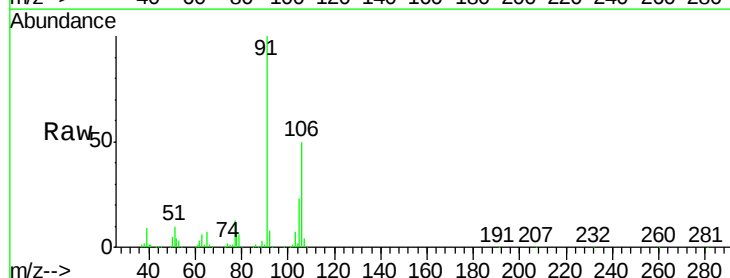
Acq: 3 Feb 2020 13:31

Tgt Ion: 106 Resp: 144897

Ion Ratio Lower Upper

106 100

91 202.1 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059970.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN059970.D (-2968) (-)

150000

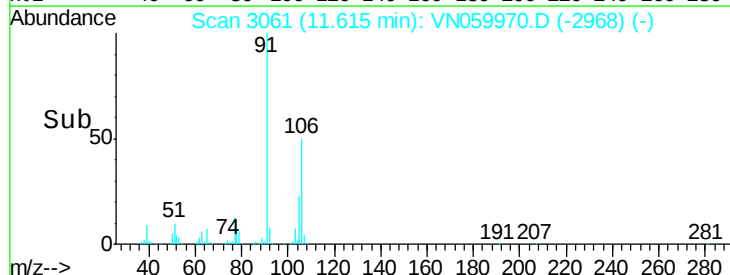
100000

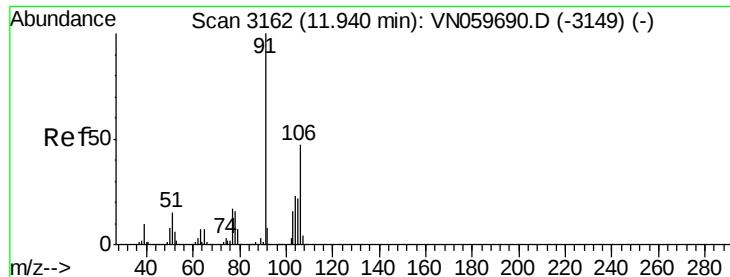
50000

0

11.55 11.60 11.65 11.70

Time-->





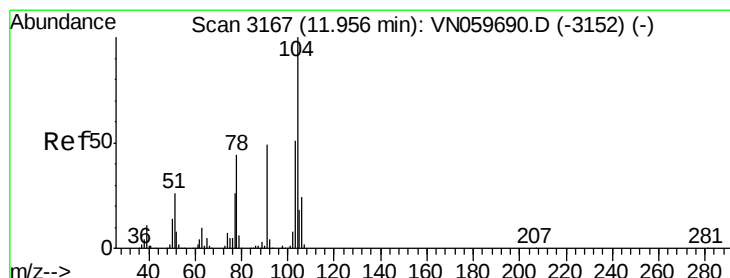
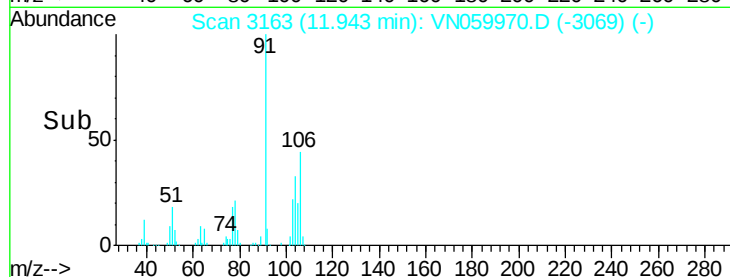
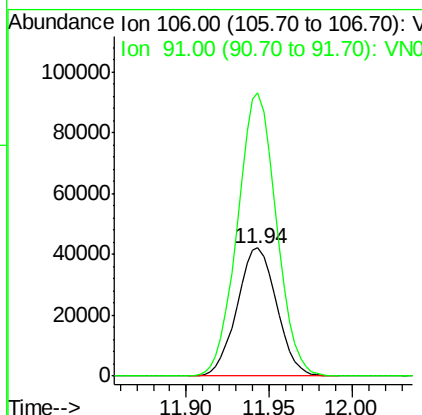
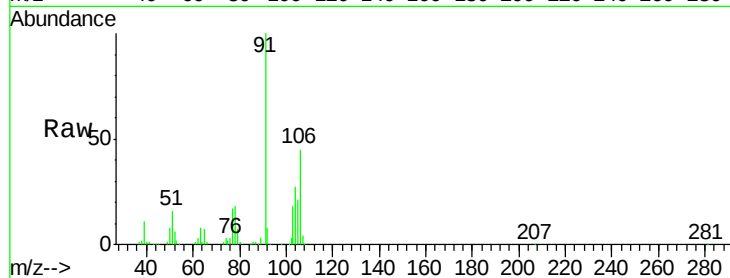
#69
o-Xylene
Concen: 19.396 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampled :
VN0203WBSD01

Tot Ion:106 Resp: 70208
Ion Ratio Lower Upper
106 100
91 216.9 110.3 330.9

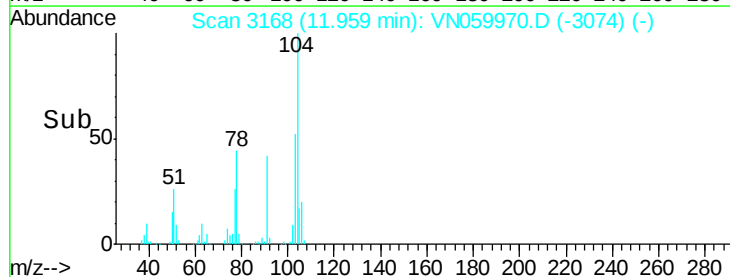
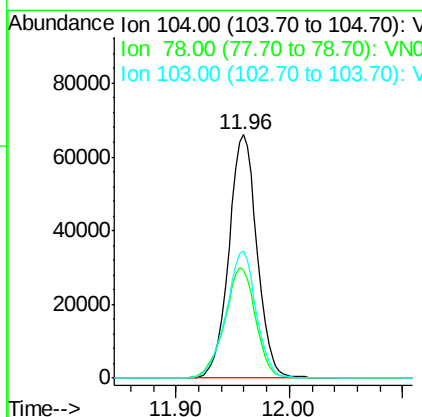
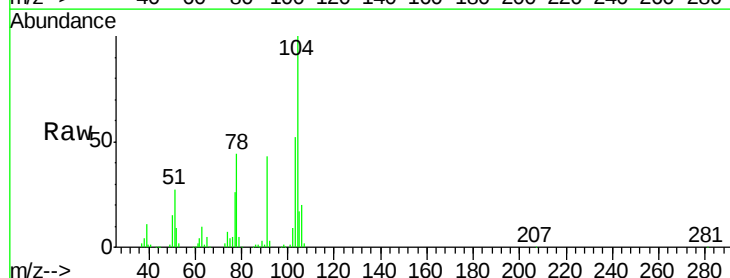
Manual Integrations
APPROVED

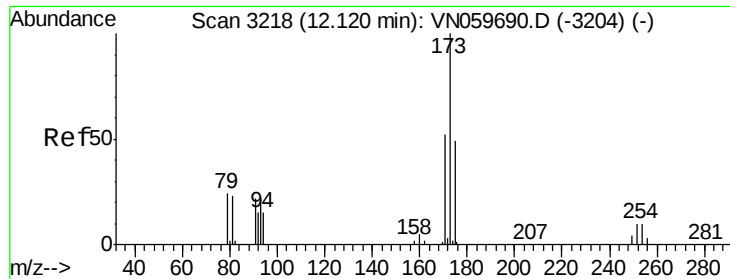
MMDadoda
2/4/2020 11:20:36 AM



#70
Styrene
Concen: 18.849 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion:104 Resp: 114168
Ion Ratio Lower Upper
104 100
78 49.7 42.4 63.6
103 55.4 43.9 65.9





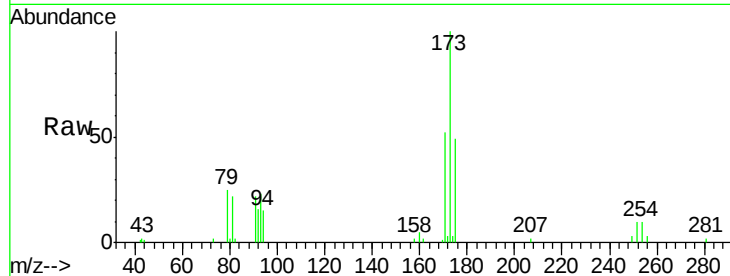
#71
Bromoform
Concen: 19.909 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
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MMDadoda
2/4/2020 11:20:36 AM

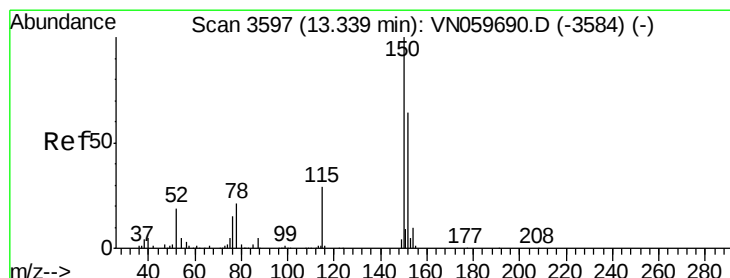
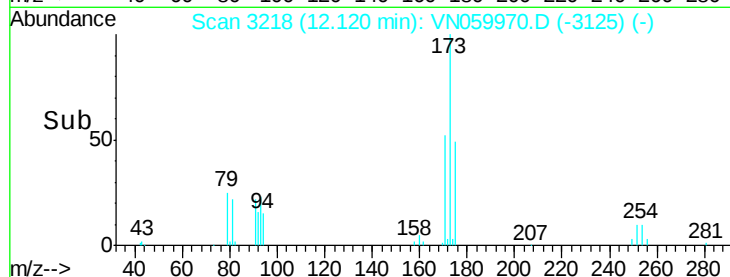
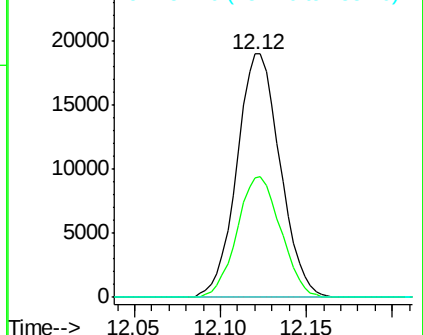


Abundance

Ion 172.70 (172.40 to 173.40): V

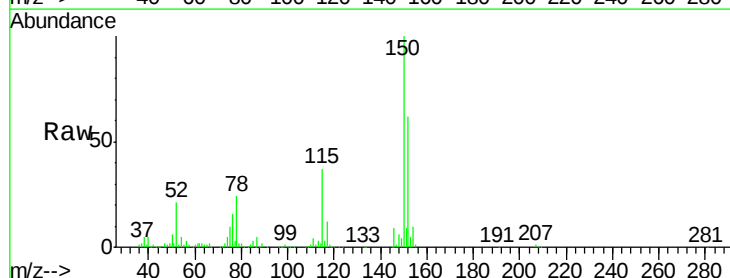
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	30.3	90.9
150	165.6	0.0	345.2

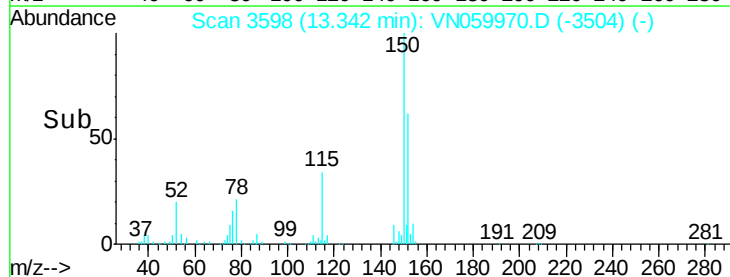
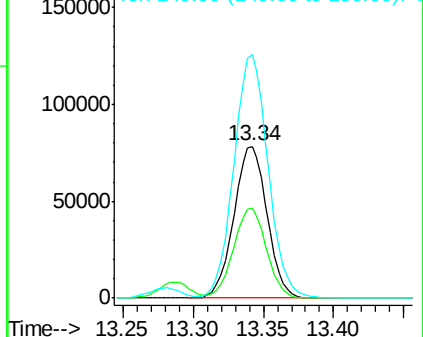


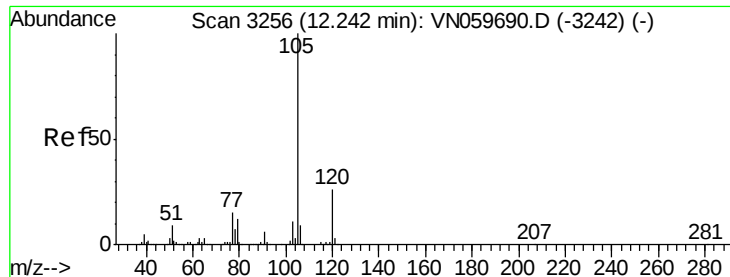
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.513 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBSD01

Tot Ion: 105 Resp: 193702

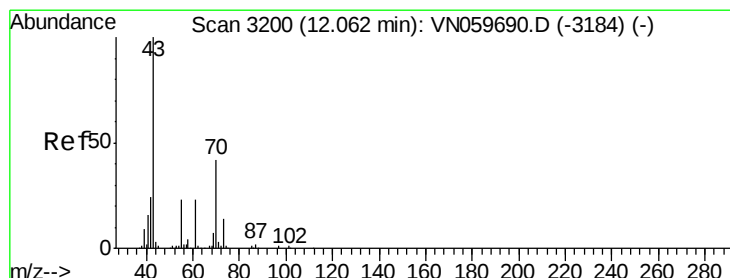
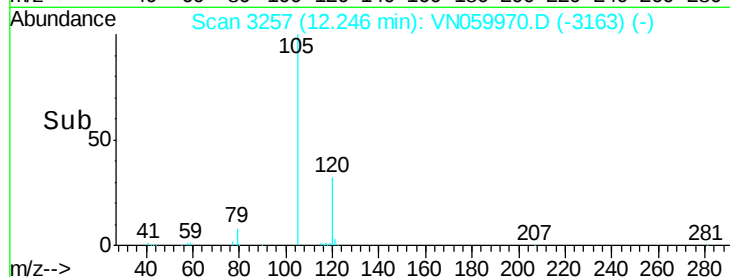
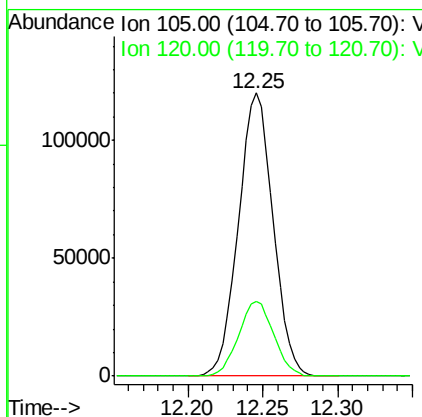
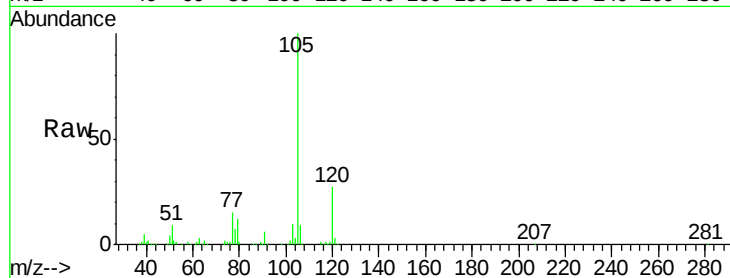
Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.5

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.992 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Tgt Ion: 43 Resp: 69589

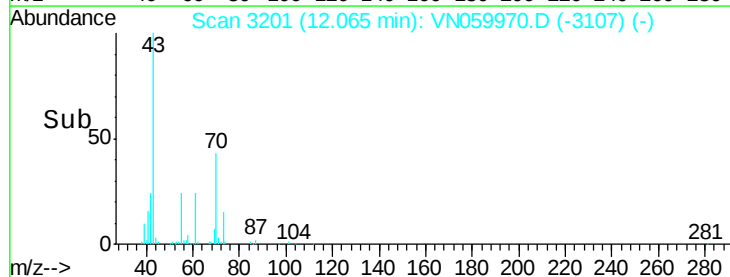
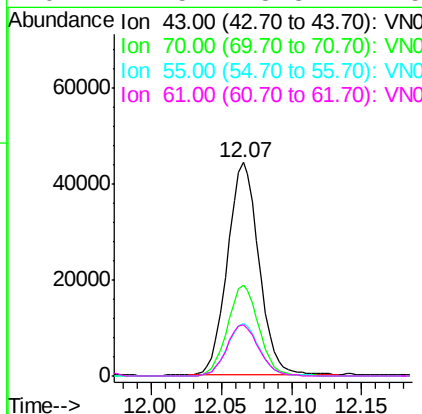
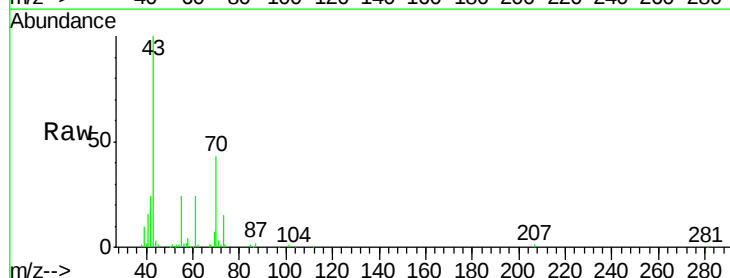
Ion Ratio Lower Upper

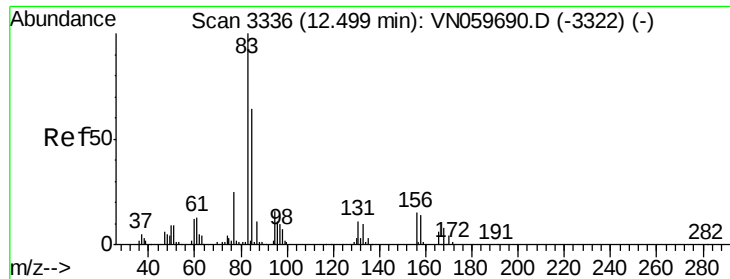
43 100

70 42.4 31.3 46.9

55 25.0 19.8 29.6

61 24.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.207 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

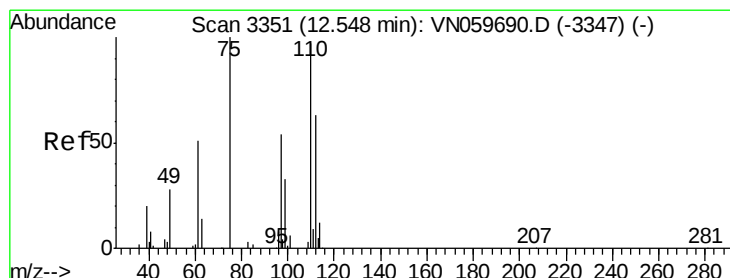
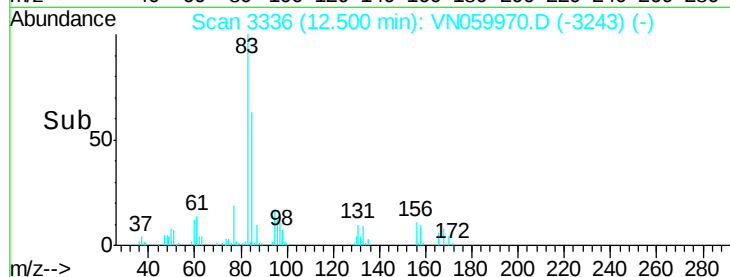
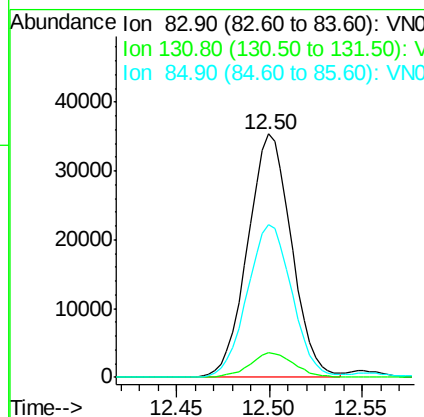
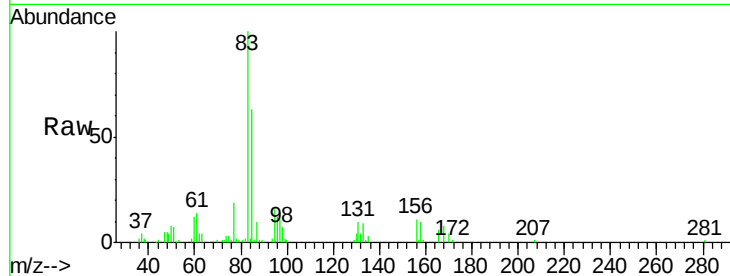
ClientSampleId :

VN0203WBSD01

Tot Ion:	83	Resp:	58052
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	14.9
85	63.9	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.037 ug/l m

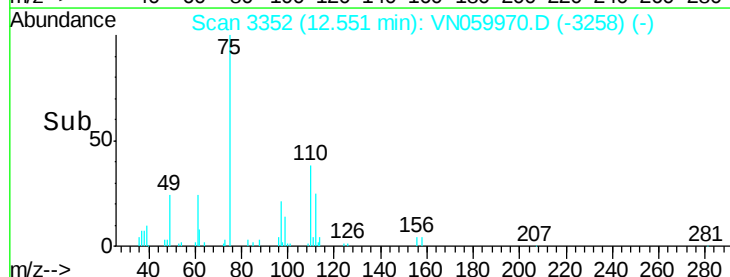
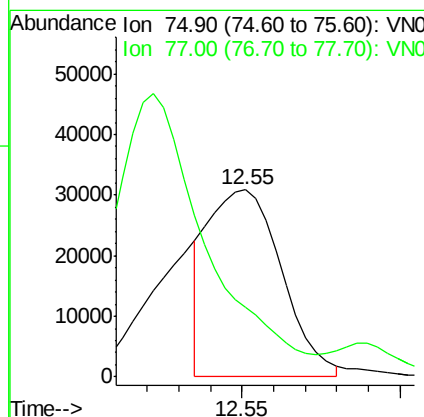
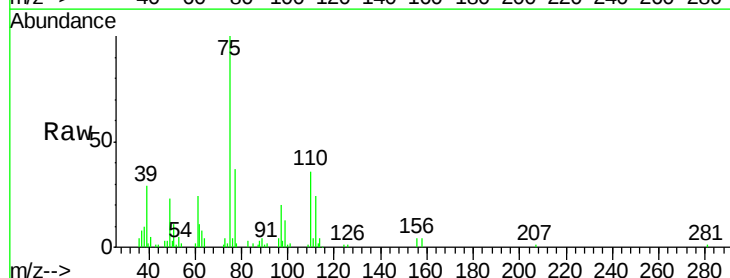
RT: 12.55 min Scan# 3352

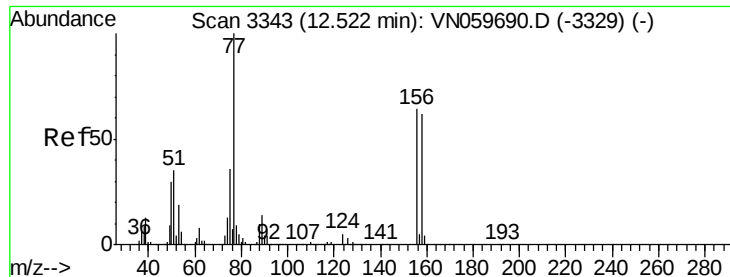
Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Tgt Ion:	75	Resp:	49917
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.398 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

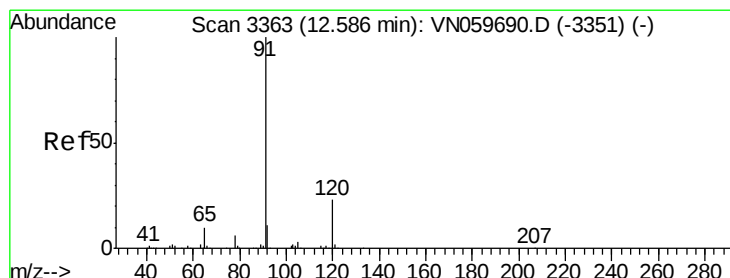
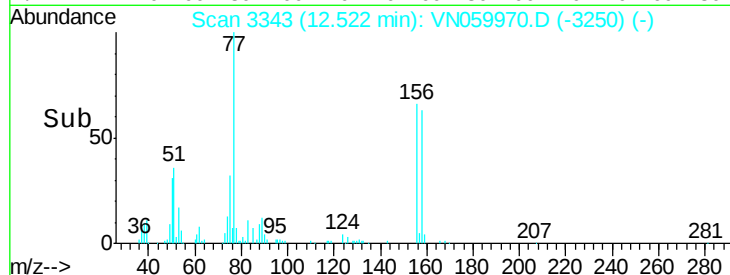
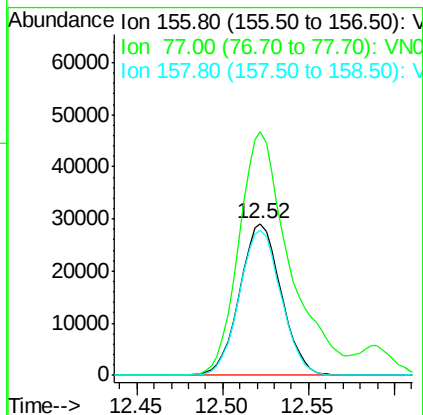
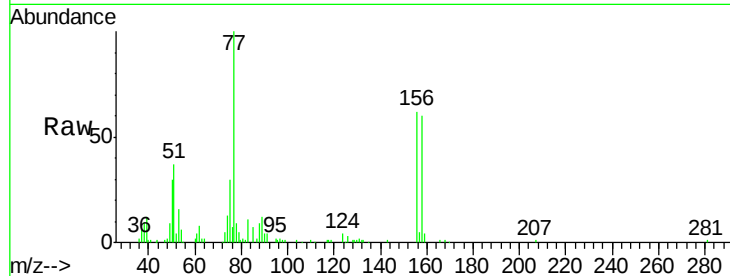
ClientSampleId :

VN0203WBSD01

Tot Ion:	156	Resp:	48776
Ion Ratio	Lower	Upper	
156	100		
77	197.0	115.8	347.4
158	96.0	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.394 ug/l

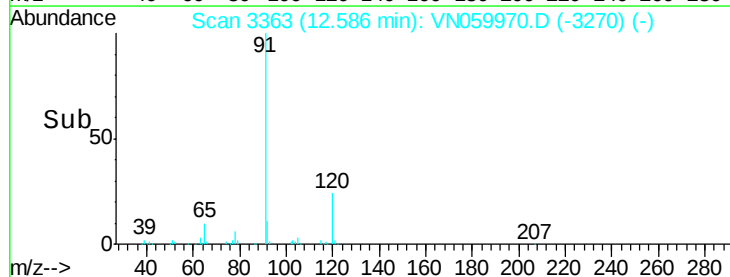
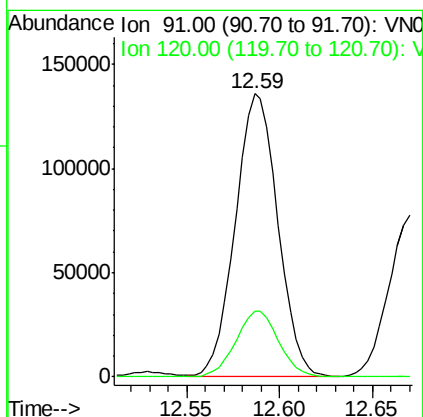
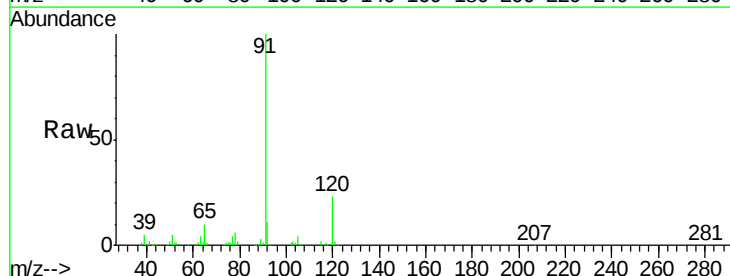
RT: 12.59 min Scan# 3363

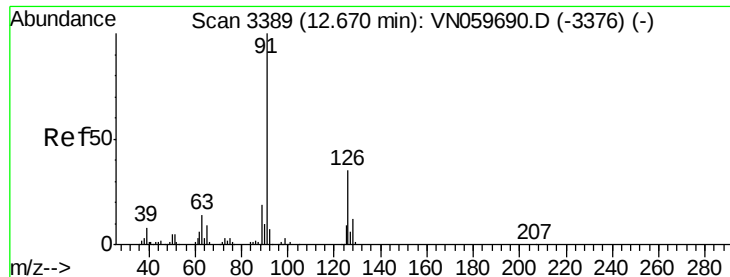
Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Tgt Ion:	91	Resp:	216147
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.1	33.3





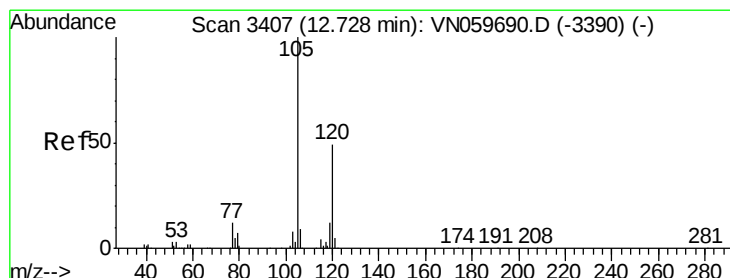
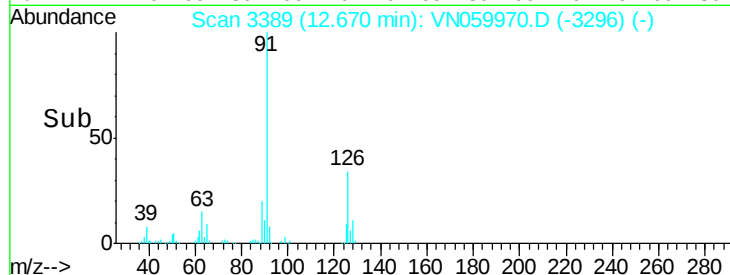
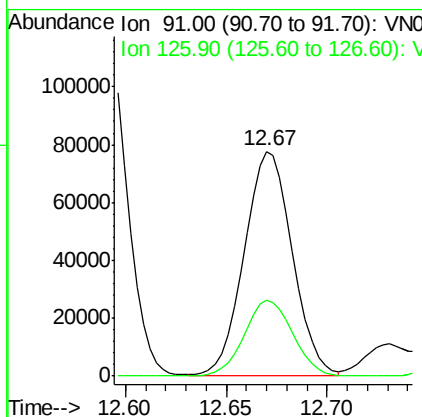
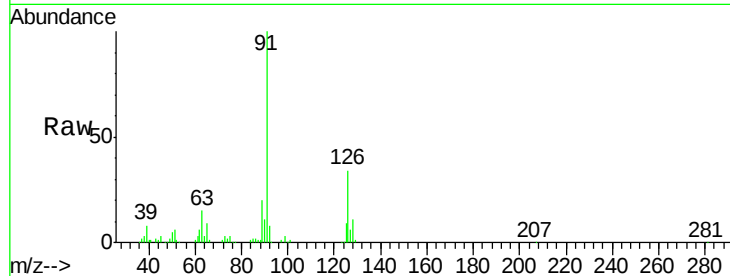
#79
 2-Chlorotoluene
 Concen: 20.624 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBSD01

Tot Ion: 91 Resp: 130032
 Ion Ratio Lower Upper
 91 100
 126 34.0 16.3 48.9

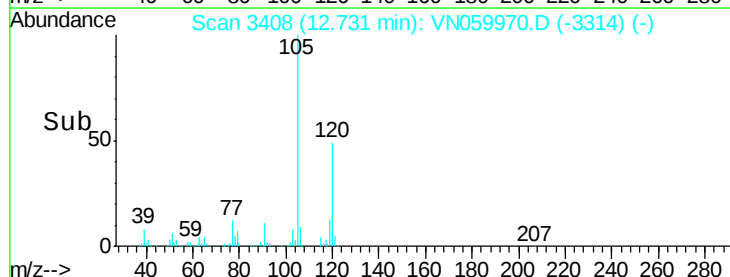
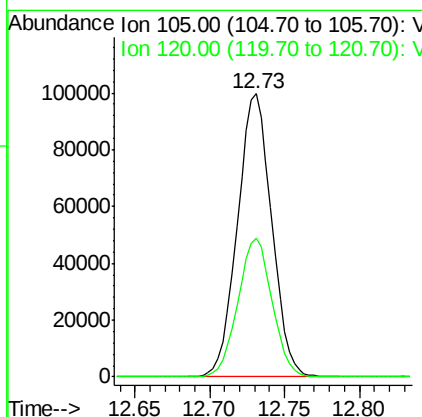
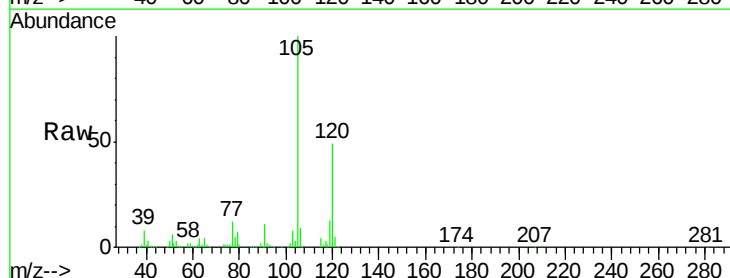
Manual Integrations
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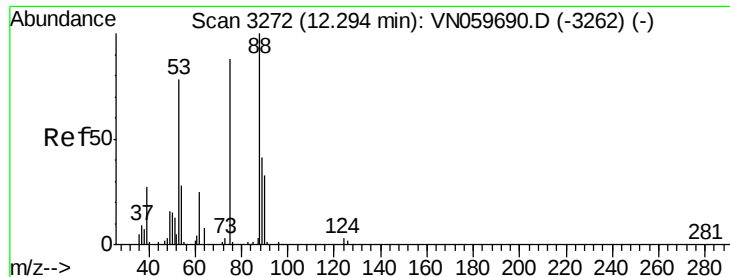
MMDadoda
 2/4/2020 11:20:36 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.981 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion: 105 Resp: 158677
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.281 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBSD01

Tot Ion: 75 Resp: 20463

Ion Ratio Lower Upper

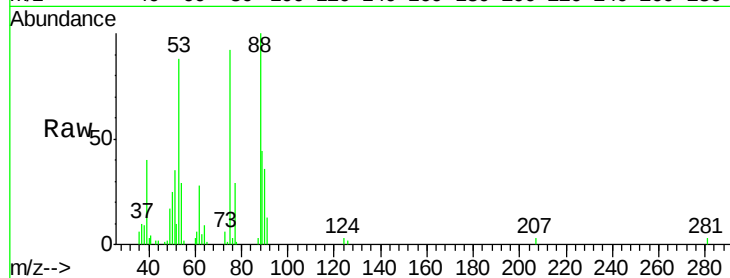
75 100

53 94.9 78.1 117.1

89 45.9 35.4 53.2

Manual Integrations
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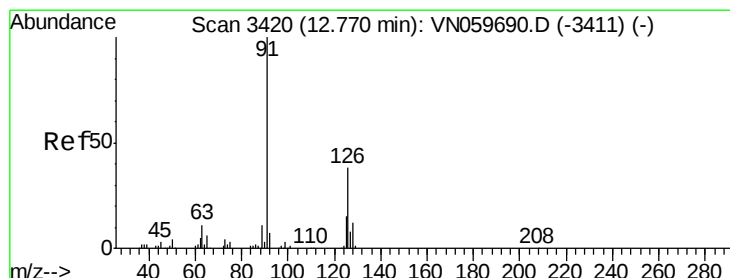
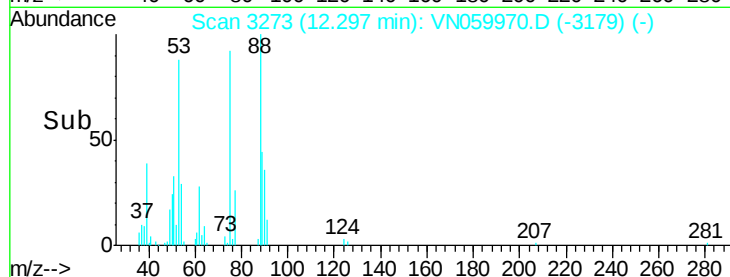
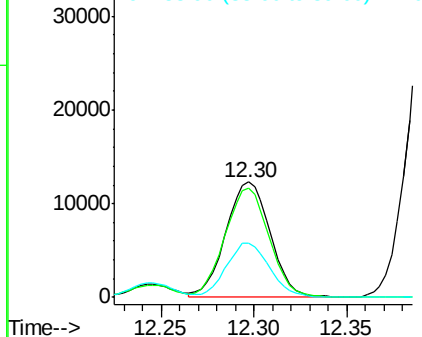
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.725 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059970.D

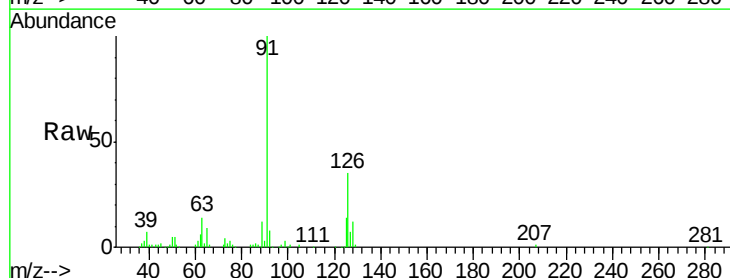
Acq: 3 Feb 2020 13:31

Tgt Ion: 91 Resp: 131066

Ion Ratio Lower Upper

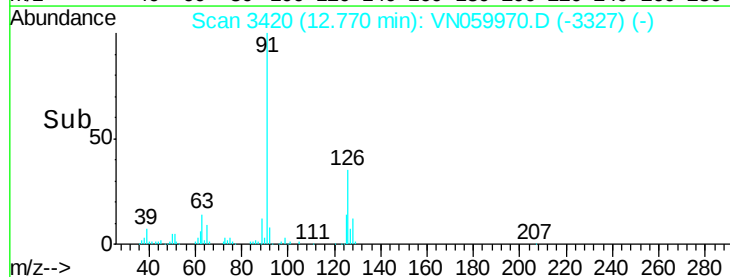
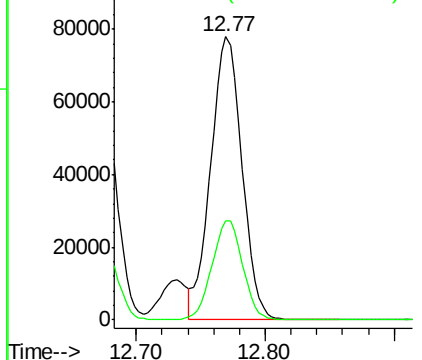
91 100

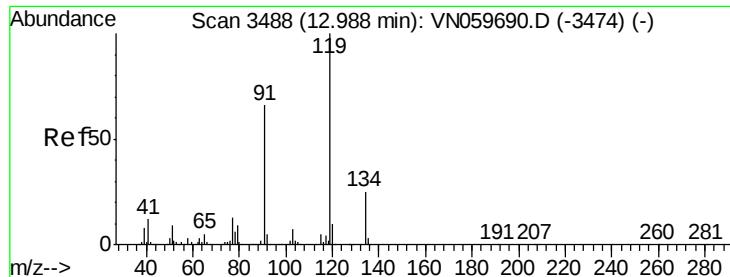
126 34.3 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.527 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

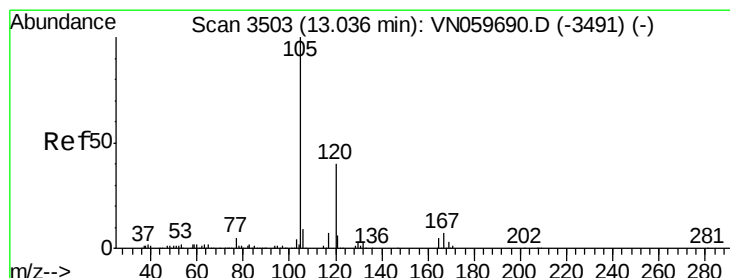
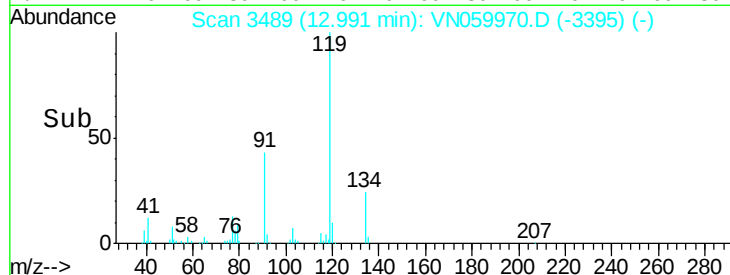
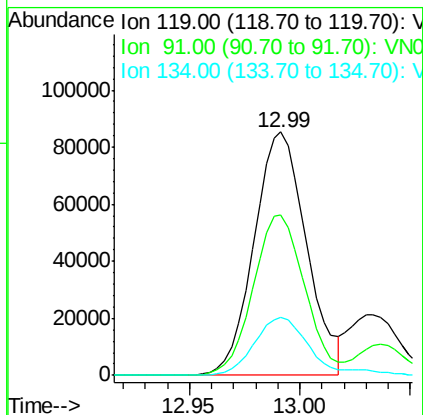
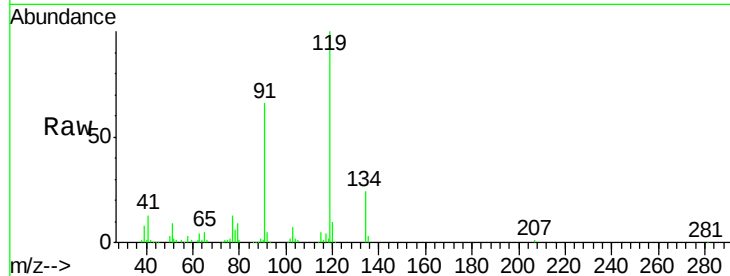
ClientSampleId :

VN0203WBSD01

Tot Ion:	119	Resp:	140984
Ion Ratio	Lower	Upper	
119	100		
91	65.2	34.8	104.4
134	25.3	12.3	36.9

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#84

1,2,4-Trimethylbenzene

Concen: 20.184 ug/l

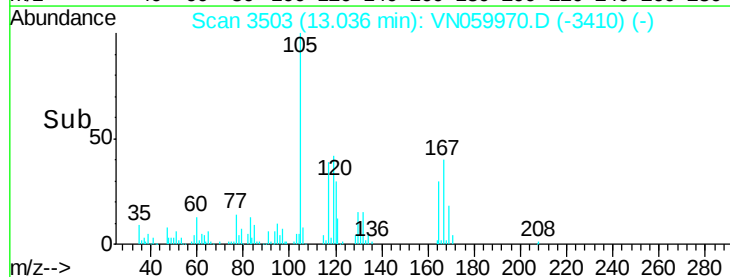
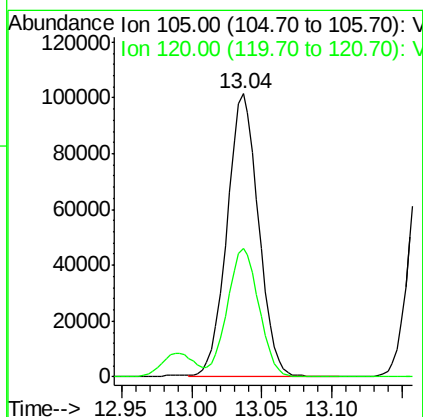
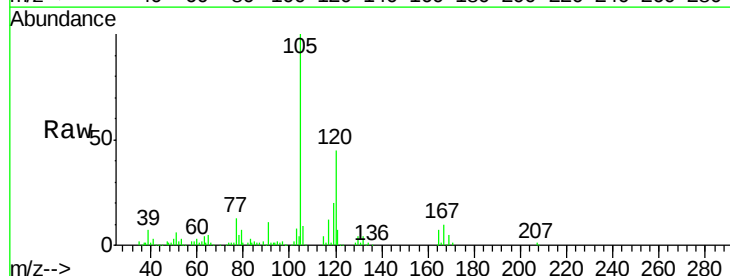
RT: 13.04 min Scan# 3503

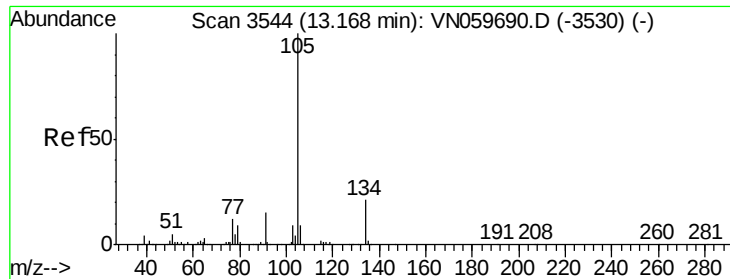
Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Tgt Ion:	105	Resp:	158573
Ion Ratio	Lower	Upper	
105	100		
120	45.8	22.3	66.9





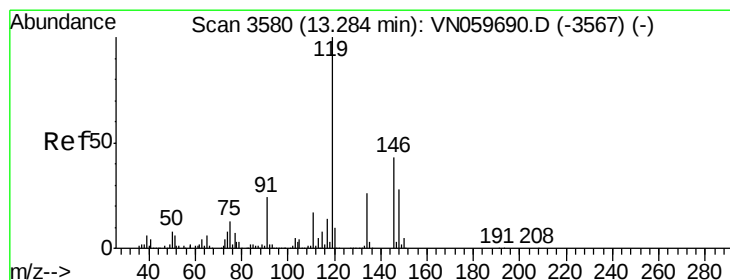
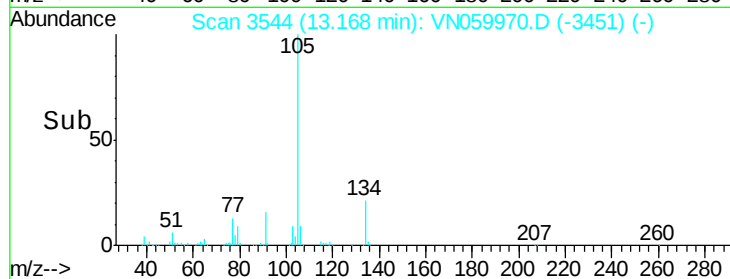
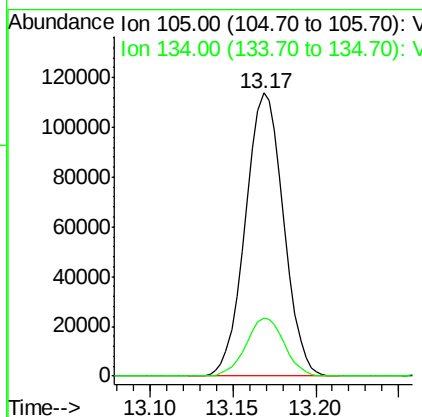
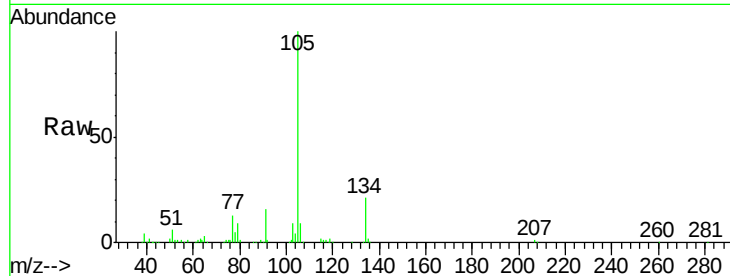
#85
 sec-Butylbenzene
 Concen: 20.256 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	9.8	29.5

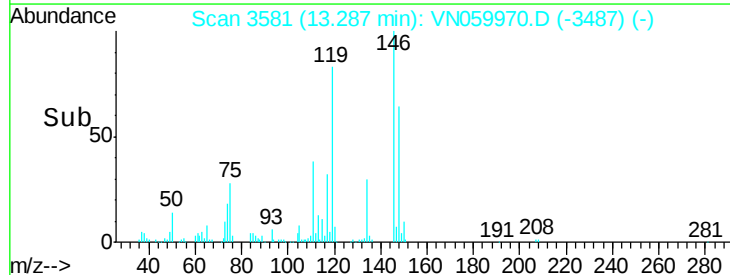
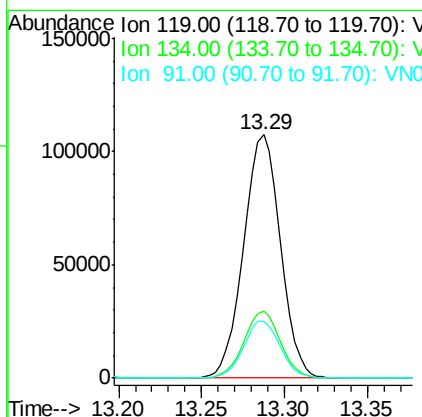
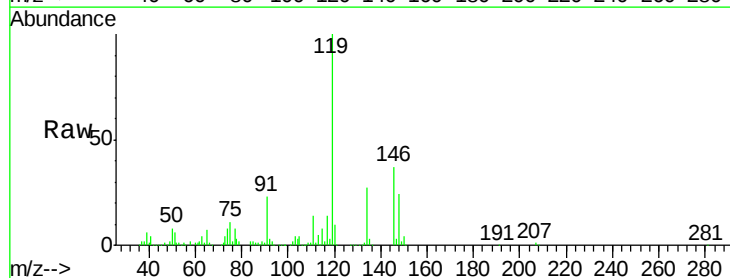
Manual Integrations
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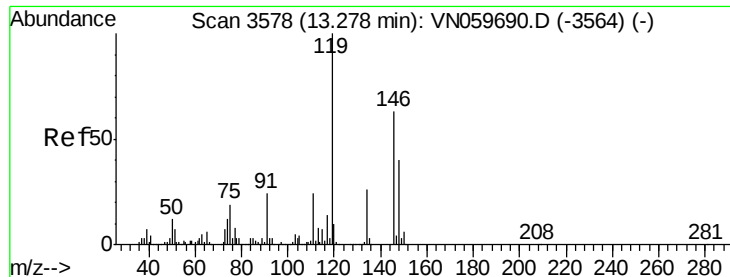
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 2/4/2020 11:20:36 AM



#86
 p-Isopropyltoluene
 Concen: 19.834 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	12.9	38.7
91	23.6	12.4	37.4





#87

1,3-Dichlorobenzene

Concen: 20.286 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

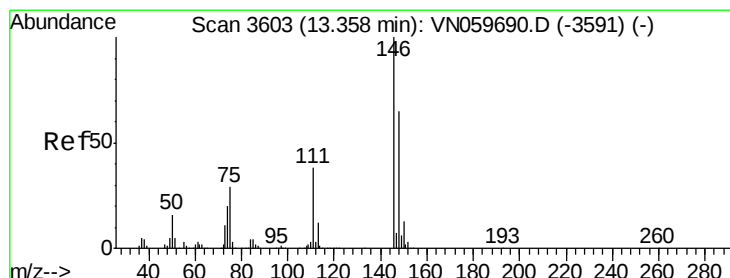
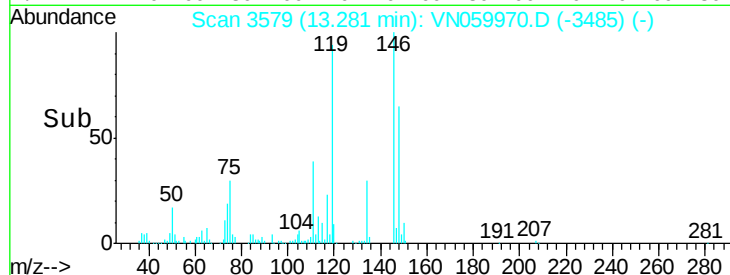
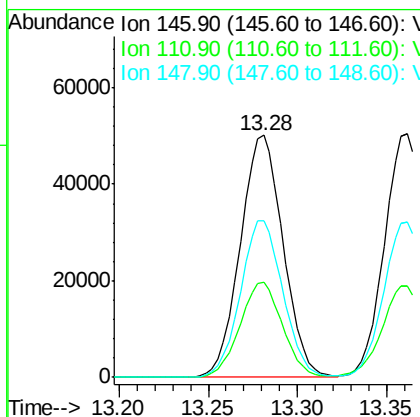
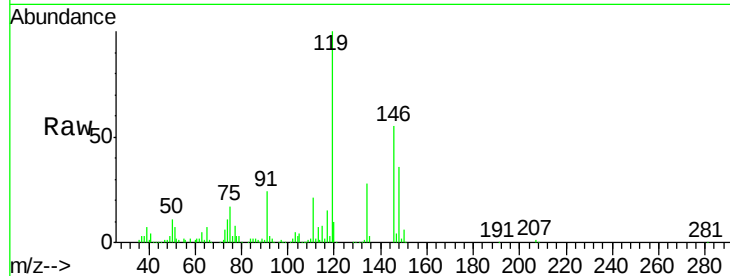
ClientSampleId :

VN0203WBSD01

Tot Ion:	146	Resp:	84261
Ion Ratio	Lower	Upper	
146	100		
111	39.0	20.8	62.2
148	64.2	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.063 ug/l

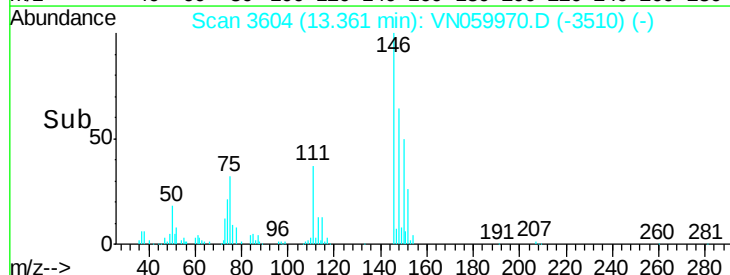
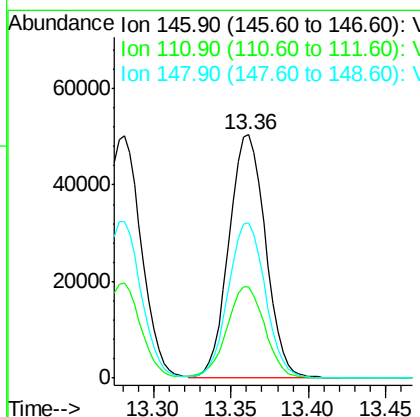
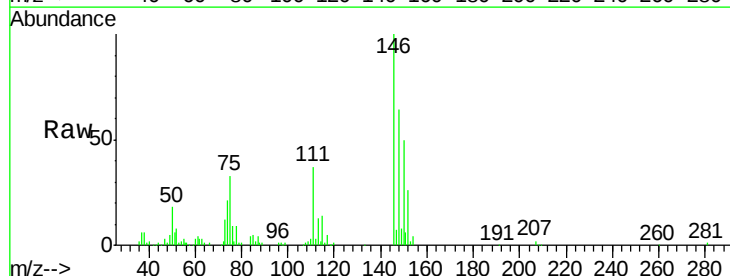
RT: 13.36 min Scan# 3604

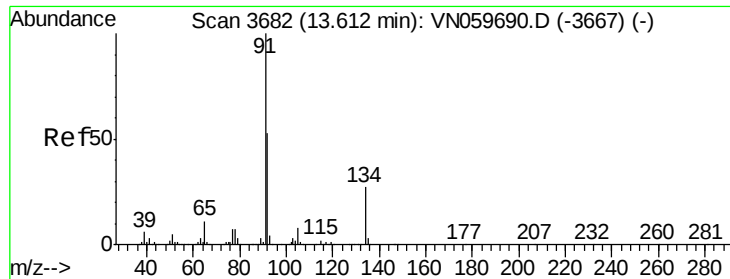
Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Tgt Ion:	146	Resp:	83138
Ion Ratio	Lower	Upper	
146	100		
111	39.2	20.8	62.2
148	64.6	31.8	95.4





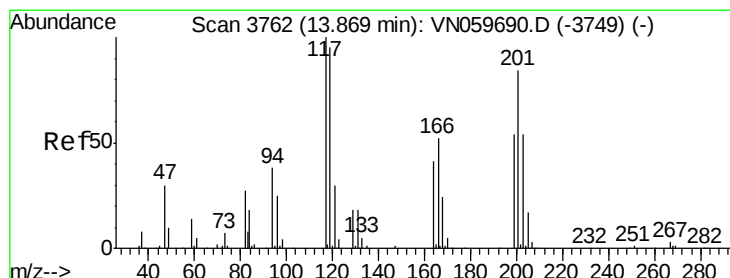
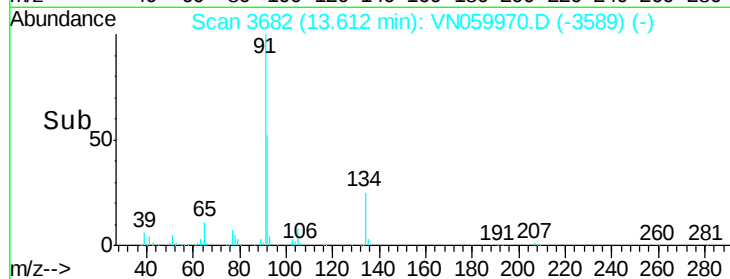
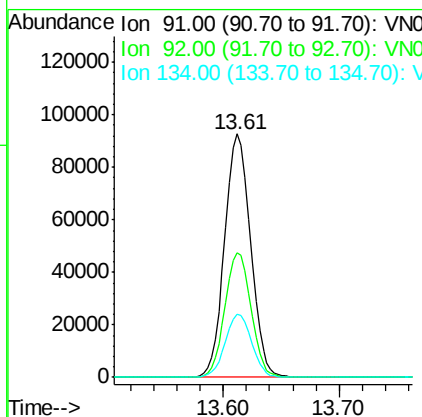
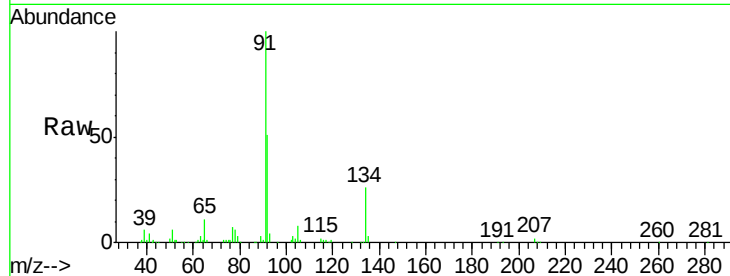
#89
n-Butylbenzene
Concen: 20.156 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.9	77.7
134	26.3	12.3	36.8

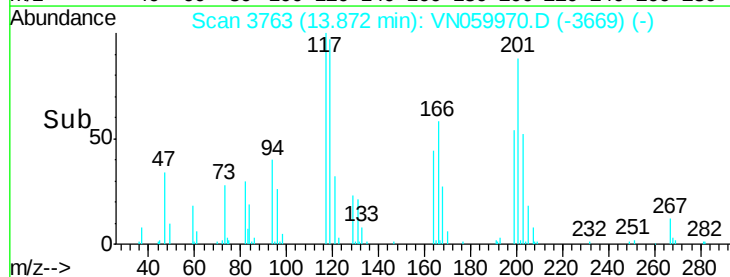
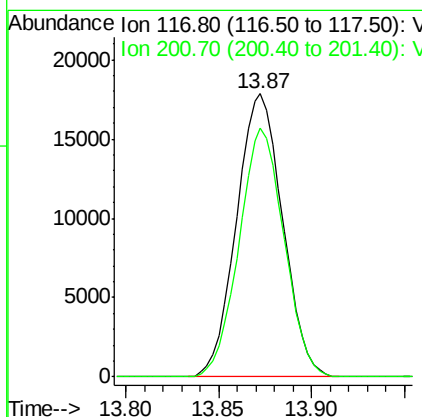
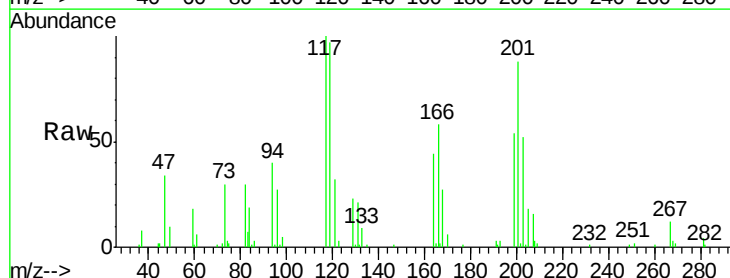
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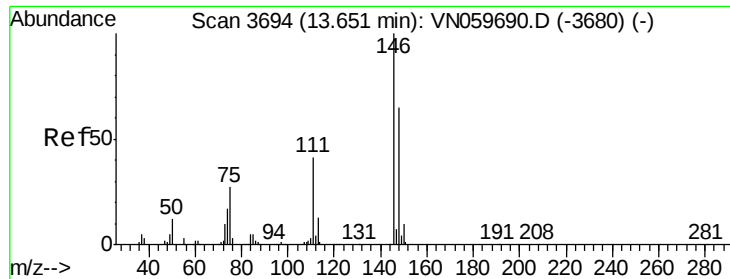
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#90
Hexachloroethane
Concen: 19.706 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.7	37.8	113.4





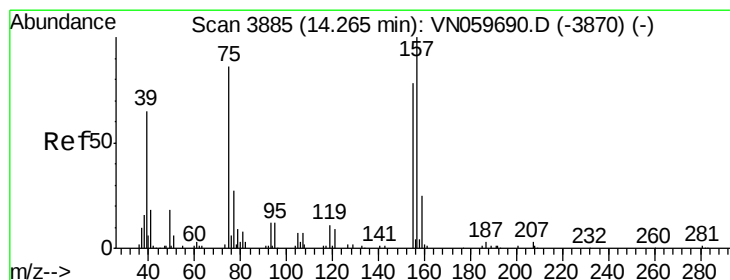
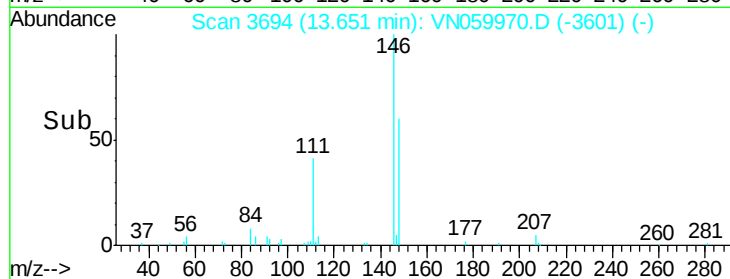
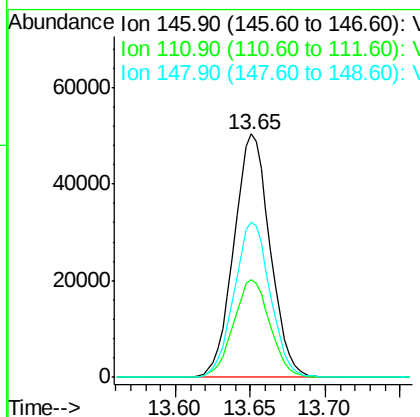
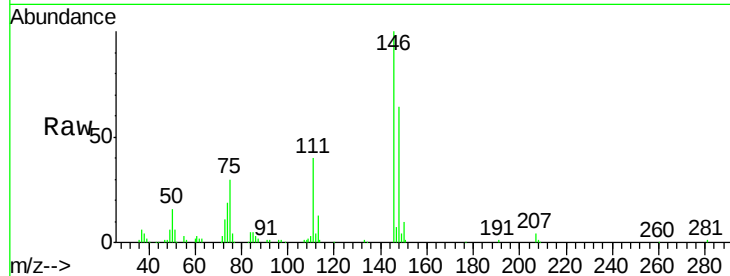
#91
 1,2-Dichlorobenzene
 Concen: 20.600 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.6	64.8
148	63.7	31.6	95.0

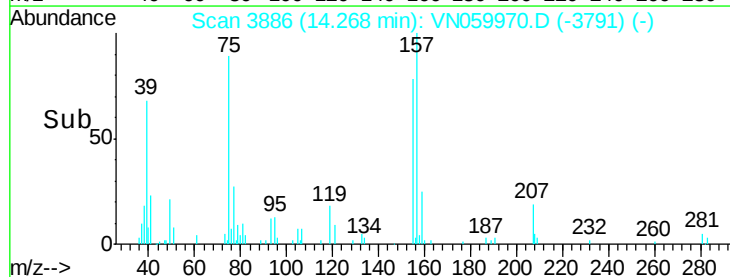
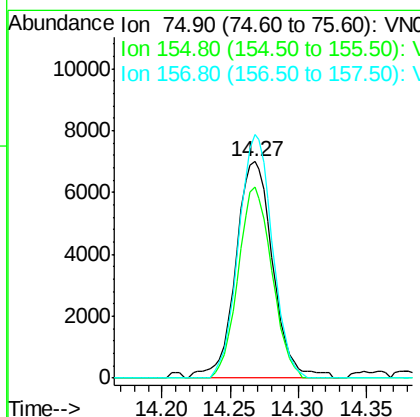
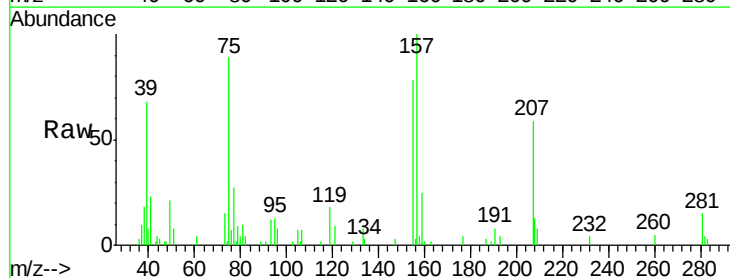
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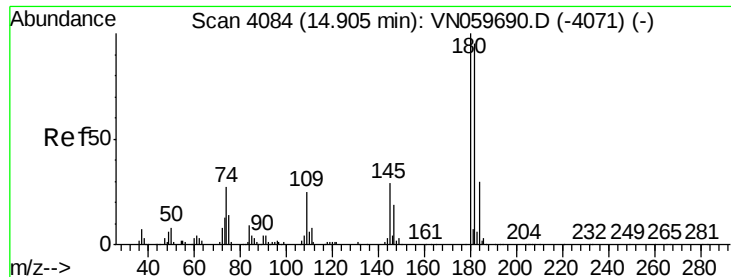
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.239 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.2	37.0	110.9
157	102.4	48.4	145.2





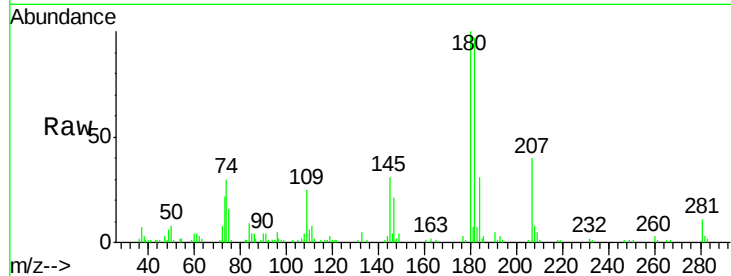
#93
 1,2,4-Trichlorobenzene
 Concen: 19.517 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBSD01

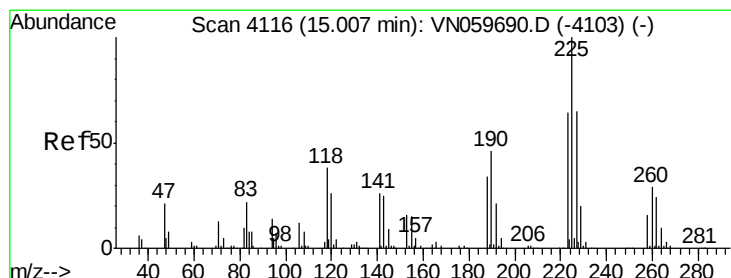
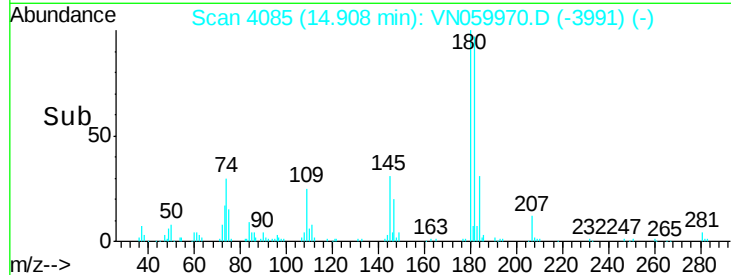
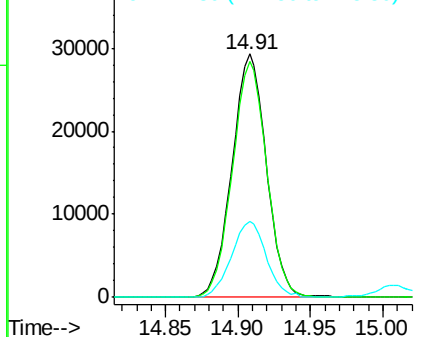
Tot Ion	Ratio	Resp	Lower	Upper
180	100	48158		
182	96.3	46.9	140.7	
145	31.4	15.0	45.1	

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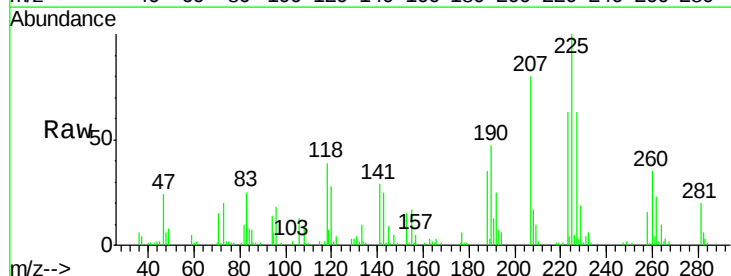


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

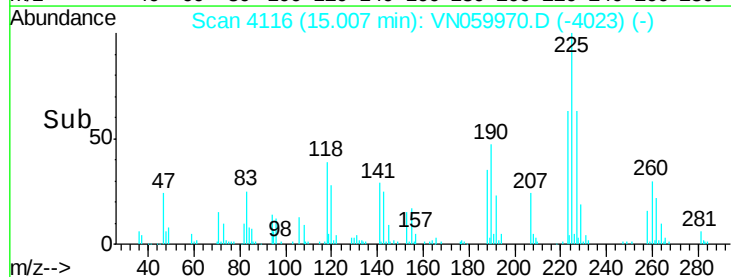
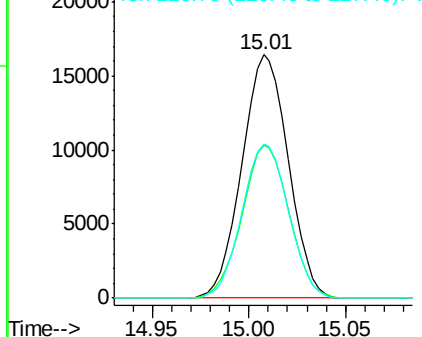


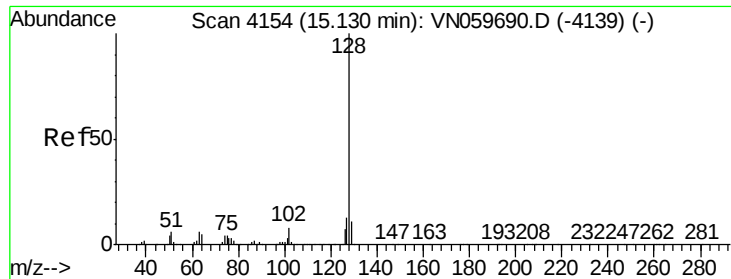
#94
 Hexachlorobutadiene
 Concen: 20.168 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27423		
223	63.5	31.8	95.3	
227	63.5	32.1	96.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.027 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

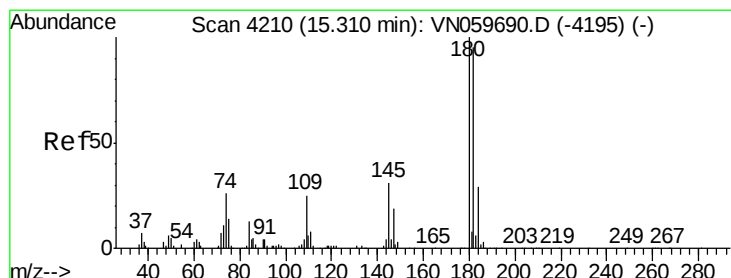
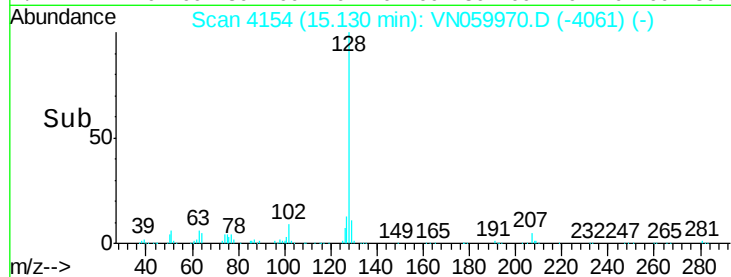
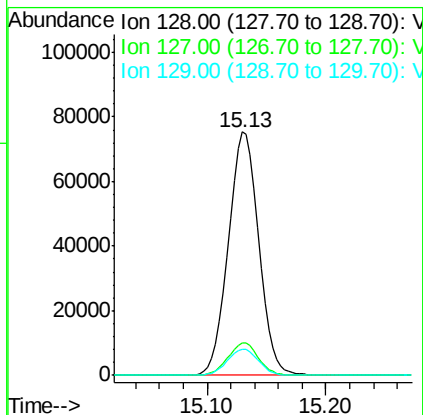
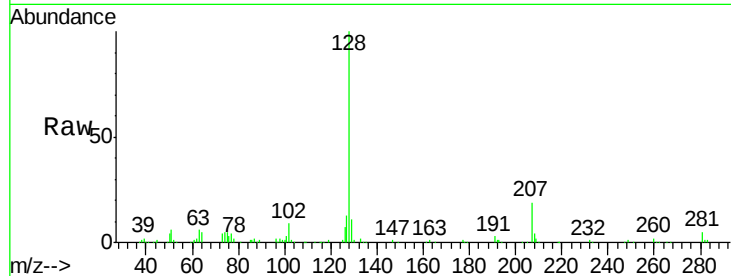
ClientSampleId :

VN0203WBSD01

Tot Ion:	128	Resp:	133542
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.020 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Tgt Ion:	180	Resp:	48084
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.4	142.3
145	32.5	16.3	48.9

