

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN059988.D
 Acq On : 4 Feb 2020 12:29
 Operator : JC/MD
 Sample : VN0204WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:21:02 PM

Quant Time: Feb 05 02:12:38 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	189648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	294505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	269706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131847	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	114802	54.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.02%	
35) Dibromofluoromethane	7.56	113	94932	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
50) Toluene-d8	10.08	98	357612	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.40	95	132056	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	37505	16.423	ug/l	99
3) Chloromethane	2.04	50	37739	17.381	ug/l	100
4) Vinyl Chloride	2.17	62	48789	19.639	ug/l	100
5) Bromomethane	2.55	94	30593	20.179	ug/l	99
6) Chloroethane	2.69	64	22923	19.504	ug/l	98
7) Trichlorofluoromethane	3.00	101	58640	19.655	ug/l	99
8) Diethyl Ether	3.38	74	21123	20.174	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33638	20.258	ug/l	92
10) Methyl Iodide	3.93	142	40901	15.239	ug/l	95
11) Tert butyl alcohol	4.73	59	35023	98.782	ug/l	98
12) 1,1-Dichloroethene	3.72	96	32636	18.810	ug/l	91
13) Acrolein	3.58	56	13191	52.558	ug/l	98
14) Allyl chloride	4.29	41	46079	19.703	ug/l #	87
15) Acrylonitrile	4.95	53	82155	101.582	ug/l	99
16) Acetone	3.78	43	84434	112.017	ug/l	98
17) Carbon Disulfide	4.03	76	77991	15.779	ug/l	99
18) Methyl Acetate	4.29	43	51344	20.871	ug/l	91
19) Methyl tert-butyl Ether	5.00	73	120364	21.277	ug/l	95
20) Methylene Chloride	4.52	84	38071	19.183	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	35044	19.001	ug/l	90
22) Diisopropyl ether	5.91	45	111572	21.052	ug/l	87
23) Vinyl Acetate	5.86	43	420047	102.366	ug/l	95
24) 1,1-Dichloroethane	5.82	63	64393	19.884	ug/l	97
25) 2-Butanone	6.80	43	114123	95.687	ug/l	92
26) 2,2-Dichloropropane	6.79	77	62943	20.218	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	42987	20.264	ug/l	89
28) Bromochloromethane	7.17	49	27014	20.871	ug/l #	75
29) Tetrahydrofuran	7.18	42	72569	98.342	ug/l #	87
30) Chloroform	7.35	83	70536	21.022	ug/l	99
31) Cyclohexane	7.63	56	56943	18.274	ug/l	87
32) 1,1,1-Trichloroethane	7.54	97	64012	20.633	ug/l	96
36) 1,1-Dichloropropene	7.77	75	49501	19.301	ug/l	96
37) Ethyl Acetate	6.90	43	47619	19.797	ug/l	97
38) Carbon Tetrachloride	7.75	117	55336	19.835	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	58971	18.648	ug/l	92
40) Benzene	8.02	78	149257	19.514	ug/l	98
41) Methacrylonitrile	7.16	41	24994m	21.095	ug/l	
42) 1,2-Dichloroethane	8.10	62	54995	21.206	ug/l	97
43) Isopropyl Acetate	8.14	43	82084	19.839	ug/l	95
44) Trichloroethene	8.82	130	43354	20.763	ug/l	96
45) 1,2-Dichloropropane	9.10	63	39602	20.924	ug/l	99
46) Dibromomethane	9.19	93	27444	20.556	ug/l	94
47) Bromodichloromethane	9.38	83	55936	20.790	ug/l	100
48) Methyl methacrylate	9.18	41	35341	19.096	ug/l	91
49) 1,4-Dioxane	9.18	88	13878	409.635	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	240214	100.436	ug/l	96
52) Toluene	10.14	92	97251	20.129	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	62949	20.954	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	65894	20.847	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	39989	20.899	ug/l	97
56) Ethyl methacrylate	10.42	69	55806	19.087	ug/l	95
57) 1,3-Dichloropropane	10.70	76	65137	21.442	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	96645	109.742	ug/l	93
59) 2-Hexanone	10.74	43	174793	99.202	ug/l	95
60) Dibromochloromethane	10.89	129	45033	20.667	ug/l	100
61) 1,2-Dibromoethane	11.00	107	40961	20.424	ug/l	100
64) Tetrachloroethene	10.62	164	44298	20.153	ug/l	96
65) Chlorobenzene	11.43	112	107566	20.291	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	42515	20.756	ug/l	99
67) Ethyl Benzene	11.50	91	191217	19.870	ug/l	97
68) m/p-Xylenes	11.62	106	143976	39.607	ug/l	95
69) o-Xylene	11.94	106	70542	19.822	ug/l	94
70) Styrene	11.96	104	111417	18.709	ug/l	96
71) Bromoform	12.12	173	33415	20.365	ug/l #	100
73) Isopropylbenzene	12.25	105	190705	19.722	ug/l	100
74) N-amyl acetate	12.07	43	70671	18.835	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	55587	19.830	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	48214m	21.729	ug/l	
77) Bromobenzene	12.52	156	48096	19.641	ug/l	84
78) n-propylbenzene	12.59	91	213672	19.688	ug/l	97
79) 2-Chlorotoluene	12.67	91	127538	19.753	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	157767	19.400	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	19818	19.181	ug/l	95
82) 4-Chlorotoluene	12.77	91	128140	19.787	ug/l	96
83) tert-Butylbenzene	12.99	119	139043	19.769	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	158016	19.641	ug/l	98
85) sec-Butylbenzene	13.17	105	182496	19.749	ug/l	99
86) p-Isopropyltoluene	13.29	119	164648	19.256	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	85037	19.992	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	83465	19.670	ug/l	98
89) n-Butylbenzene	13.61	91	144453	19.814	ug/l	99
90) Hexachloroethane	13.87	117	30555	19.100	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	84045	19.986	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11688	18.093	ug/l	87

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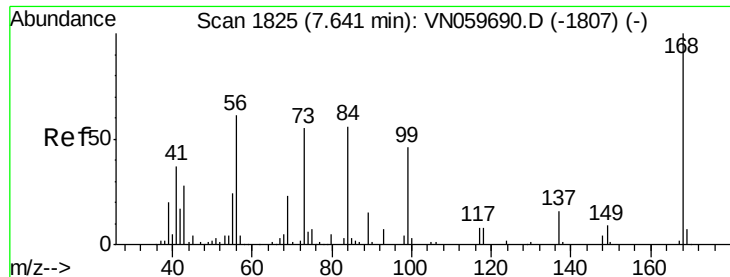
Manual Integrations
APPROVED

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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	48881	19.345	ug/l	99
94) Hexachlorobutadiene	15.01	225	27096	19.460	ug/l	99
95) Naphthalene	15.13	128	132062	18.375	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	48035	19.531	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Instrument :

MSVOA_N

ClientSampled :

VN0204WBS01

Tot Ion:168 Resp: 189648

Ion Ratio Lower Upper

168 100

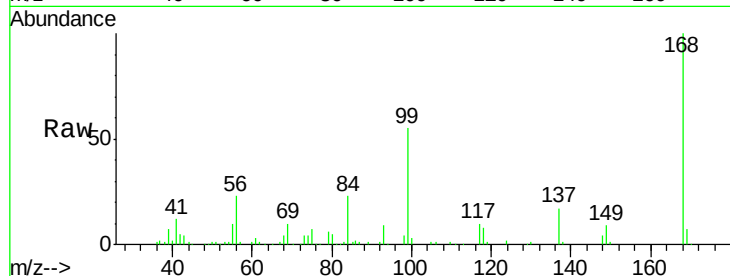
99 54.9 48.2 72.4

Manual Integrations

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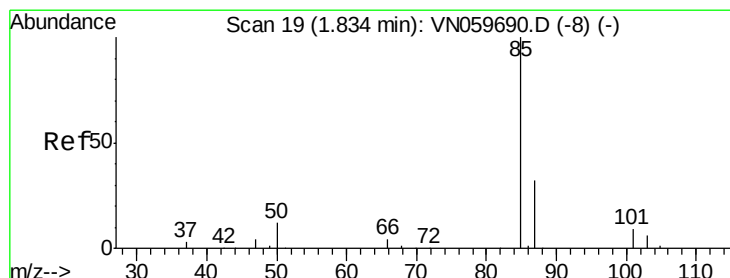
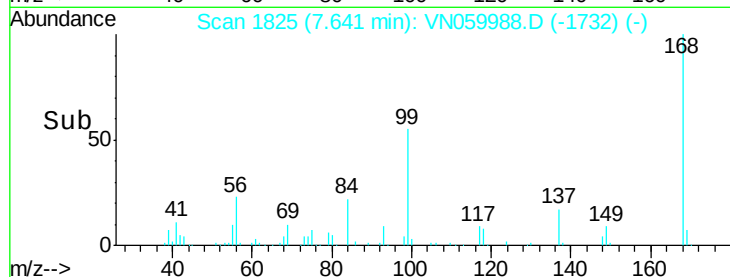
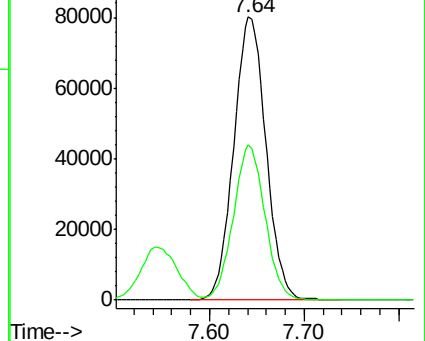
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 16.423 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059988.D

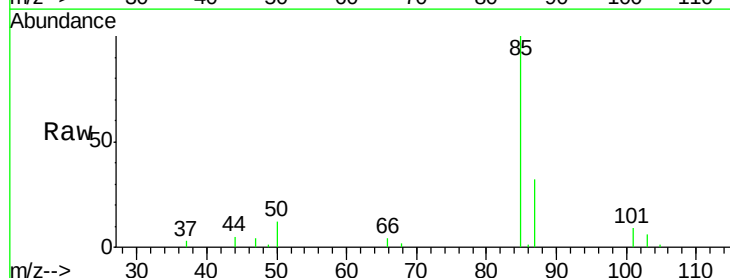
Acq: 4 Feb 2020 12:29

Tgt Ion: 85 Resp: 37505

Ion Ratio Lower Upper

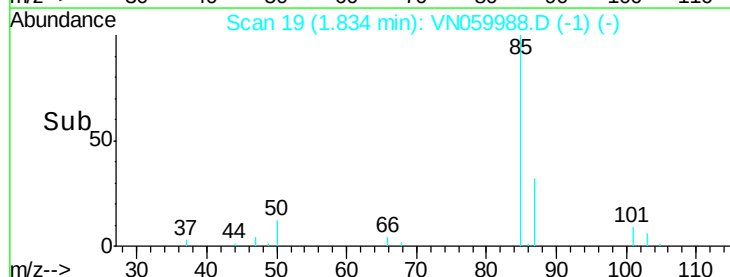
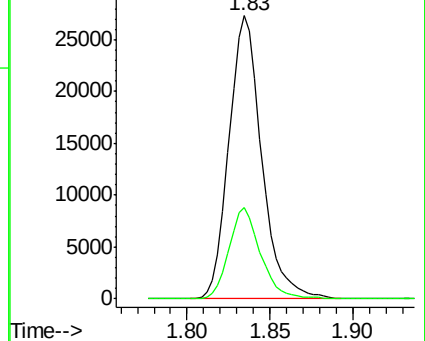
85 100

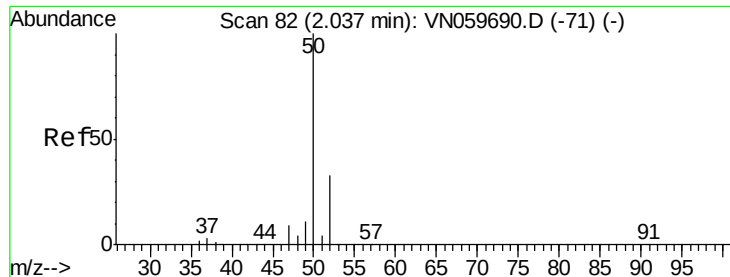
87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.381 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBS01

Tot Ion: 50 Resp: 37739

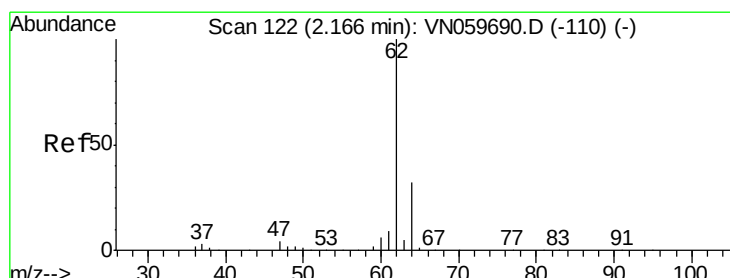
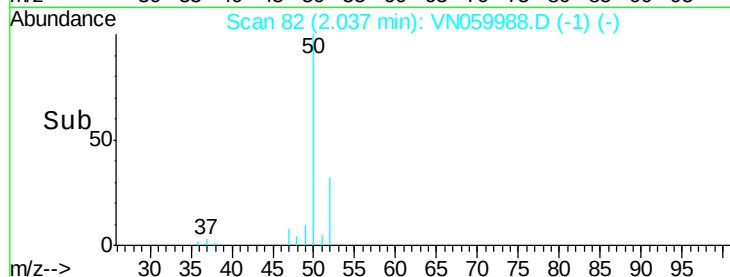
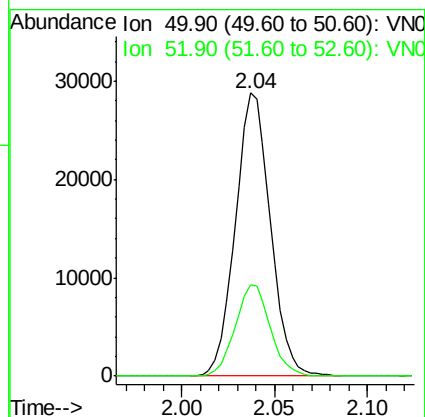
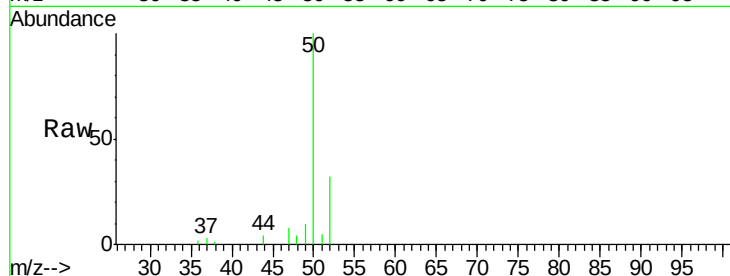
Ion Ratio Lower Upper

50 100

52 32.4 25.9 38.9

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#4

Vinyl Chloride

Concen: 19.639 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059988.D

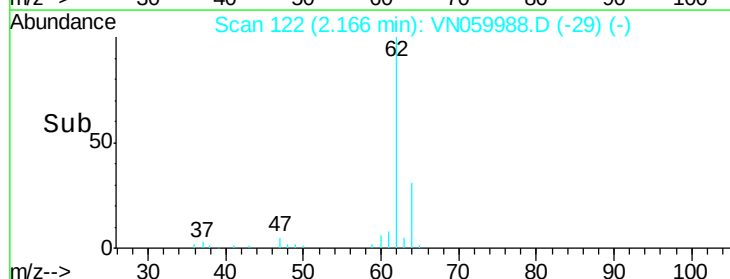
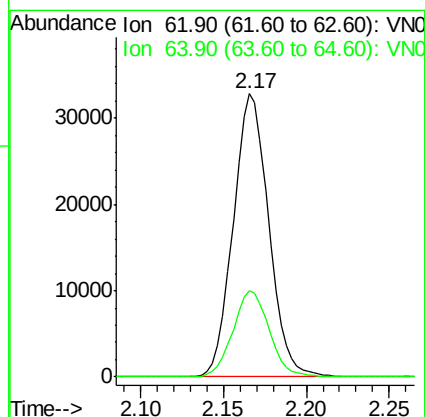
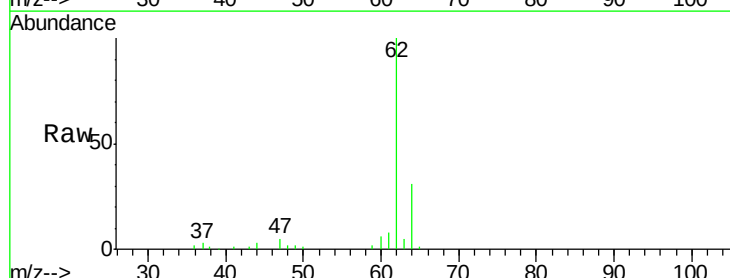
Acq: 4 Feb 2020 12:29

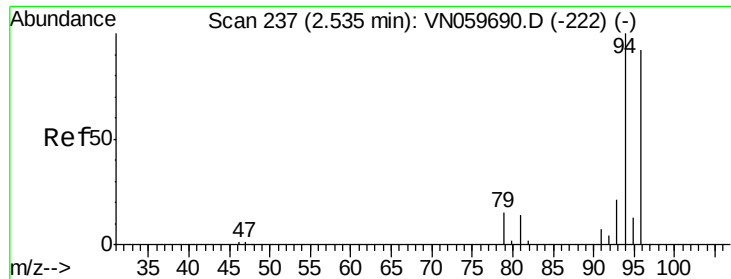
Tgt Ion: 62 Resp: 48789

Ion Ratio Lower Upper

62 100

64 30.7 24.6 37.0





#5

Bromomethane

Concen: 20.179 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBS01

Tot Ion: 94 Resp: 30593

Ion Ratio Lower Upper

94 100

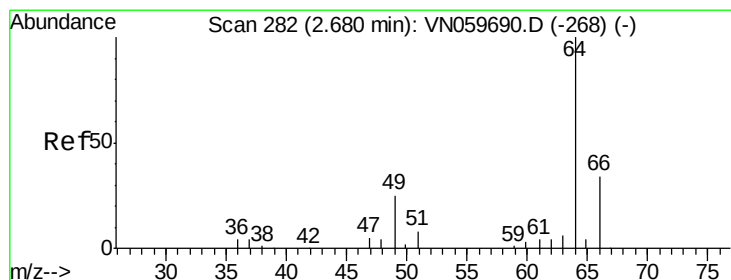
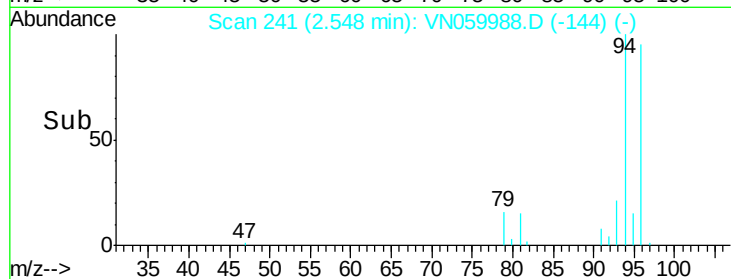
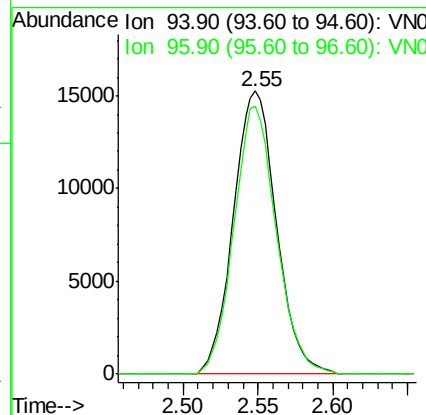
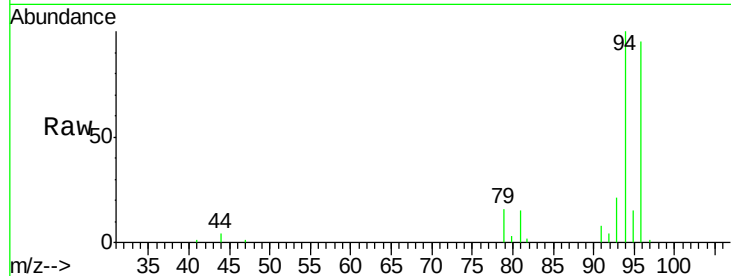
96 94.7 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 19.504 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059988.D

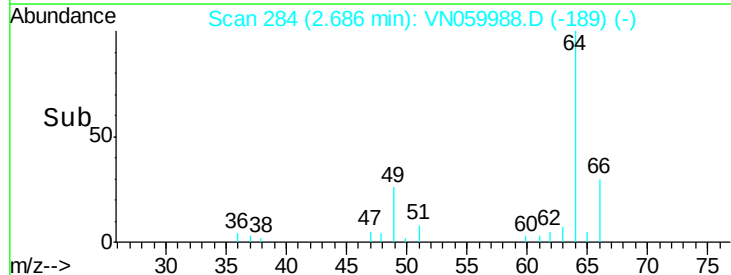
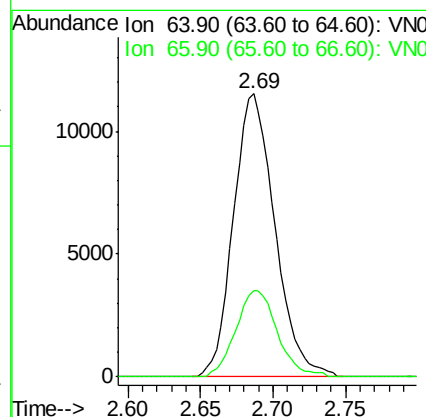
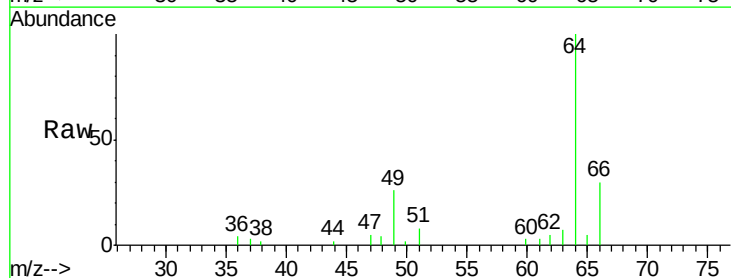
Acq: 4 Feb 2020 12:29

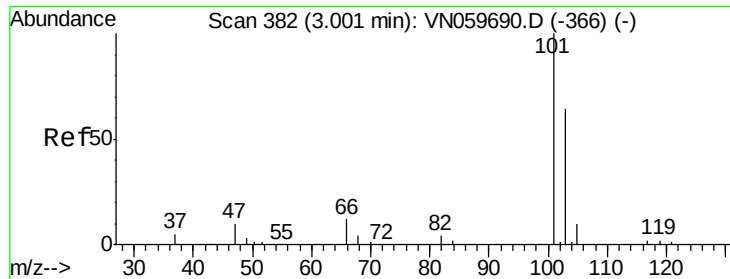
Tgt Ion: 64 Resp: 22923

Ion Ratio Lower Upper

64 100

66 30.4 25.1 37.7





#7

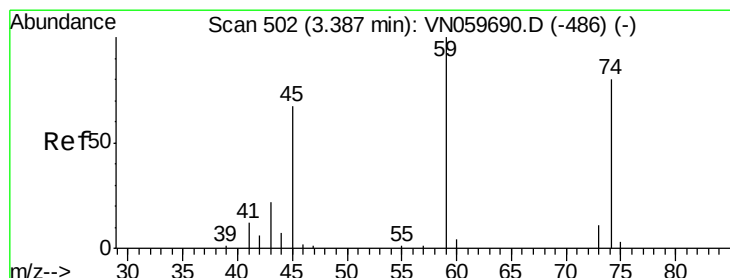
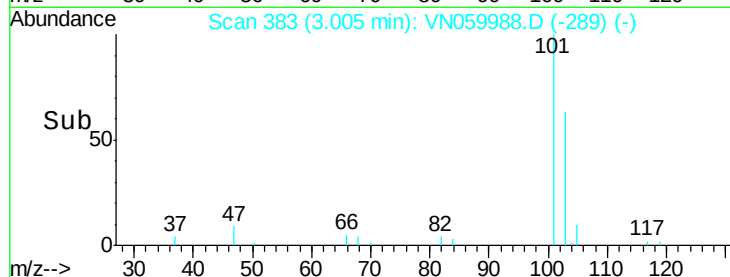
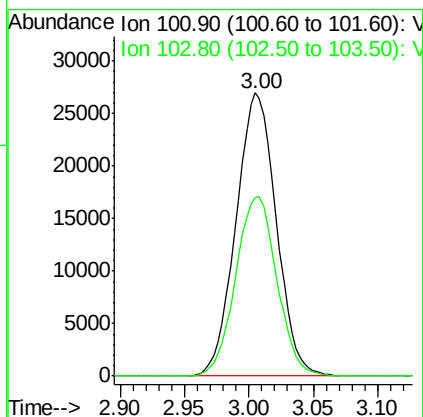
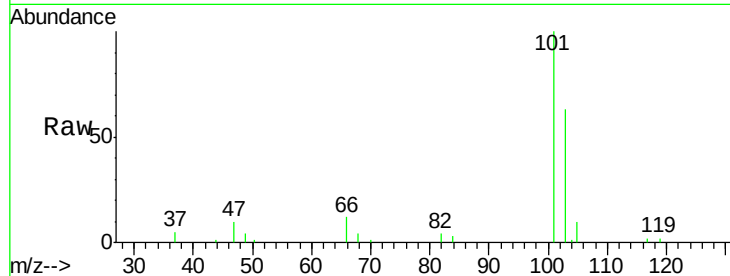
Trichlorofluoromethane
 Concen: 19.655 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.0	76.6

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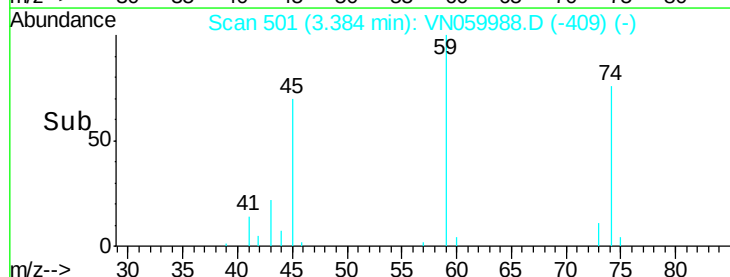
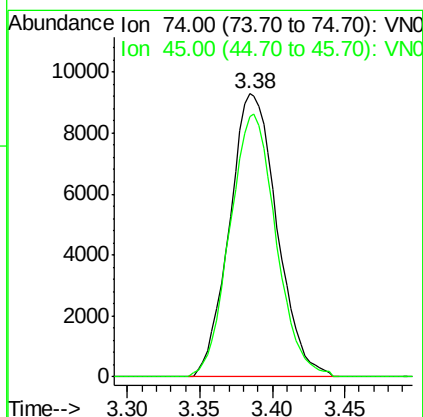
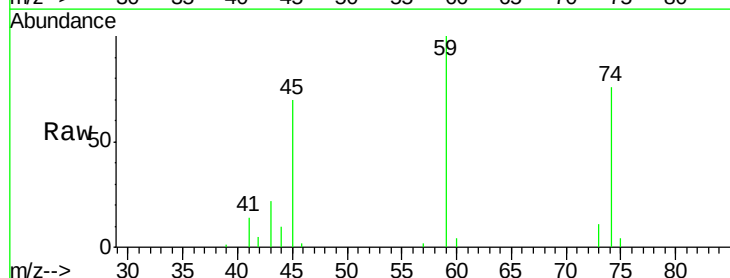
MMDadoda
 2/5/2020 12:21:02 PM

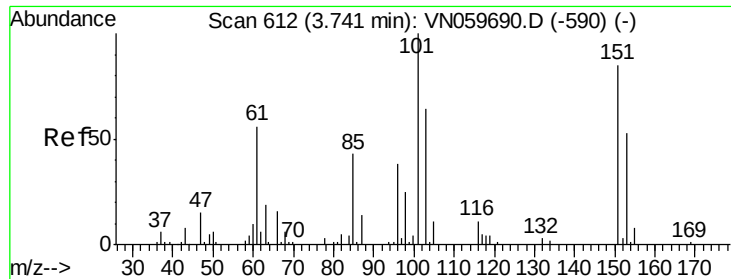


#8

Diethyl Ether
 Concen: 20.174 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.2	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.258 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Instrument :

MSVOA_N

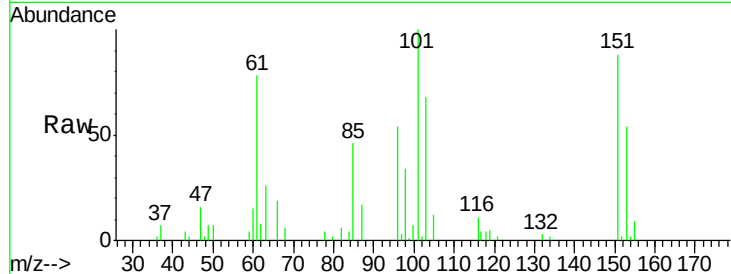
ClientSampled :

VN0204WBS01

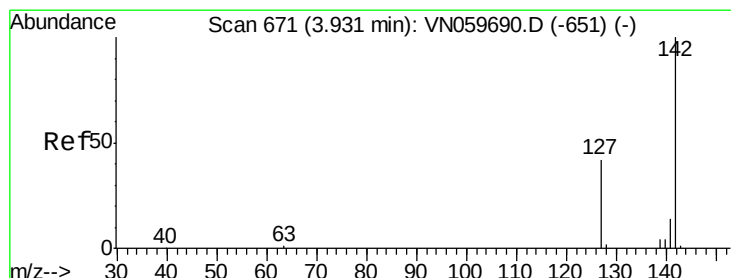
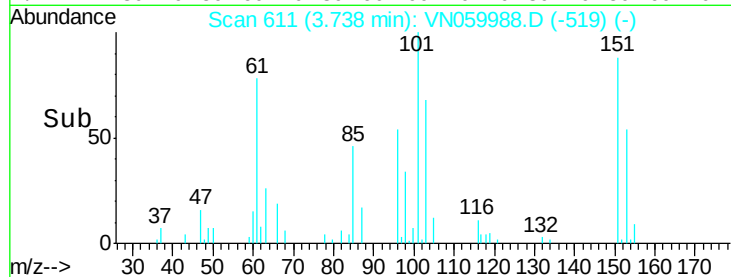
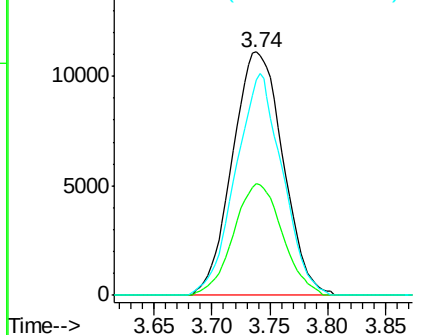
Tot Ion:	101	Resp:	33638
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.6	54.8
151	84.4	59.7	89.5

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



#10

Methyl Iodide

Concen: 15.239 ug/l

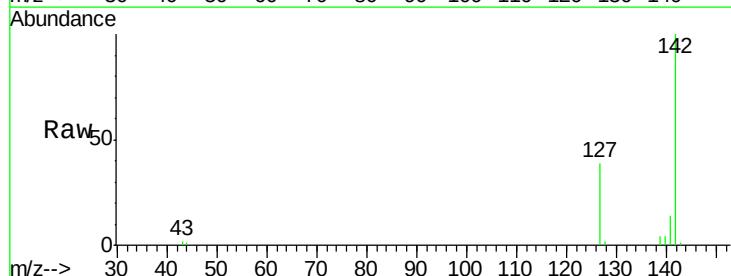
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

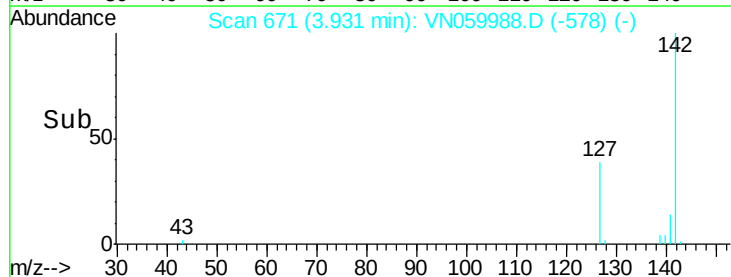
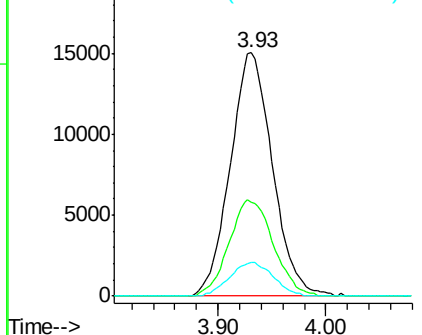
Lab File: VN059988.D

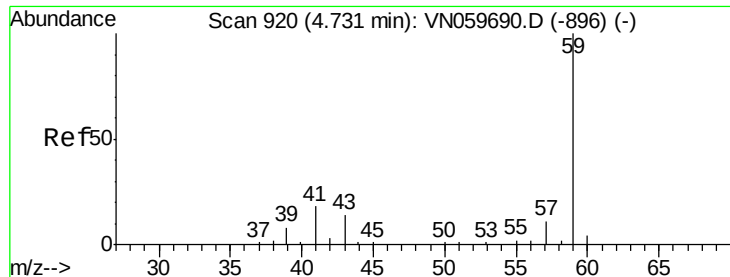
Acq: 4 Feb 2020 12:29

Tgt Ion:	142	Resp:	40901
Ion Ratio	Lower	Upper	
142	100		
127	41.3	36.7	55.1
141	14.2	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





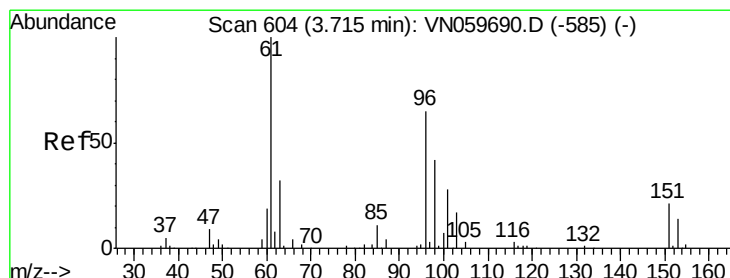
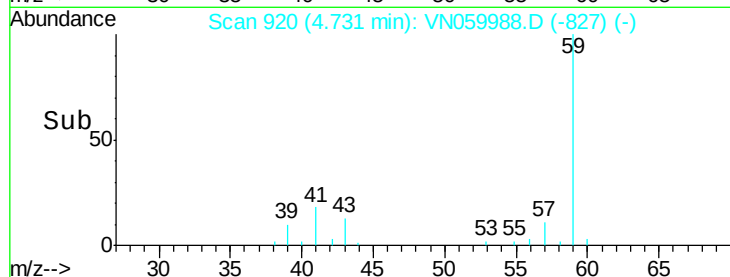
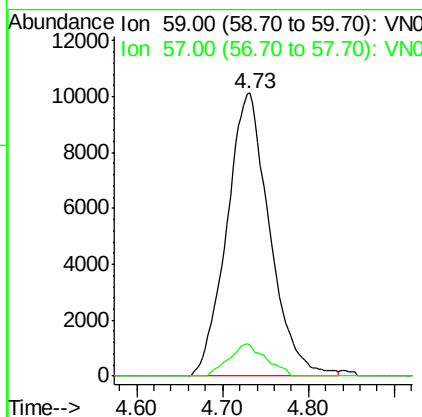
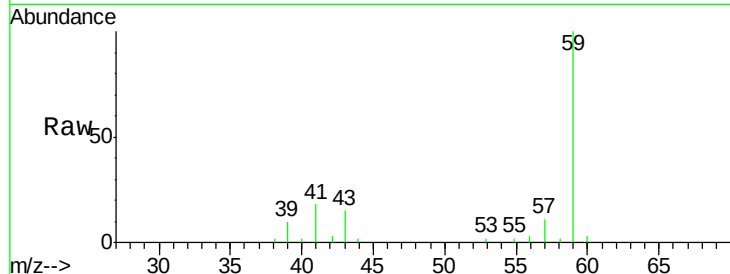
#11
Tert butyl alcohol
Concen: 98.782 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion	59	57	Ratio	100	9.8	Resp:	35023	Lower	Upper
59	100								
57		9.8						8.6	12.8

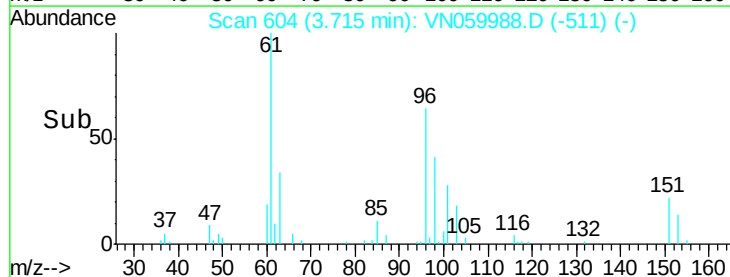
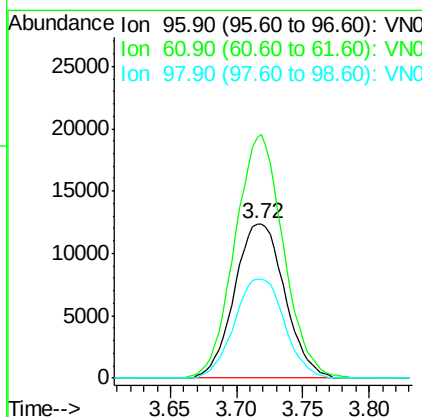
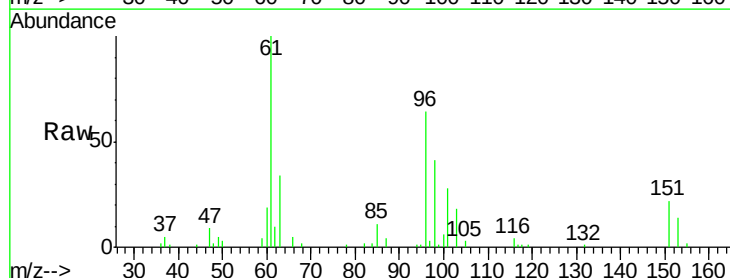
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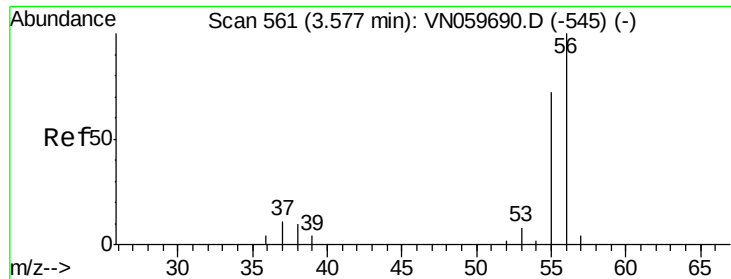
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#12
1,1-Dichloroethene
Concen: 18.810 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion	96	61	98	Ratio	100	155.7	64.2	Resp:	32636	Lower	Upper
96	100										
61		155.7								137.5	206.3
98		64.2								50.2	75.4





#13

Acrolein

Concen: 52.558 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBS01

Tot Ion: 56 Resp: 13191

Ion Ratio Lower Upper

56 100

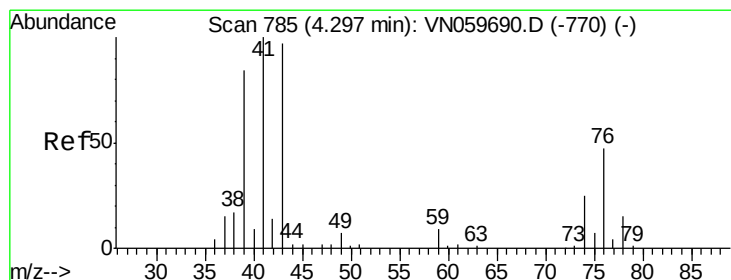
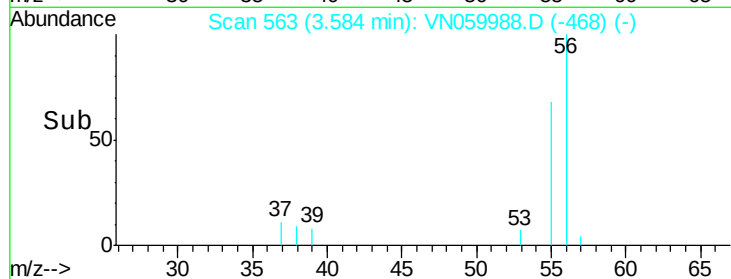
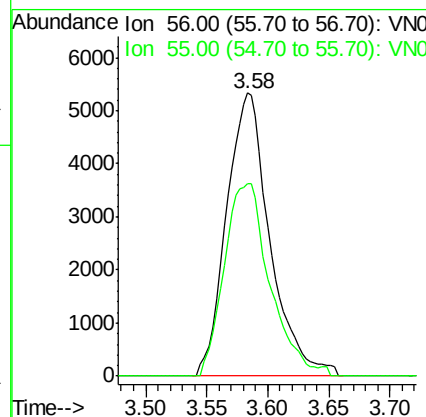
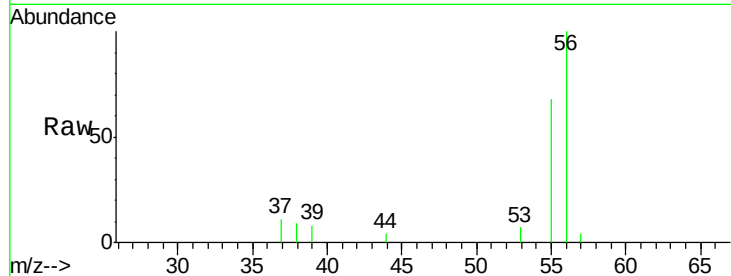
55 71.9 58.6 88.0

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#14

Allyl chloride

Concen: 19.703 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

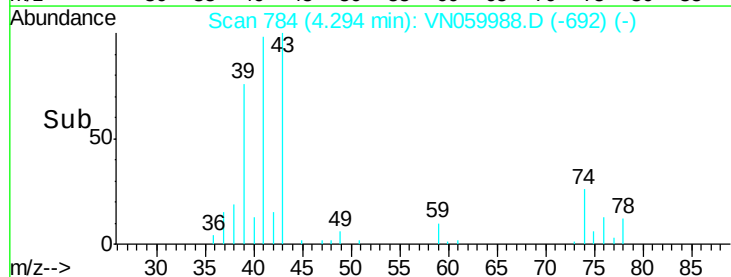
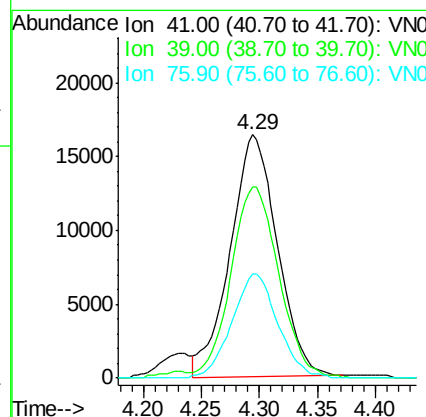
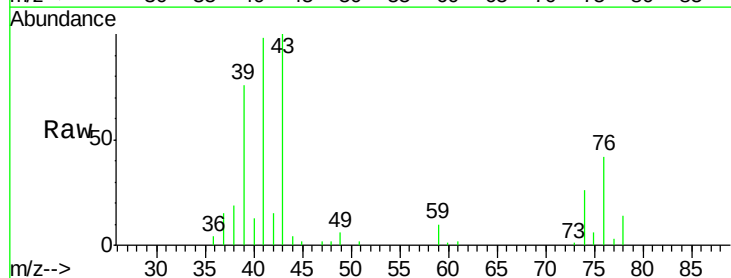
Tgt Ion: 41 Resp: 46079

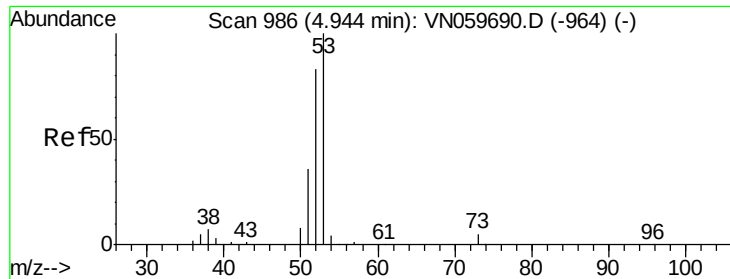
Ion Ratio Lower Upper

41 100

39 80.9 57.8 86.8

76 42.0 25.4 38.0#





#15

Acrylonitrile

Concen: 101.582 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Instrument :

MSVOA_N

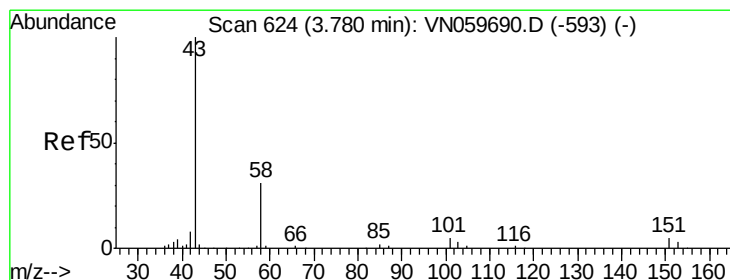
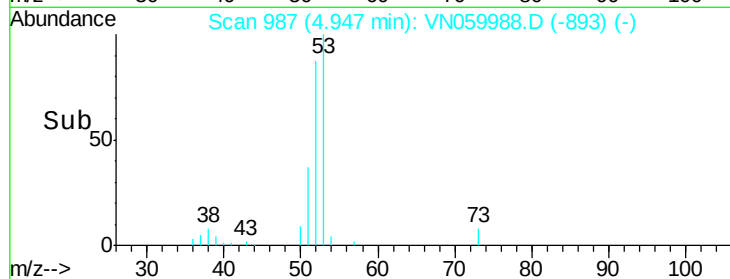
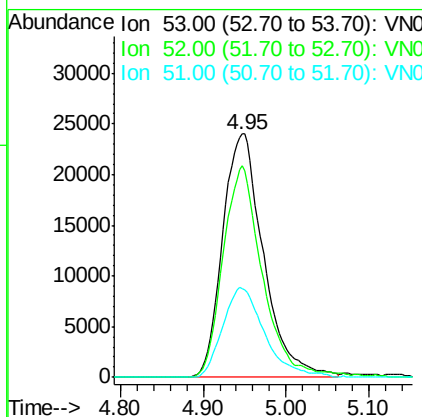
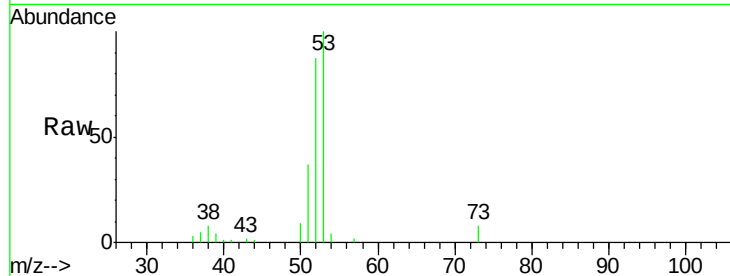
ClientSampled :

VN0204WBS01

Tot Ion:	53	Resp:	82155
Ion Ratio	Lower	Upper	
53	100		
52	83.7	66.3	99.5
51	37.4	29.7	44.5

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#16

Acetone

Concen: 112.017 ug/l

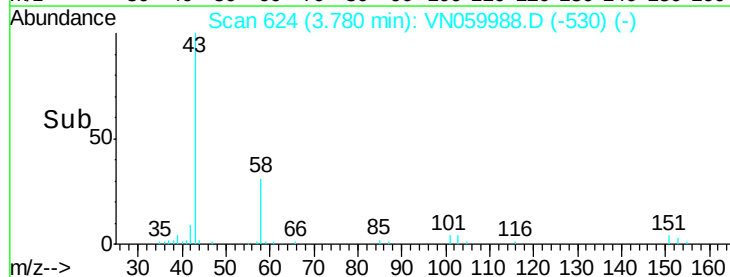
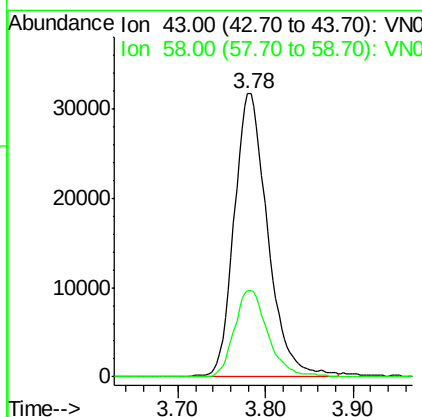
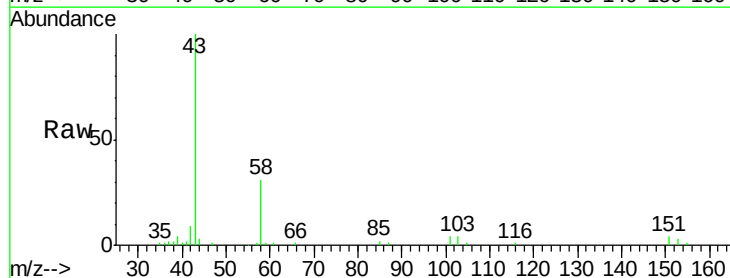
RT: 3.78 min Scan# 624

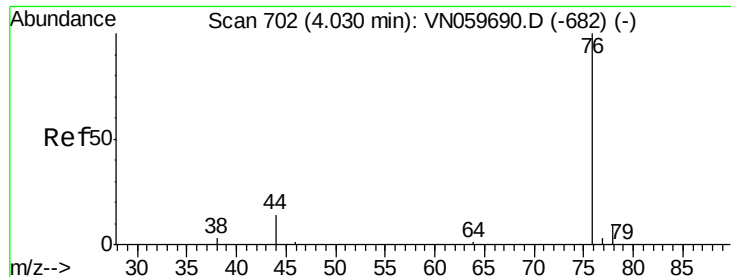
Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Tgt Ion:	43	Resp:	84434
Ion Ratio	Lower	Upper	
43	100		
58	30.7	23.6	35.4





#17

Carbon Disulfide

Concen: 15.779 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Instrument :

MSVOA_N

ClientSampled :

VN0204WBS01

Tot Ion: 76 Resp: 77991

Ion Ratio Lower Upper

76 100

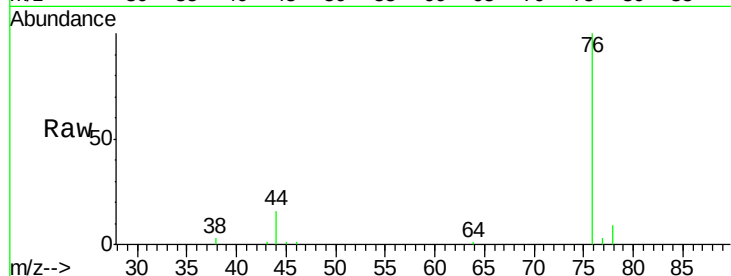
78 8.8 7.4 11.0

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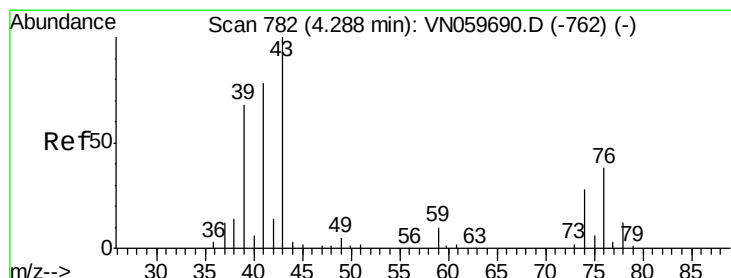
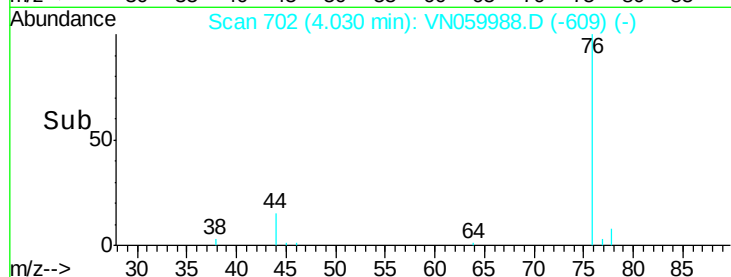
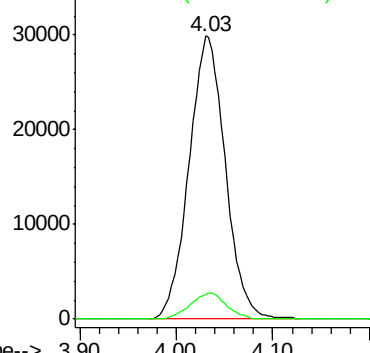
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.871 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059988.D

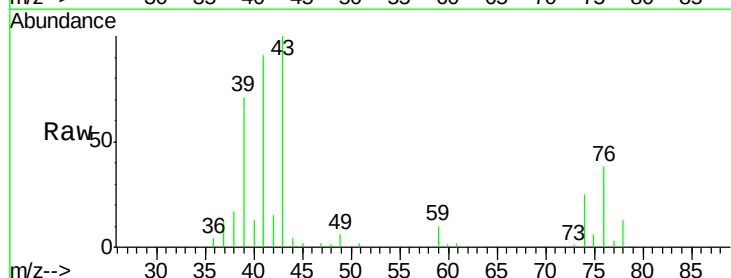
Acq: 4 Feb 2020 12:29

Tgt Ion: 43 Resp: 51344

Ion Ratio Lower Upper

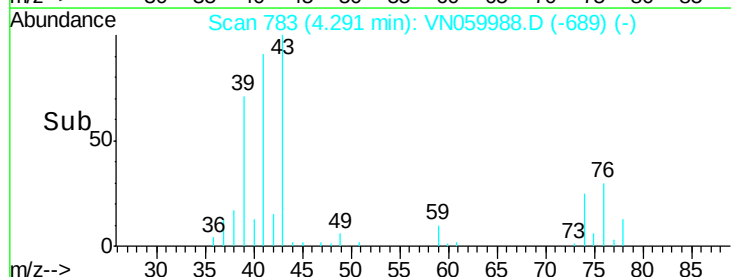
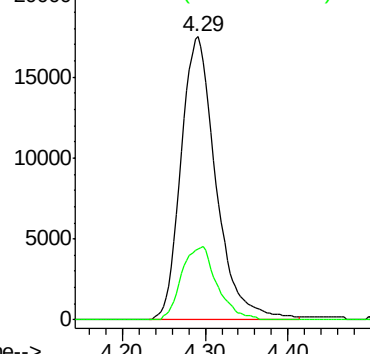
43 100

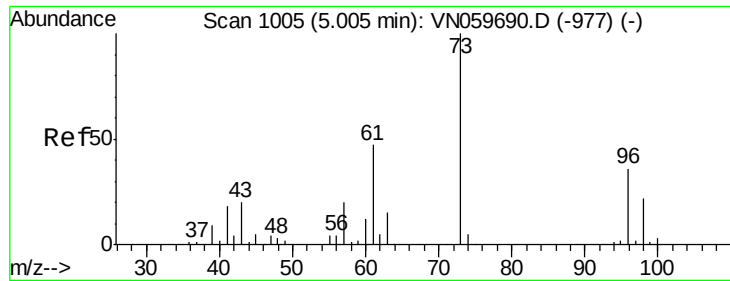
74 26.1 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





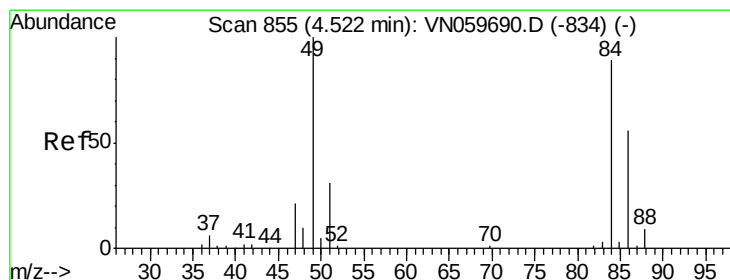
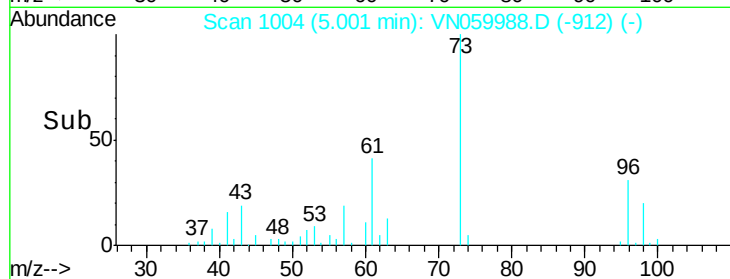
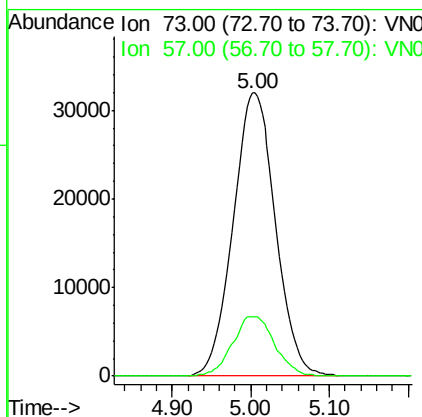
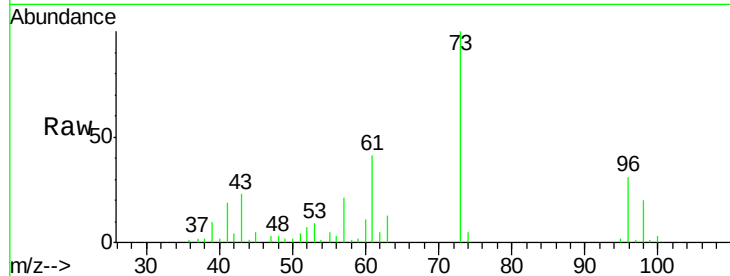
#19
Methyl tert-butyl Ether
Concen: 21.277 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion: 73 Resp: 120364
Ion Ratio Lower Upper
73 100
57 20.9 18.6 27.8

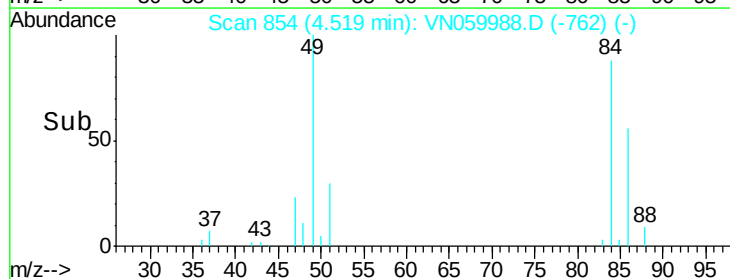
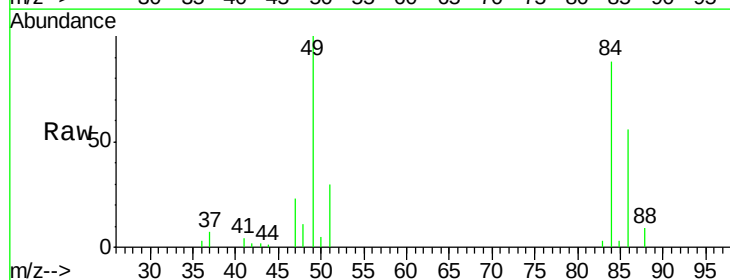
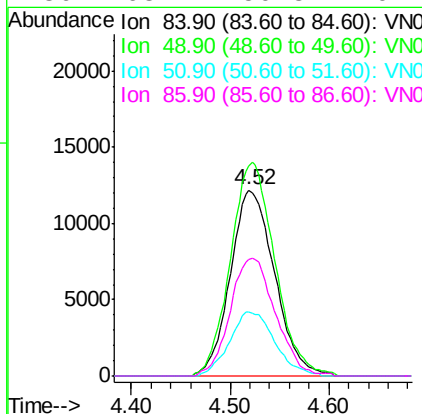
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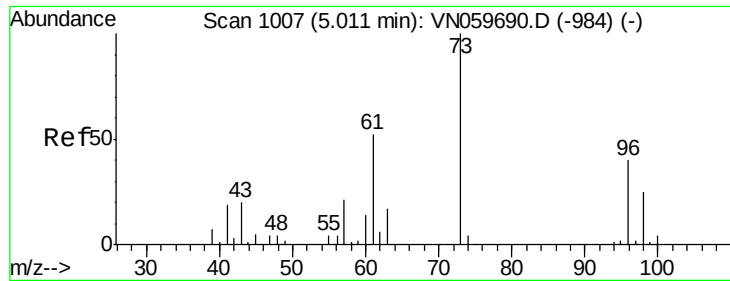
MMDadoda
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#20
Methylene Chloride
Concen: 19.183 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion: 84 Resp: 38071
Ion Ratio Lower Upper
84 100
49 113.4 106.6 160.0
51 34.3 31.9 47.9
86 63.1 50.8 76.2





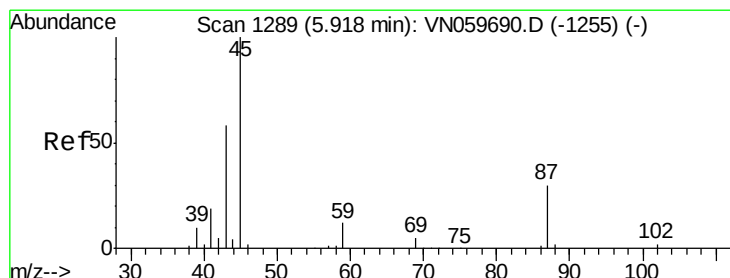
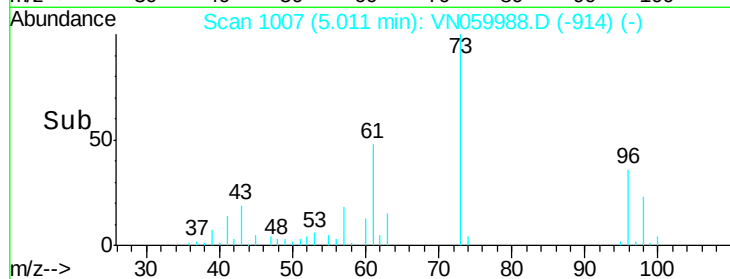
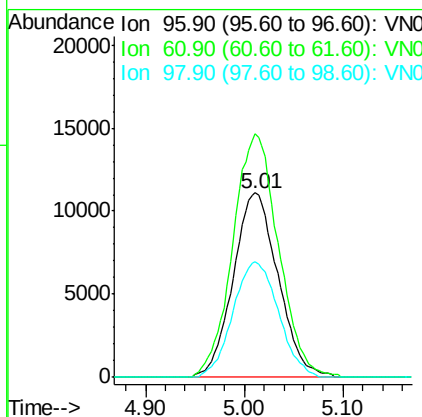
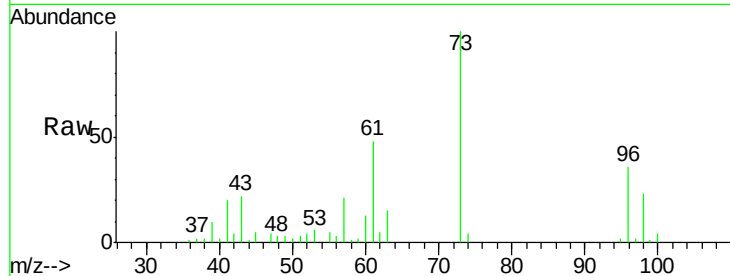
#21
trans-1,2-Dichloroethene
Concen: 19.001 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.0	120.4	180.6
98	62.7	50.6	75.8

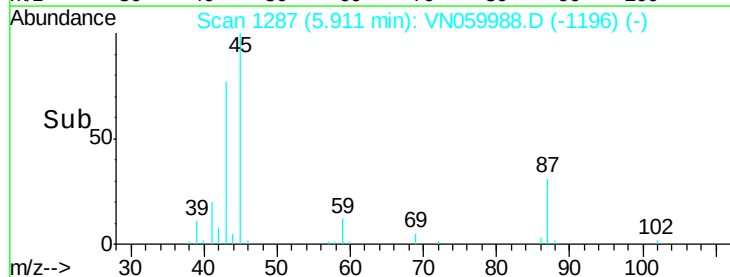
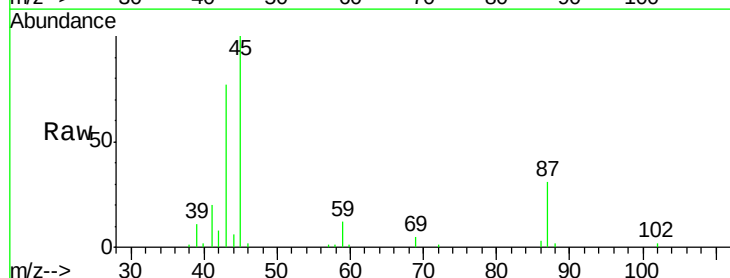
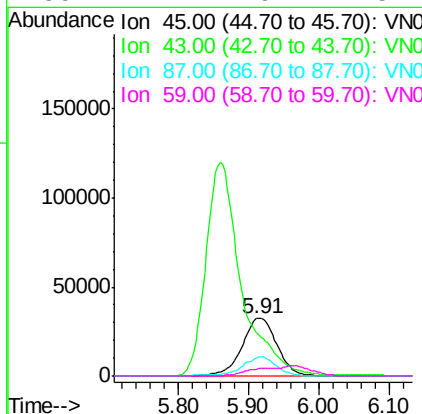
Manual Integrations
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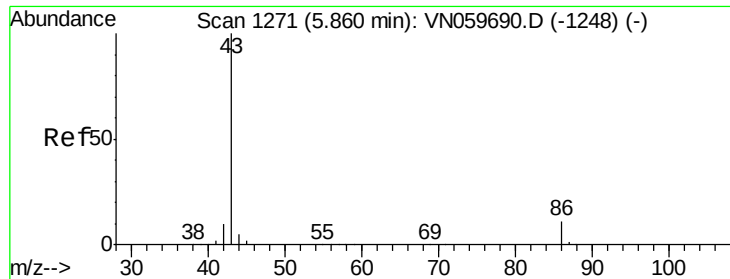
MMDadoda
2/5/2020 12:21:02 PM



#22
Diisopropyl ether
Concen: 21.052 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	75.5	50.8	76.2
87	31.5	21.0	31.6
59	12.4	9.1	13.7





#23

Vinyl Acetate

Concen: 102.366 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Instrument :

MSVOA_N

ClientSampled :

VN0204WBS01

Tot Ion: 43 Resp: 420047

Ion Ratio Lower Upper

43 100

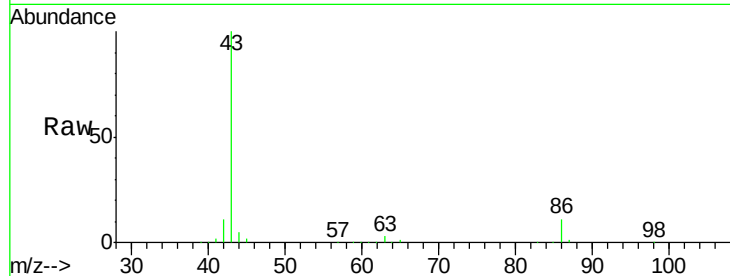
86 11.2 7.6 11.4

Manual Integrations

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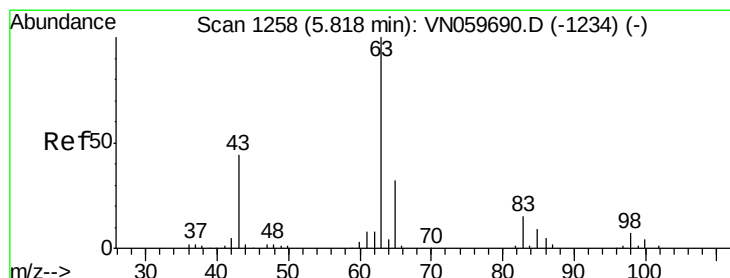
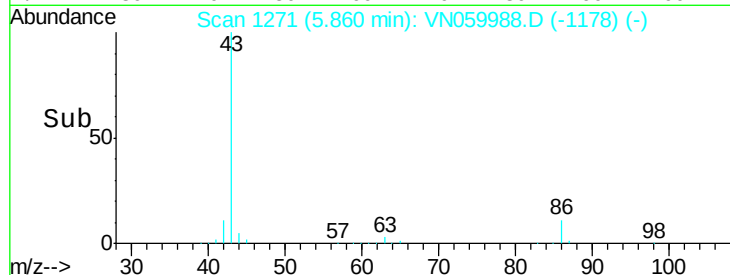
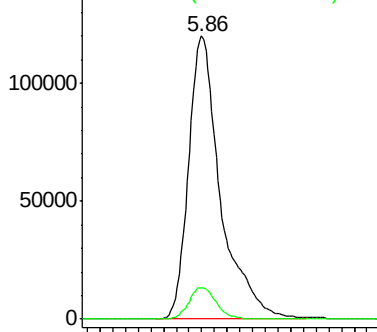
MMDadoda

2/5/2020 12:21:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.884 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

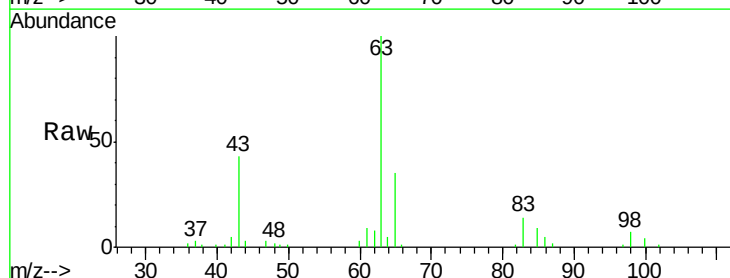
Tgt Ion: 63 Resp: 64393

Ion Ratio Lower Upper

63 100

98 7.5 2.9 8.7

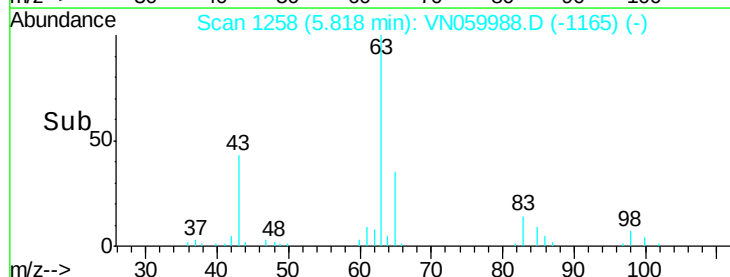
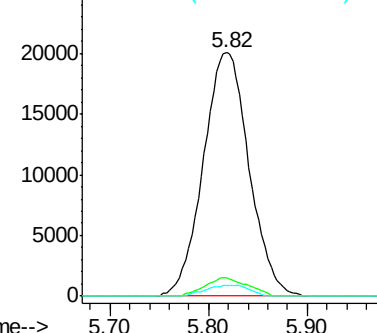
100 4.3 2.0 6.0

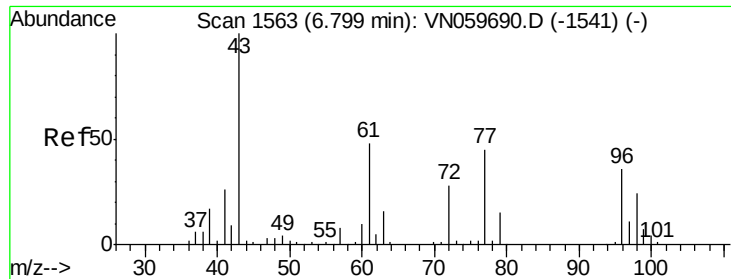


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





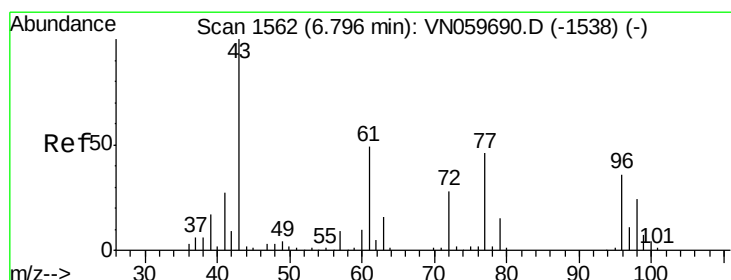
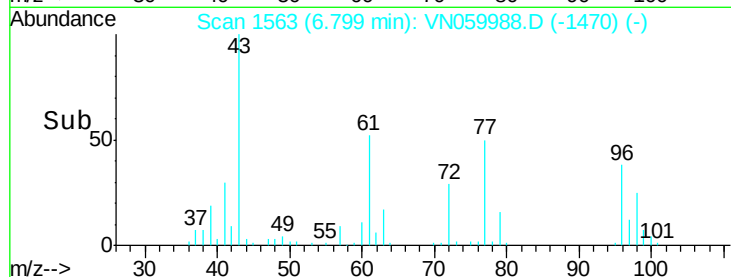
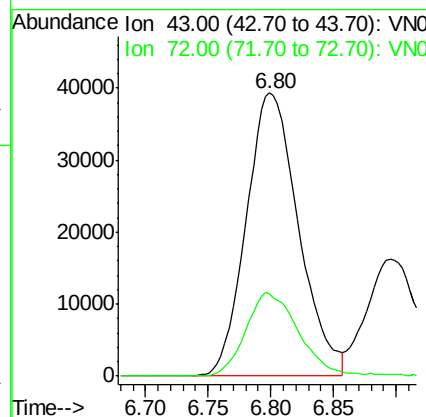
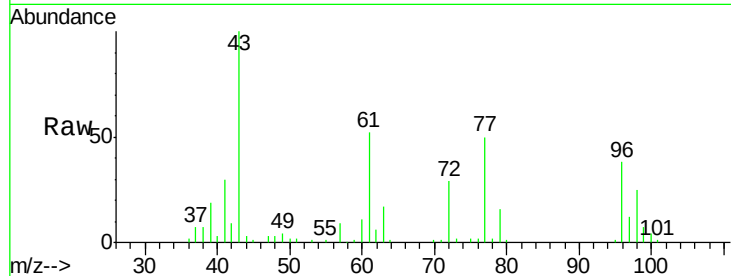
#25
2-Butanone
Concen: 95.687 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion: 43 Resp: 114123
Ion Ratio Lower Upper
43 100
72 28.9 19.9 29.9

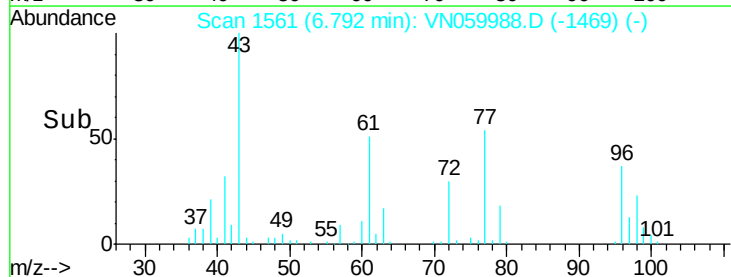
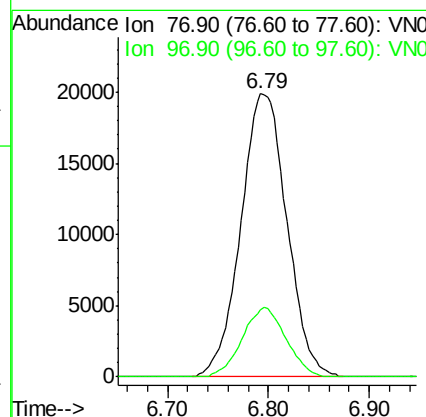
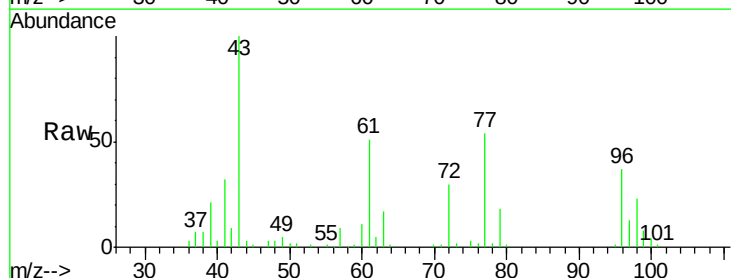
Manual Integrations
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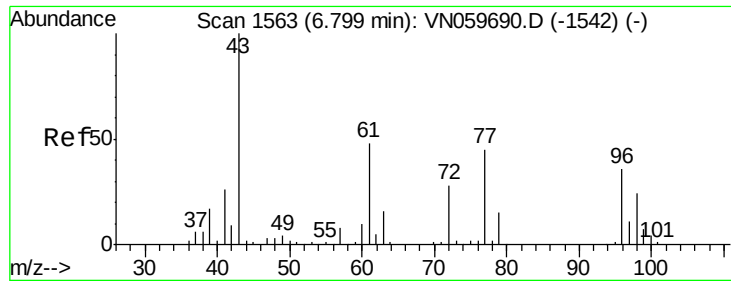
MMDadoda
2/5/2020 12:21:02 PM



#26
2,2-Dichloropropane
Concen: 20.218 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion: 77 Resp: 62943
Ion Ratio Lower Upper
77 100
97 23.3 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.264 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Instrument :

MSVOA_N

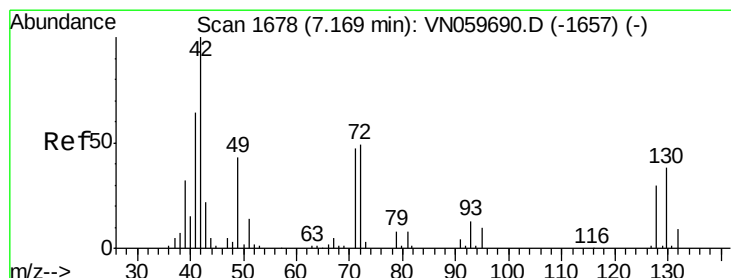
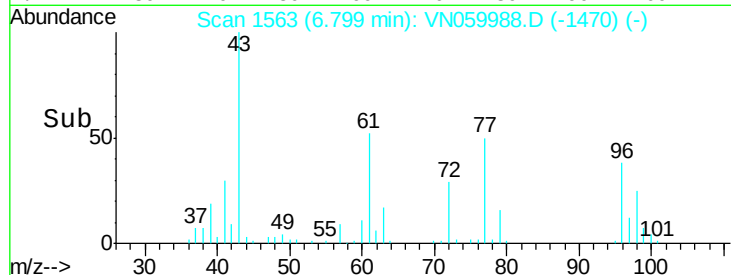
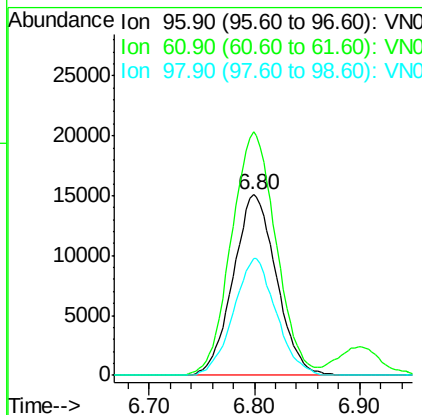
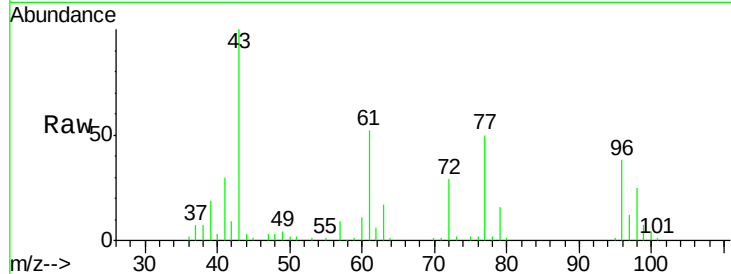
ClientSampled :

VN0204WBS01

Tot Ion:	96	Resp:	42987
Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	317.6
98	63.6	0.0	127.0

Manual Integrations
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MMDadoda
2/5/2020 12:21:02 PM



#28

Bromochloromethane

Concen: 20.871 ug/l

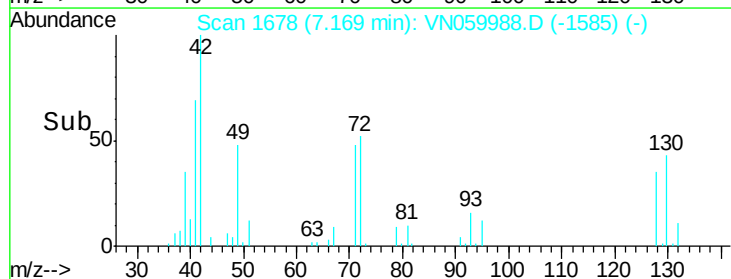
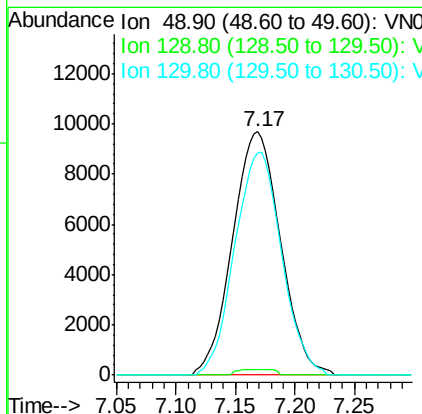
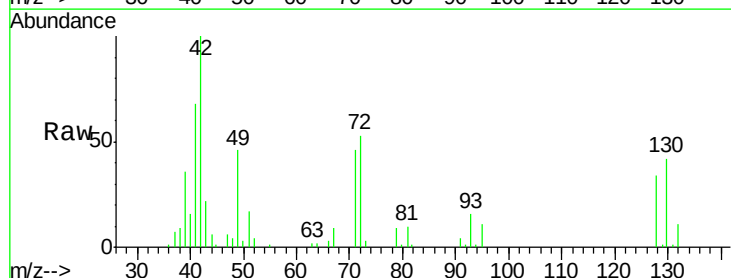
RT: 7.17 min Scan# 1678

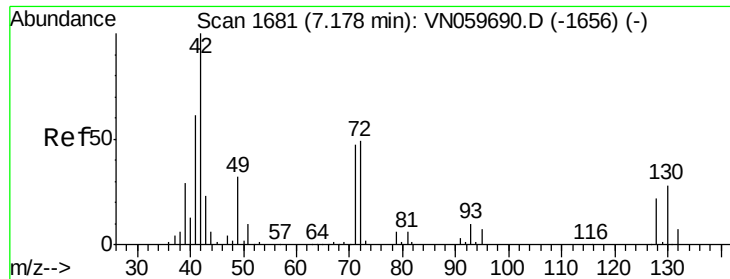
Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Tgt Ion:	49	Resp:	27014
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	89.5	54.7	82.1#





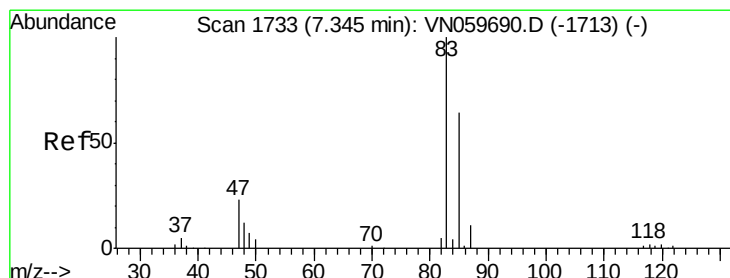
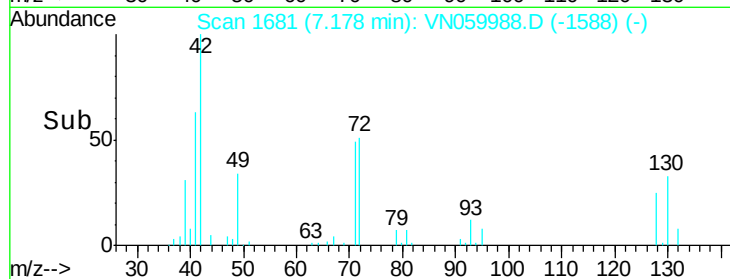
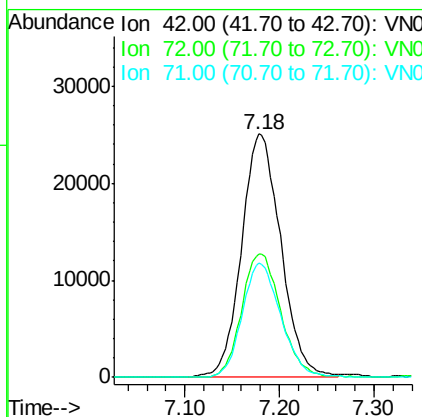
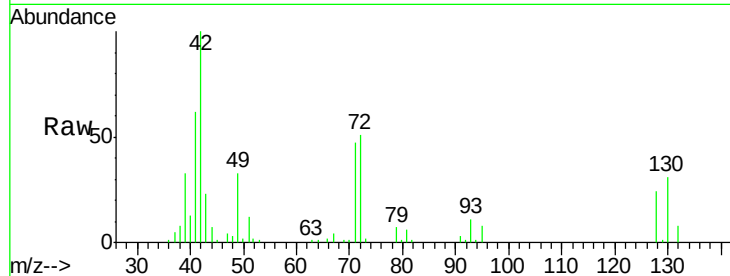
#29
Tetrahydrofuran
Concen: 98.342 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.1	33.1	49.7#
71	46.0	31.4	47.0

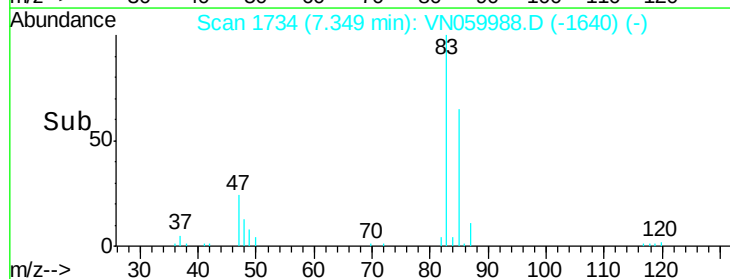
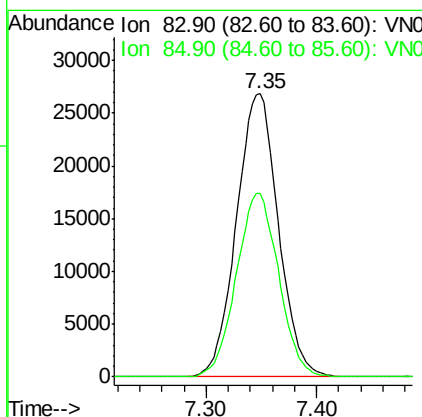
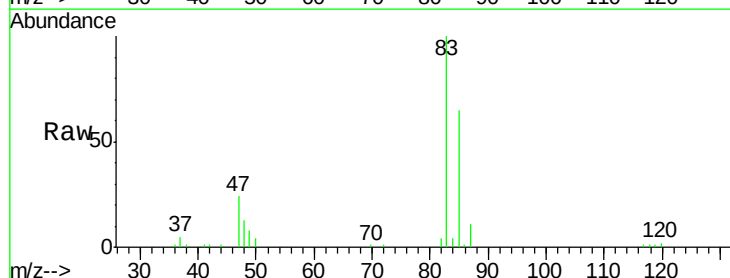
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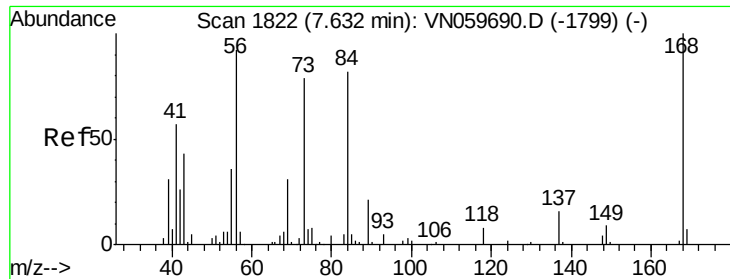
MMDadoda
2/5/2020 12:21:02 PM



#30
Chloroform
Concen: 21.022 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.4	78.6





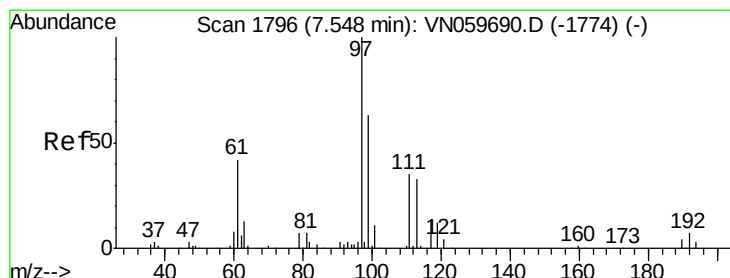
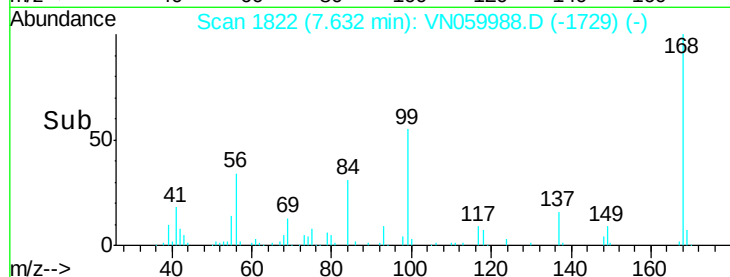
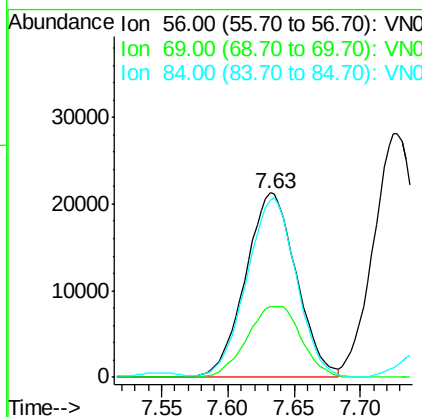
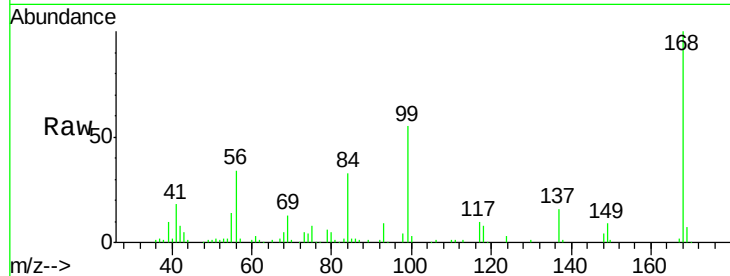
#31
Cyclohexane
Concen: 18.274 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	26.5	39.7
84	94.9	65.3	97.9

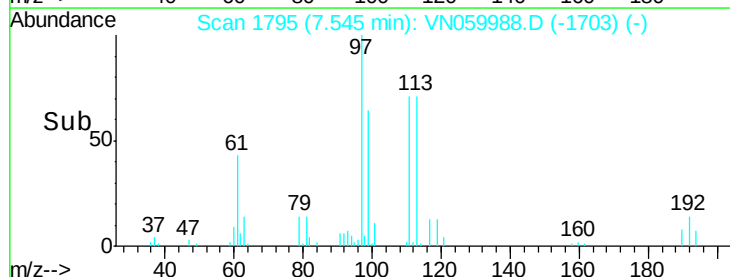
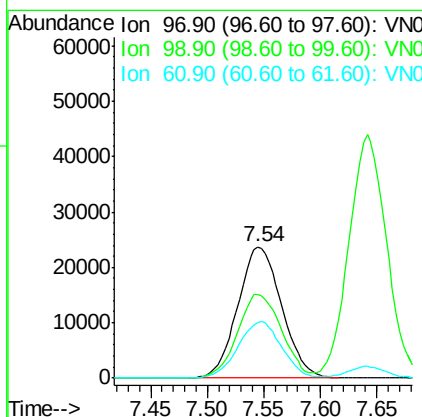
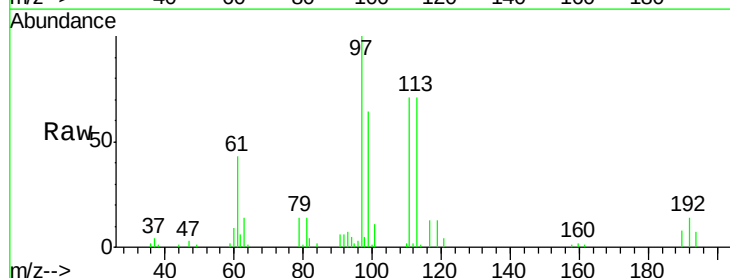
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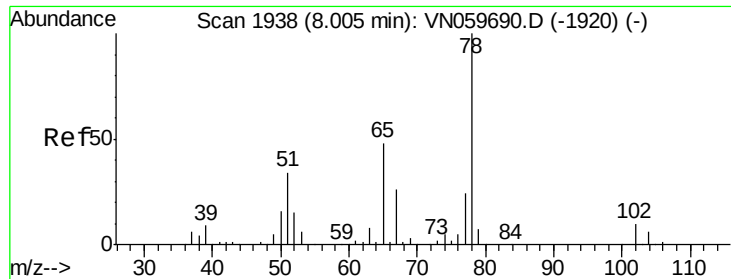
MMDadoda
2/5/2020 12:21:02 PM



#32
1,1,1-Trichloroethane
Concen: 20.633 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.4
61	42.6	38.5	57.7





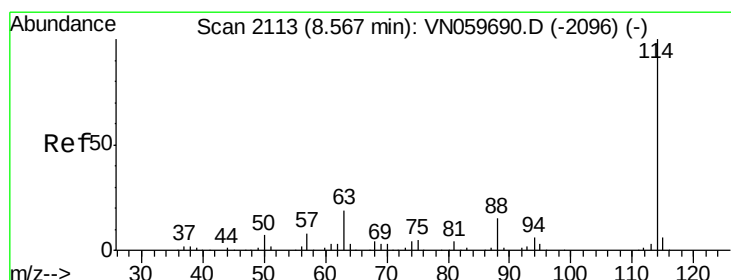
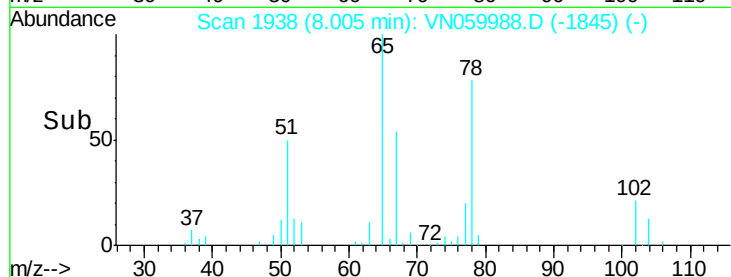
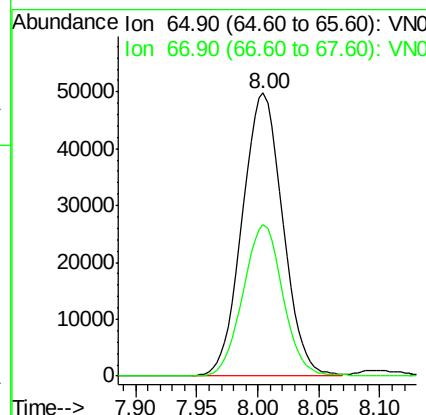
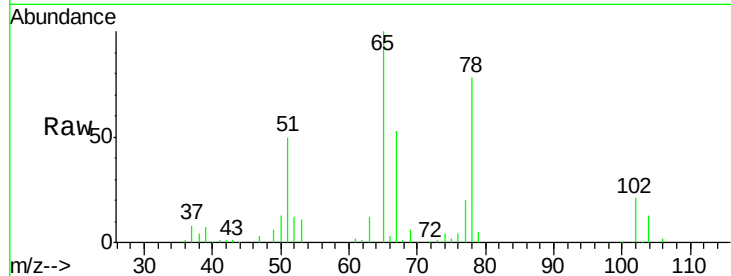
#33
 1,2-Dichloroethane-d4
 Concen: 54.510 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.5	0.0	103.0	

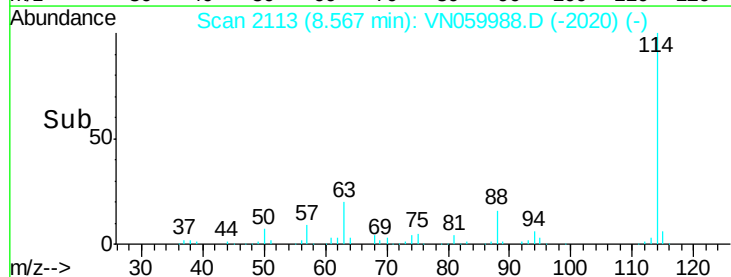
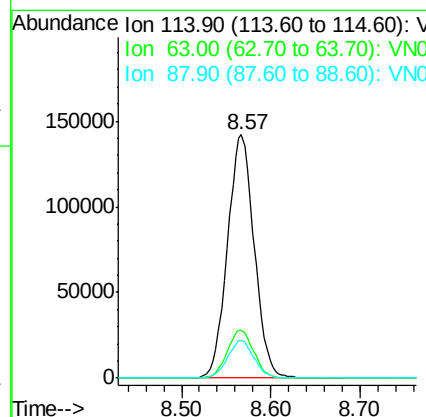
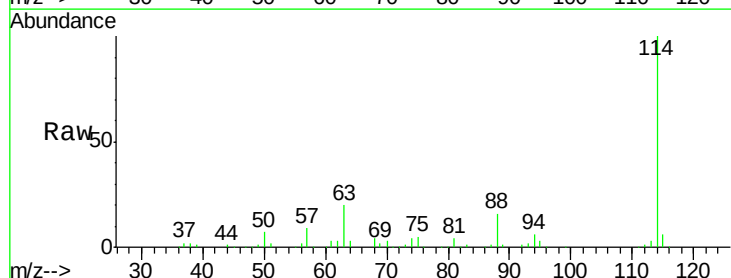
Manual Integrations
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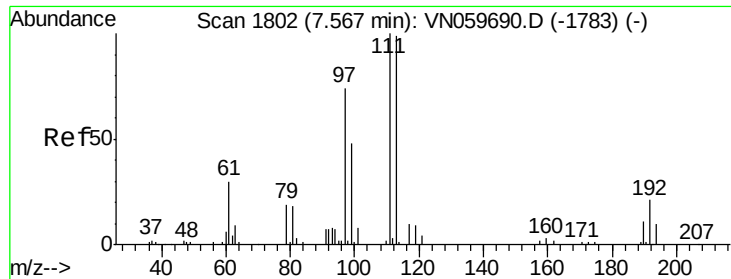
MMDadoda
 2/5/2020 12:21:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	43.6	
88	15.5	0.0	31.4	





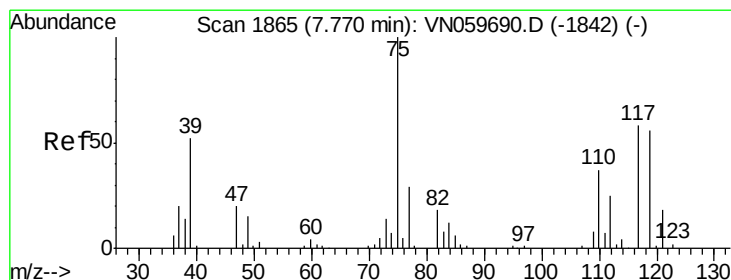
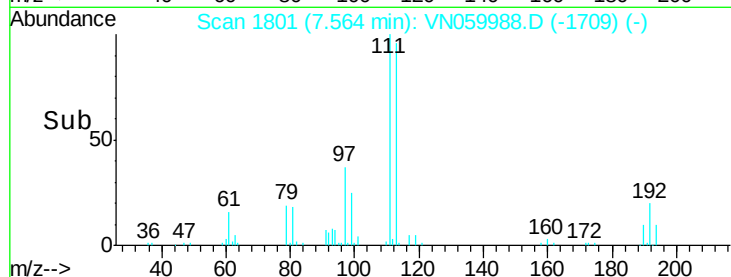
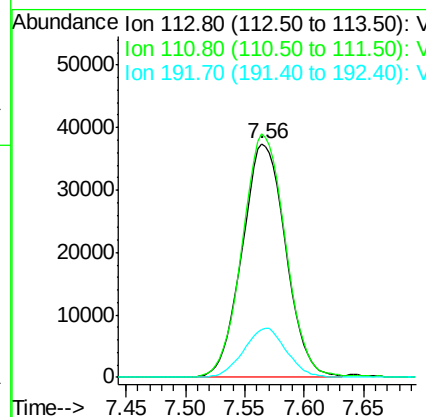
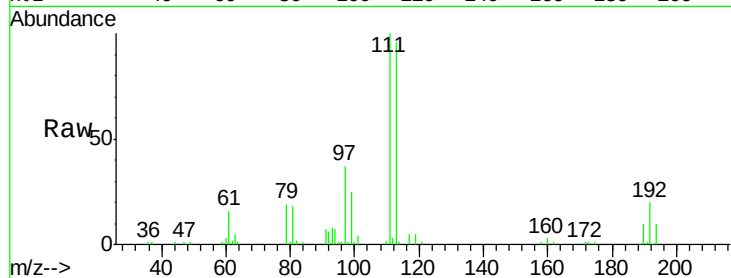
#35
 Dibromofluoromethane
 Concen: 54.053 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.5	125.3
192	20.6	15.4	23.2

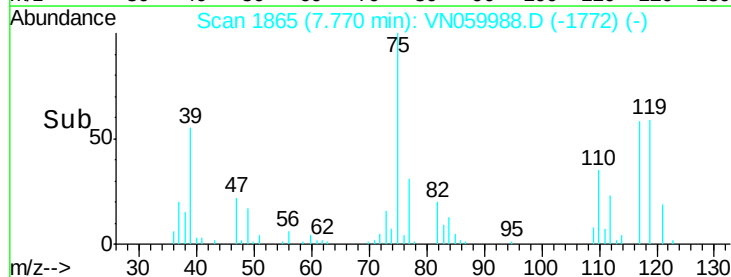
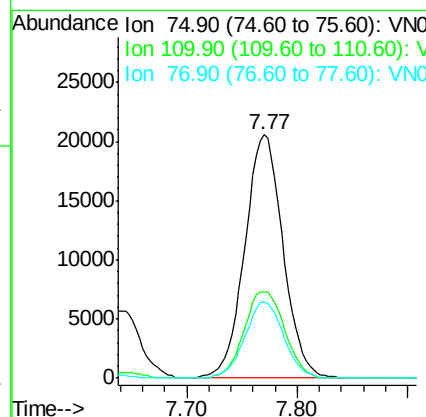
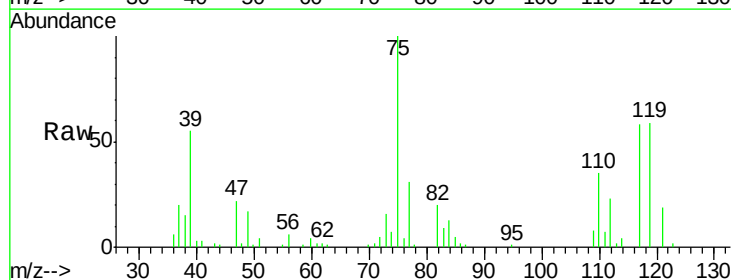
Manual Integrations
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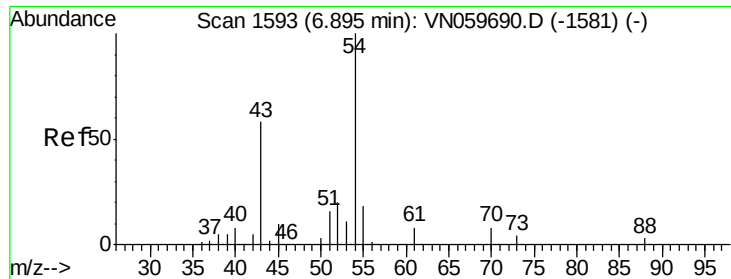
MMDadoda
 2/5/2020 12:21:02 PM



#36
 1,1-Dichloropropene
 Concen: 19.301 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	16.6	49.7
77	31.5	25.1	37.7





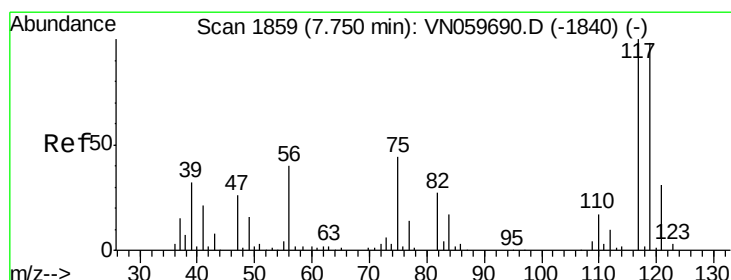
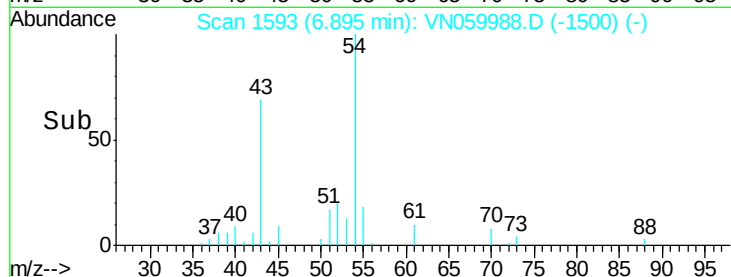
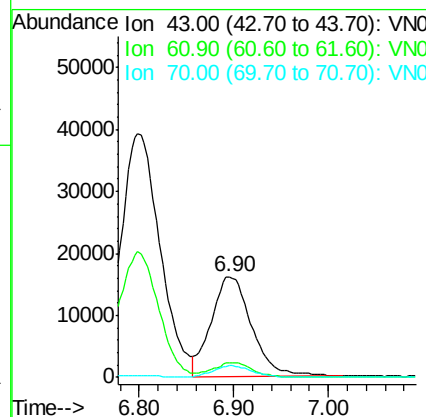
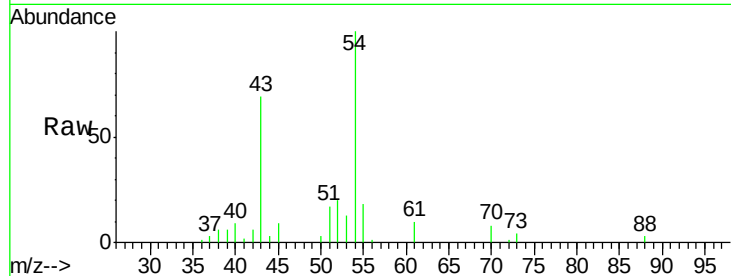
#37
Ethyl Acetate
Concen: 19.797 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion	43	61	70
Resp	47619		
Ratio	100	14.7	11.2
Lower		10.9	7.7
Upper		16.3	11.5

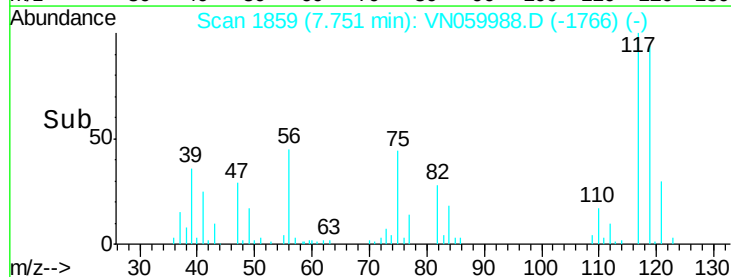
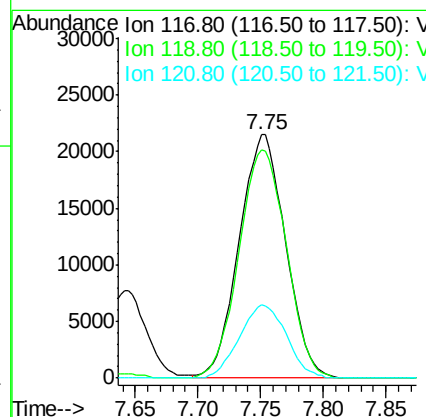
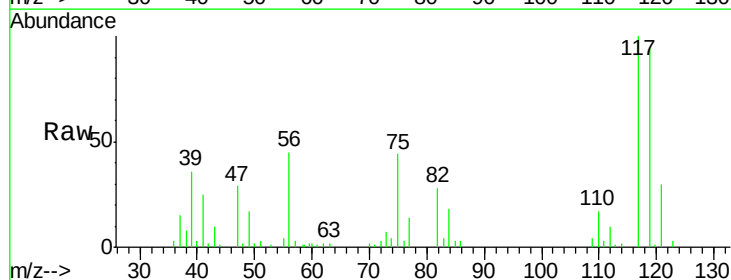
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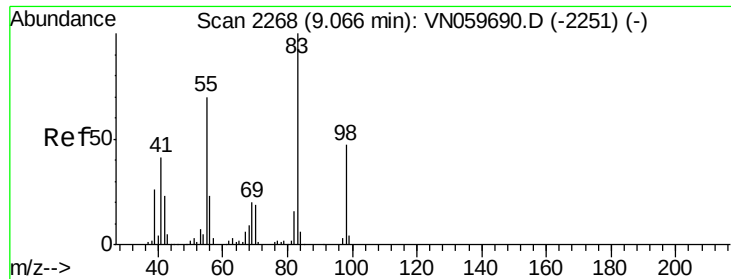
MMDadoda
2/5/2020 12:21:02 PM



#38
Carbon Tetrachloride
Concen: 19.835 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion	117	119	121
Resp	55336		
Ratio	100	93.9	30.1
Lower		76.5	25.1
Upper		114.7	37.7





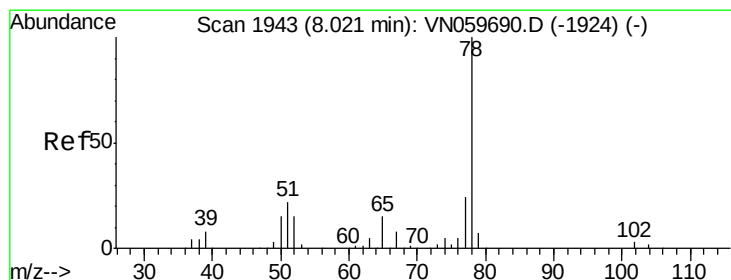
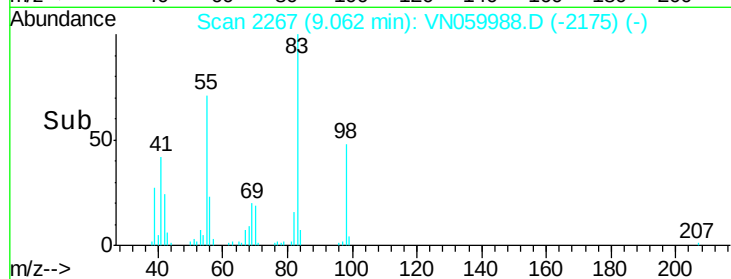
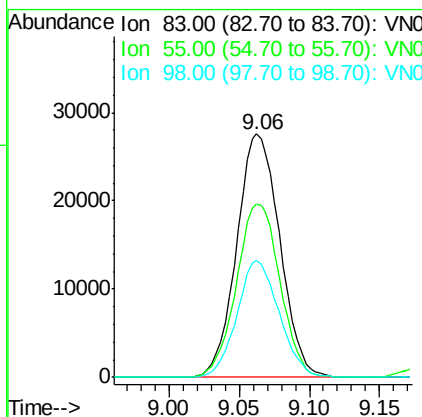
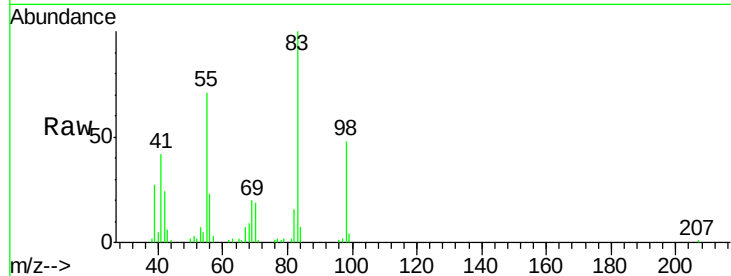
#39
Methylvlcyclohexane
Concen: 18.648 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.3	64.2	96.2
98	48.1	35.9	53.9

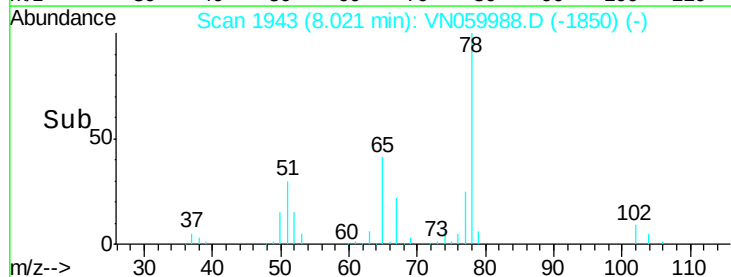
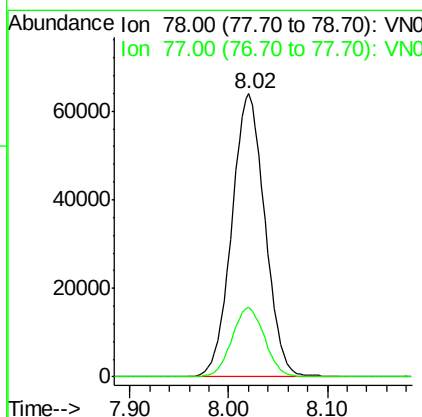
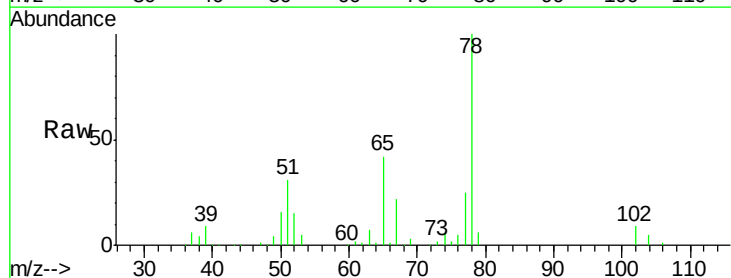
Manual Integrations
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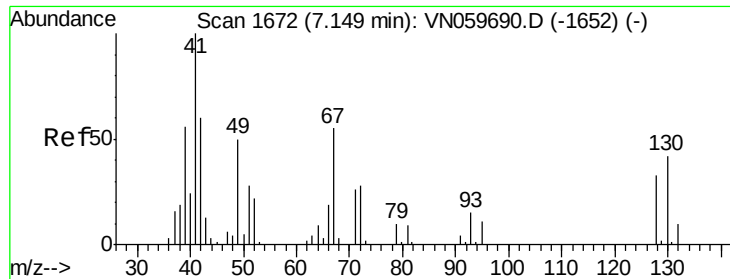
MMDadoda
2/5/2020 12:21:02 PM



#40
Benzene
Concen: 19.514 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.9	28.3





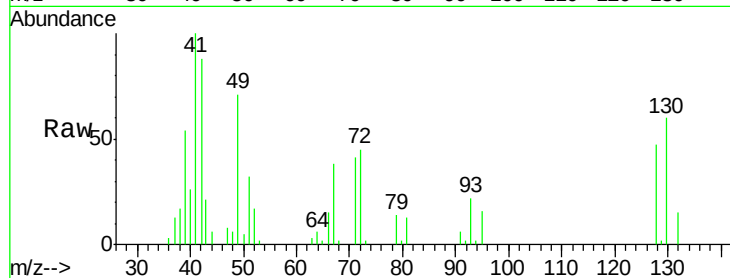
#41
Methacrylonitrile
Concen: 21.095 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.01 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

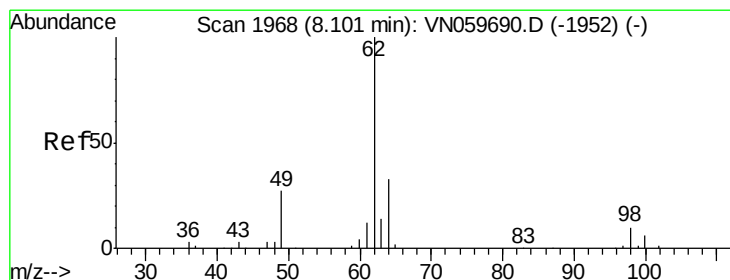
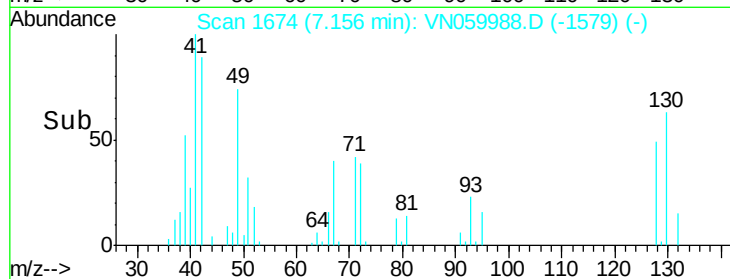
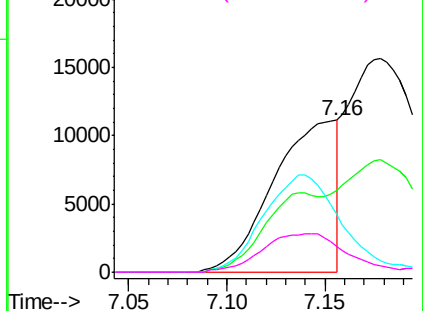
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:21:02 PM

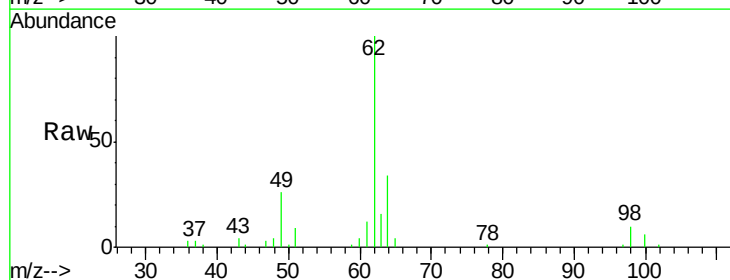


Abundance Ion 41.00 (40.70 to 41.70): VN059988.D (-1579) (-)
Ion 39.00 (38.70 to 39.70): VN059988.D (-1579) (-)
Ion 67.00 (66.70 to 67.70): VN059988.D (-1579) (-)
Ion 52.00 (51.70 to 52.70): VN059988.D (-1579) (-)

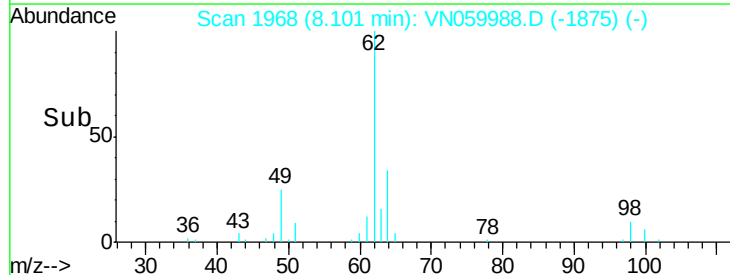
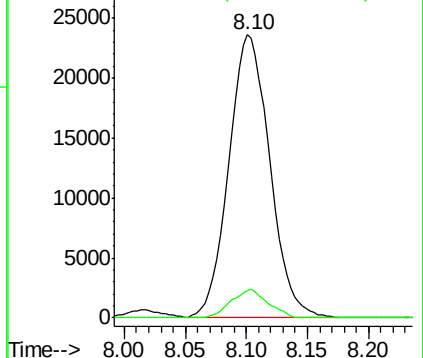


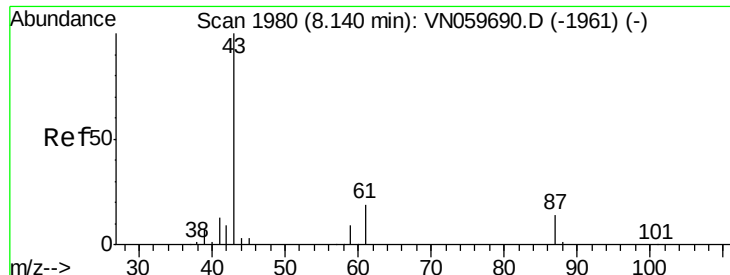
#42
1,2-Dichloroethane
Concen: 21.206 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN059988.D (-1875) (-)
Ion 97.90 (97.60 to 98.60): VN059988.D (-1875) (-)





#43

Isopropyl Acetate

Concen: 19.839 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Instrument :

MSVOA_N

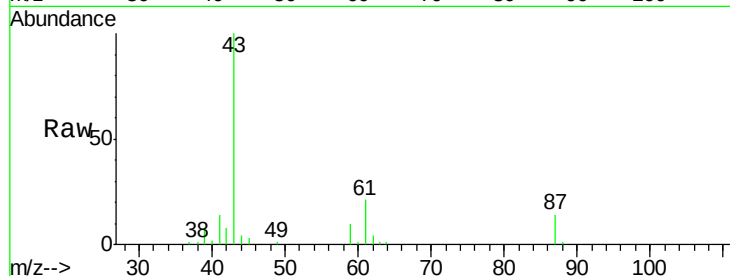
ClientSampleId :

VN0204WBS01

Tot Ion:	43	Resp:	82084
Ion	Ratio	Lower	Upper
43	100		
61	27.4	20.2	30.2
87	14.1	9.5	14.3

Manual Integrations
APPROVED

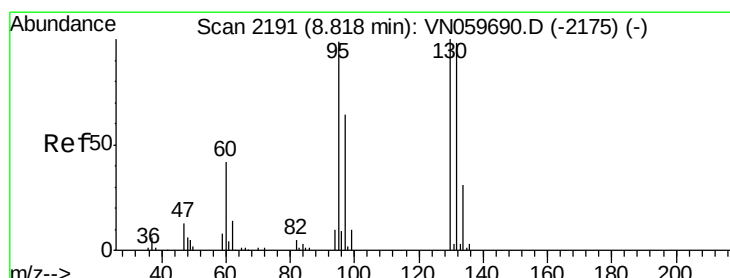
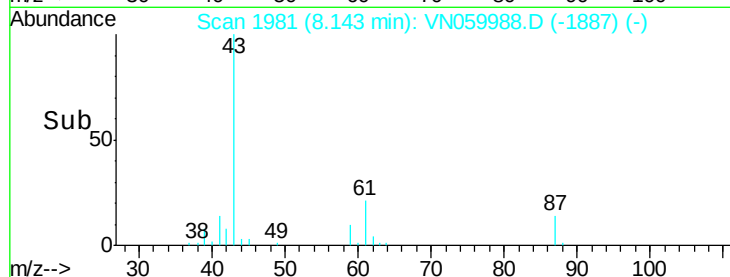
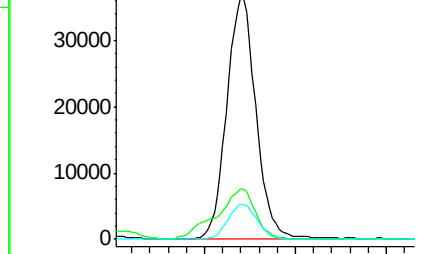
MMDadoda
2/5/2020 12:21:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VN059988.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN059988.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN059988.D (-1887) (-)



#44

Trichloroethene

Concen: 20.763 ug/l

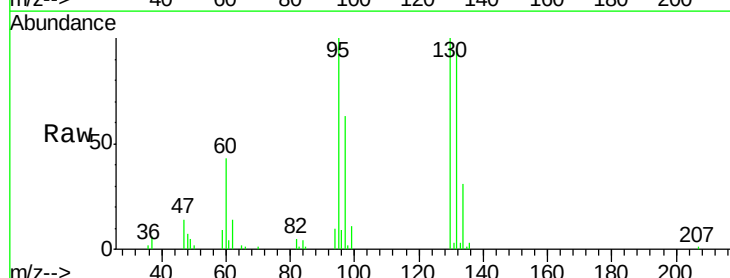
RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059988.D

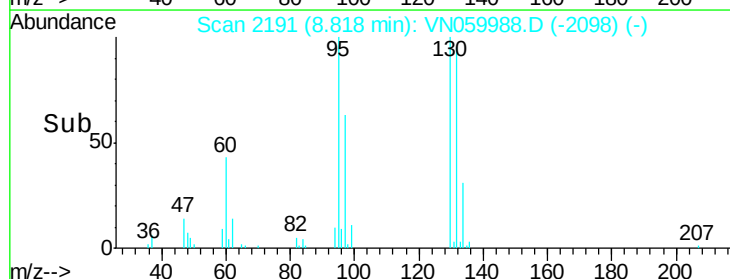
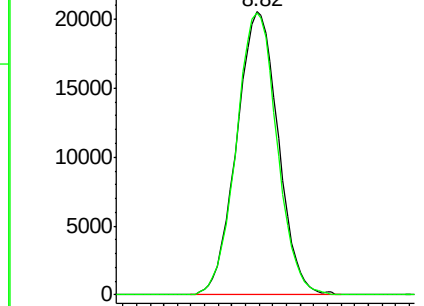
Acq: 4 Feb 2020 12:29

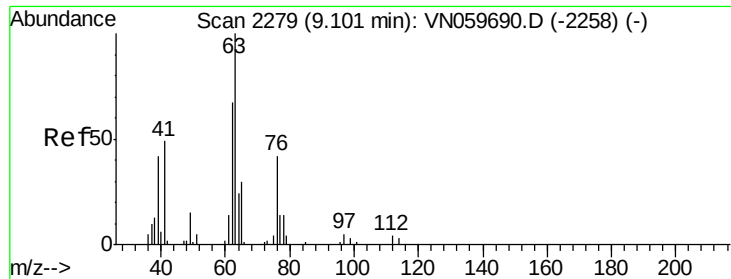
Tgt Ion:	130	Resp:	43354
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059988.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059988.D (-2098) (-)





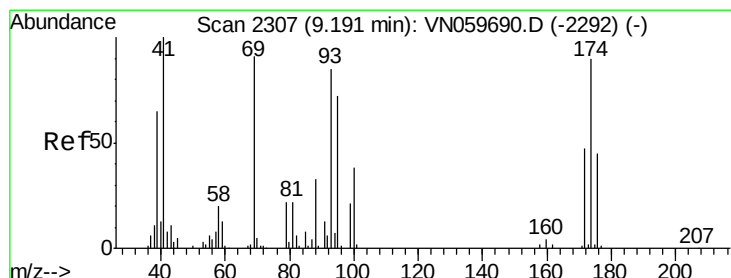
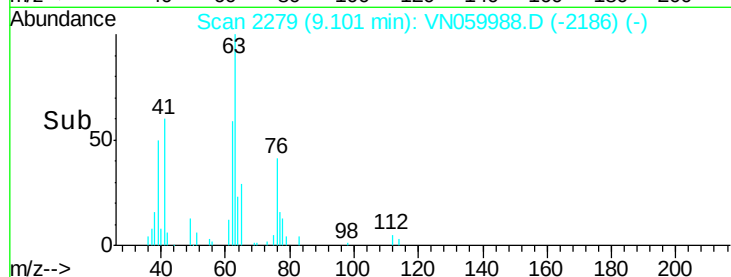
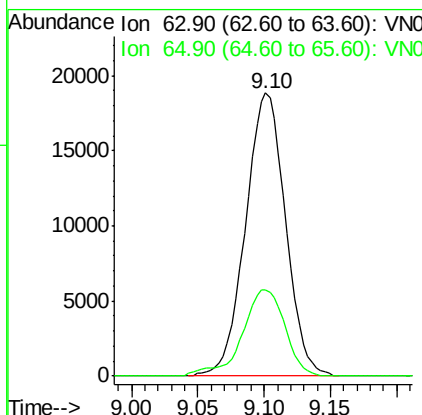
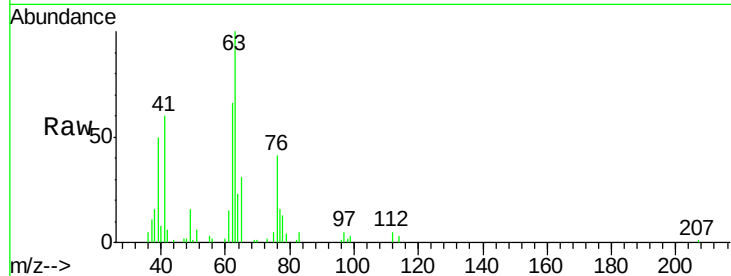
#45
 1,2-Dichloropropane
 Concen: 20.924 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204WBS01

Tot Ion: 63 Resp: 39602
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.9 37.3

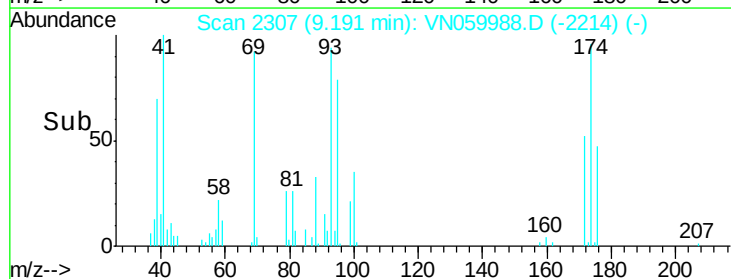
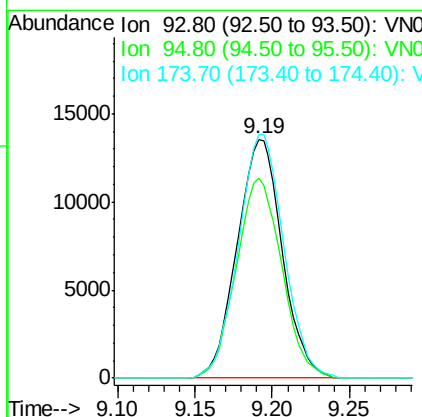
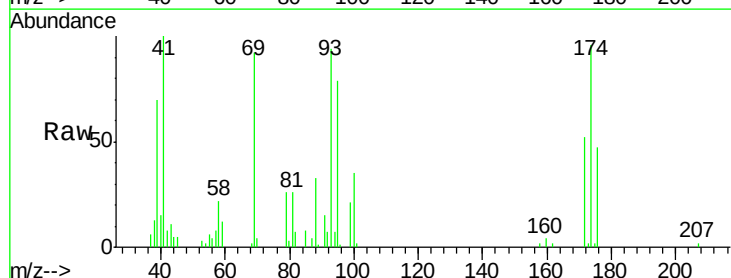
Manual Integrations
 APPROVED

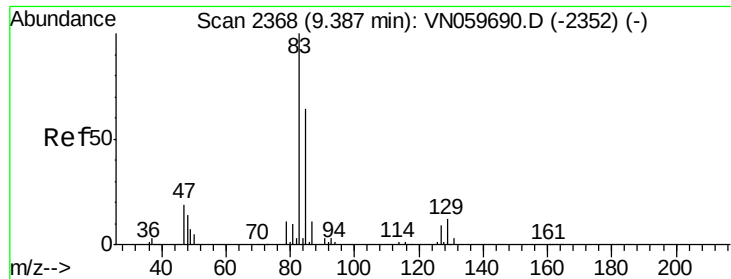
MMDadoda
 2/5/2020 12:21:02 PM



#46
 Dibromomethane
 Concen: 20.556 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Tgt Ion: 93 Resp: 27444
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.0 100.6
 174 102.9 73.4 110.2





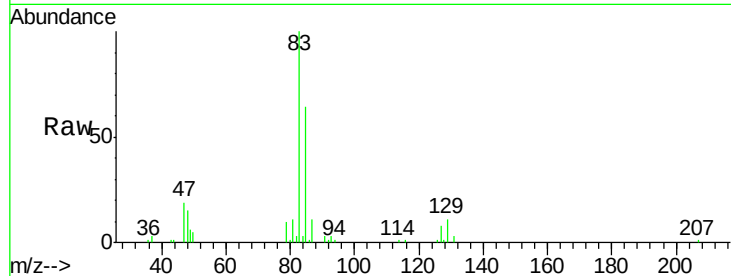
#47
Bromodichloromethane
Concen: 20.790 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.8	51.1	76.7	
127	8.4	6.6	9.8	

Manual Integrations
APPROVED

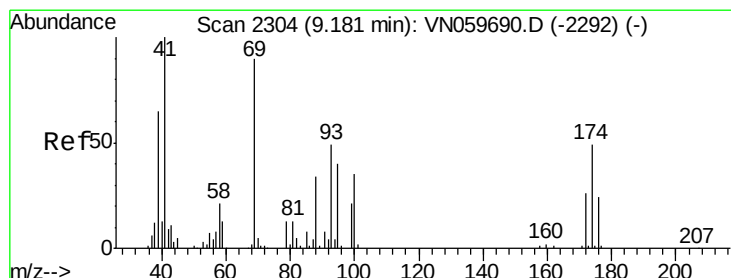
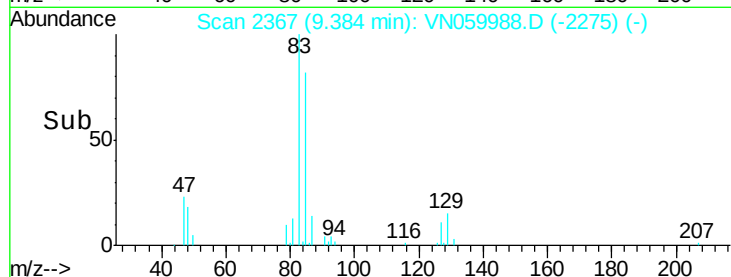
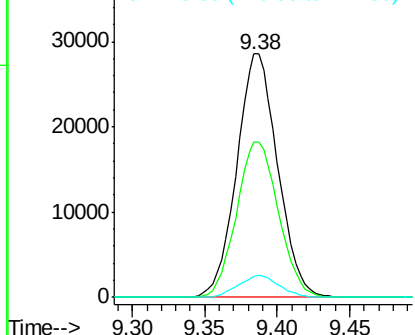
MMDadoda
2/5/2020 12:21:02 PM



Abundance Ion 82.90 (82.60 to 83.60): VN059988.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059988.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059988.D (-2275) (-)



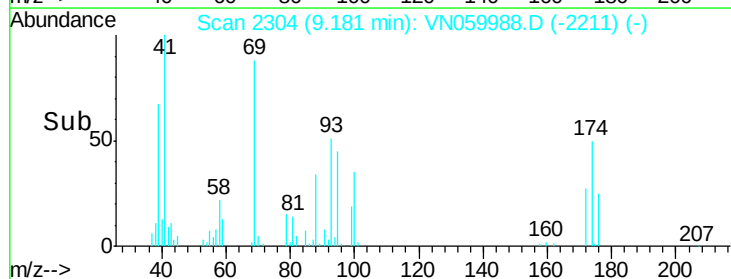
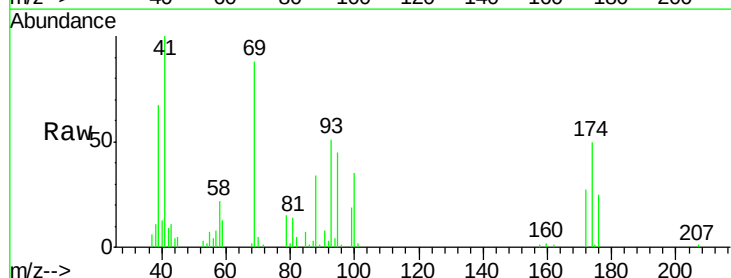
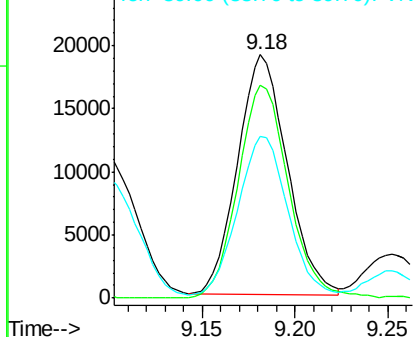
#48
Methyl methacrylate
Concen: 19.096 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

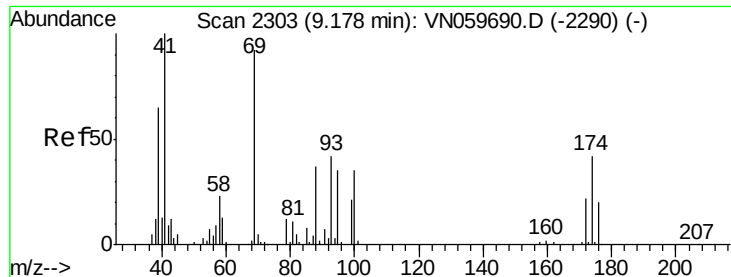
Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	90.6	64.4	96.6	
39	69.4	51.3	76.9	

Abundance Ion 41.00 (40.70 to 41.70): VN059988.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN059988.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN059988.D (-2211) (-)





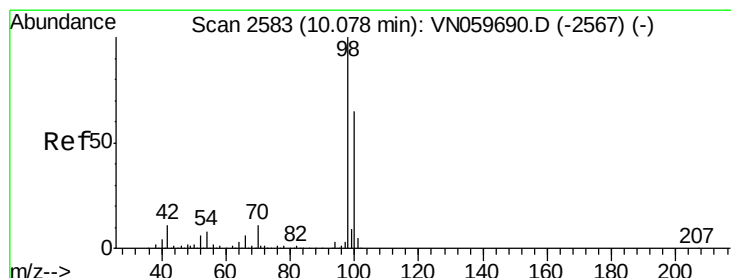
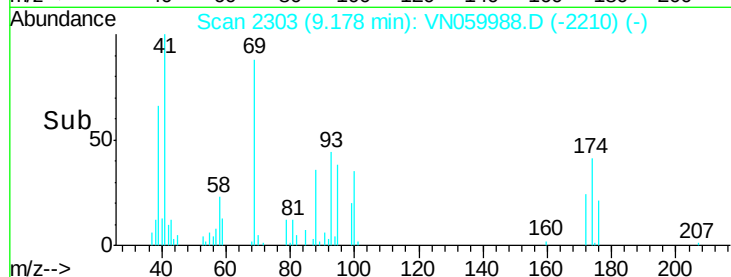
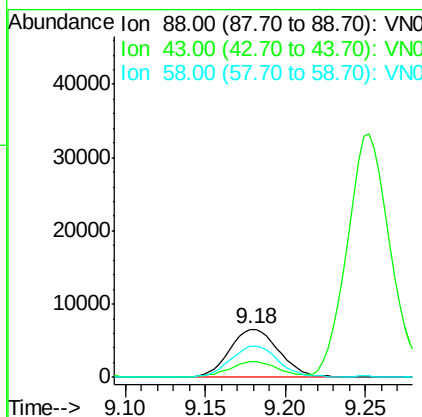
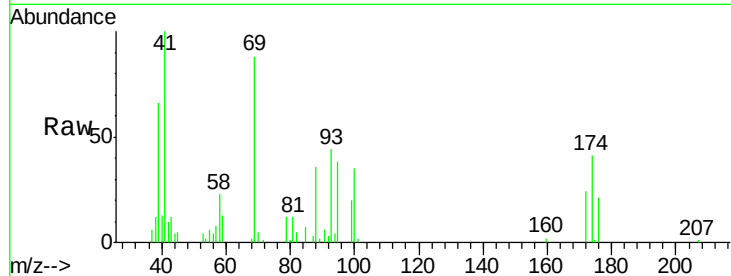
#49
1,4-Dioxane
Concen: 409.635 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

Tot Ion	88	Resp	13878
Ion	Ratio	Lower	Upper
88	100		
43	32.3	29.7	44.5
58	62.8	56.6	85.0

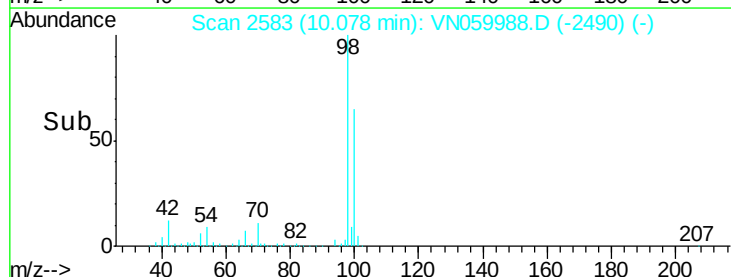
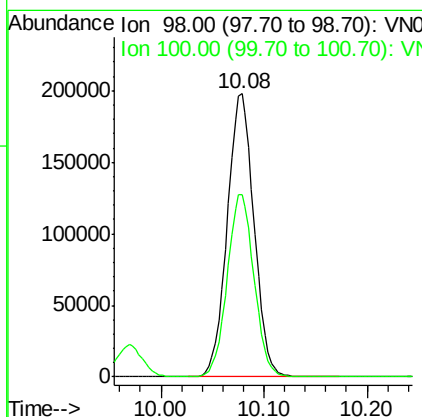
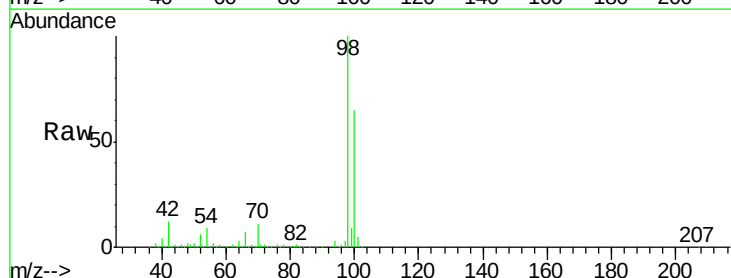
Manual Integrations
APPROVED

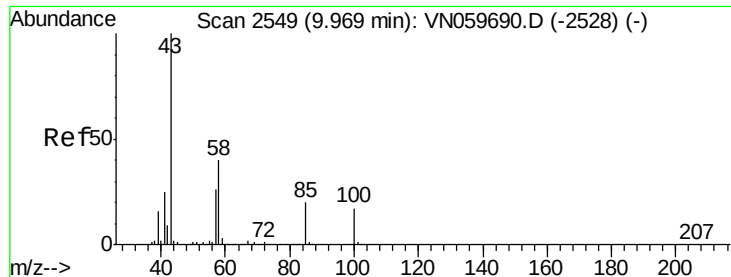
MMDadoda
2/5/2020 12:21:02 PM



#50
Toluene-d8
Concen: 52.554 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion	98	Resp	357612
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





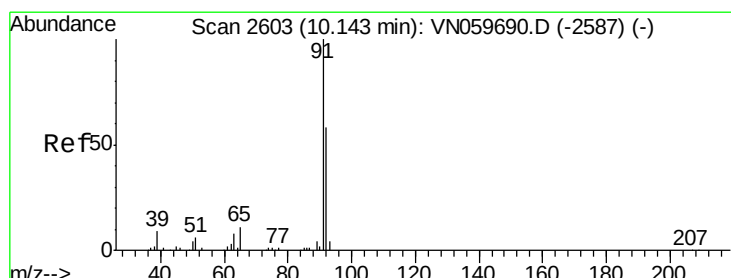
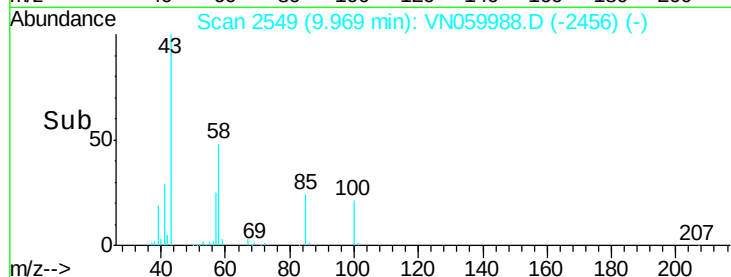
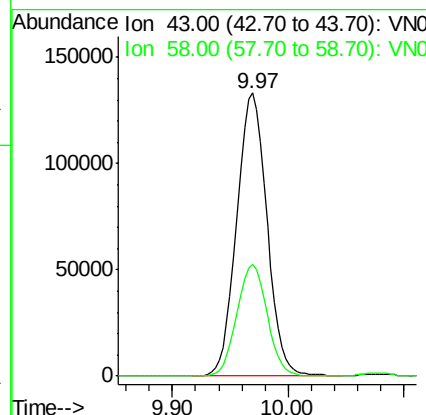
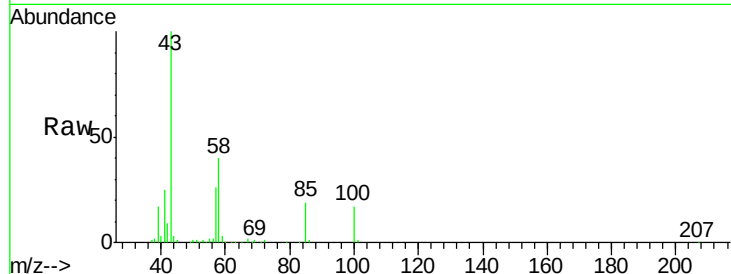
#51
4-Methyl-2-Pentanone
Concen: 100.436 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	29.8	44.8

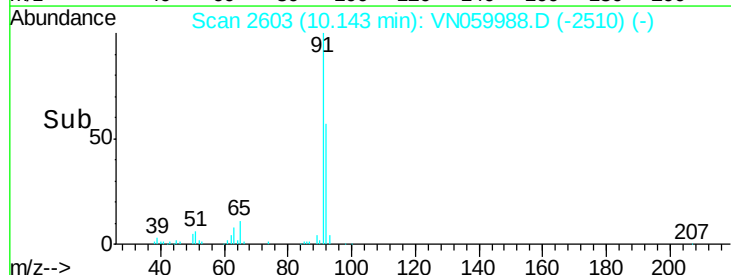
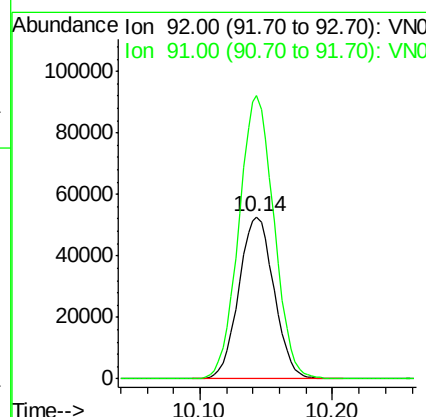
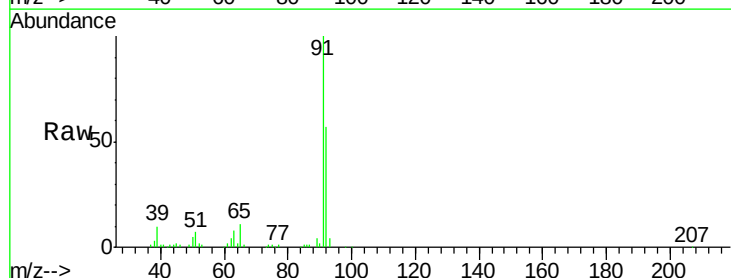
Manual Integrations
APPROVED

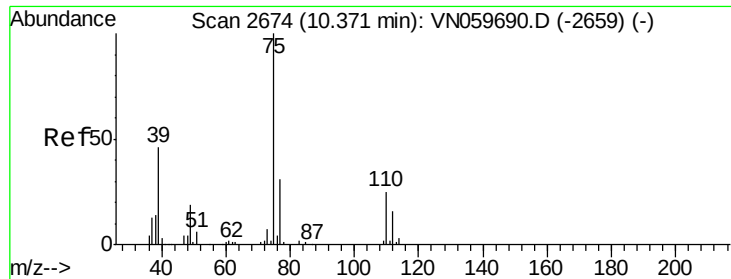
MMDadoda
2/5/2020 12:21:02 PM



#52
Toluene
Concen: 20.129 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.1	140.4	210.6





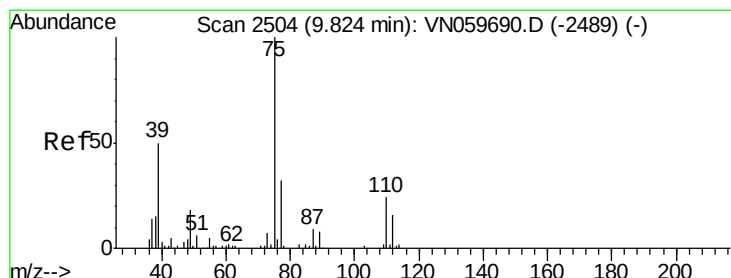
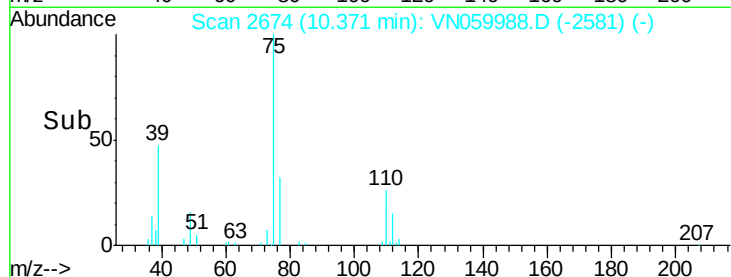
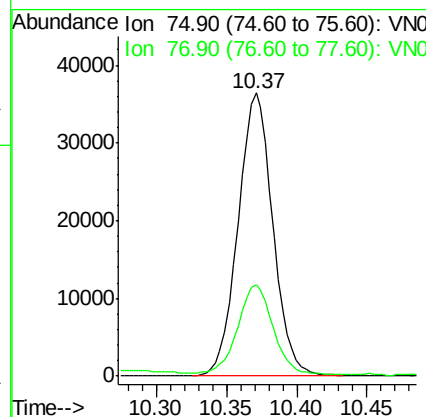
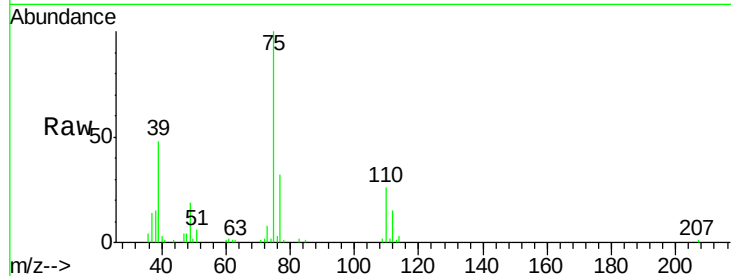
#53
t-1,3-Dichloropropene
Concen: 20.954 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion: 75 Resp: 62949
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2

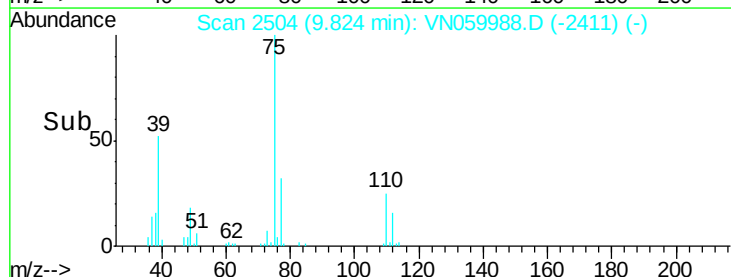
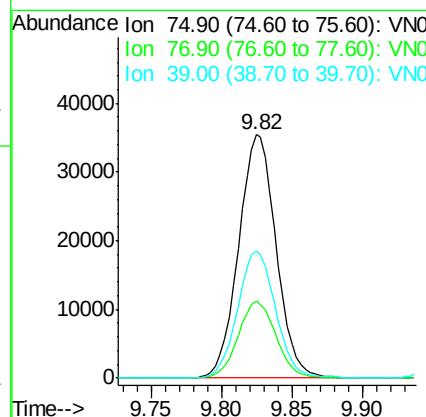
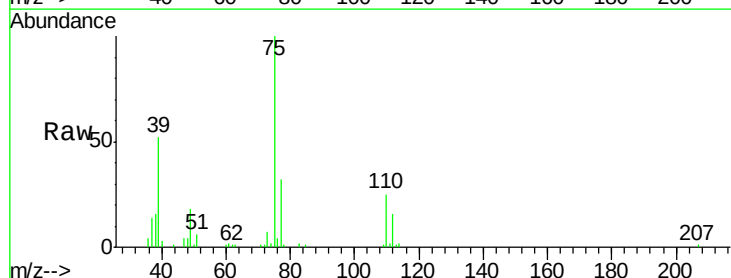
Manual Integrations
APPROVED

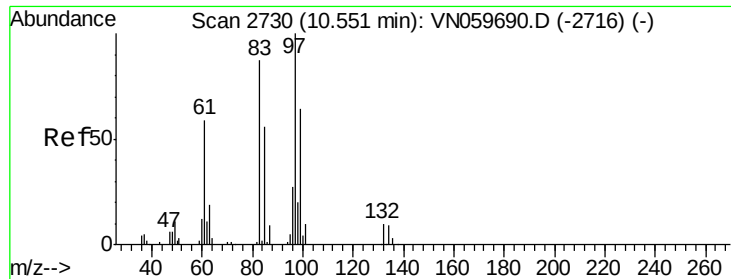
MMDadoda
2/5/2020 12:21:02 PM



#54
cis-1,3-Dichloropropene
Concen: 20.847 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion: 75 Resp: 65894
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7
39 52.4 46.1 69.1





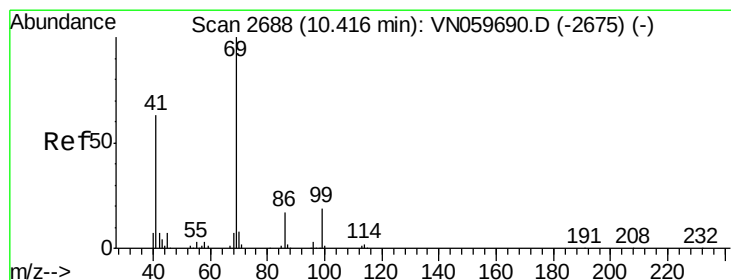
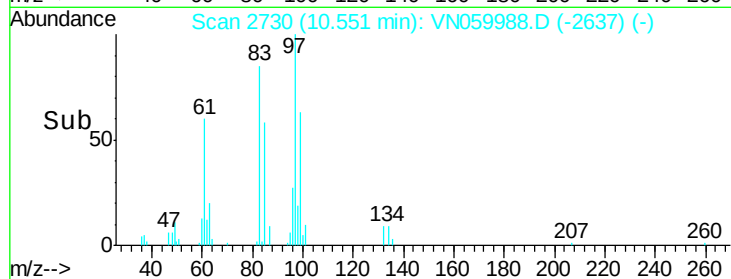
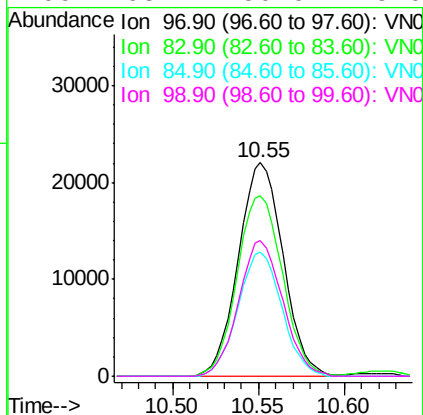
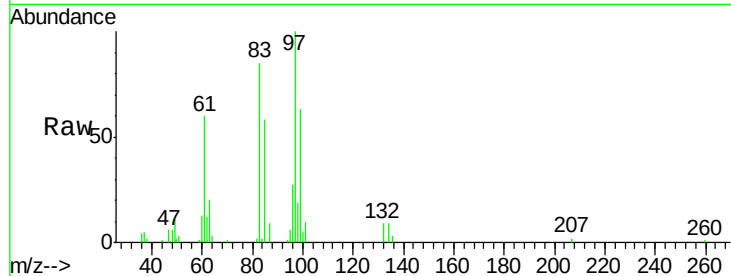
#55
 1,1,2-Trichloroethane
 Concen: 20.899 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		39989		
83	84.6	71.3	106.9		
85	58.1	45.8	68.8		
99	63.4	50.0	75.0		

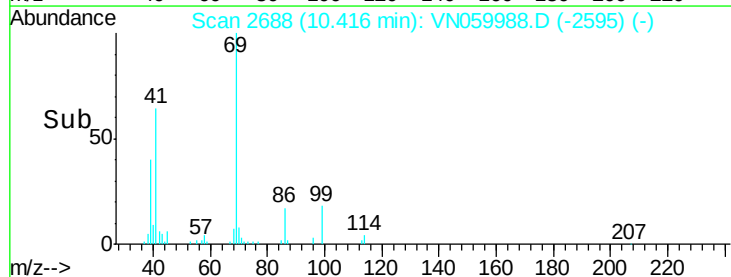
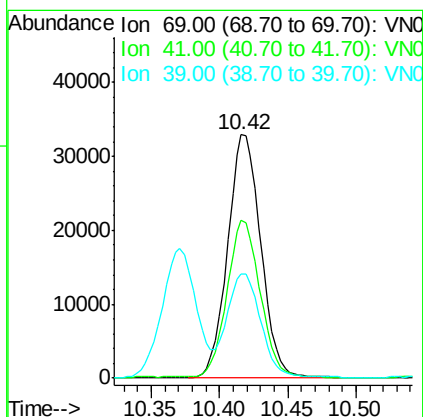
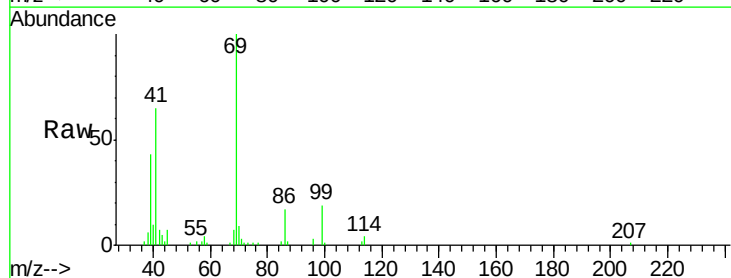
Manual Integrations
 APPROVED

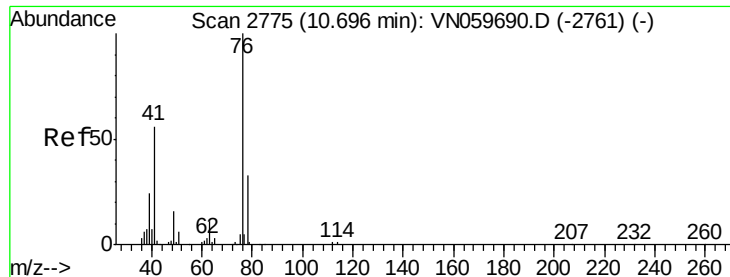
MMDadoda
 2/5/2020 12:21:02 PM



#56
 Ethyl methacrylate
 Concen: 19.087 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		55806		
41	65.4	57.1	85.7		
39	43.6	34.7	52.1		





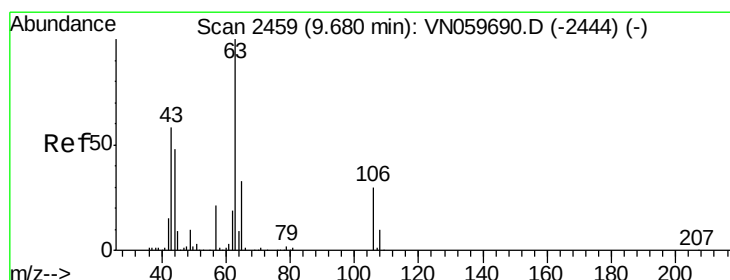
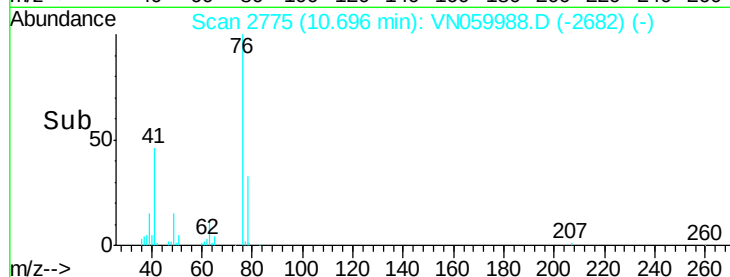
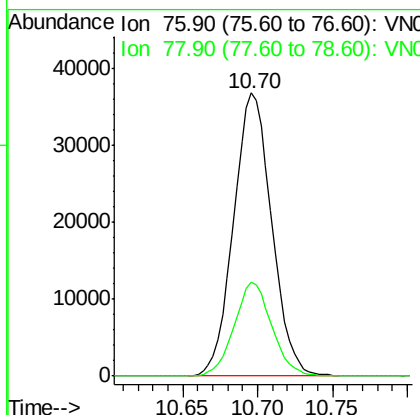
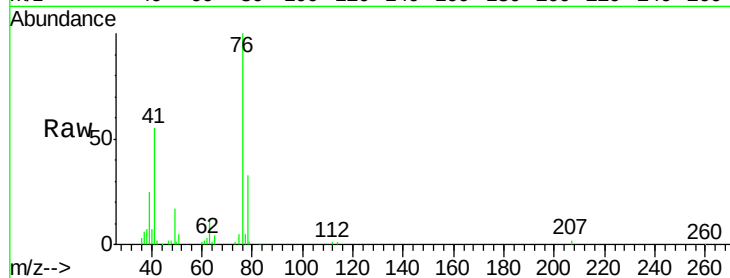
#57
 1,3-Dichloropropane
 Concen: 21.442 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204WBS01

Tot Ion: 76 Resp: 65137
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8

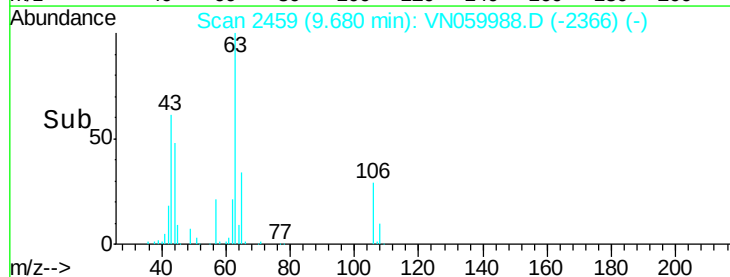
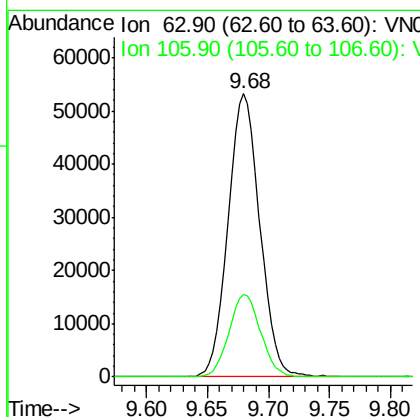
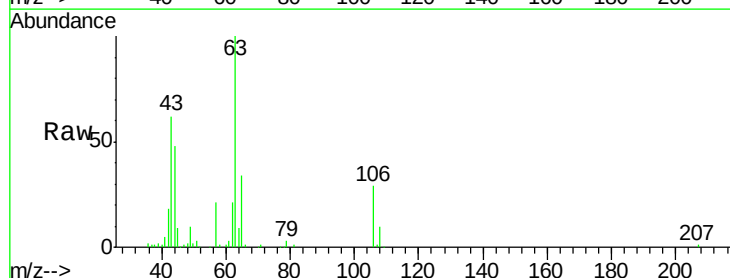
Manual Integrations
 APPROVED

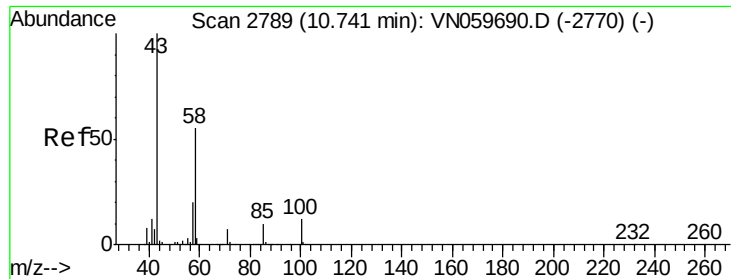
MMDadoda
 2/5/2020 12:21:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.742 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Tgt Ion: 63 Resp: 96645
 Ion Ratio Lower Upper
 63 100
 106 28.9 20.2 30.2





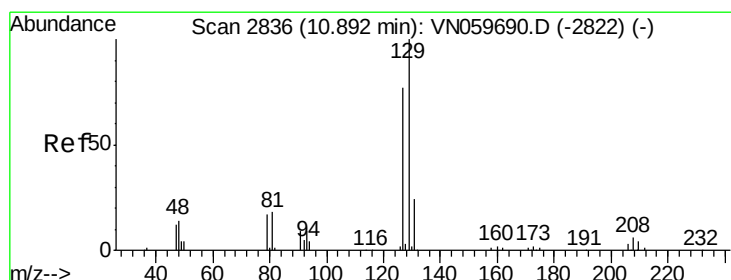
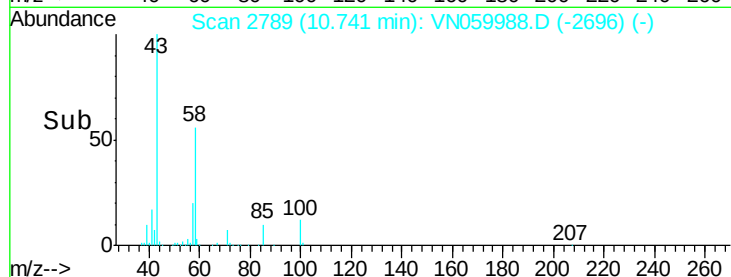
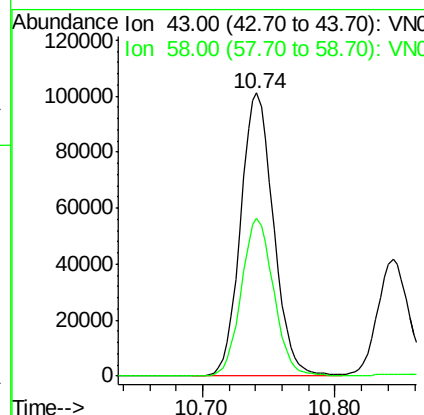
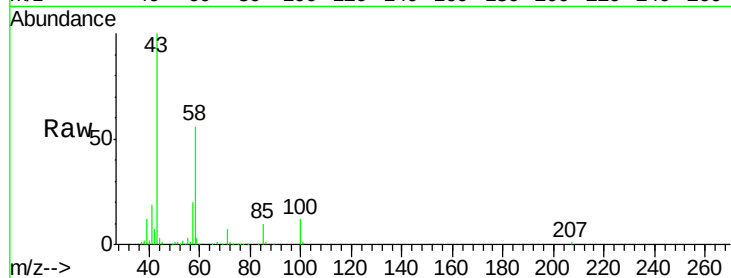
#59
2-Hexanone
Concen: 99.202 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion: 43 Resp: 174793
Ion Ratio Lower Upper
43 100
58 54.7 25.8 77.3

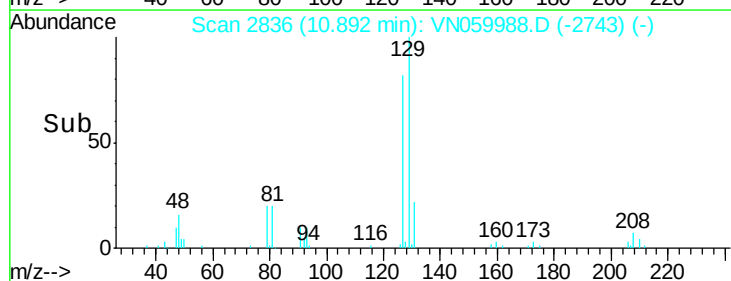
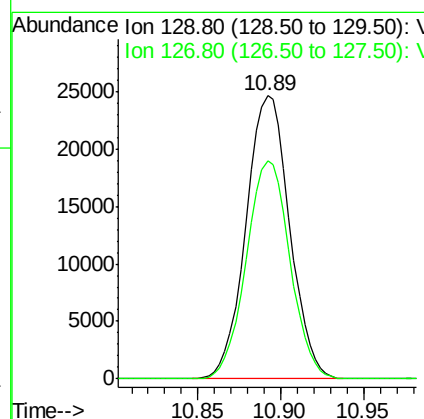
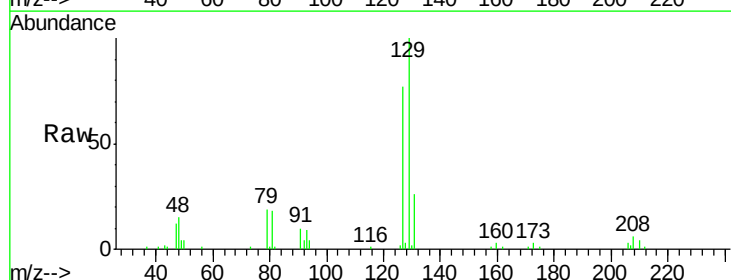
Manual Integrations
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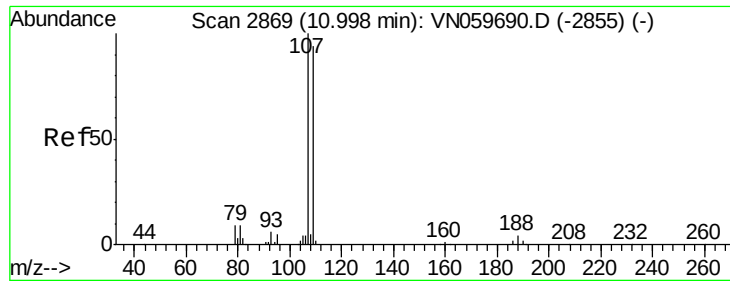
MMDadoda
2/5/2020 12:21:02 PM



#60
Dibromochloromethane
Concen: 20.667 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion: 129 Resp: 45033
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





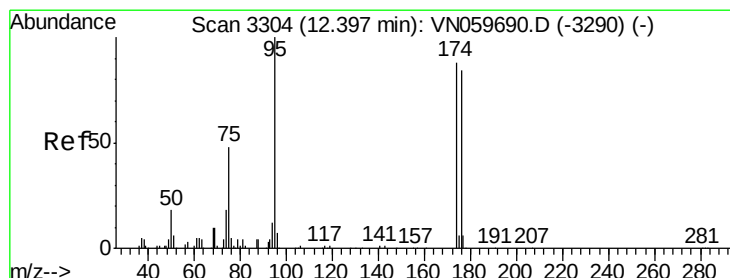
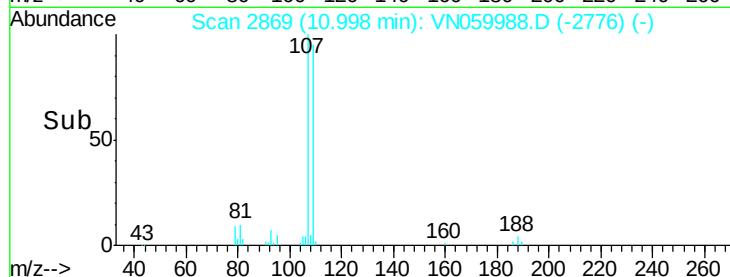
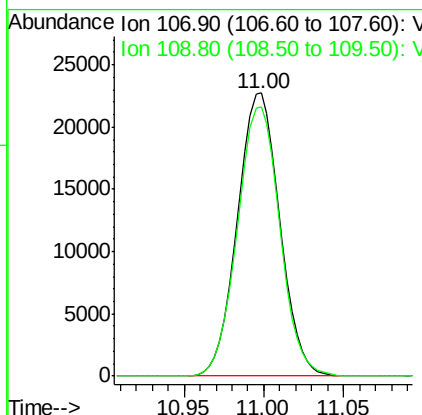
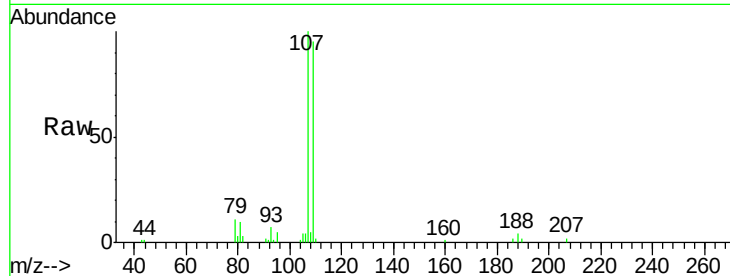
#61
 1,2-Dibromoethane
 Concen: 20.424 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	76.6	115.0

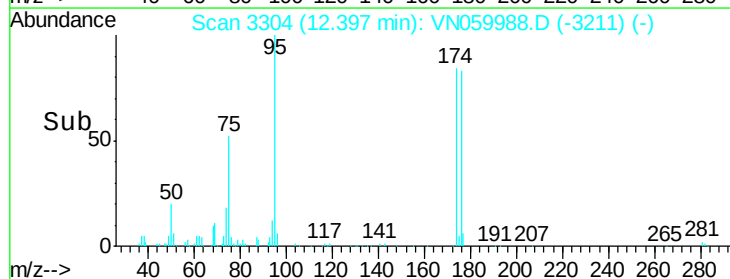
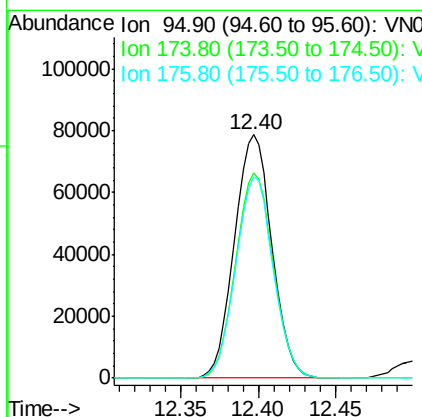
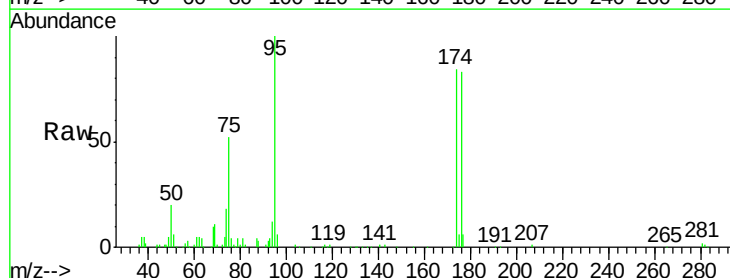
Manual Integrations
 APPROVED

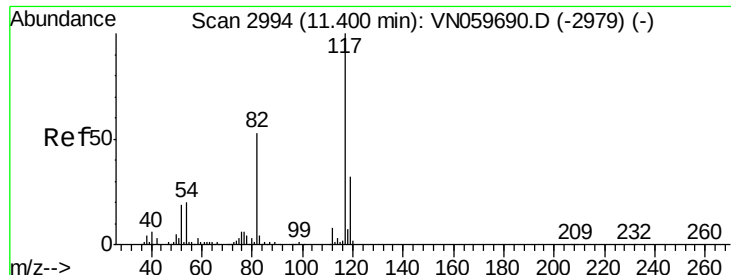
MMDadoda
 2/5/2020 12:21:02 PM



#62
 4-Bromofluorobenzene
 Concen: 53.833 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	151.4
176	83.0	0.0	146.0





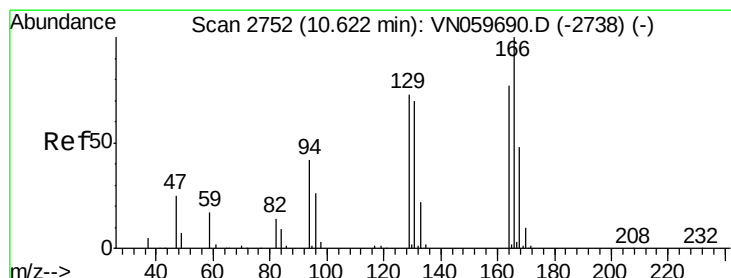
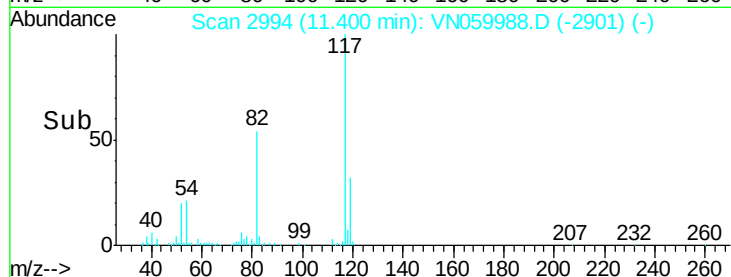
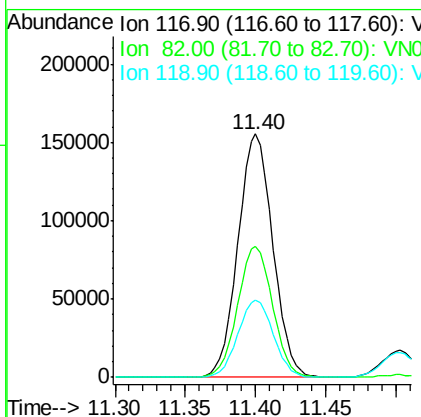
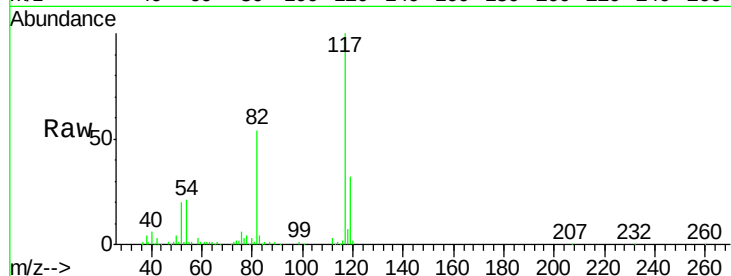
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	269706		
82	54.0		45.9	68.9
119	31.8		25.5	38.3

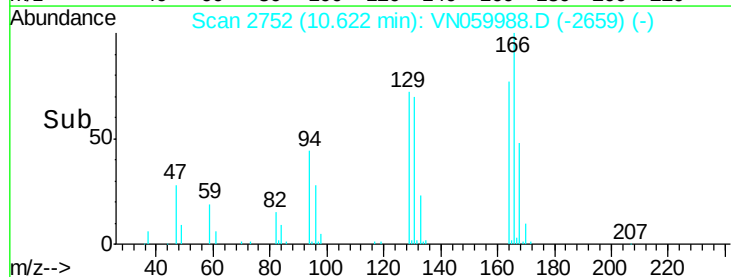
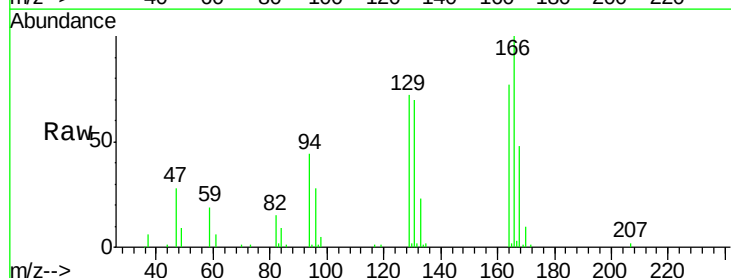
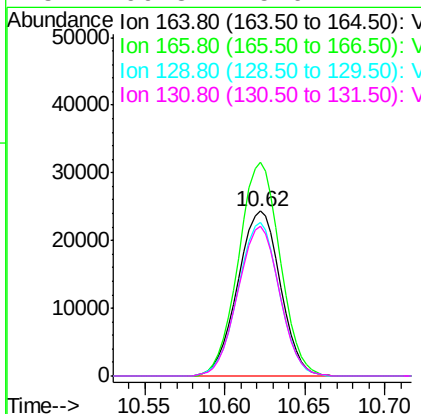
Manual Integrations
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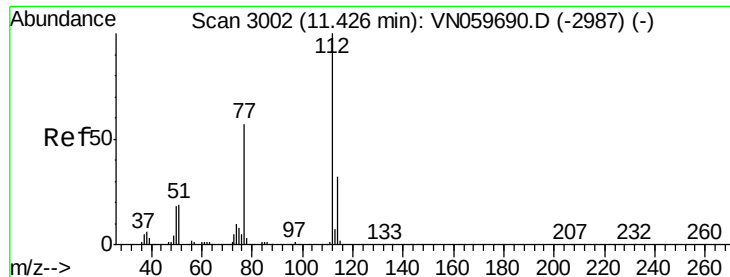
MMDadoda
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#64
Tetrachloroethene
Concen: 20.153 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44298		
166	129.5		101.4	152.0
129	93.5		80.2	120.4
131	90.8		75.0	112.4





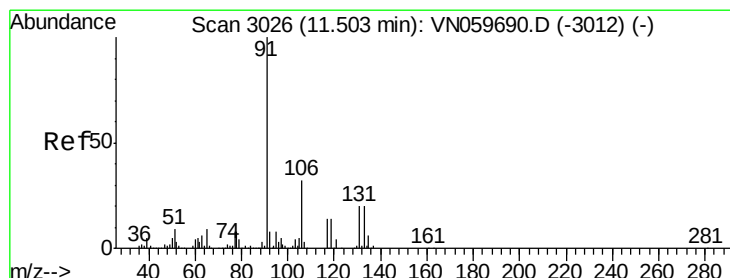
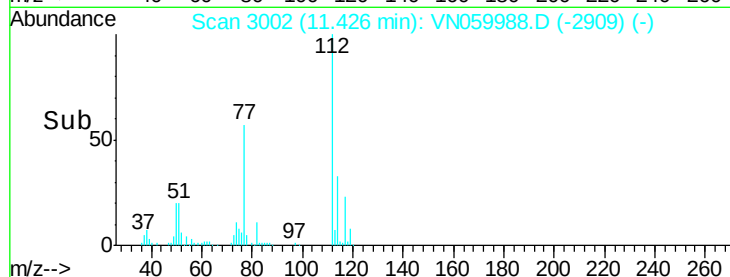
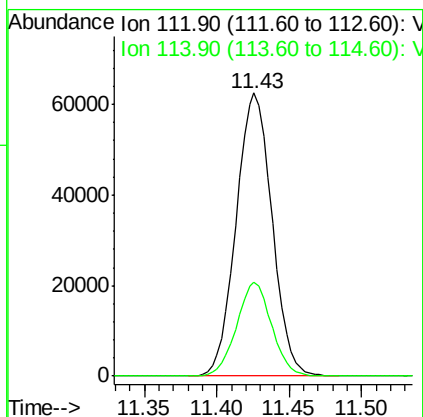
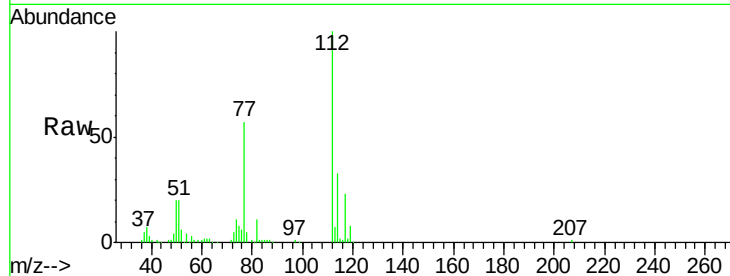
#65
Chlorobenzene
Concen: 20.291 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion:112 Resp: 107566
Ion Ratio Lower Upper
112 100
114 33.3 25.8 38.8

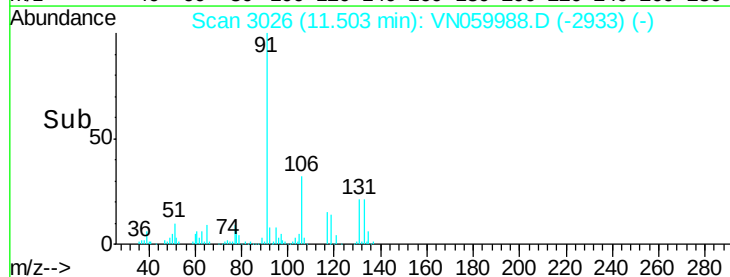
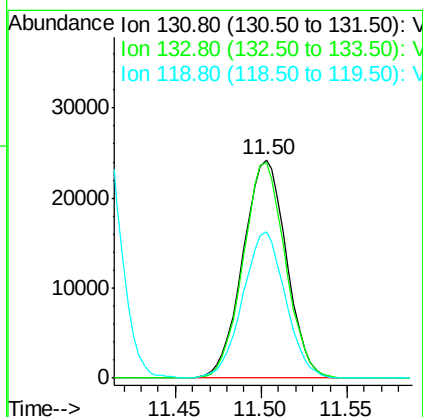
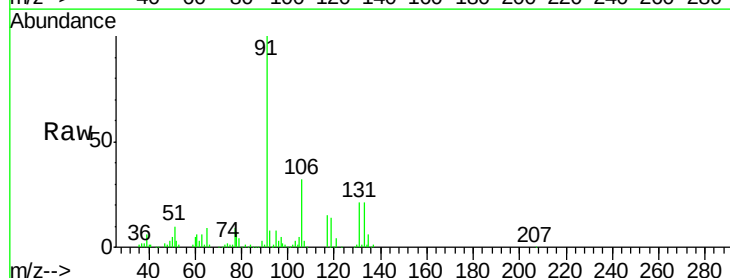
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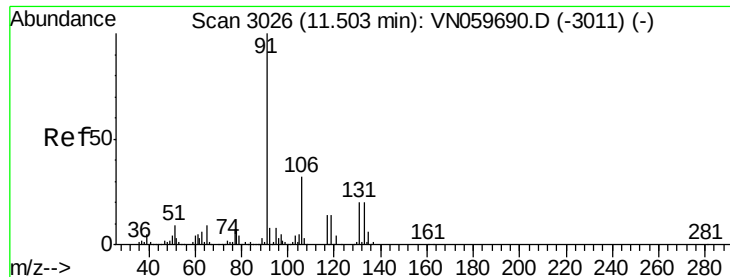
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.756 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion:131 Resp: 42515
Ion Ratio Lower Upper
131 100
133 95.9 47.4 142.2
119 65.9 33.1 99.3





#67

Ethyl Benzene

Concen: 19.870 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Instrument :

MSVOA_N

ClientSampled :

VN0204WBS01

Tot Ion: 91 Resp: 191217

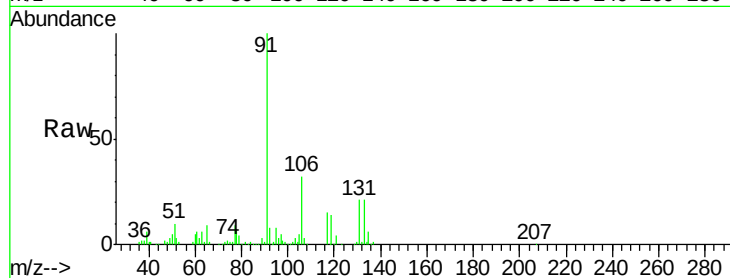
Ion Ratio Lower Upper

91 100

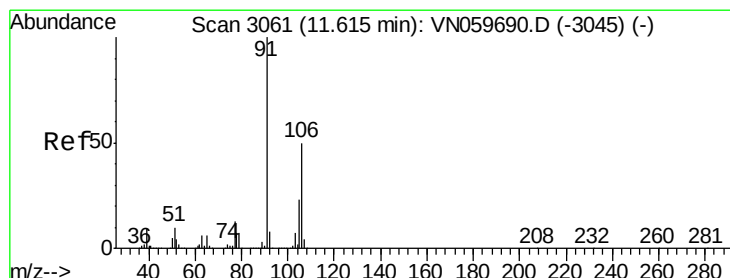
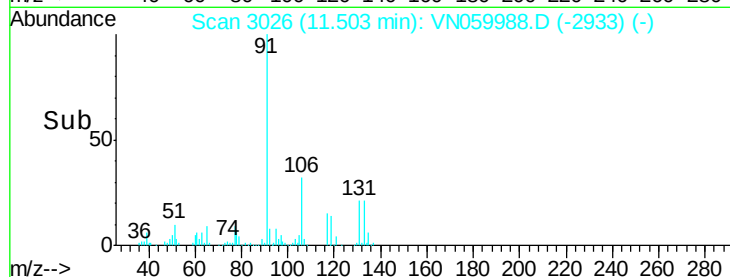
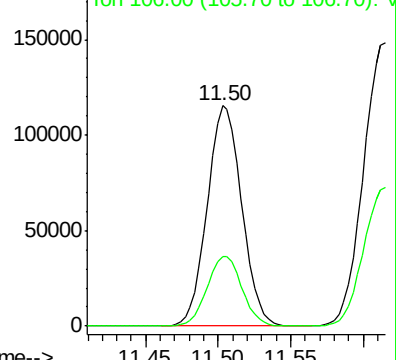
106 31.6 24.1 36.1

Manual Integrations
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MMDadoda
2/5/2020 12:21:02 PM



Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3011) (-)



#68

m/p-Xylenes

Concen: 39.607 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059988.D

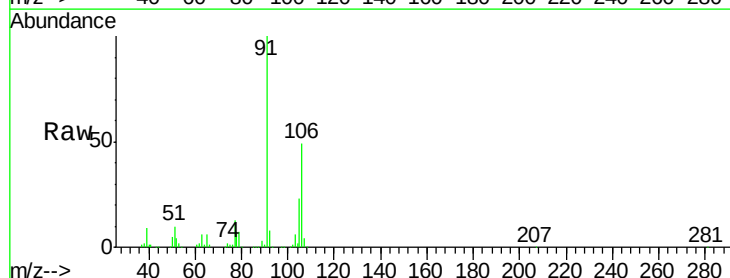
Acq: 4 Feb 2020 12:29

Tgt Ion: 106 Resp: 143976

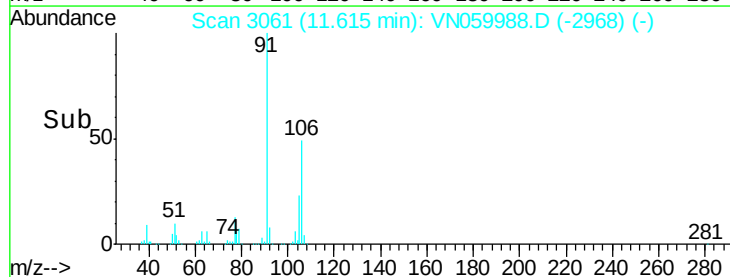
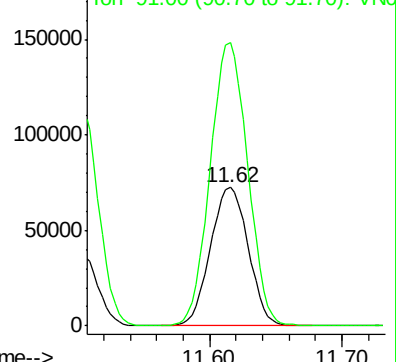
Ion Ratio Lower Upper

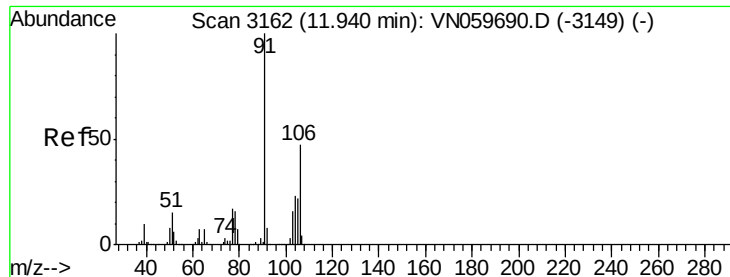
106 100

91 201.8 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059690.D (-3045) (-)





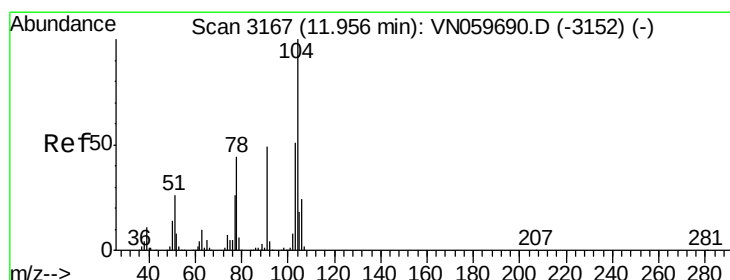
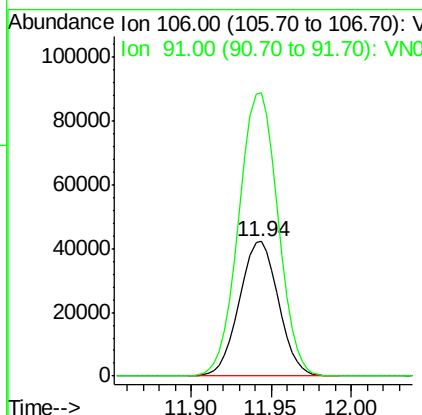
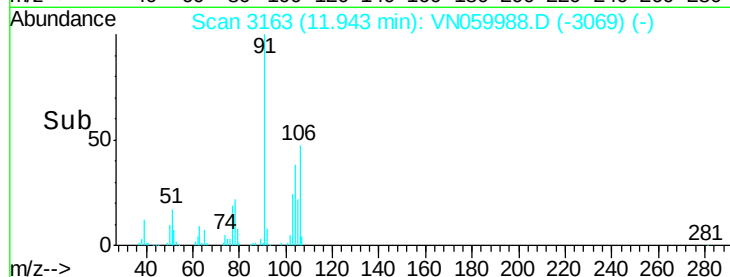
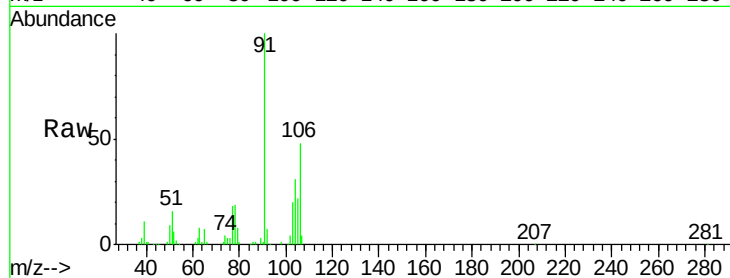
#69
o-Xylene
Concen: 19.822 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion:106 Resp: 70542
Ion Ratio Lower Upper
106 100
91 211.3 110.3 330.9

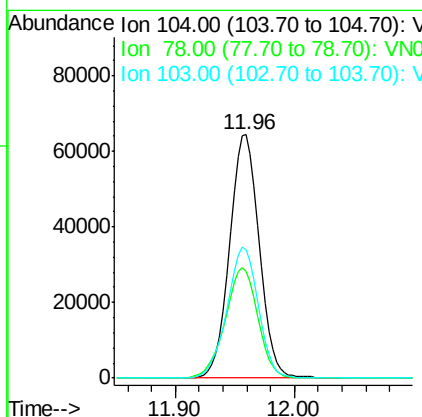
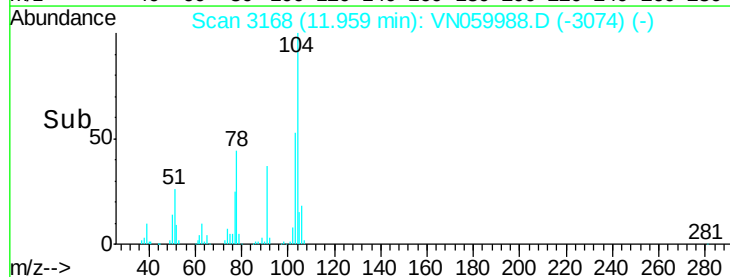
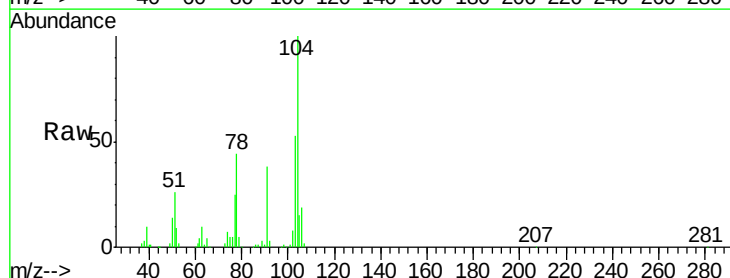
Manual Integrations
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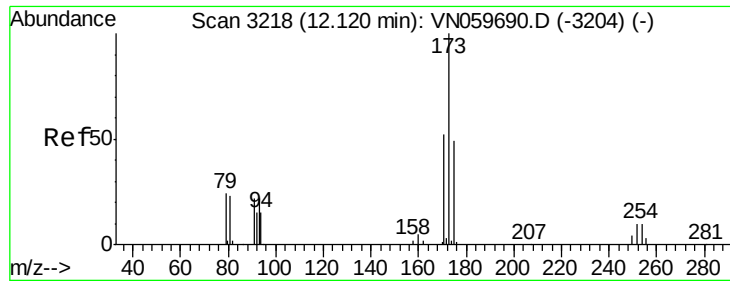
MMDadoda
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#70
Styrene
Concen: 18.709 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion:104 Resp: 111417
Ion Ratio Lower Upper
104 100
78 49.8 42.4 63.6
103 56.7 43.9 65.9





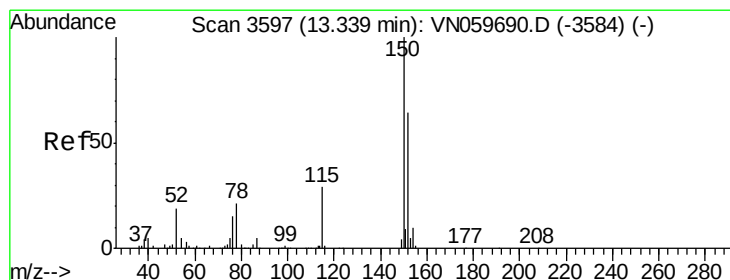
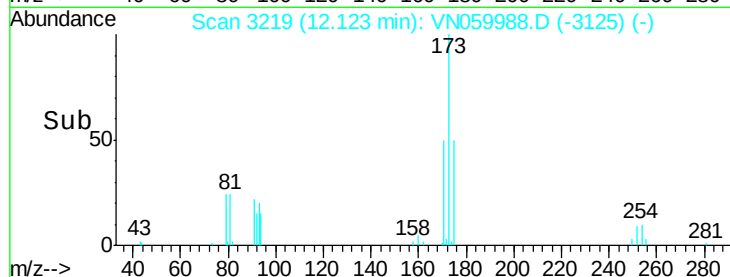
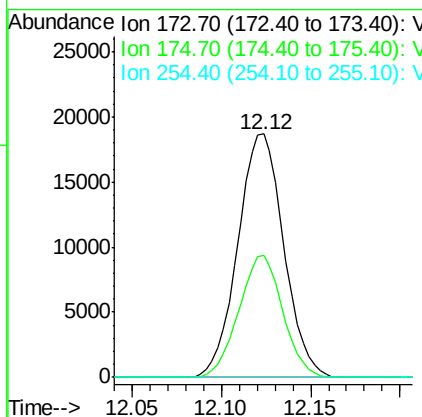
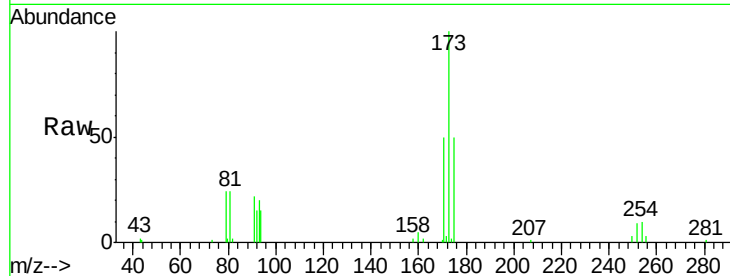
#71
Bromoform
Concen: 20.365 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.8	71.4
254	0.0	0.0	0.0

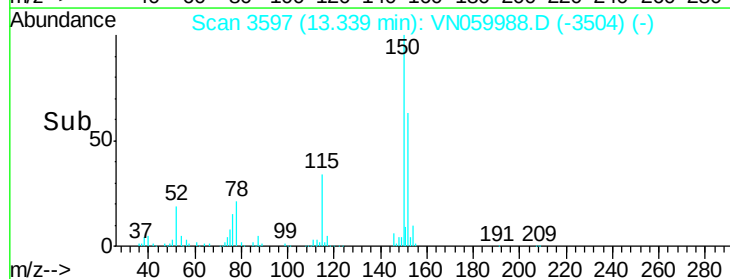
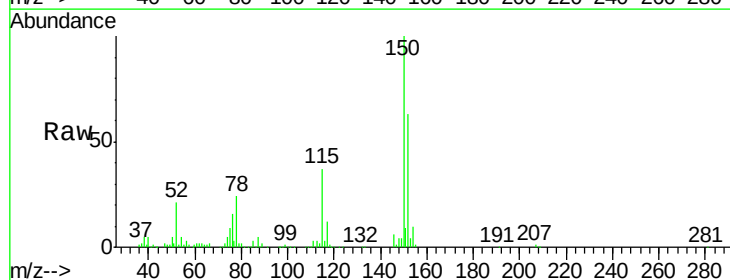
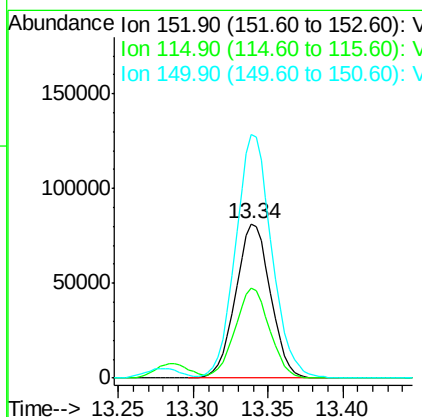
Manual Integrations
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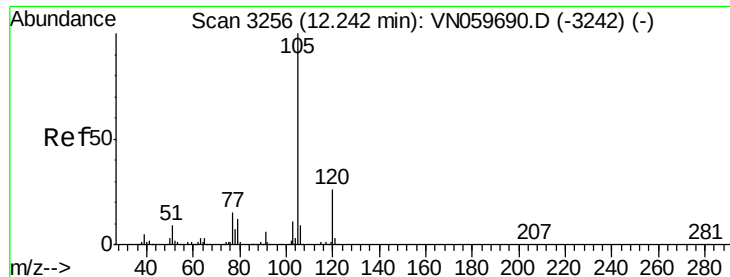
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	30.3	90.9
150	163.7	0.0	345.2





#73

Isopropylbenzene

Concen: 19.722 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Instrument :

MSVOA_N

ClientSampled :

VN0204WBS01

Tot Ion: 105 Resp: 190705

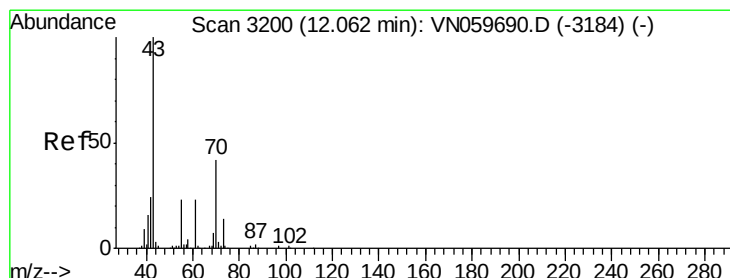
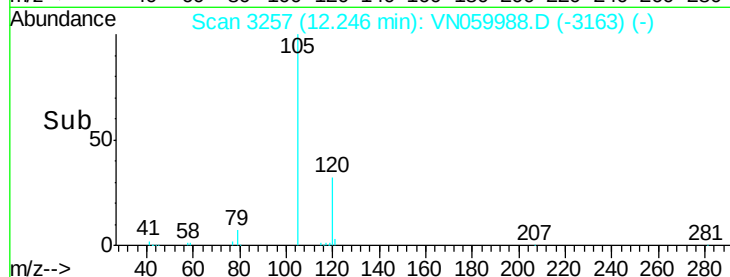
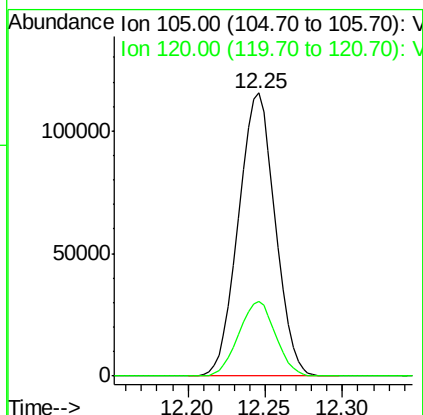
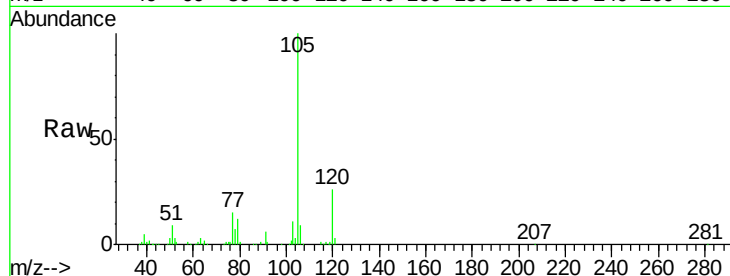
Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.5

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.835 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Tgt Ion: 43 Resp: 70671

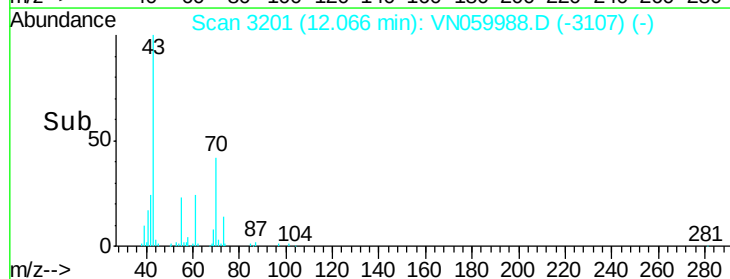
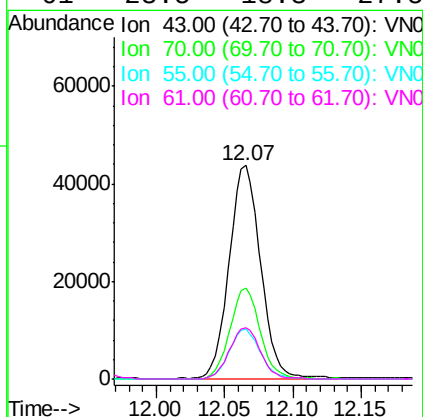
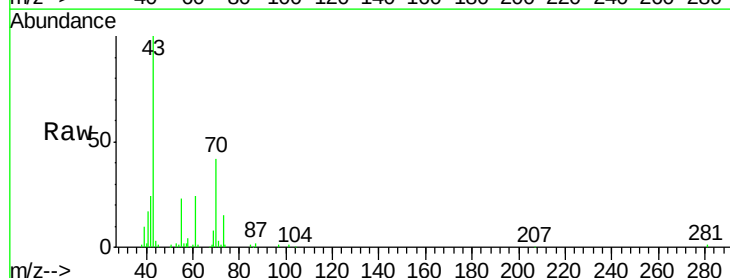
Ion Ratio Lower Upper

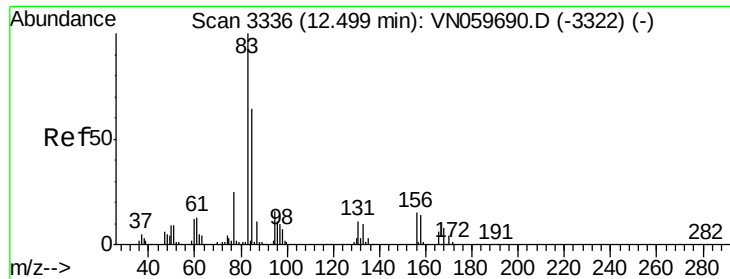
43 100

70 40.7 31.3 46.9

55 22.9 19.8 29.6

61 23.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.830 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Instrument :

MSVOA_N

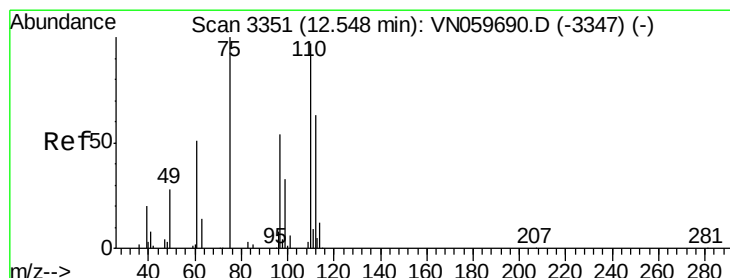
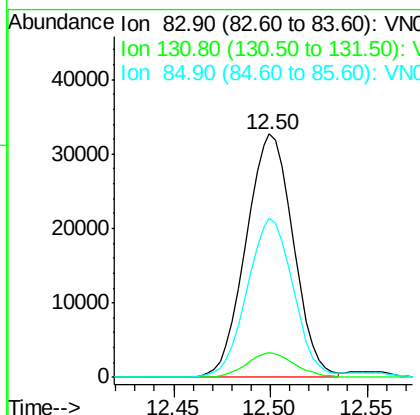
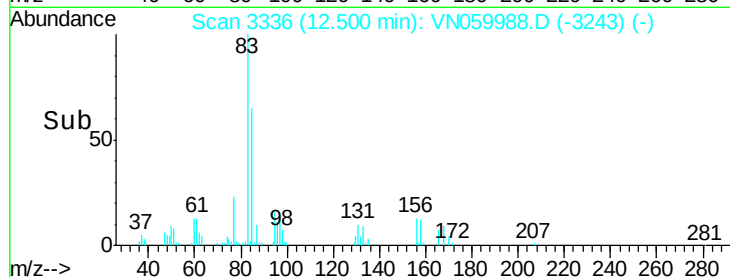
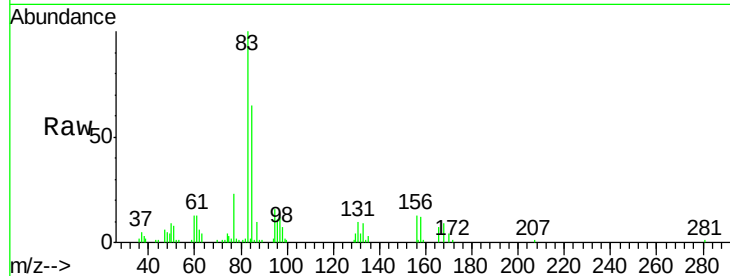
ClientSampled :

VN0204WBS01

Tot Ion:	83	Resp:	55587
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.0	14.9
85	63.7	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.729 ug/l m

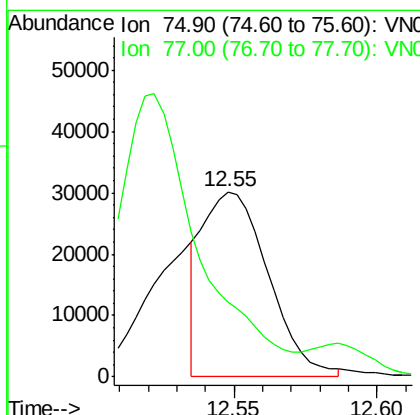
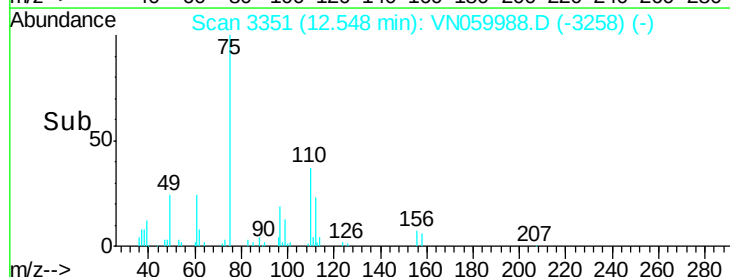
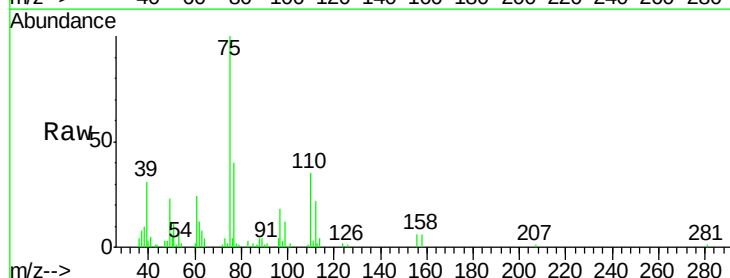
RT: 12.55 min Scan# 3351

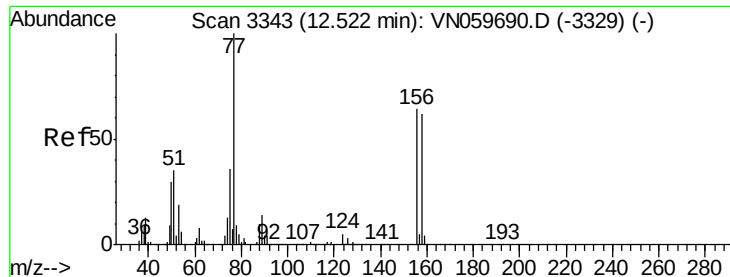
Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Tgt Ion:	75	Resp:	48214
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.641 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Instrument :

MSVOA_N

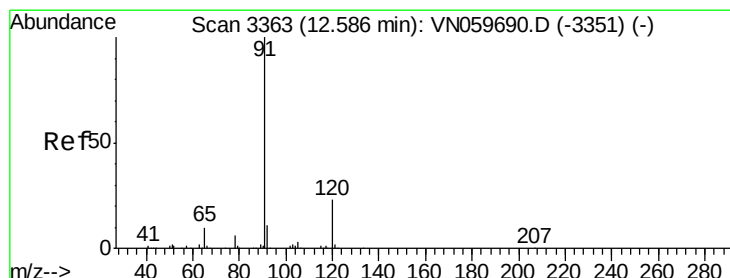
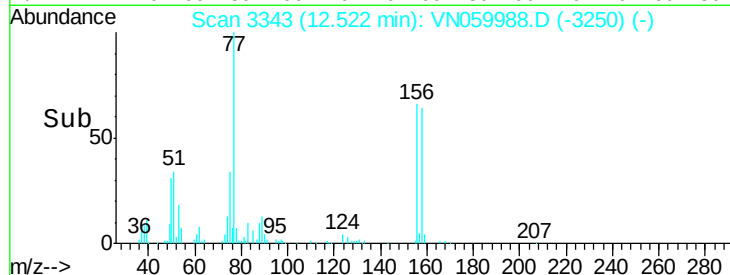
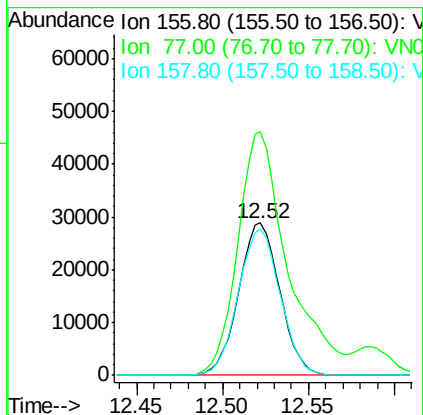
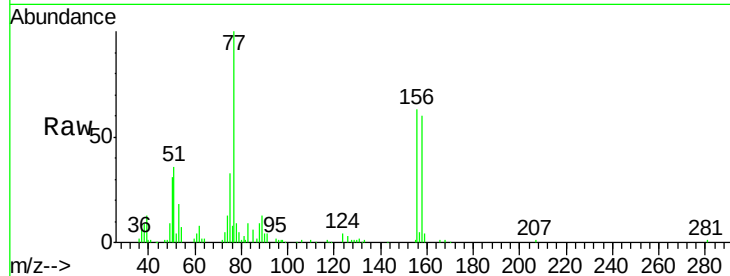
ClientSampled :

VN0204WBS01

Tot Ion:	156	Resp:	48096
Ion Ratio	Lower	Upper	
156	100		
77	193.7	115.8	347.4
158	97.7	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.688 ug/l

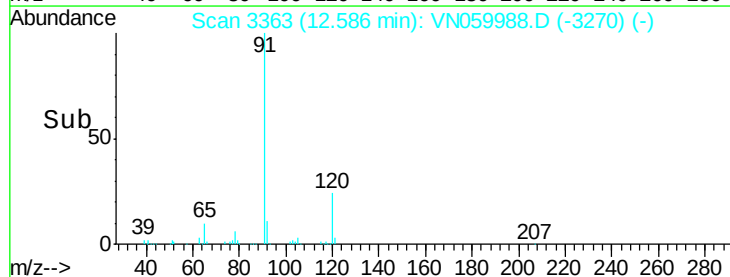
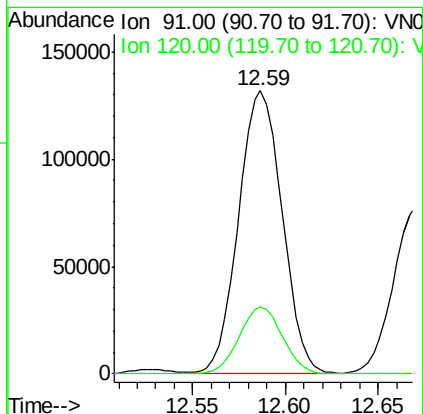
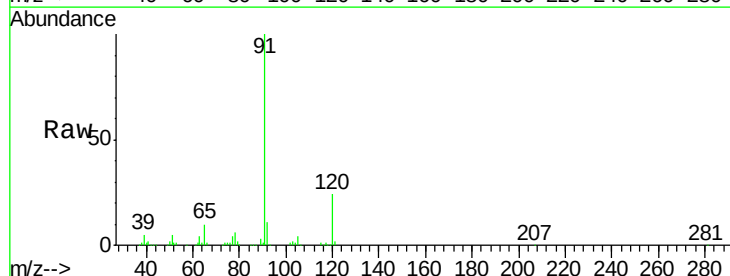
RT: 12.59 min Scan# 3363

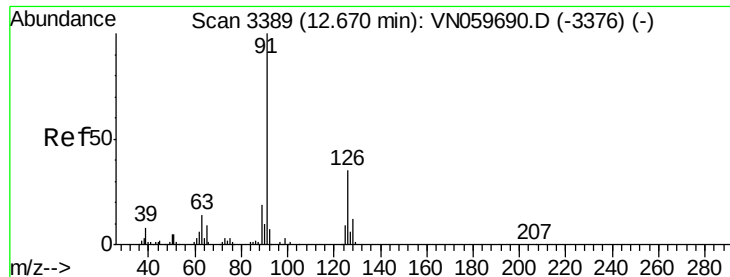
Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Tgt Ion:	91	Resp:	213672
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.1	33.3





#79

2-Chlorotoluene

Concen: 19.753 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBS01

Tot Ion: 91 Resp: 127538

Ion Ratio Lower Upper

91 100

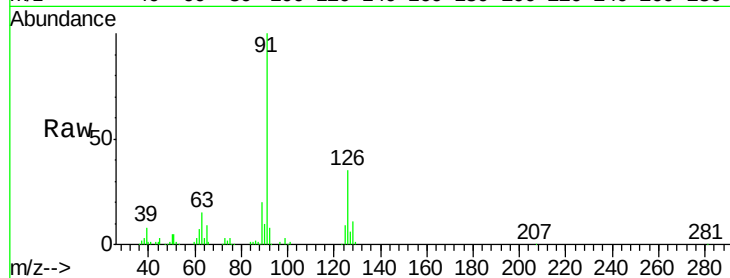
126 35.1 16.3 48.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059988.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059988.D (-3376) (-)

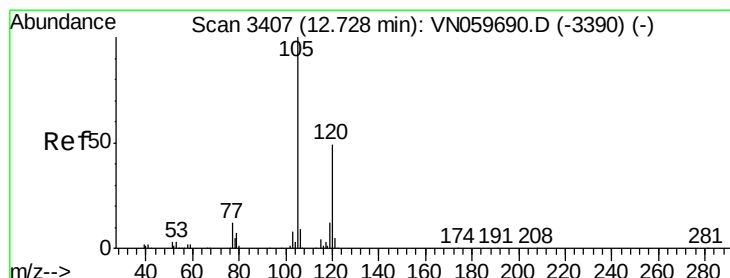
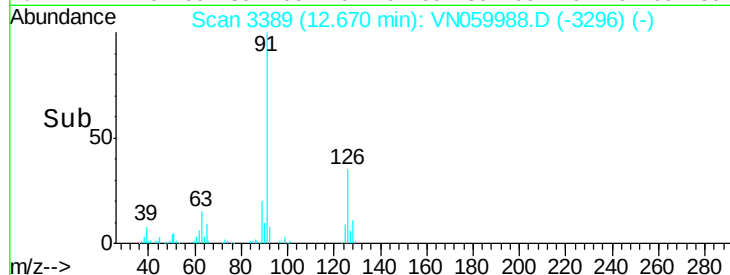
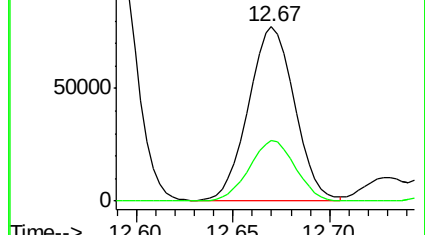
150000

100000

50000

0

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 19.400 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059988.D

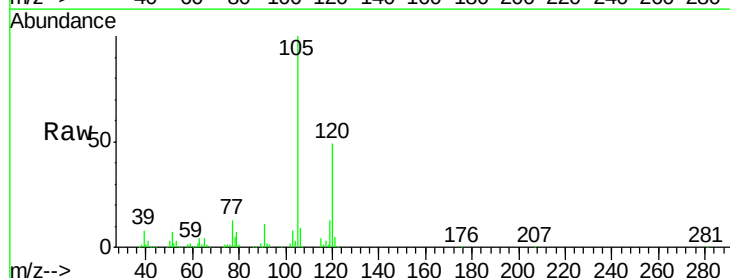
Acq: 4 Feb 2020 12:29

Tgt Ion: 105 Resp: 157767

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059988.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN059988.D (-3314) (-)

100000

80000

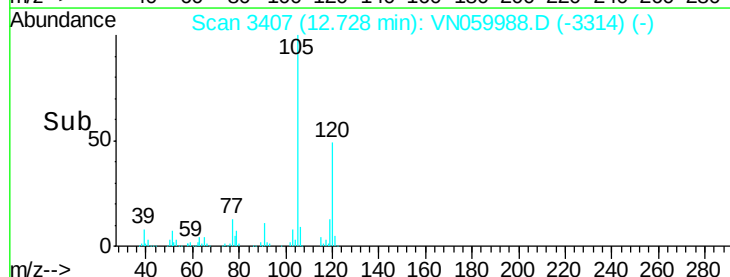
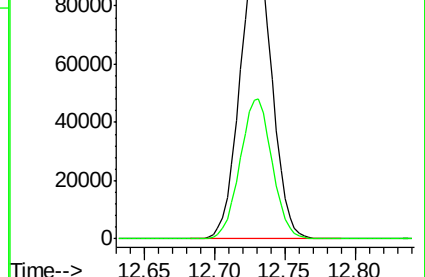
60000

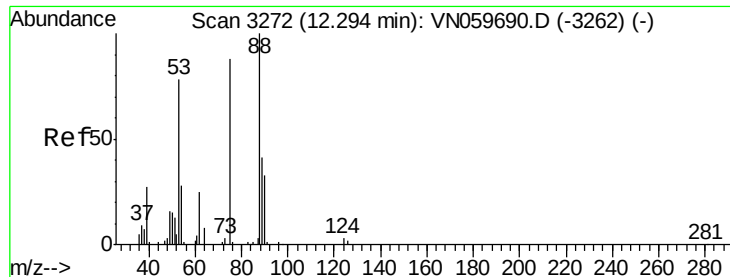
40000

20000

0

12.65 12.70 12.75 12.80





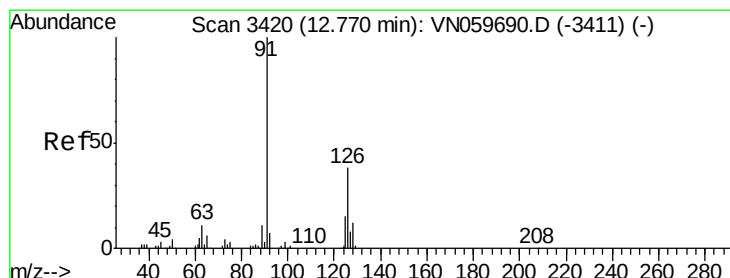
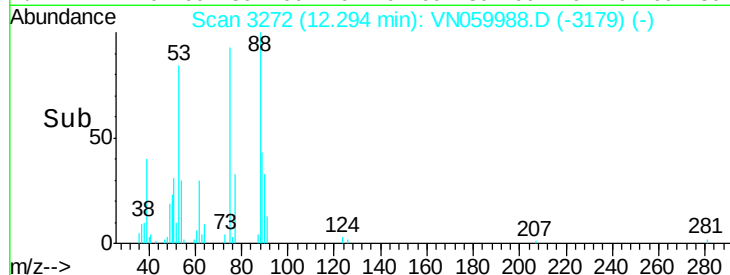
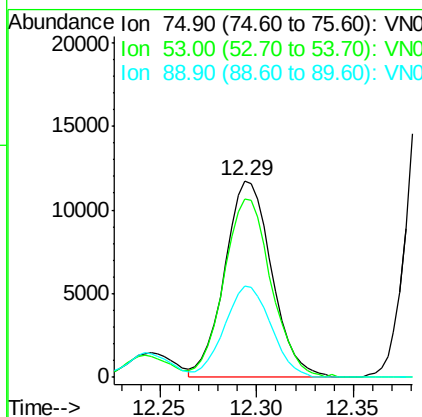
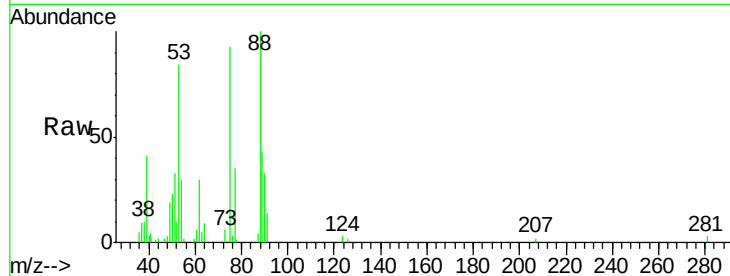
#81
trans-1,4-Dichloro-2-butene
Concen: 19.181 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.6	78.1	117.1
89	46.3	35.4	53.2

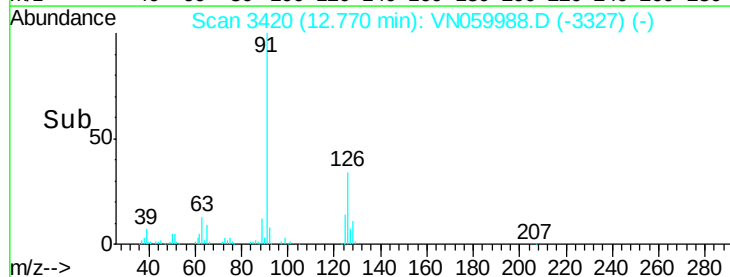
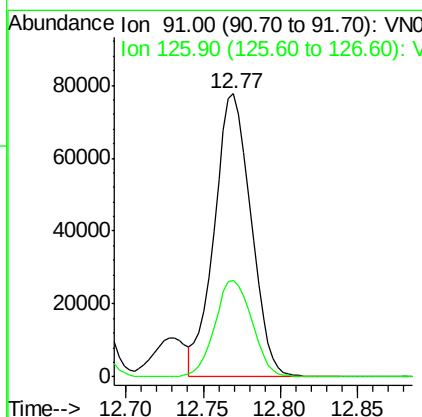
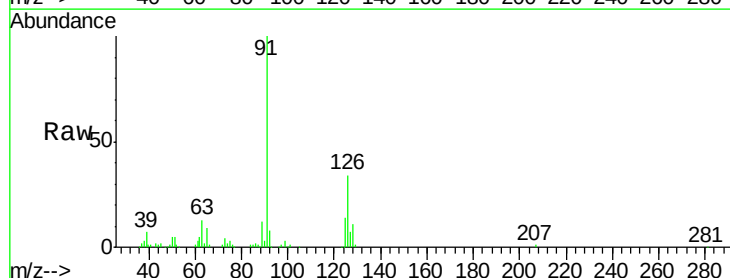
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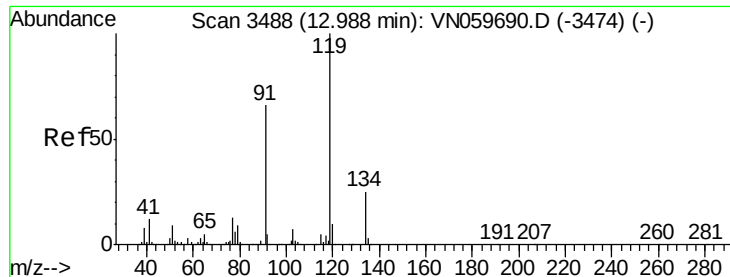
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.787 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.3	48.8





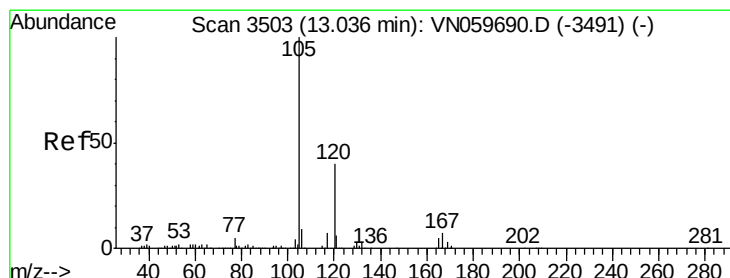
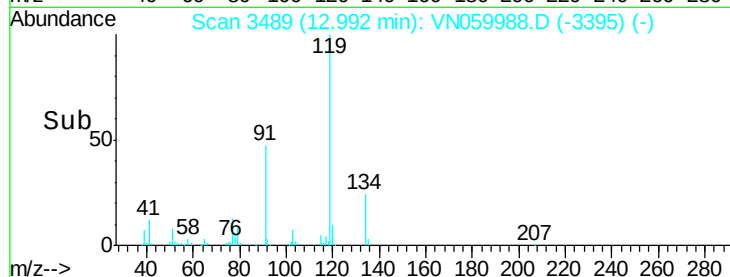
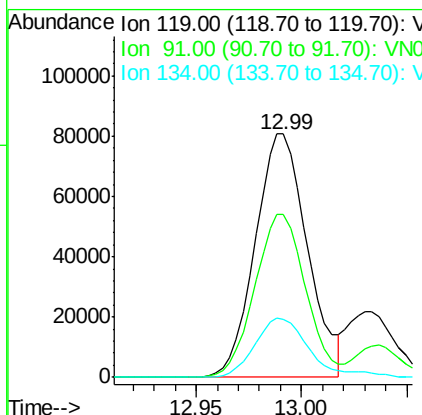
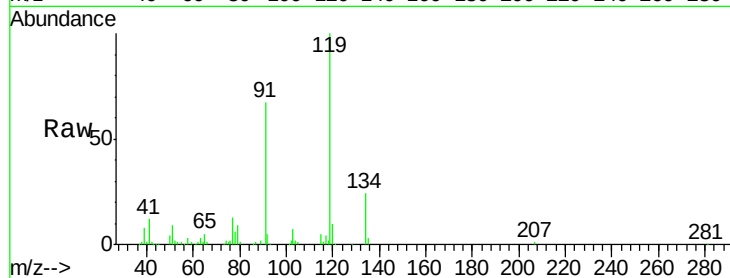
#83
 tert-Butylbenzene
 Concen: 19.769 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	34.8	104.4
134	25.4	12.3	36.9

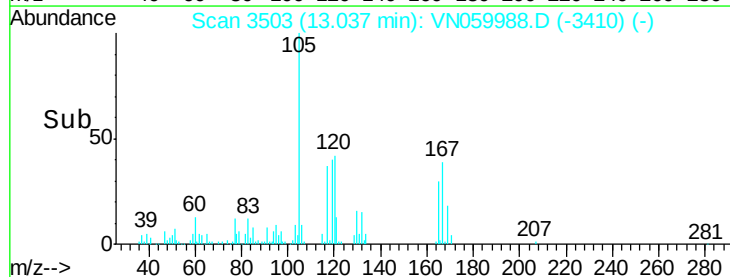
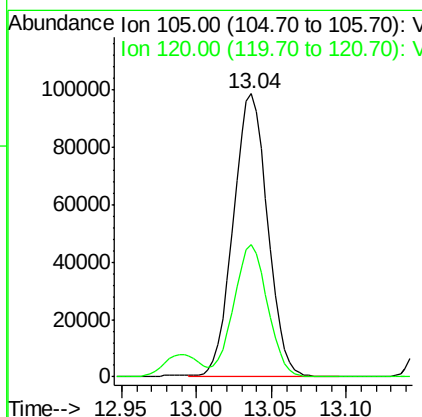
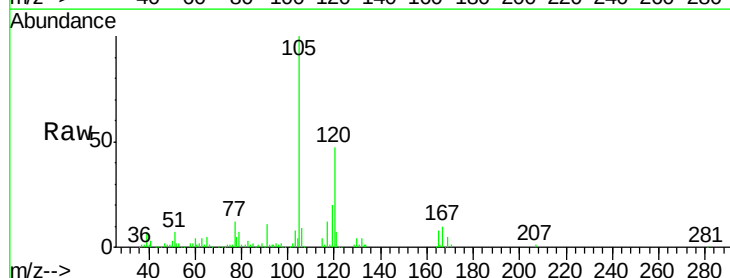
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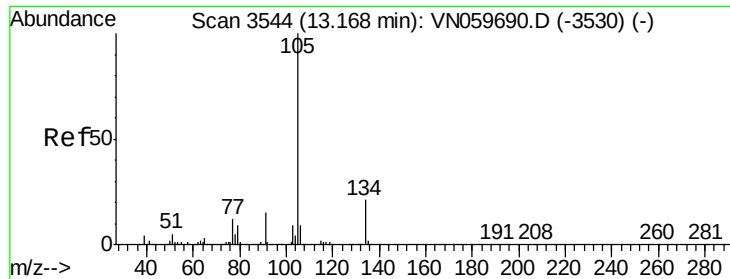
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.641 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.3	66.9





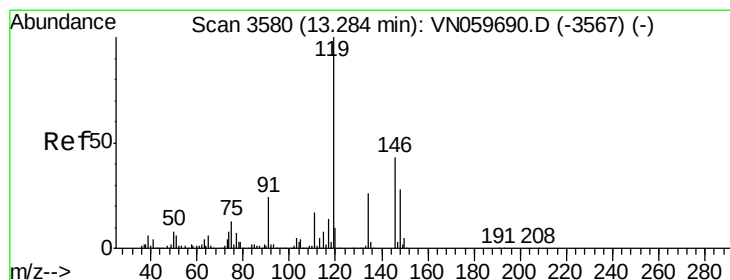
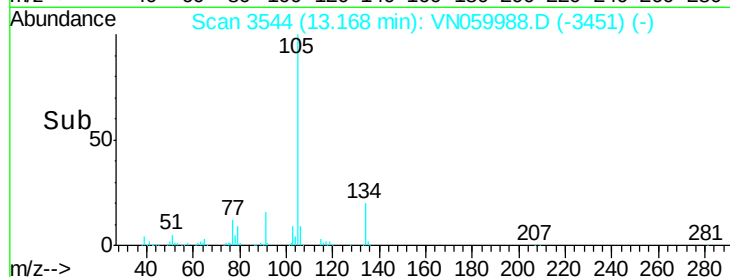
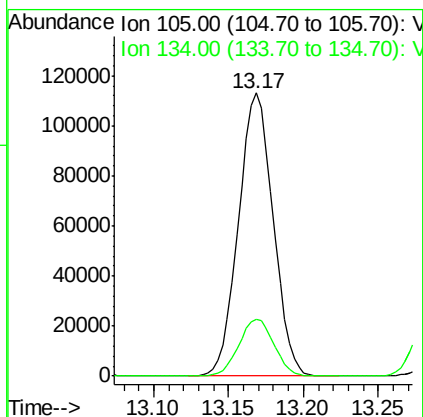
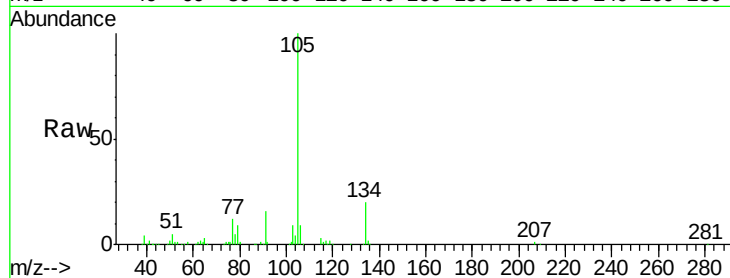
#85
 sec-Butylbenzene
 Concen: 19.749 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	182496		
134	20.3	9.8	29.5	

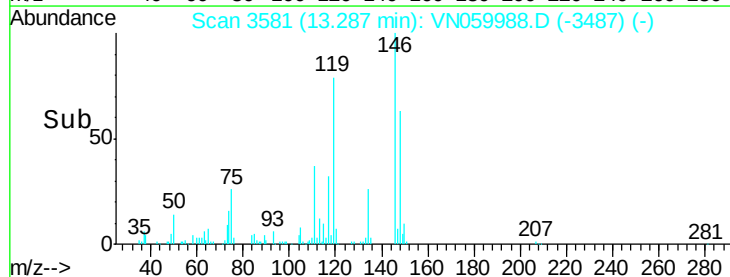
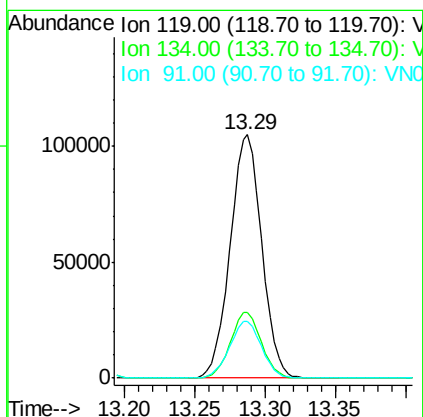
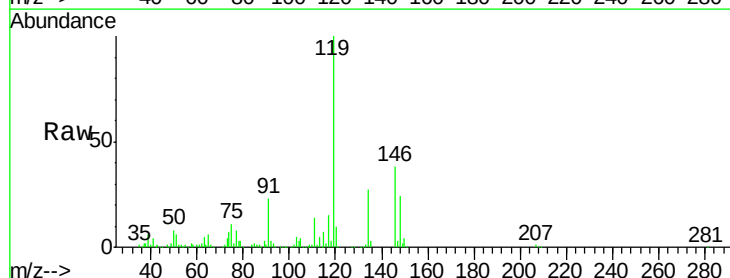
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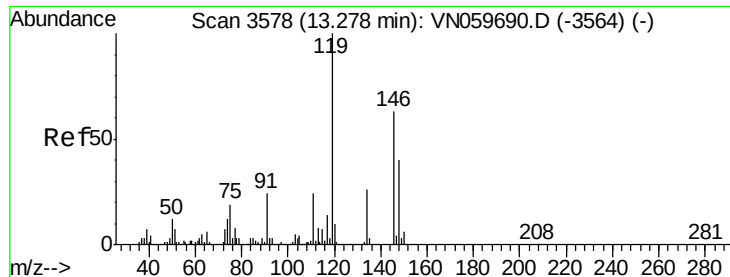
MMDadoda
 2/5/2020 12:21:02 PM



#86
 p-Isopropyltoluene
 Concen: 19.256 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	164648		
134	26.5	12.9	38.7	
91	23.6	12.4	37.4	





#87

1,3-Dichlorobenzene

Concen: 19.992 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Instrument :

MSVOA_N

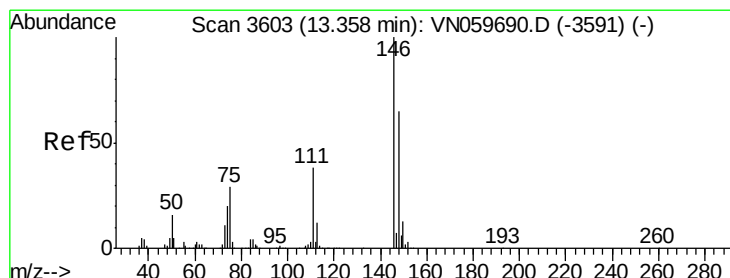
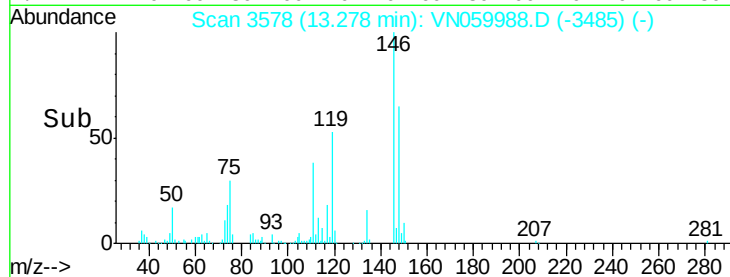
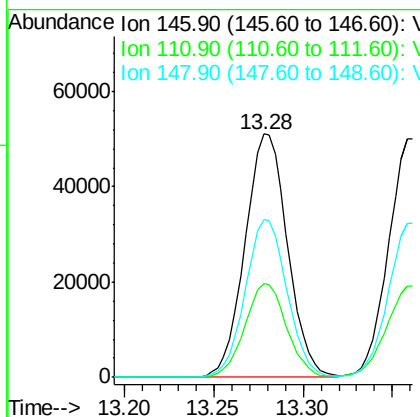
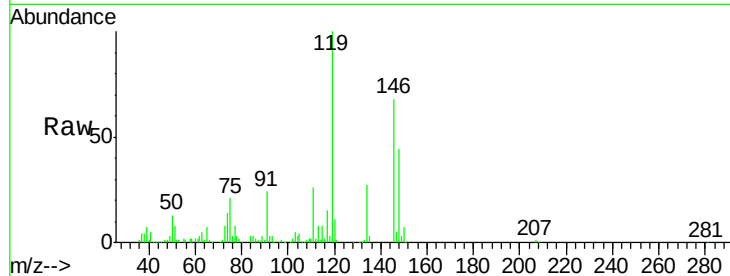
ClientSampled :

VN0204WBS01

Tot Ion:	146	Resp:	85037
Ion Ratio	Lower	Upper	
146	100		
111	37.9	20.8	62.2
148	63.6	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.670 ug/l

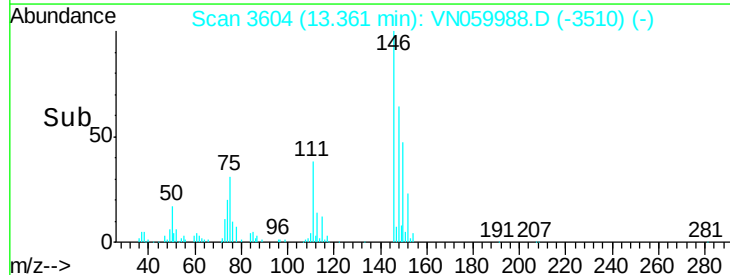
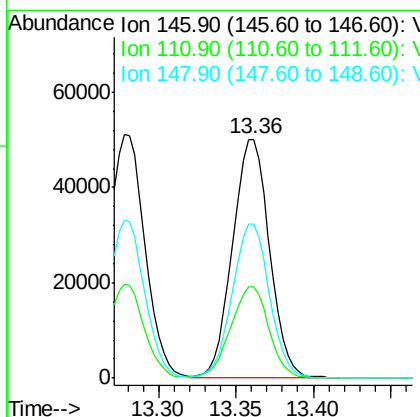
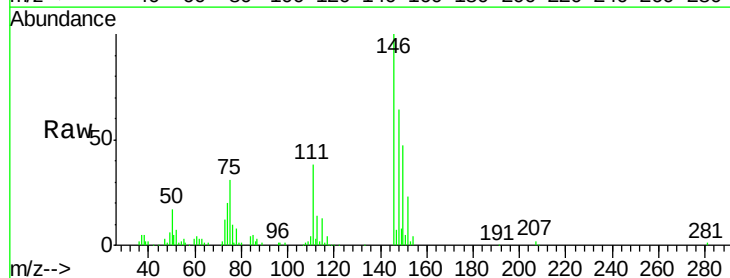
RT: 13.36 min Scan# 3604

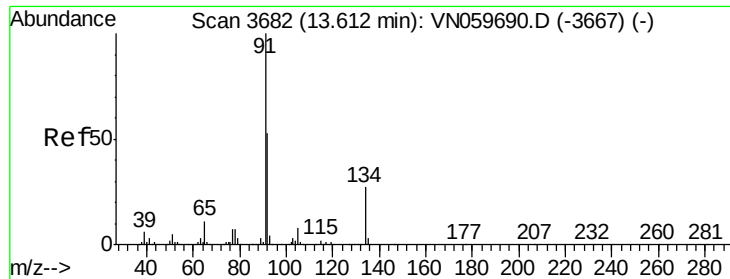
Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Tgt Ion:	146	Resp:	83465
Ion Ratio	Lower	Upper	
146	100		
111	39.5	20.8	62.2
148	64.8	31.8	95.4





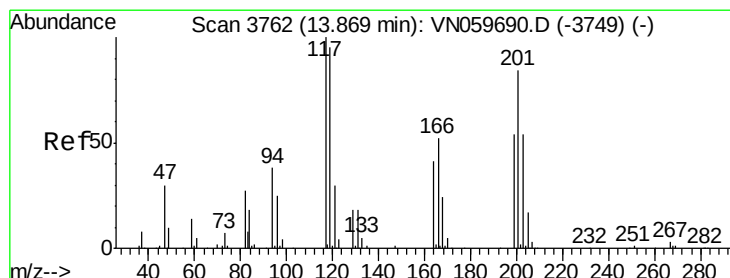
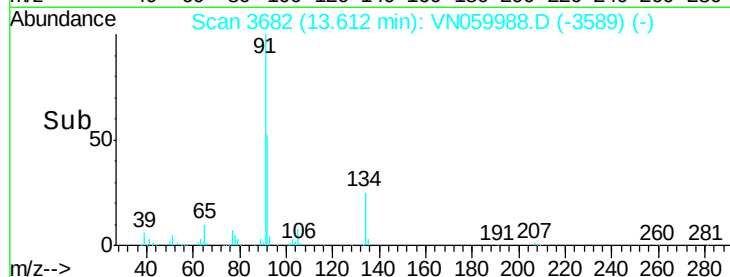
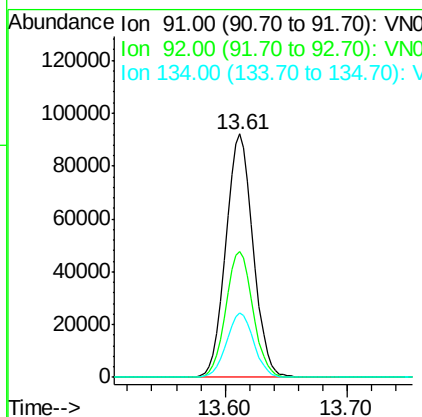
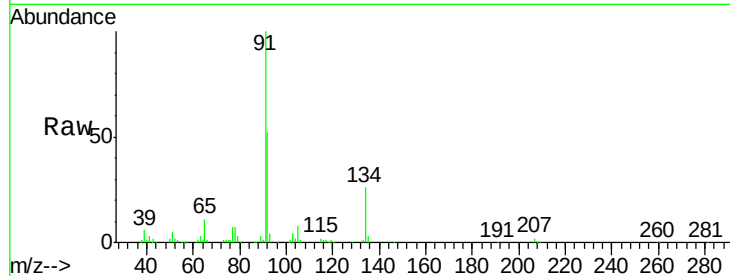
#89
n-Butylbenzene
Concen: 19.814 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.9	77.7
134	26.2	12.3	36.8

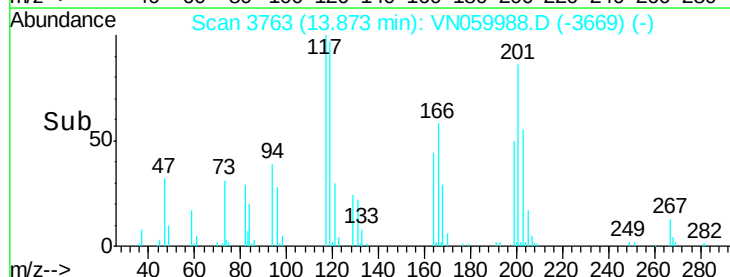
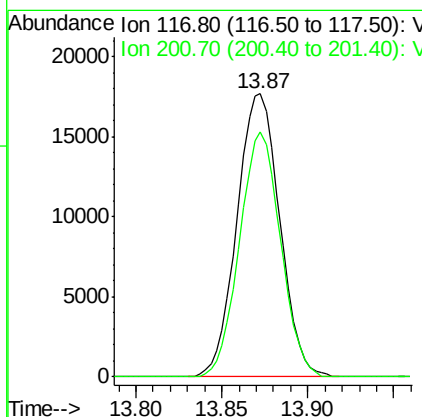
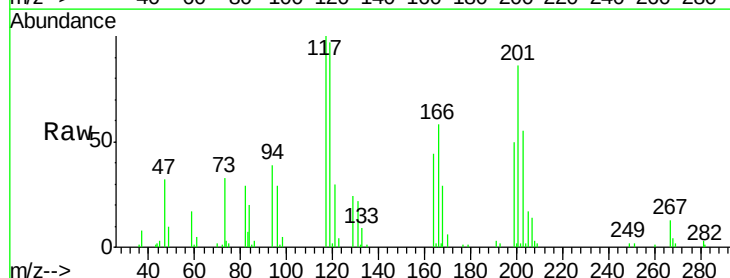
Manual Integrations
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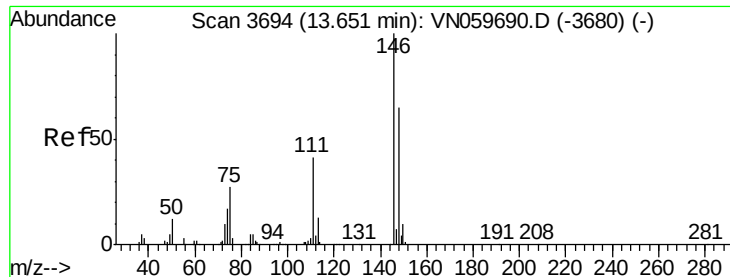
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#90
Hexachloroethane
Concen: 19.100 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.9	37.8	113.4





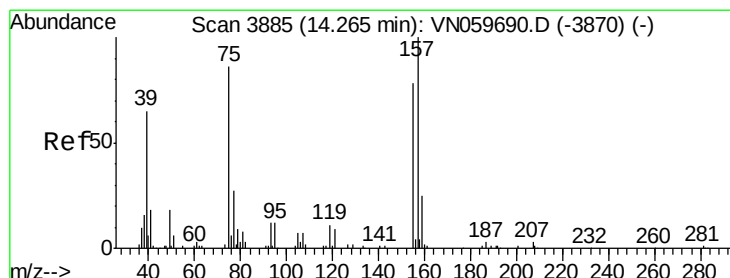
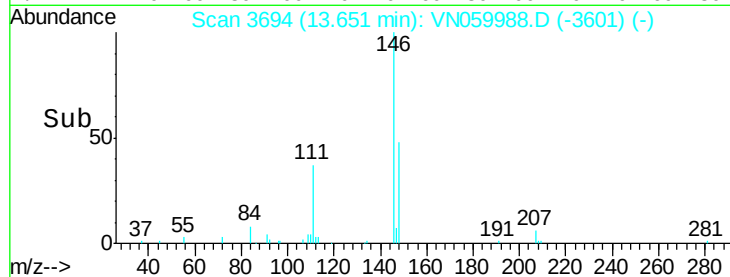
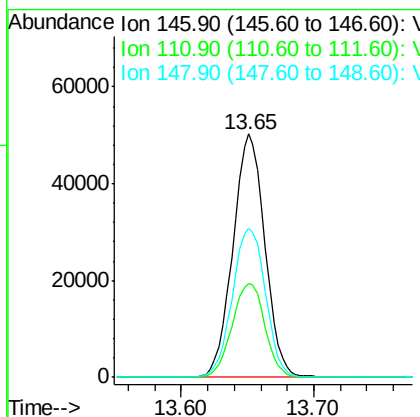
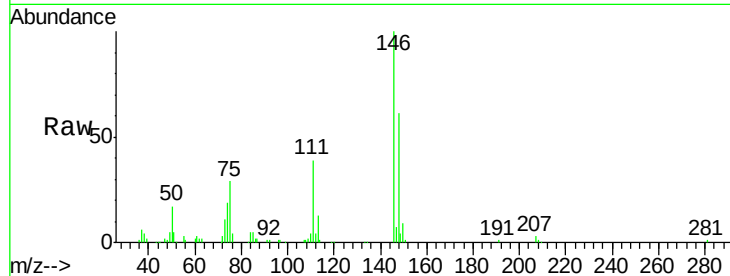
#91
 1,2-Dichlorobenzene
 Concen: 19.986 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	21.6	64.8
148	63.6	31.6	95.0

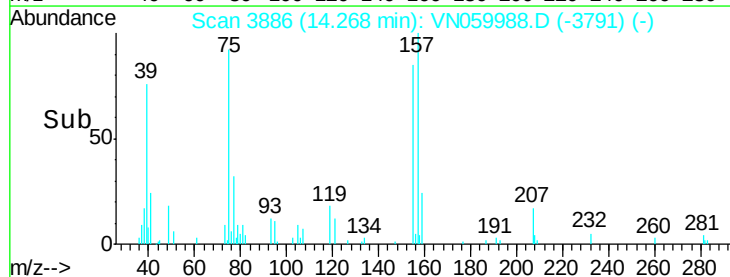
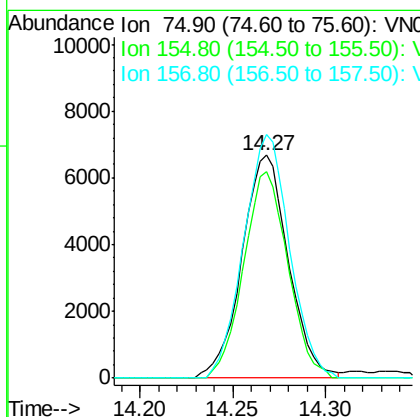
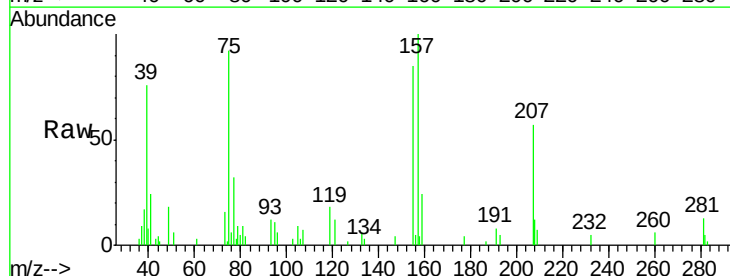
Manual Integrations
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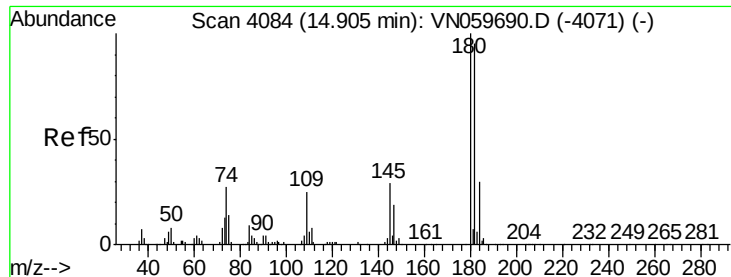
MMDadoda
 2/5/2020 12:21:02 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.093 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059988.D
 Acq: 4 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.9	37.0	110.9
157	107.6	48.4	145.2





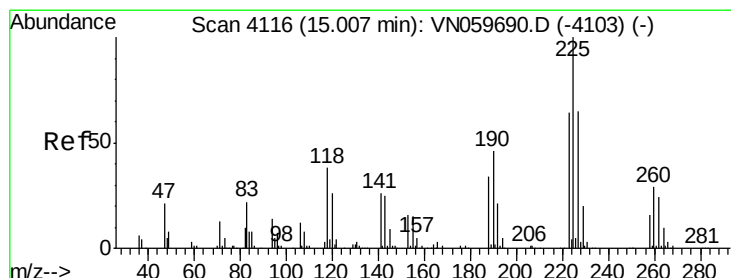
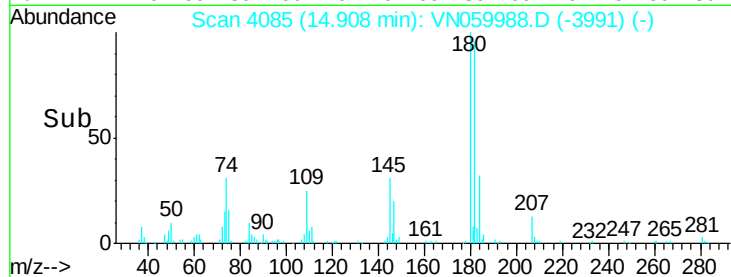
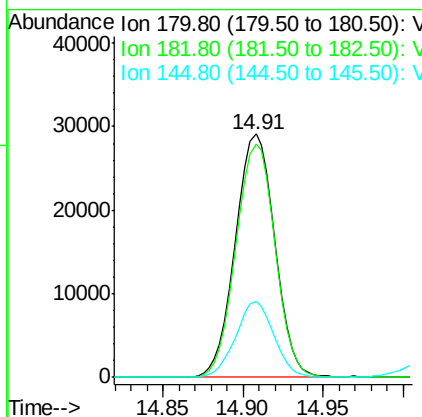
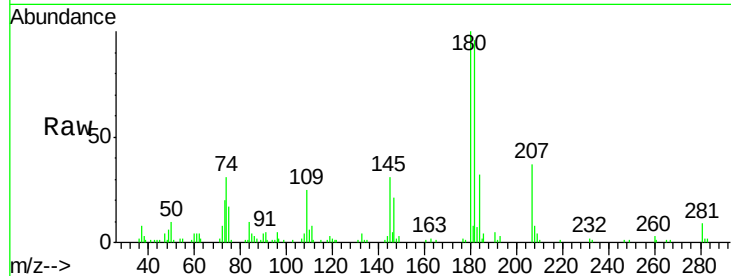
#93
1,2,4-Trichlorobenzene
Concen: 19.345 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	48881		
182	95.3	46.9	140.7	
145	30.1	15.0	45.1	

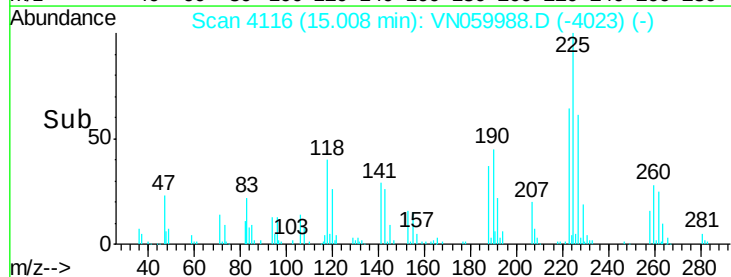
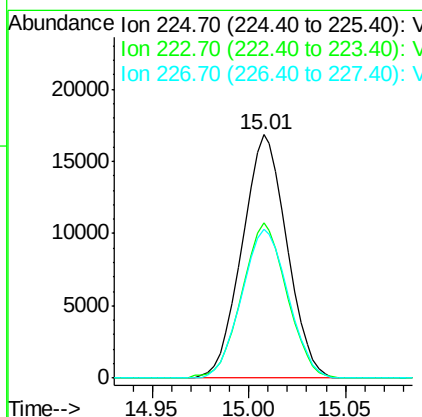
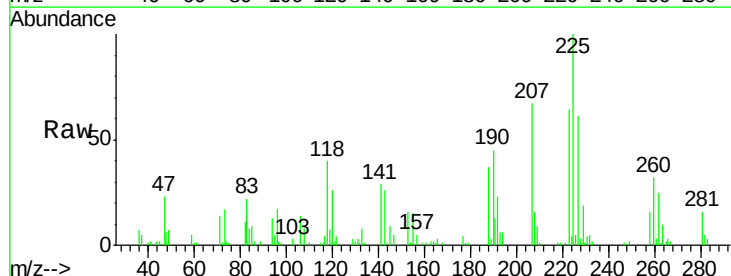
Manual Integrations
APPROVED

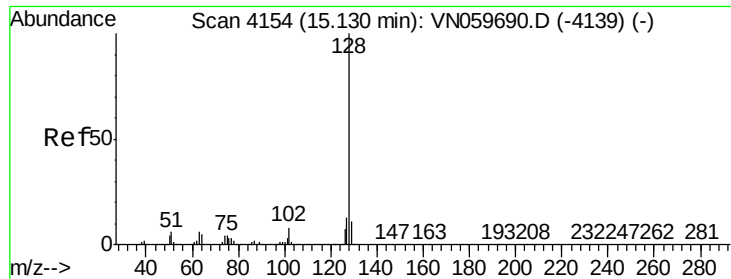
MMDadoda
2/5/2020 12:21:02 PM



#94
Hexachlorobutadiene
Concen: 19.460 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN059988.D
Acq: 4 Feb 2020 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27096		
223	64.1	31.8	95.3	
227	63.4	32.1	96.5	





#95

Naphthalene

Concen: 18.375 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Instrument :

MSVOA_N

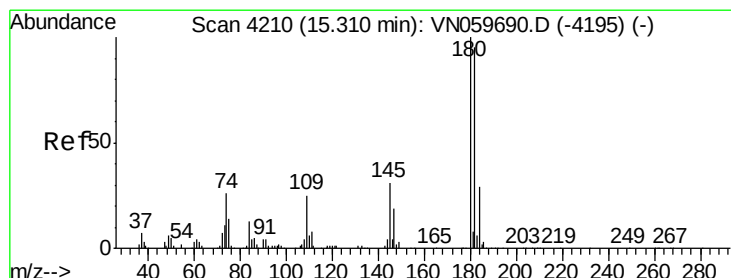
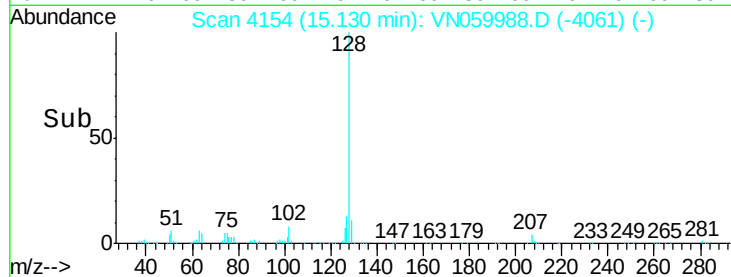
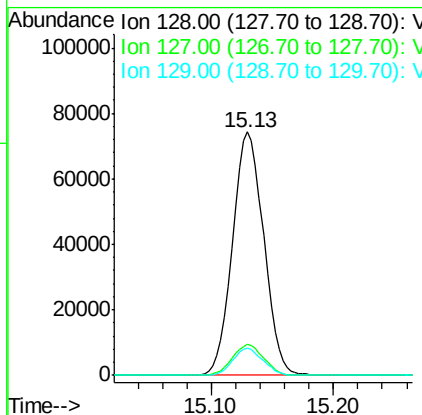
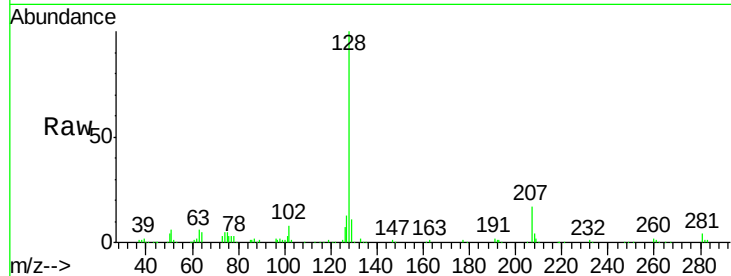
ClientSampled :

VN0204WBS01

Tot Ion:	128	Resp:	132062
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:21:02 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.531 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059988.D

Acq: 4 Feb 2020 12:29

Tgt Ion:	180	Resp:	48035
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.4	142.3
145	31.5	16.3	48.9

