

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN059991.D
 Acq On : 4 Feb 2020 13:49
 Operator : JC/MD
 Sample : VN0204MBSD01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:21:10 PM

Quant Time: Feb 05 02:22:39 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	203720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	323903	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	295252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140777	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	119904	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
35) Dibromofluoromethane	7.56	113	96992	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	10.08	98	360267	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
62) 4-Bromofluorobenzene	12.40	95	134050	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	42308	17.272	ug/l	98
3) Chloromethane	2.04	50	43916	18.829	ug/l	100
4) Vinyl Chloride	2.17	62	54406	20.388	ug/l	96
5) Bromomethane	2.55	94	33045	20.291	ug/l	98
6) Chloroethane	2.69	64	26065	20.645	ug/l	96
7) Trichlorofluoromethane	3.00	101	65617	20.474	ug/l	98
8) Diethyl Ether	3.39	74	24077	21.407	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	38258	21.449	ug/l	95
10) Methyl Iodide	3.93	142	48642	16.871	ug/l	96
11) Tert butyl alcohol	4.73	59	41933	110.102	ug/l	98
12) 1,1-Dichloroethene	3.72	96	36446	19.554	ug/l	92
13) Acrolein	3.58	56	15181	56.309	ug/l	97
14) Allyl chloride	4.30	41	53098	21.136	ug/l #	86
15) Acrylonitrile	4.95	53	95776	110.244	ug/l	100
16) Acetone	3.78	43	94898	117.686	ug/l	97
17) Carbon Disulfide	4.03	76	85628	16.128	ug/l	99
18) Methyl Acetate	4.29	43	60422	22.865	ug/l	94
19) Methyl tert-butyl Ether	5.01	73	131594	21.655	ug/l	97
20) Methylene Chloride	4.53	84	42600	20.037	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	38194	19.278	ug/l	89
22) Diisopropyl ether	5.92	45	122328	21.487	ug/l	94
23) Vinyl Acetate	5.86	43	471430	106.952	ug/l	95
24) 1,1-Dichloroethane	5.82	63	72846	20.941	ug/l	97
25) 2-Butanone	6.80	43	131025	102.270	ug/l	95
26) 2,2-Dichloropropane	6.80	77	68006	20.335	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	46410	20.366	ug/l	92
28) Bromochloromethane	7.17	49	27701	19.924	ug/l #	77
29) Tetrahydrofuran	7.18	42	83086	104.817	ug/l	89
30) Chloroform	7.35	83	77191	21.416	ug/l	96
31) Cyclohexane	7.63	56	62719	18.737	ug/l #	86
32) 1,1,1-Trichloroethane	7.55	97	69123	20.742	ug/l	96
36) 1,1-Dichloropropene	7.77	75	54236	19.228	ug/l	97
37) Ethyl Acetate	6.90	43	54390	20.559	ug/l	98
38) Carbon Tetrachloride	7.75	117	60493	19.715	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	62547	17.984	ug/l	93
40) Benzene	8.02	78	162040	19.262	ug/l	99
41) Methacrylonitrile	7.15	41	24864m	19.081	ug/l	
42) 1,2-Dichloroethane	8.10	62	59783	20.960	ug/l	98
43) Isopropyl Acetate	8.14	43	91979	20.213	ug/l	94
44) Trichloroethene	8.82	130	45487	19.807	ug/l	95
45) 1,2-Dichloropropane	9.10	63	42468	20.401	ug/l	99
46) Dibromomethane	9.19	93	29905	20.366	ug/l	93
47) Bromodichloromethane	9.39	83	60333	20.389	ug/l	97
48) Methyl methacrylate	9.18	41	39320	19.318	ug/l	90
49) 1,4-Dioxane	9.18	88	15343	411.773	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	272149	103.460	ug/l	96
52) Toluene	10.14	92	103646	19.506	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	67098	20.308	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	71677	20.618	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	43675	20.753	ug/l	95
56) Ethyl methacrylate	10.42	69	62286	19.370	ug/l	93
57) 1,3-Dichloropropane	10.70	76	68662	20.551	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	101664	104.964	ug/l	93
59) 2-Hexanone	10.74	43	200112	103.264	ug/l	96
60) Dibromochloromethane	10.89	129	48304	20.156	ug/l	99
61) 1,2-Dibromoethane	11.00	107	44712	20.271	ug/l	99
64) Tetrachloroethene	10.62	164	46111	19.162	ug/l	94
65) Chlorobenzene	11.43	112	114881	19.796	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	45850	20.447	ug/l	98
67) Ethyl Benzene	11.51	91	204915	19.451	ug/l	96
68) m/p-Xylenes	11.62	106	153217	38.502	ug/l	96
69) o-Xylene	11.94	106	75395	19.352	ug/l	96
70) Styrene	11.96	104	120697	18.514	ug/l	97
71) Bromoform	12.12	173	35940	20.009	ug/l #	98
73) Isopropylbenzene	12.25	105	203889	19.748	ug/l	100
74) N-amyl acetate	12.07	43	77283	19.291	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	60416	20.185	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	59006m	24.906	ug/l	
77) Bromobenzene	12.52	156	56280	21.526	ug/l	76
78) n-propylbenzene	12.59	91	229588	19.812	ug/l	98
79) 2-Chlorotoluene	12.67	91	135683	19.682	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	167154	19.251	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	21099	19.125	ug/l	99
82) 4-Chlorotoluene	12.77	91	138572	20.040	ug/l	96
83) tert-Butylbenzene	12.99	119	150198	20.001	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	167510	19.500	ug/l	98
85) sec-Butylbenzene	13.17	105	193703	19.632	ug/l	99
86) p-Isopropyltoluene	13.28	119	175949	19.273	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	89421	19.689	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	89951	19.853	ug/l	99
89) n-Butylbenzene	13.61	91	152992	19.654	ug/l	98
90) Hexachloroethane	13.87	117	32539	19.050	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	88560	19.724	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13861	20.337	ug/l	92

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ClientSampleId :
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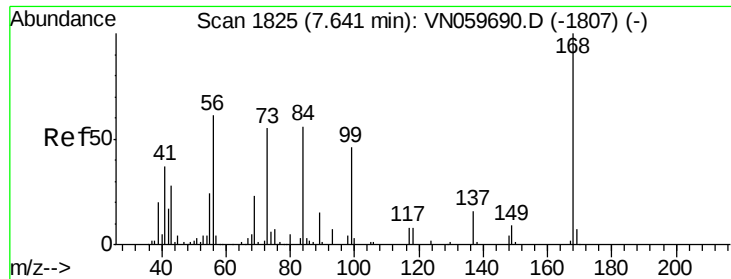
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	54000	20.016	ug/l	97
94) Hexachlorobutadiene	15.01	225	28214	18.977	ug/l	98
95) Naphthalene	15.13	128	156192	20.354	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	53347	20.315	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBS01

Tot Ion:168 Resp: 203720

Ion Ratio Lower Upper

168 100

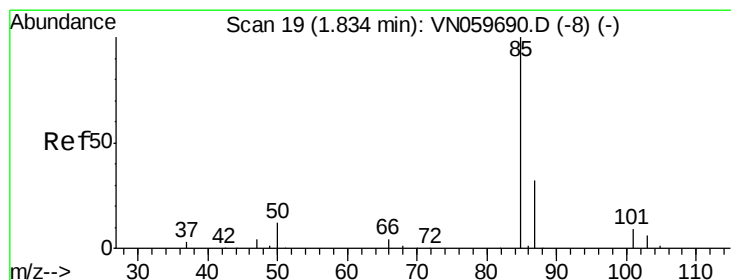
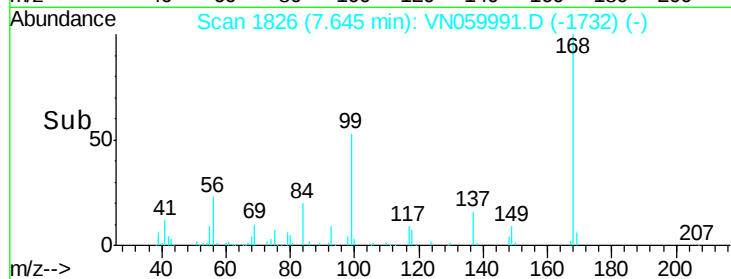
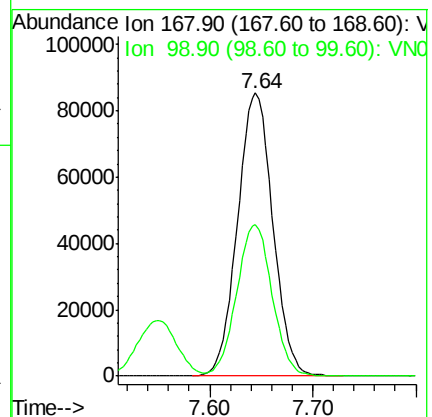
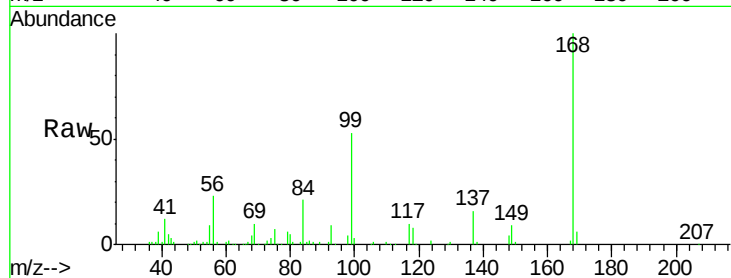
99 53.4 48.2 72.4

Manual Integrations

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2/5/2020 12:21:10 PM



#2

Dichlorodifluoromethane

Concen: 17.272 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059991.D

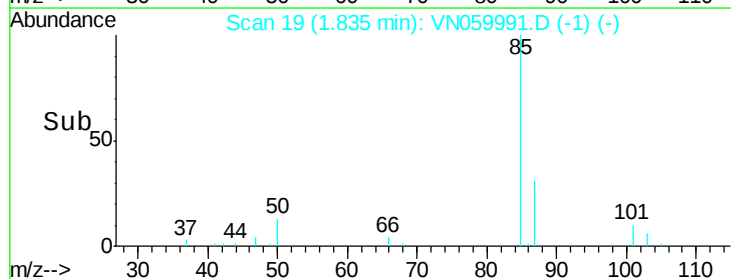
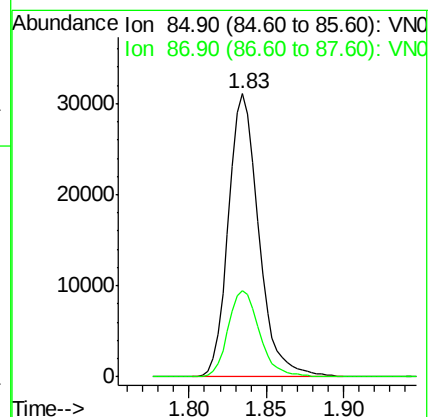
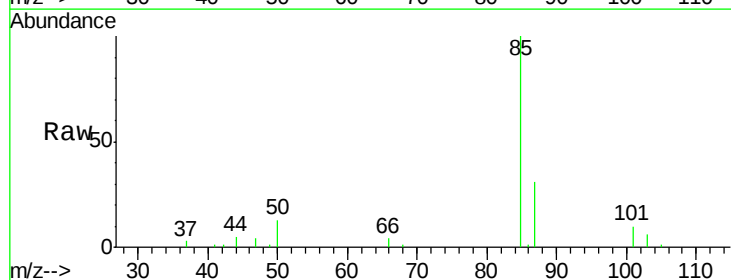
Acq: 4 Feb 2020 13:49

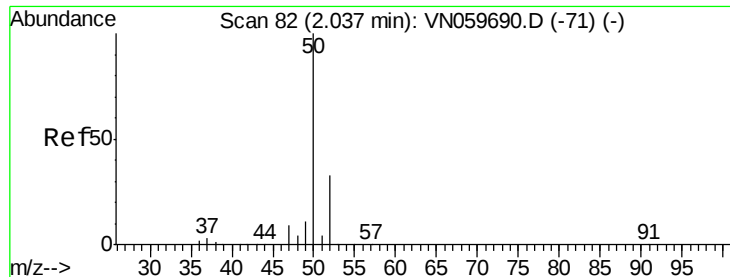
Tgt Ion: 85 Resp: 42308

Ion Ratio Lower Upper

85 100

87 30.7 15.9 47.7





#3

Chloromethane

Concen: 18.829 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

Tot Ion: 50 Resp: 43916

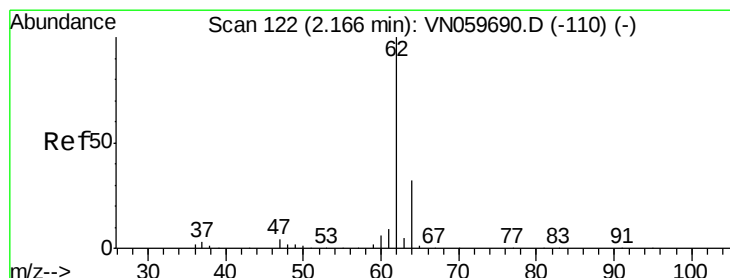
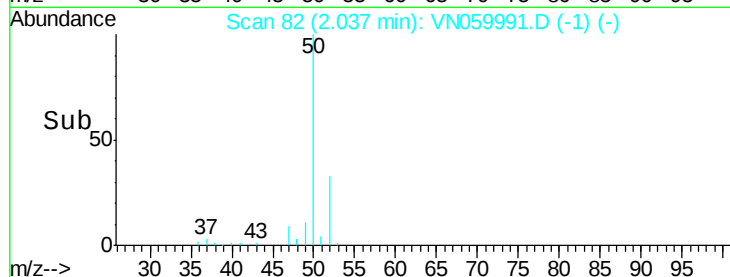
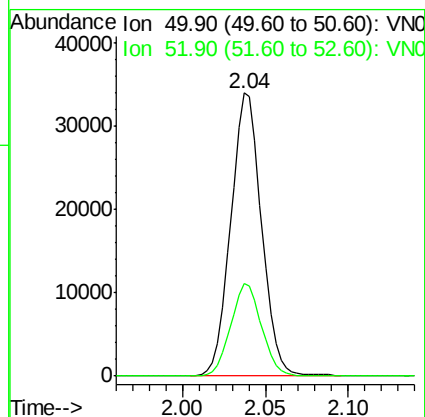
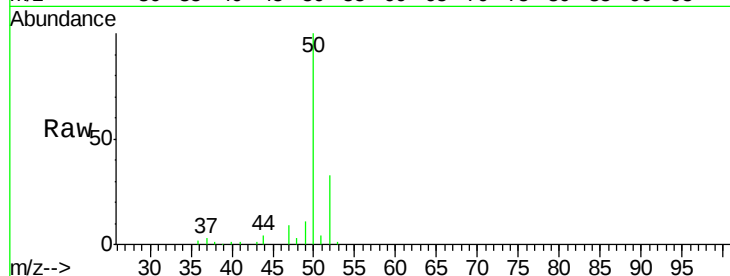
Ion Ratio Lower Upper

50 100

52 32.6 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.388 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059991.D

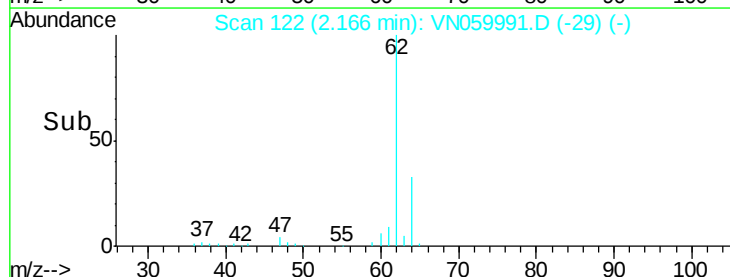
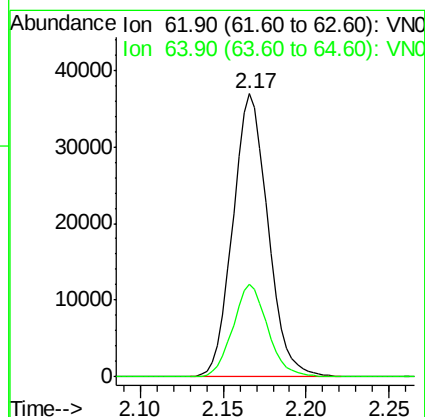
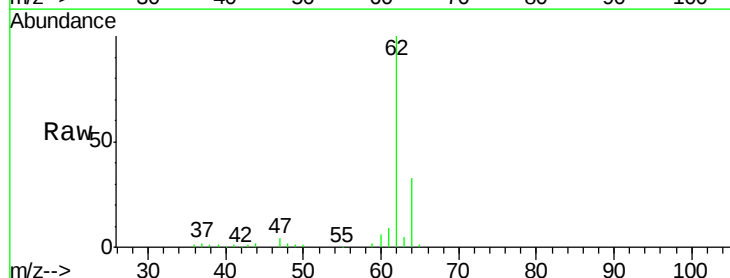
Acq: 4 Feb 2020 13:49

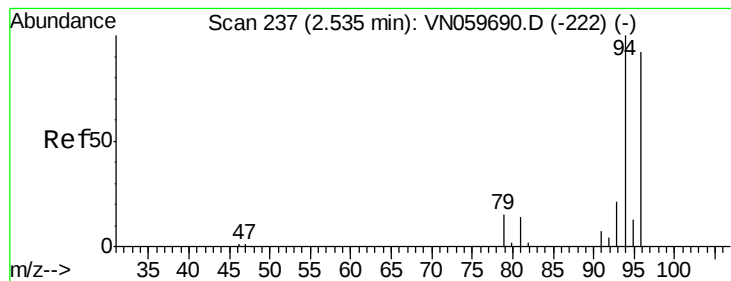
Tgt Ion: 62 Resp: 54406

Ion Ratio Lower Upper

62 100

64 32.8 24.6 37.0





#5

Bromomethane

Concen: 20.291 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampled :

VN0204MBSD01

Tot Ion: 94 Resp: 33045

Ion Ratio Lower Upper

94 100

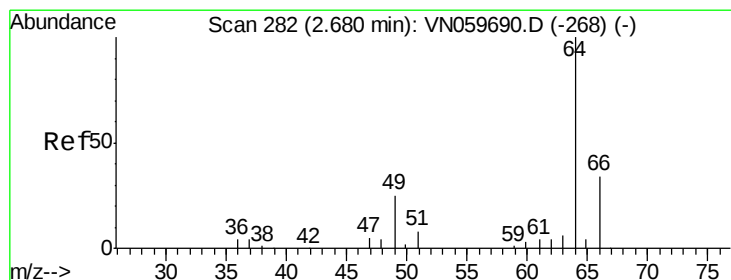
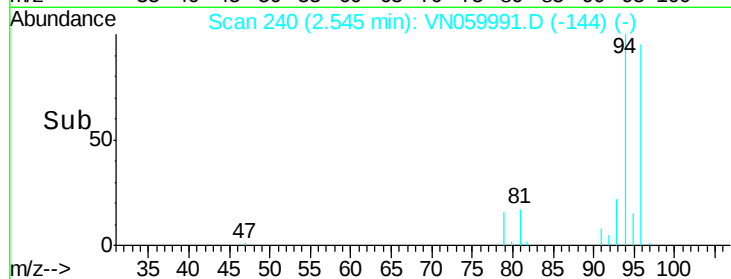
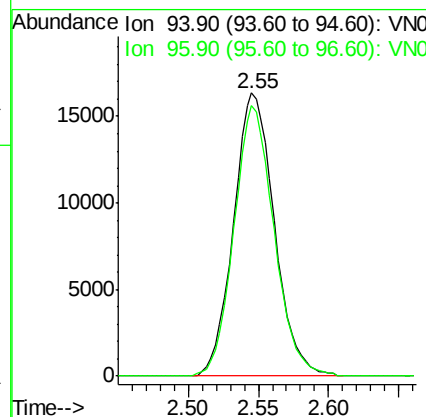
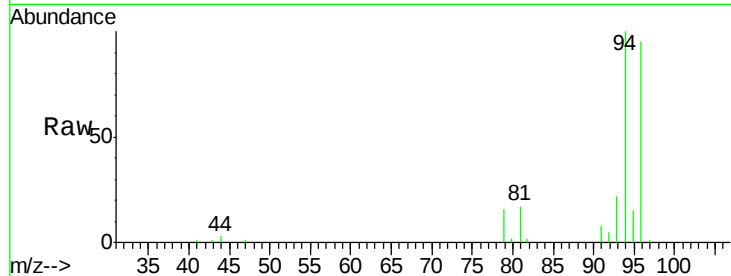
96 95.5 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 20.645 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059991.D

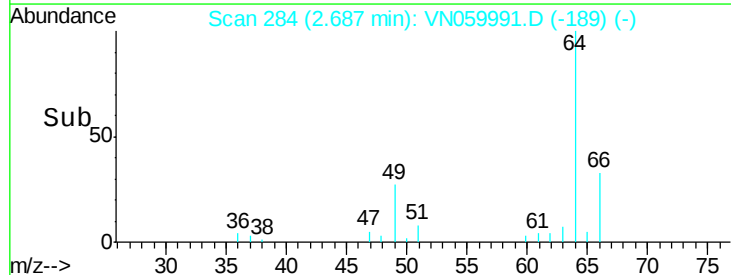
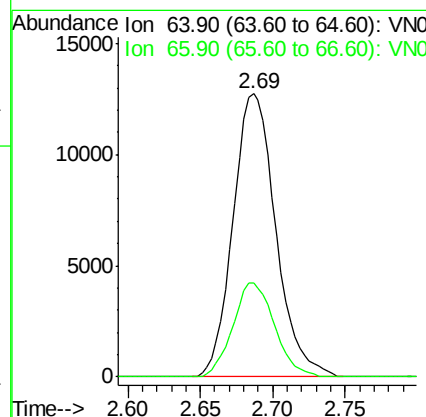
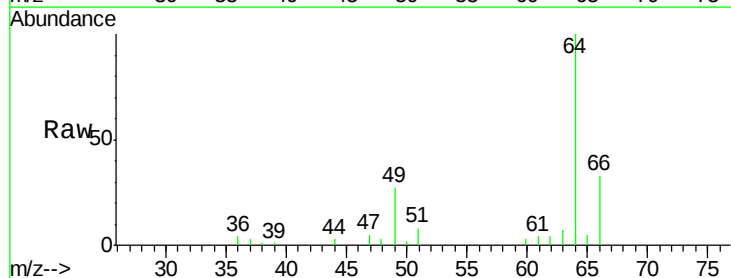
Acq: 4 Feb 2020 13:49

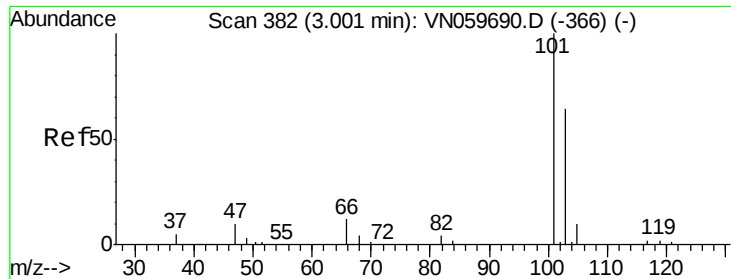
Tgt Ion: 64 Resp: 26065

Ion Ratio Lower Upper

64 100

66 33.4 25.1 37.7





#7

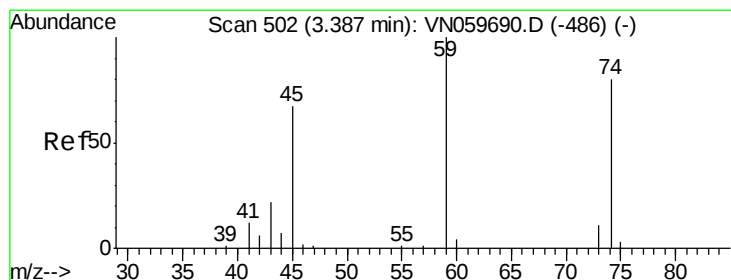
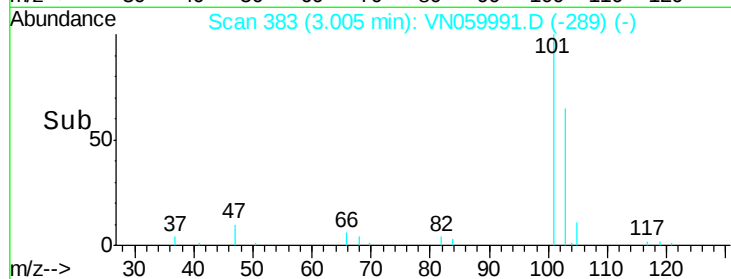
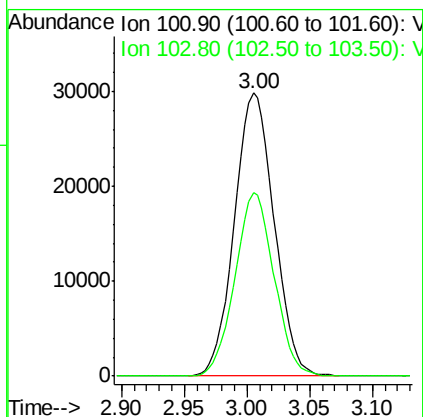
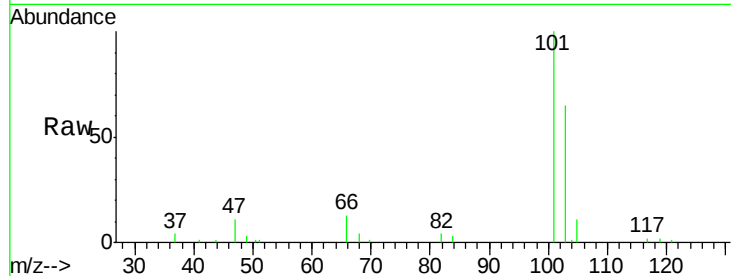
Trichlorofluoromethane
Concen: 20.474 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
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ClientSampleId :
VN0204MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.0	76.6

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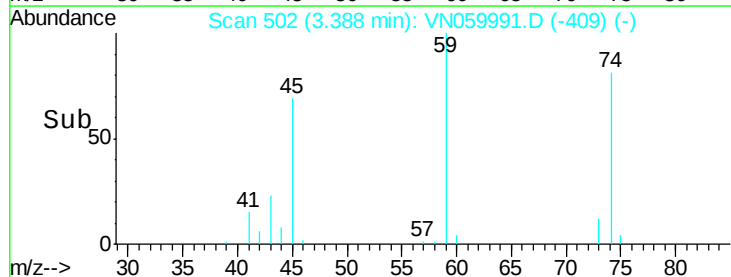
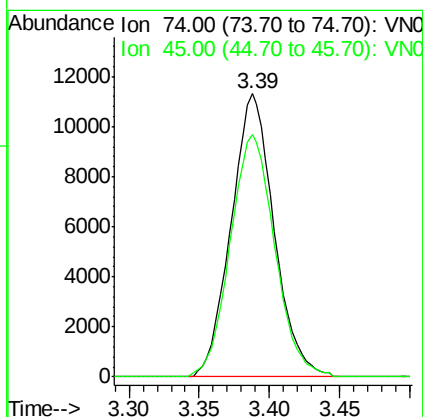
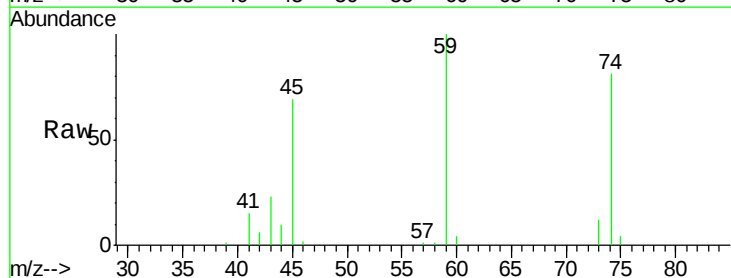
MMDadoda
2/5/2020 12:21:10 PM

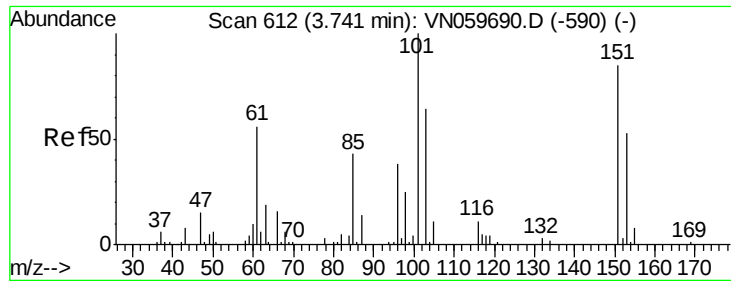


#8

Diethyl Ether
Concen: 21.407 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.7	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.449 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

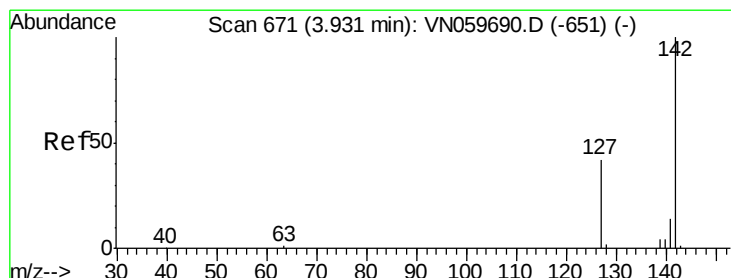
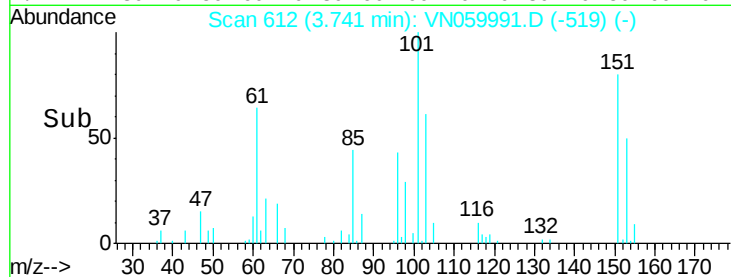
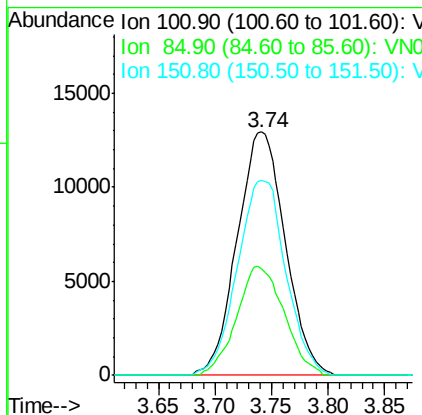
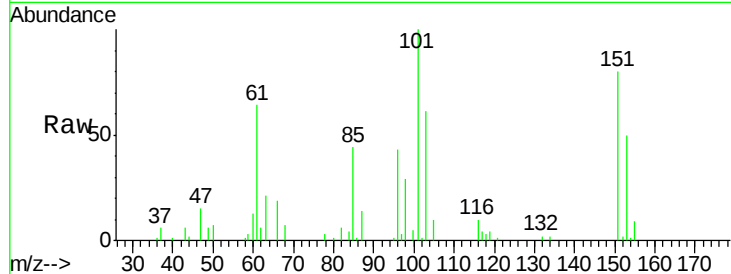
ClientSampleId :

VN0204MBSD01

Tot Ion:	101	Resp:	38258
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.6	54.8
151	80.8	59.7	89.5

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#10

Methyl Iodide

Concen: 16.871 ug/l

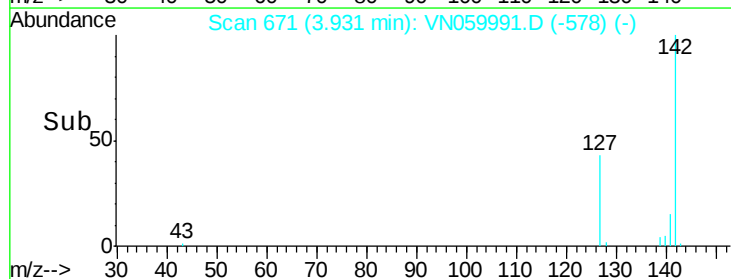
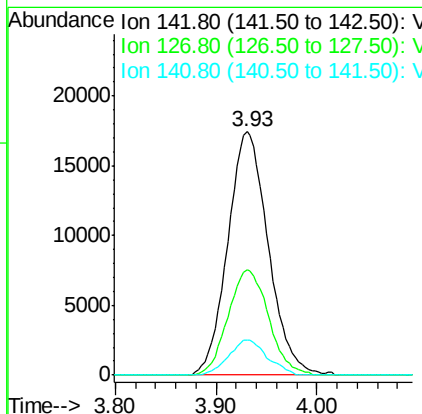
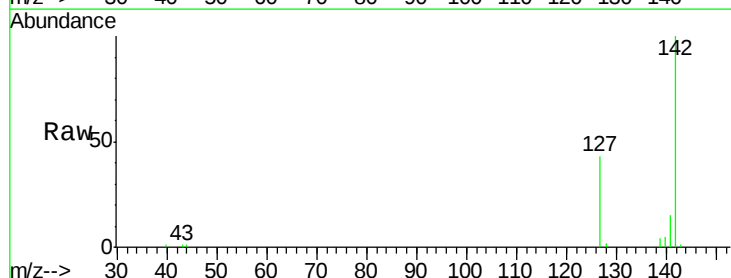
RT: 3.93 min Scan# 671

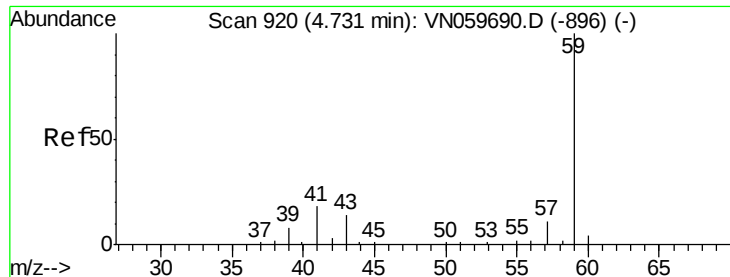
Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Tgt Ion:	142	Resp:	48642
Ion Ratio	Lower	Upper	
142	100		
127	43.3	36.7	55.1
141	13.7	11.7	17.5





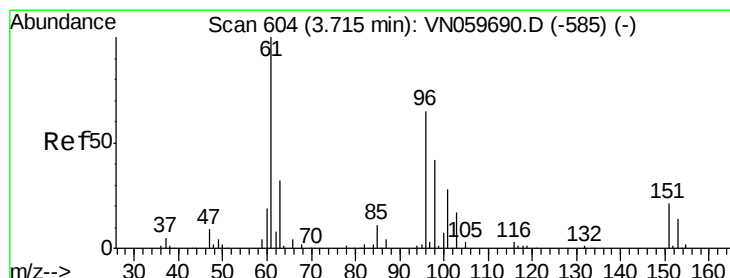
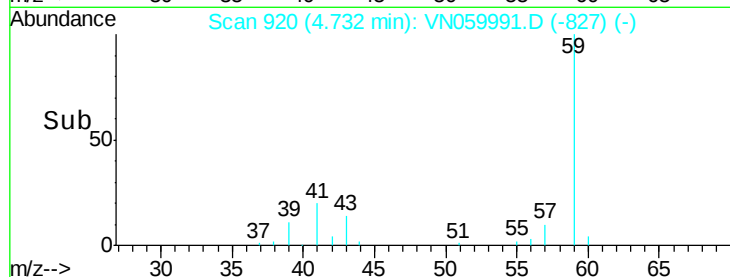
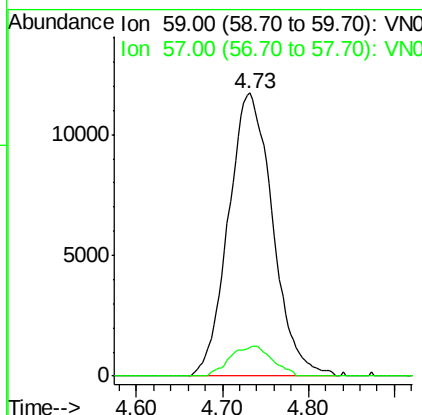
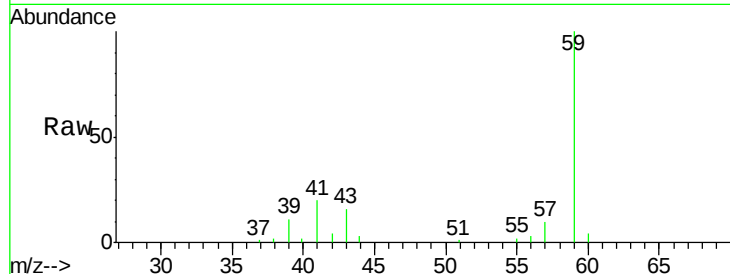
#11
Tert butyl alcohol
Concen: 110.102 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0204MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.6	12.8

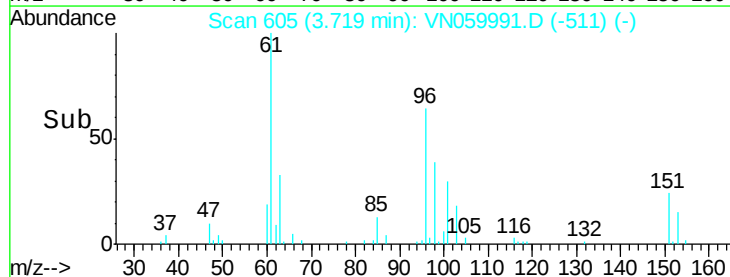
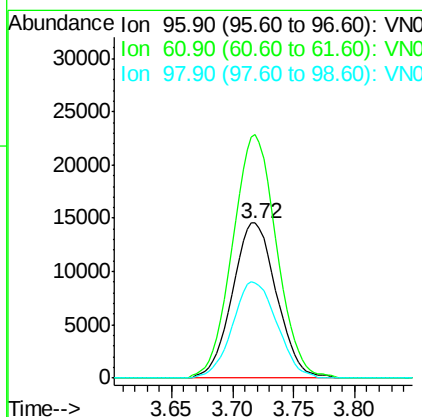
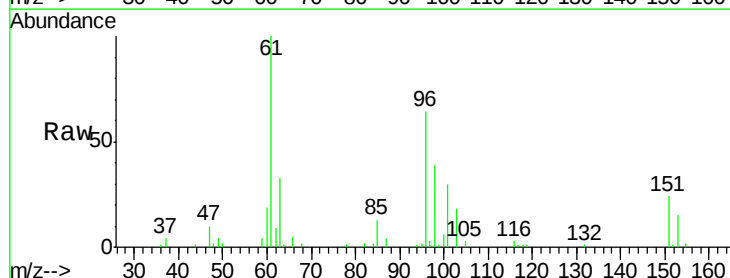
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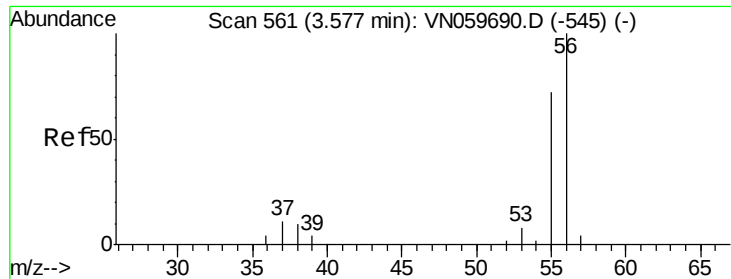
MMDadoda
2/5/2020 12:21:10 PM



#12
1,1-Dichloroethene
Concen: 19.554 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.9	137.5	206.3
98	61.4	50.2	75.4





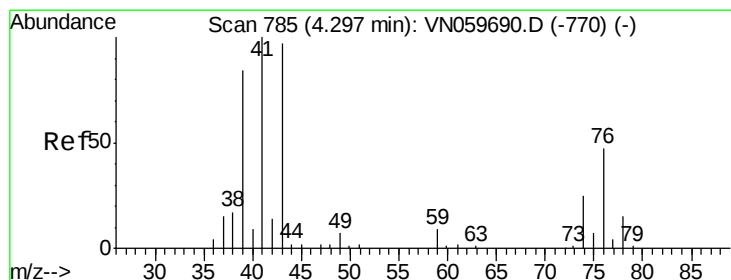
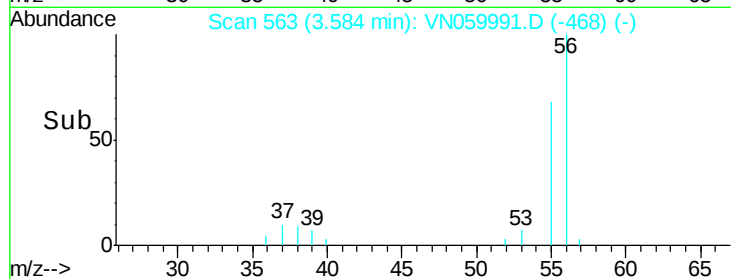
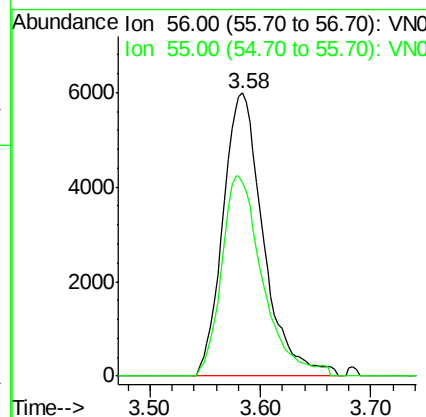
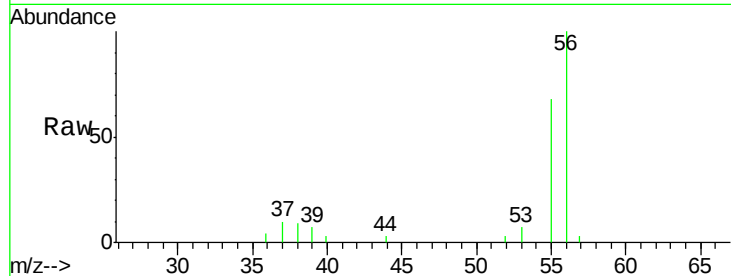
#13
Acrolein
Concen: 56.309 ug/l
RT: 3.58 min Scan# 563
Delta R.T. 0.01 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0204MBSD01

Tot Ion: 56 Resp: 15181
Ion Ratio Lower Upper
56 100
55 70.8 58.6 88.0

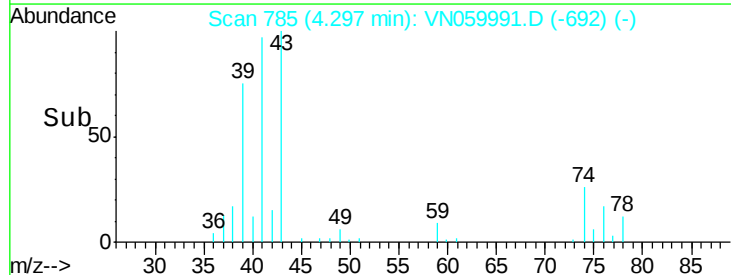
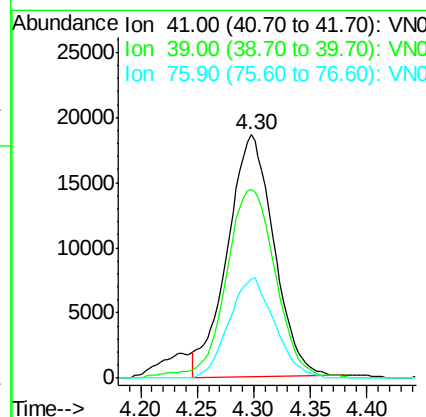
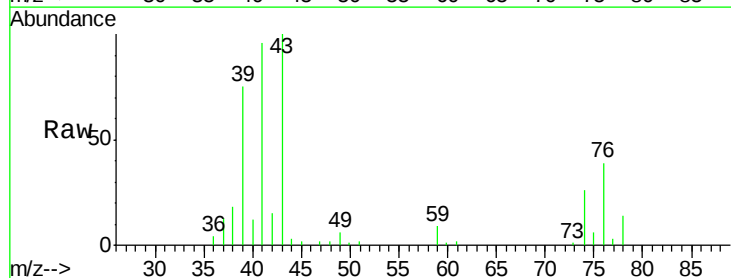
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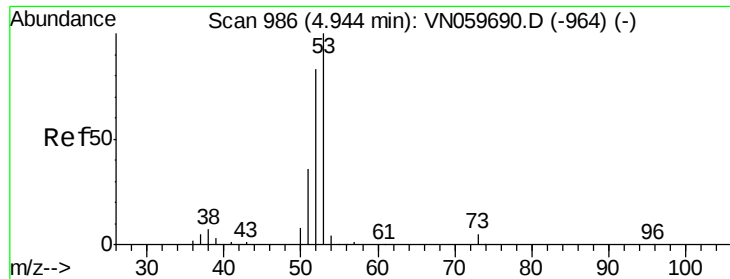
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#14
Allyl chloride
Concen: 21.136 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion: 41 Resp: 53098
Ion Ratio Lower Upper
41 100
39 83.3 57.8 86.8
76 40.6 25.4 38.0#





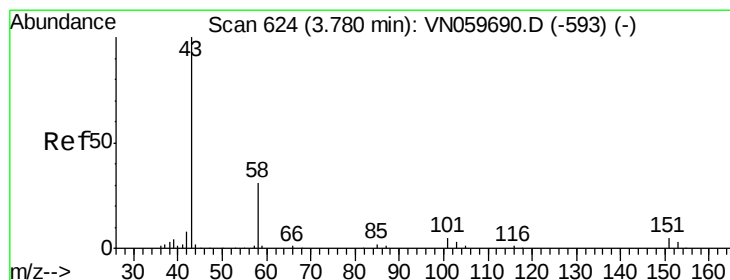
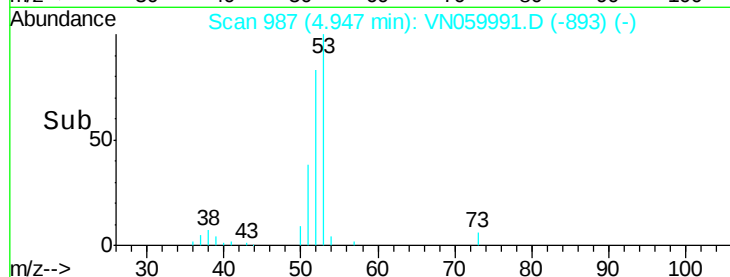
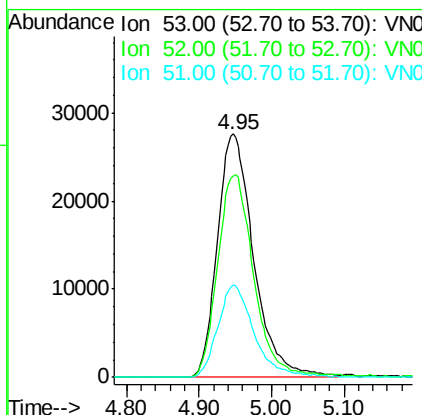
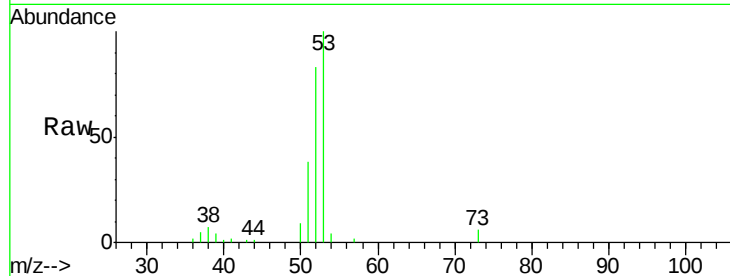
#15
 Acrylonitrile
 Concen: 110.244 ug/l
 RT: 4.95 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.3	99.5
51	37.5	29.7	44.5

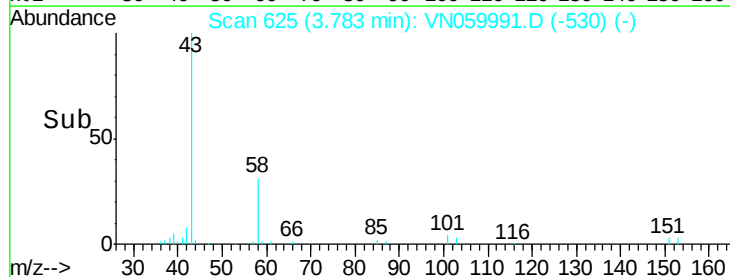
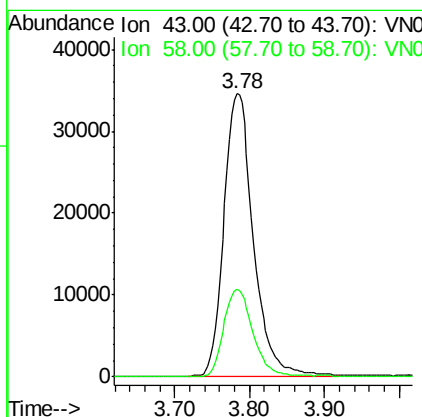
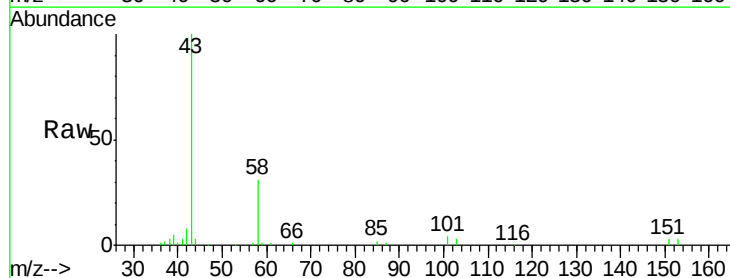
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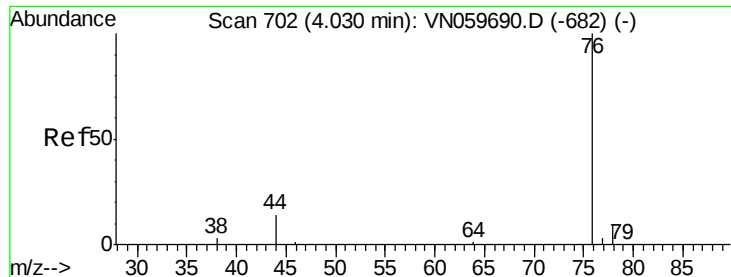
MMDadoda
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#16
 Acetone
 Concen: 117.686 ug/l
 RT: 3.78 min Scan# 625
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.1	23.6	35.4





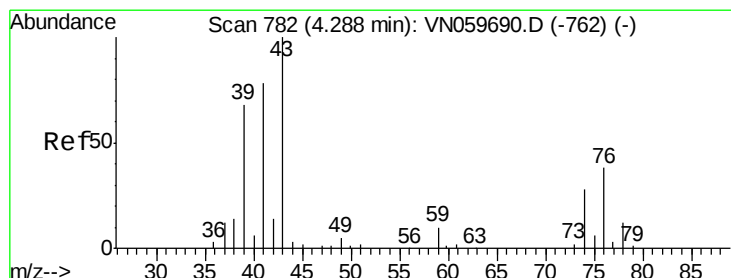
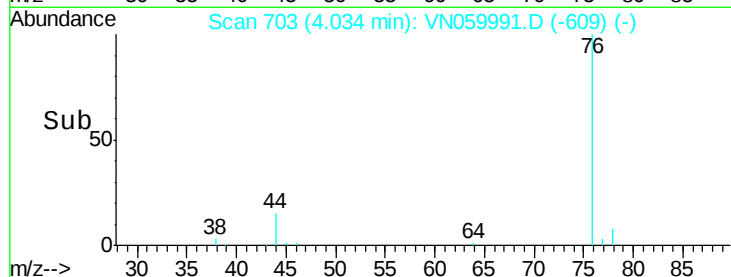
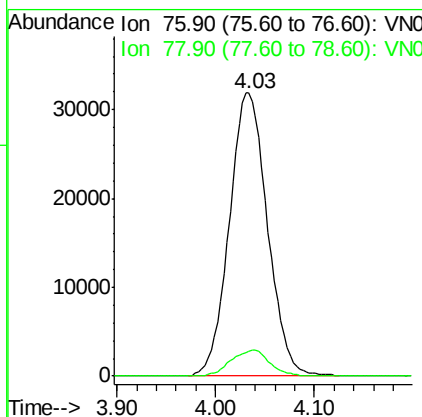
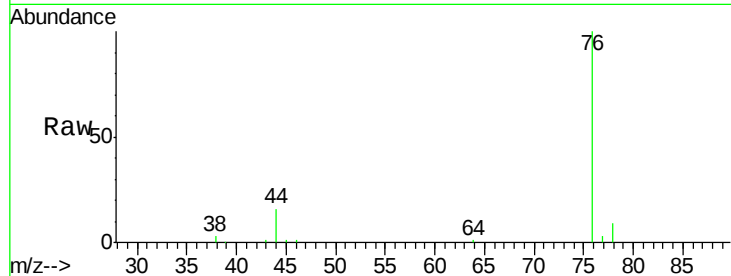
#17
Carbon Disulfide
Concen: 16.128 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0204MBSD01

Tot Ion: 76 Resp: 85628
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0

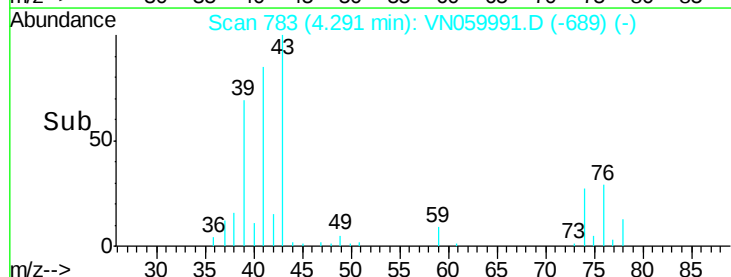
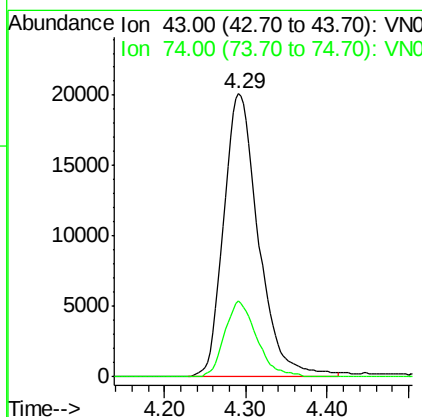
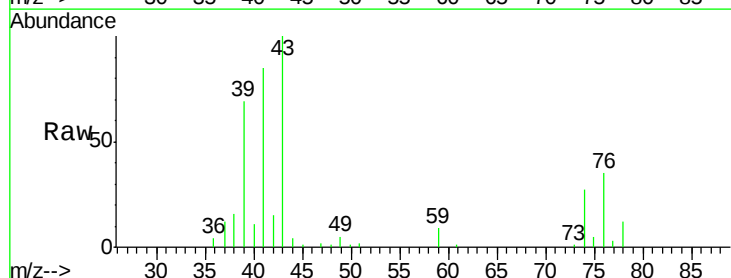
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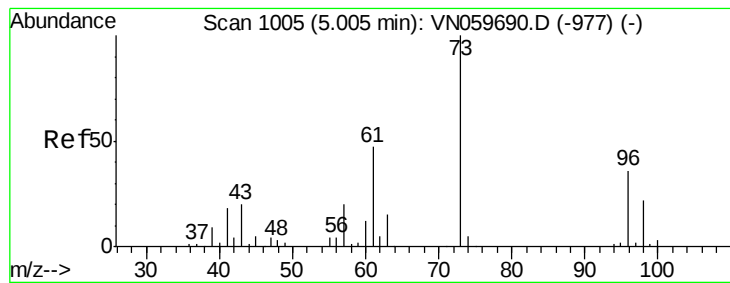
MMDadoda
2/5/2020 12:21:10 PM



#18
Methyl Acetate
Concen: 22.865 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion: 43 Resp: 60422
Ion Ratio Lower Upper
43 100
74 24.7 17.5 26.3





#19

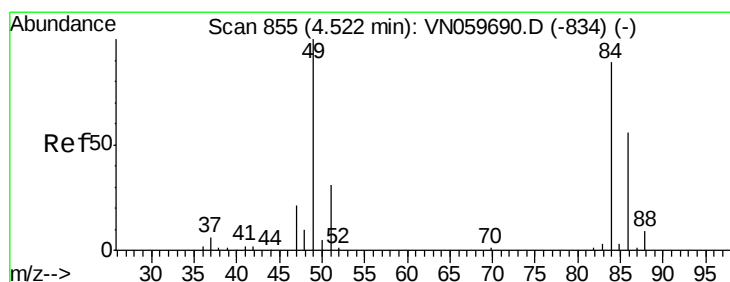
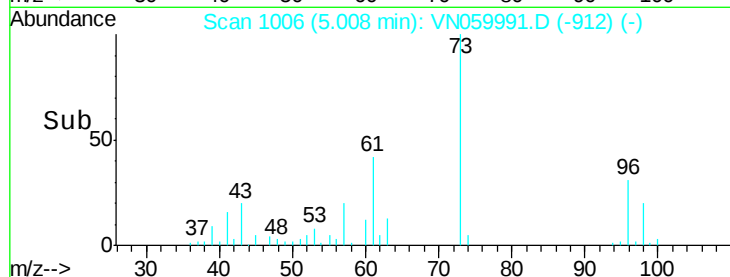
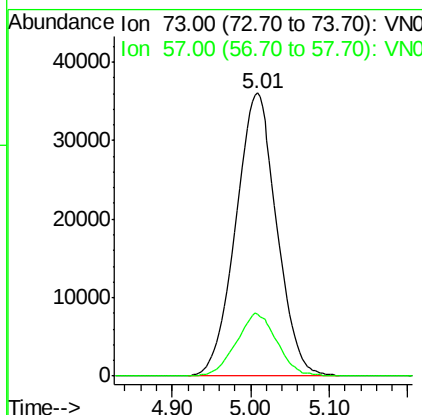
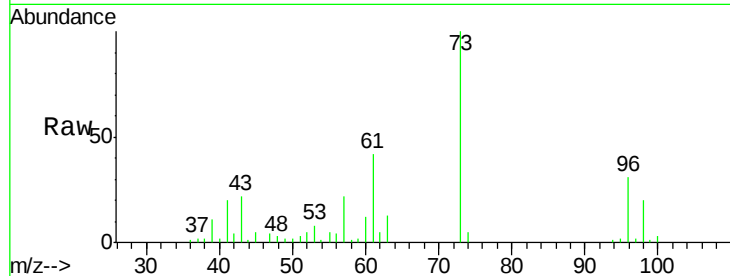
Methyl tert-butyl Ether
 Concen: 21.655 ug/l
 RT: 5.01 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204MBSD01

Tot Ion: 73 Resp: 131594
 Ion Ratio Lower Upper
 73 100
 57 21.9 18.6 27.8

Manual Integrations
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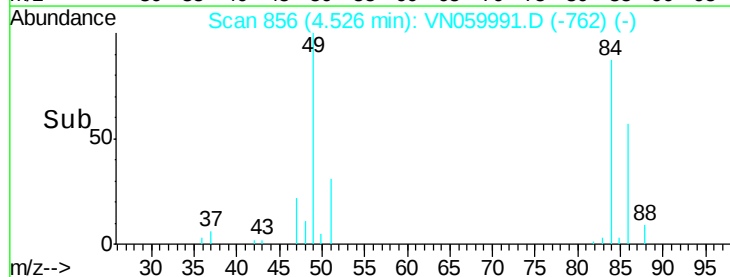
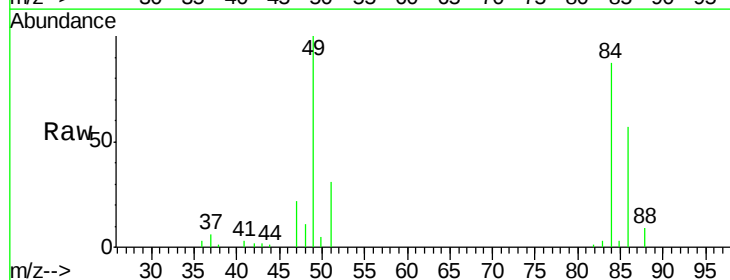
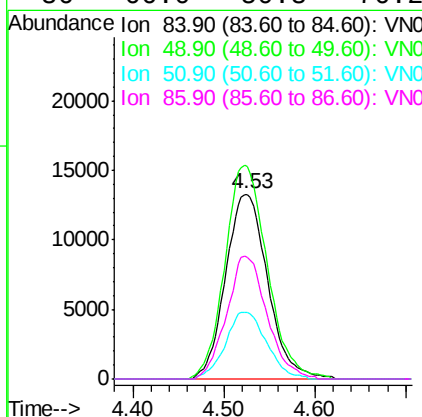
MMDadoda
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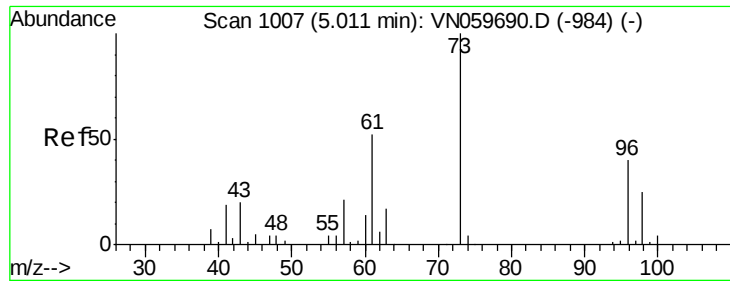


#20

Methylene Chloride
 Concen: 20.037 ug/l
 RT: 4.53 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Tgt Ion: 84 Resp: 42600
 Ion Ratio Lower Upper
 84 100
 49 115.2 106.6 160.0
 51 35.9 31.9 47.9
 86 66.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.278 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

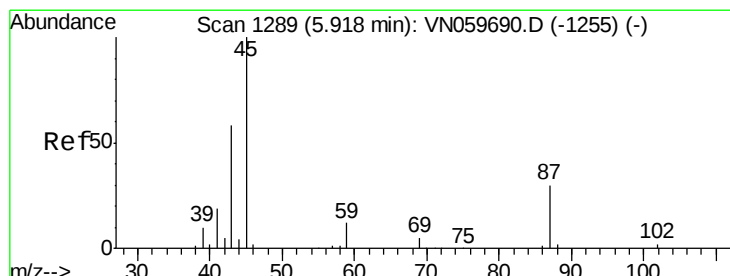
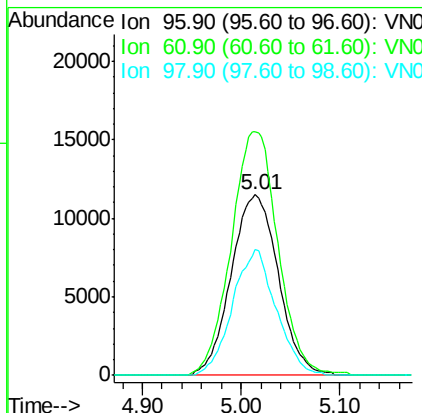
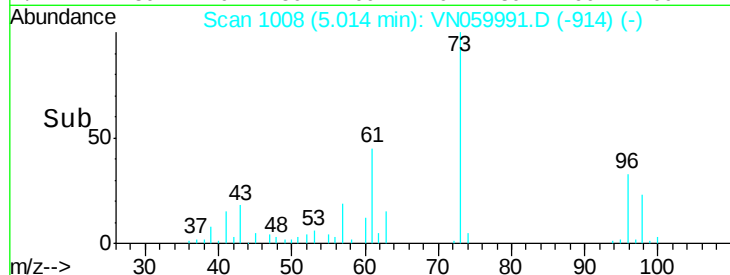
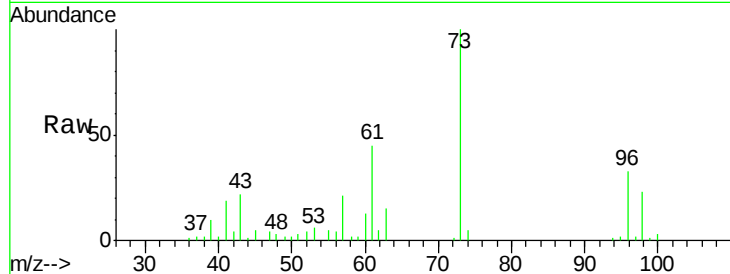
ClientSampleId :

VN0204MBSD01

Tot Ion:	96	Resp:	38194
Ion	Ratio	Lower	Upper
96	100		
61	134.5	120.4	180.6
98	69.5	50.6	75.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.487 ug/l

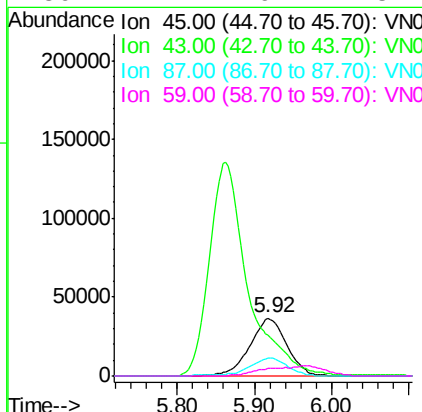
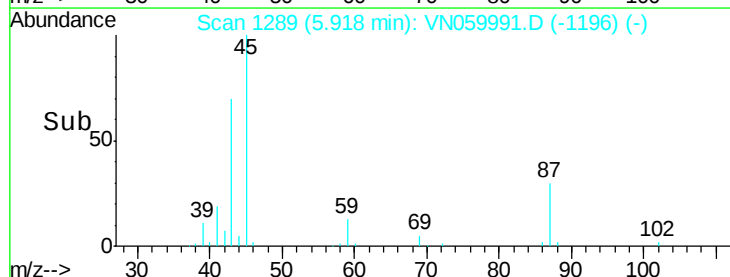
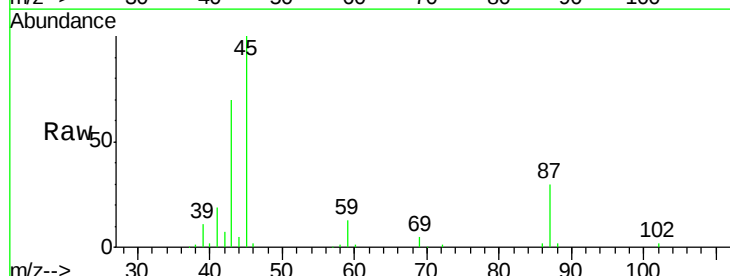
RT: 5.92 min Scan# 1289

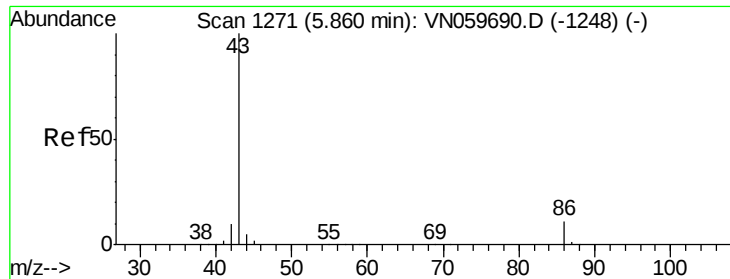
Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Tgt Ion:	45	Resp:	122328
Ion	Ratio	Lower	Upper
45	100		
43	67.6	50.8	76.2
87	30.3	21.0	31.6
59	12.2	9.1	13.7





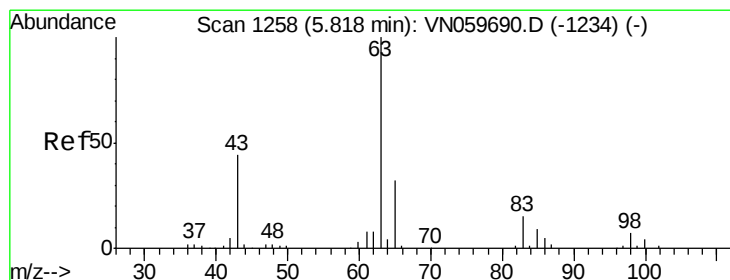
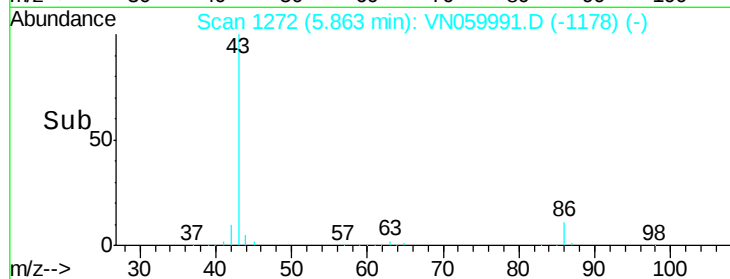
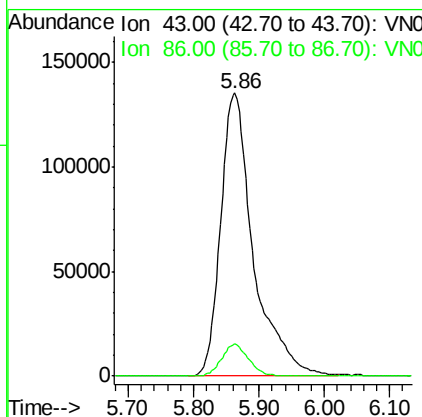
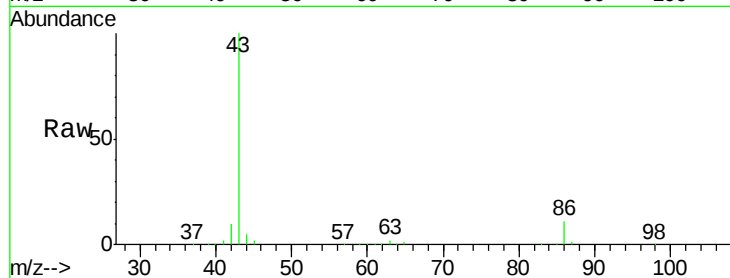
#23
 Vinyl Acetate
 Concen: 106.952 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

Tot Ion	43	Resp	471430
Ion Ratio	100	Lower	Upper
43	100		
86	11.3	7.6	11.4

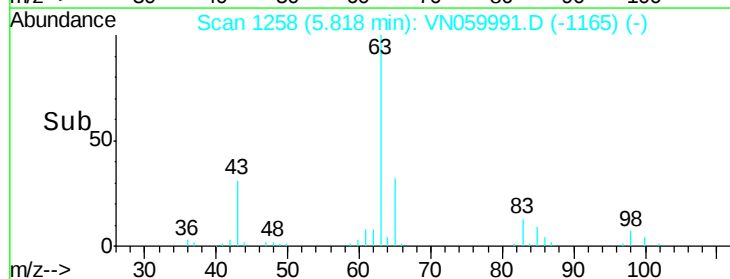
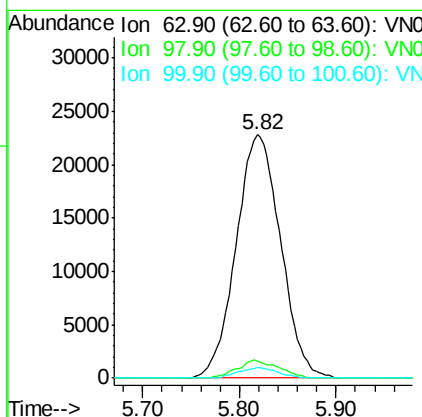
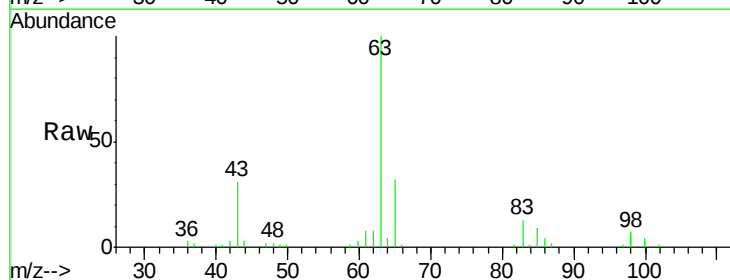
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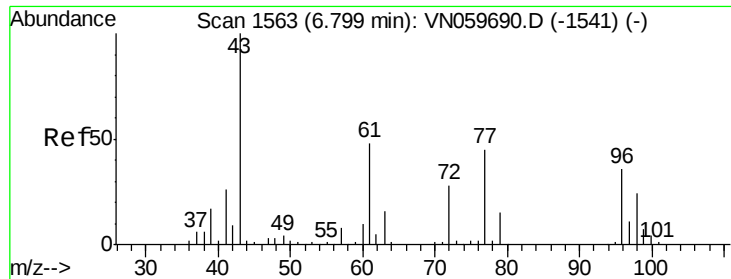
MMDadoda
 2/5/2020 12:21:10 PM



#24
 1,1-Dichloroethane
 Concen: 20.941 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Tgt Ion	63	Resp	72846
Ion Ratio	100	Lower	Upper
63	100		
98	7.2	2.9	8.7
100	4.4	2.0	6.0





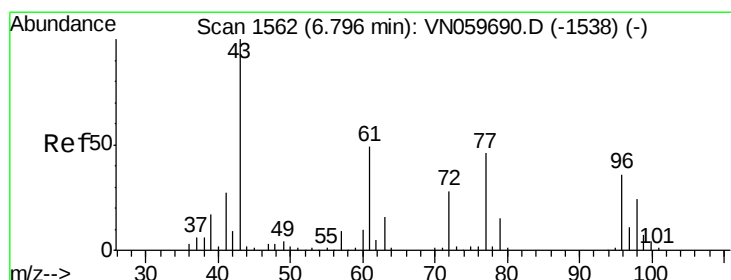
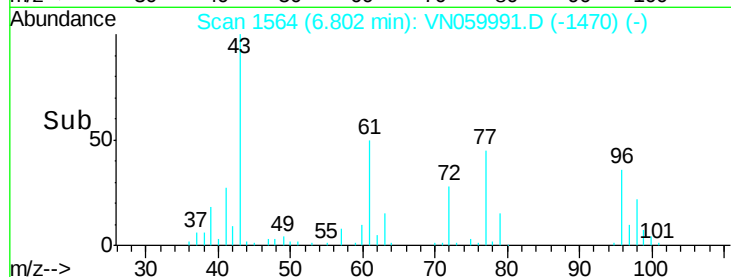
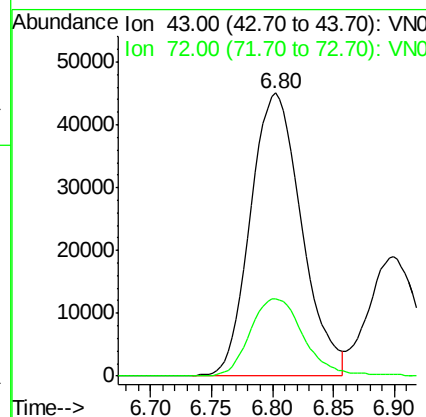
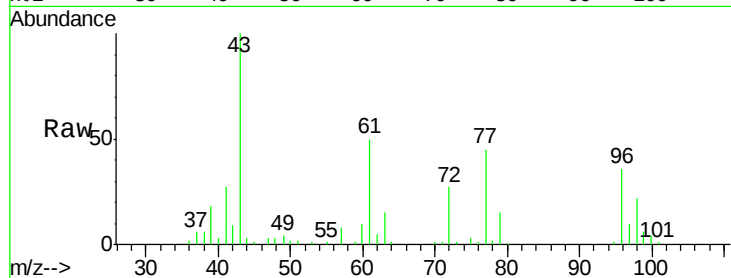
#25
2-Butanone
Concen: 102.270 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0204MBSD01

Tot Ion: 43 Resp: 131025
Ion Ratio Lower Upper
43 100
72 27.5 19.9 29.9

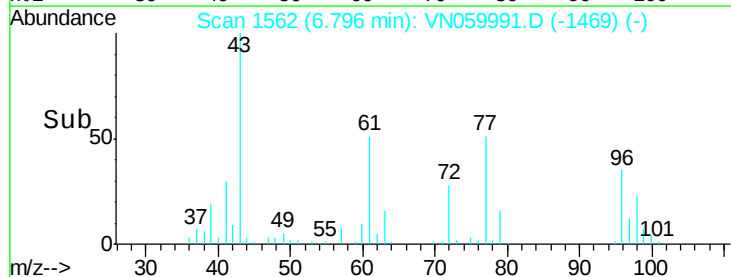
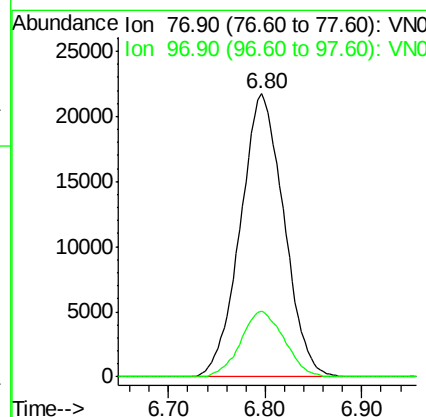
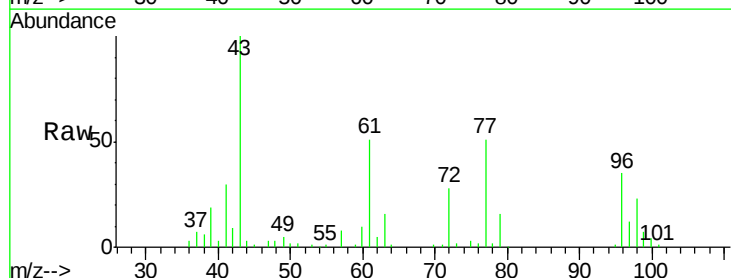
Manual Integrations
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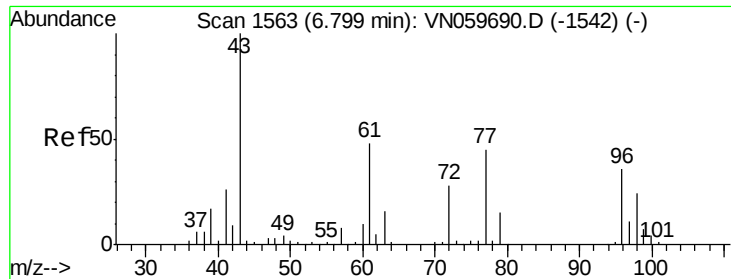
MMDadoda
2/5/2020 12:21:10 PM



#26
2,2-Dichloropropane
Concen: 20.335 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion: 77 Resp: 68006
Ion Ratio Lower Upper
77 100
97 23.1 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.366 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

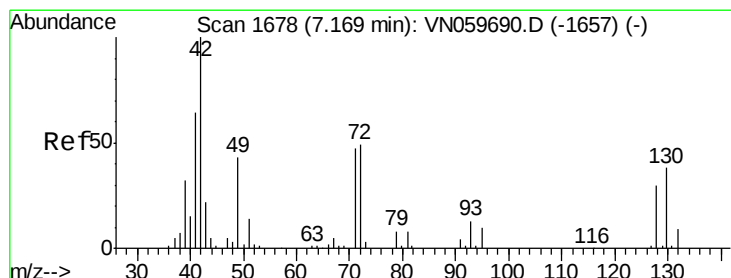
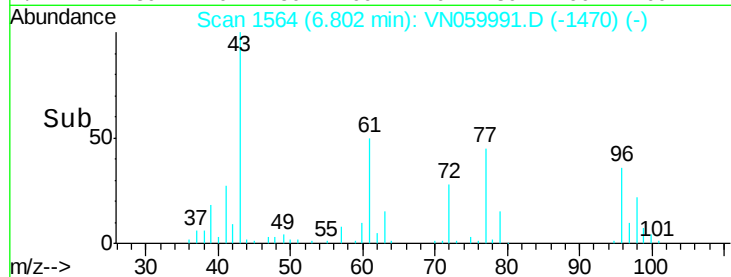
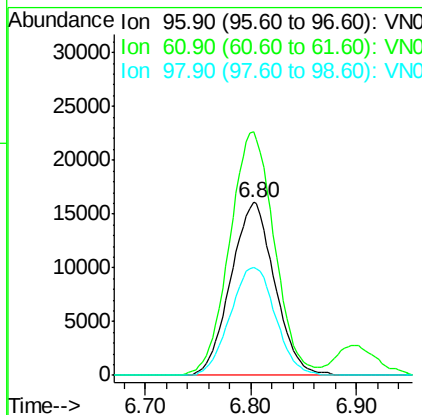
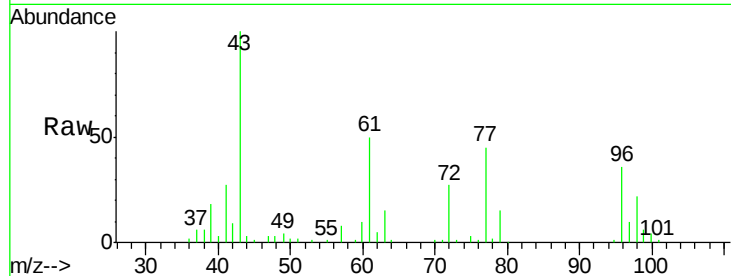
ClientSampleId :

VN0204MBSD01

Tot Ion:	96	Resp:	46410
Ion	Ratio	Lower	Upper
96	100		
61	143.7	0.0	317.6
98	64.1	0.0	127.0

Manual Integrations
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#28

Bromochloromethane

Concen: 19.924 ug/l

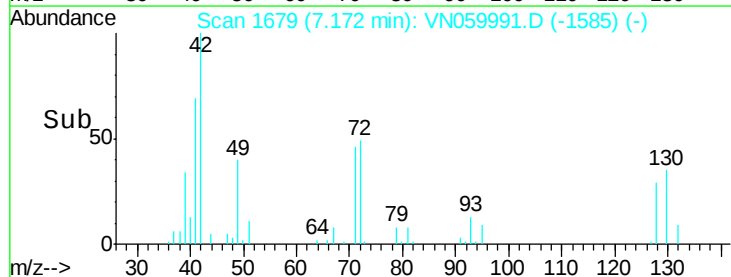
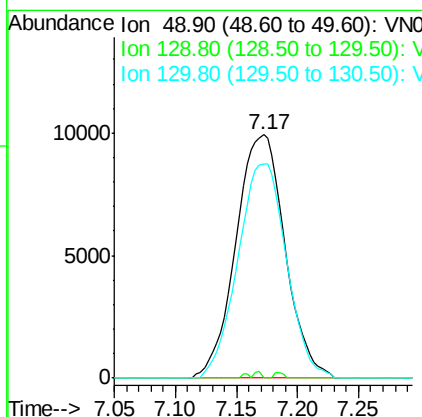
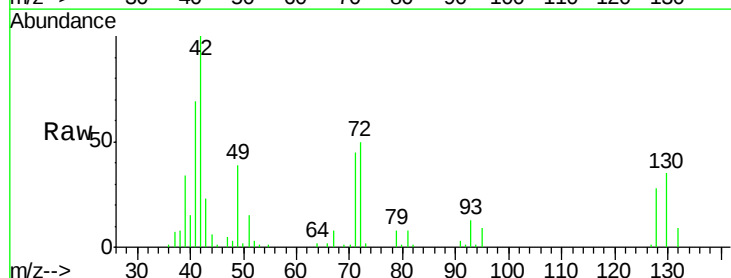
RT: 7.17 min Scan# 1679

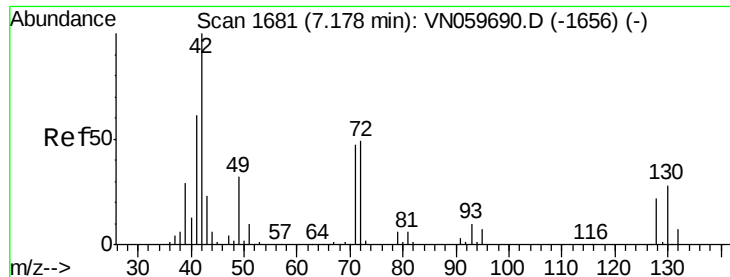
Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Tgt Ion:	49	Resp:	27701
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.4
130	87.2	54.7	82.1#





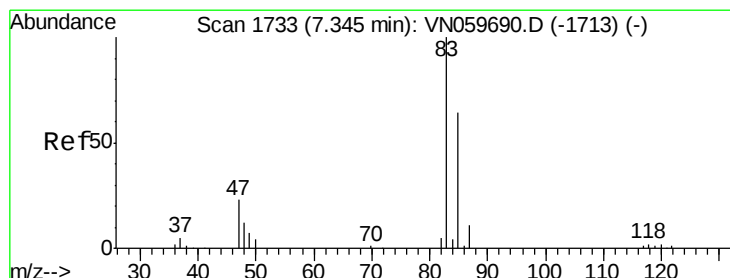
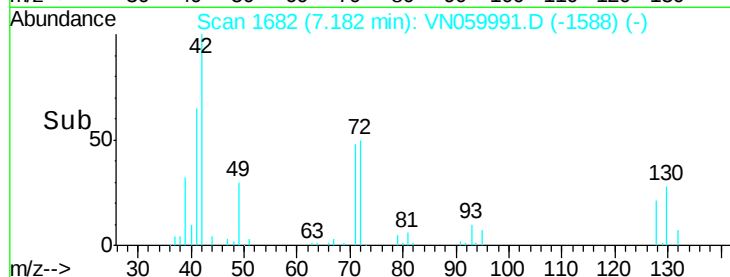
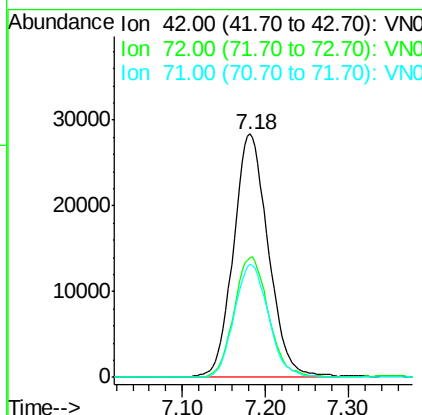
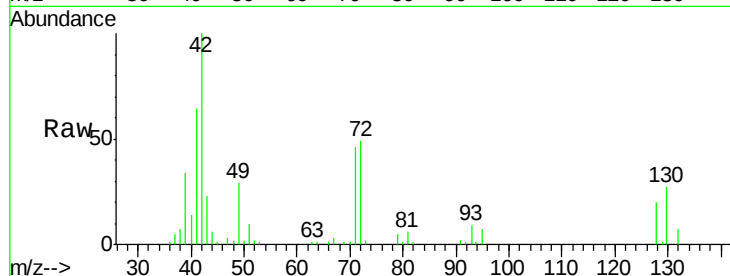
#29
Tetrahydrofuran
Concen: 104.817 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.6	33.1	49.7
71	45.2	31.4	47.0

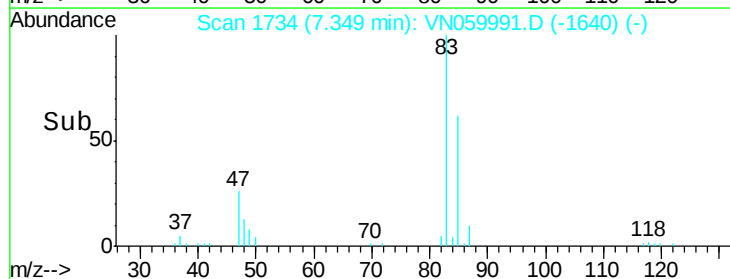
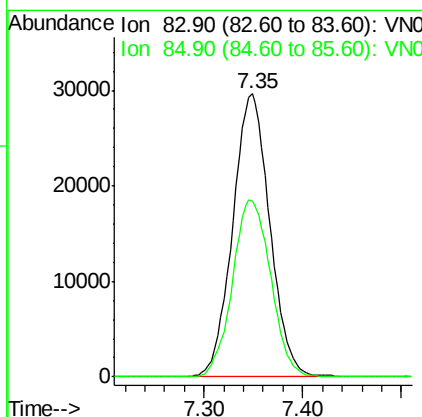
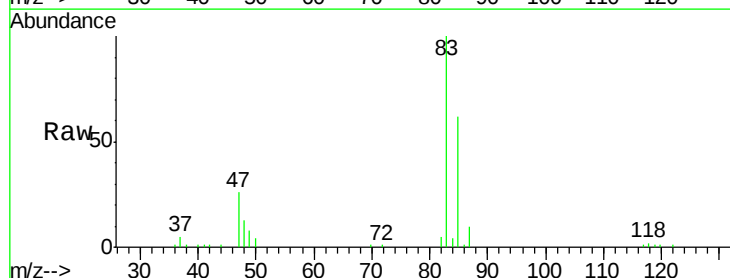
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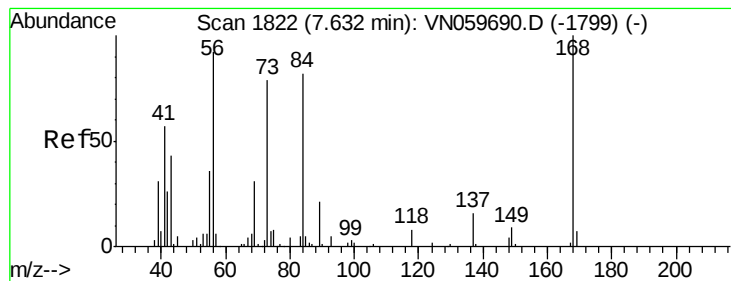
MMDadoda
2/5/2020 12:21:10 PM



#30
Chloroform
Concen: 21.416 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.4	78.6





#31

Cyclohexane

Concen: 18.737 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

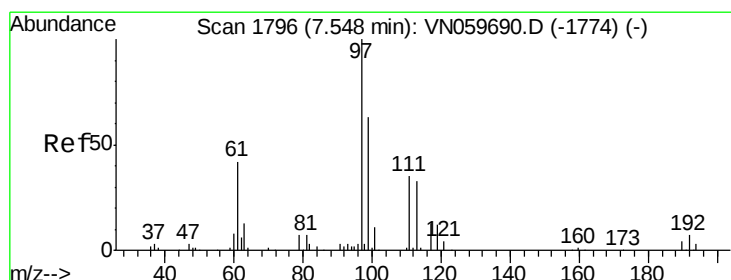
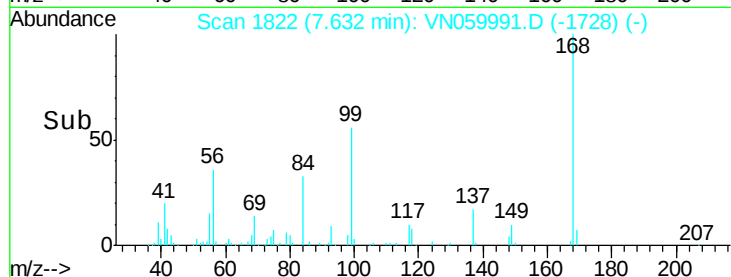
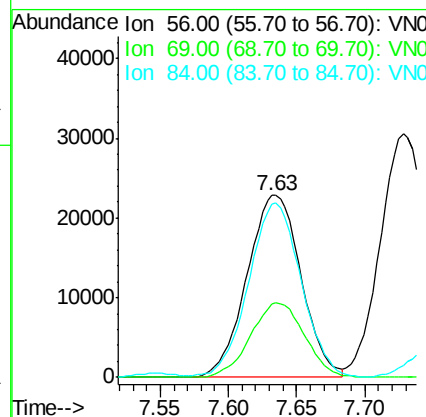
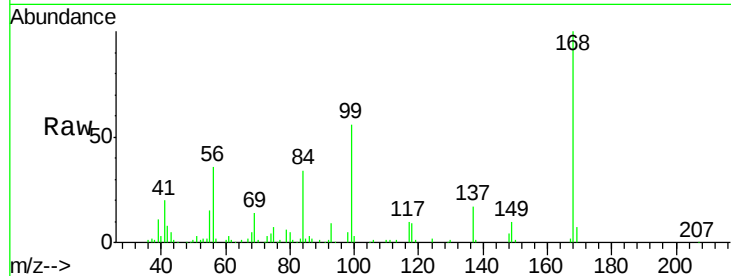
ClientSampleId :

VN0204MBSD01

Tot Ion:	56	Resp:	62719
Ion Ratio	Lower	Upper	
56	100		
69	40.0	26.5	39.7#
84	94.2	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.742 ug/l

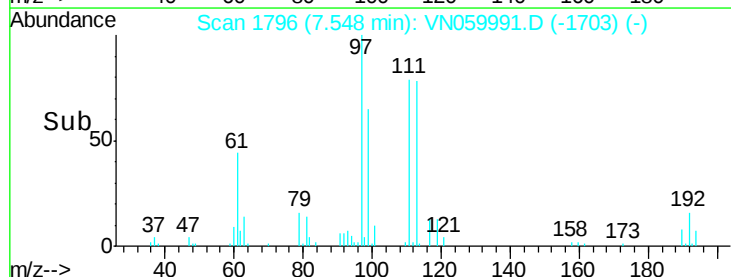
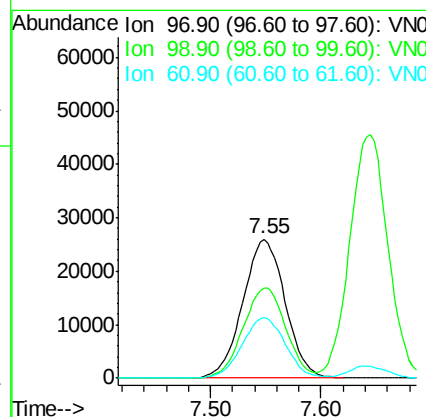
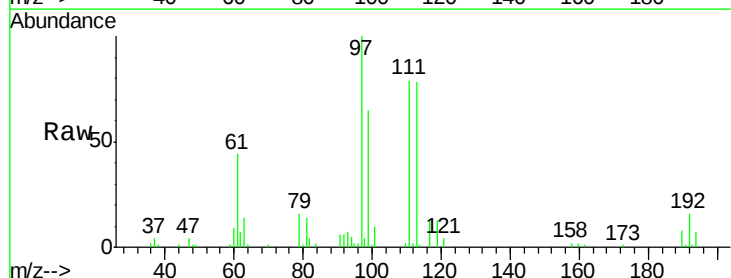
RT: 7.55 min Scan# 1796

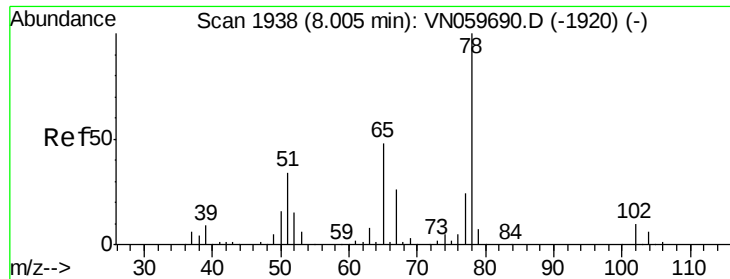
Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Tgt Ion:	97	Resp:	69123
Ion Ratio	Lower	Upper	
97	100		
99	65.9	51.0	76.4
61	44.6	38.5	57.7





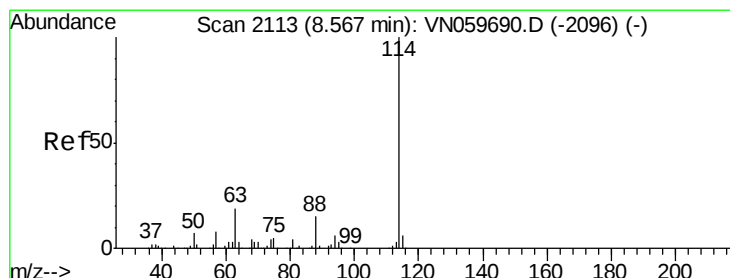
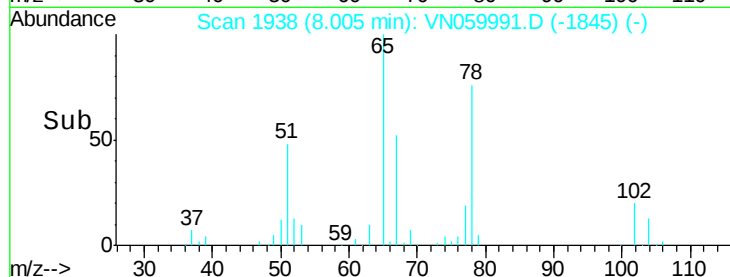
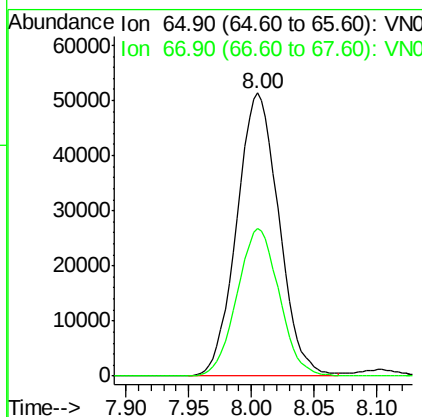
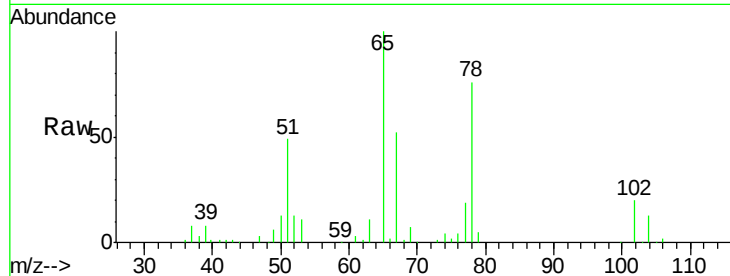
#33
 1,2-Dichloroethane-d4
 Concen: 52.999 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	119904		
67	52.1	0.0	103.0	

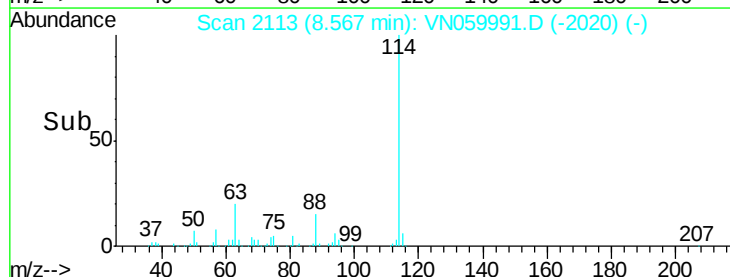
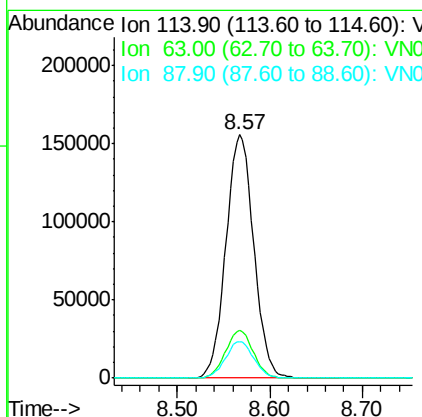
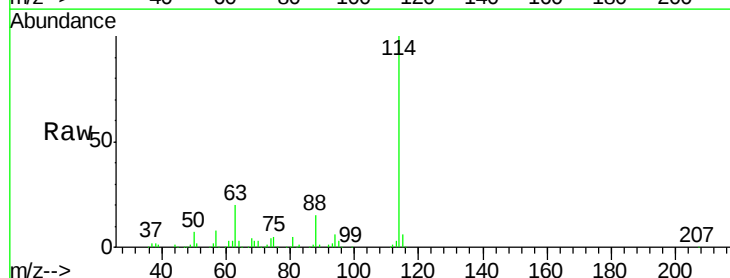
Manual Integrations
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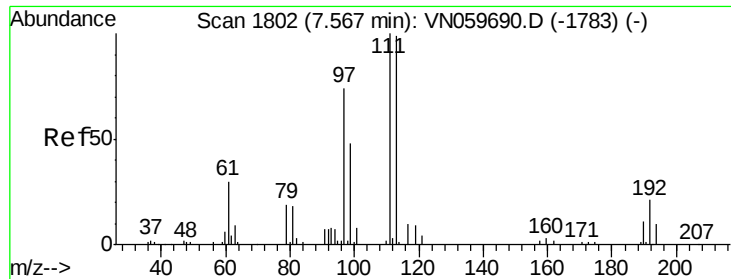
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 2/5/2020 12:21:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	323903		
63	19.5	0.0	43.6	
88	15.1	0.0	31.4	





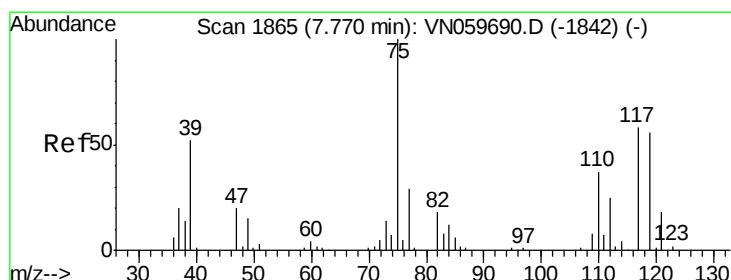
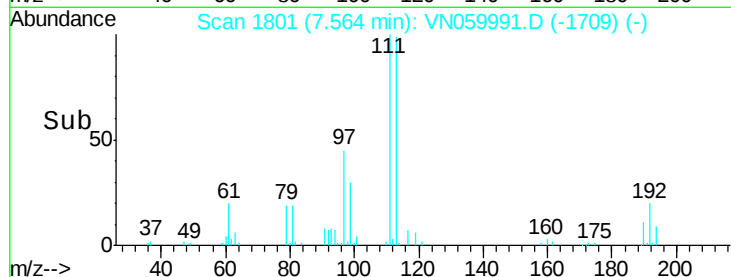
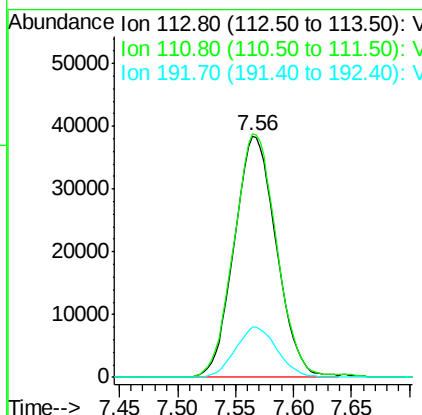
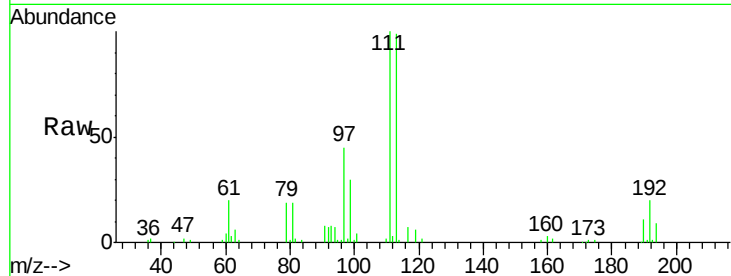
#35
Dibromofluoromethane
Concen: 50.214 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.5	125.3
192	20.6	15.4	23.2

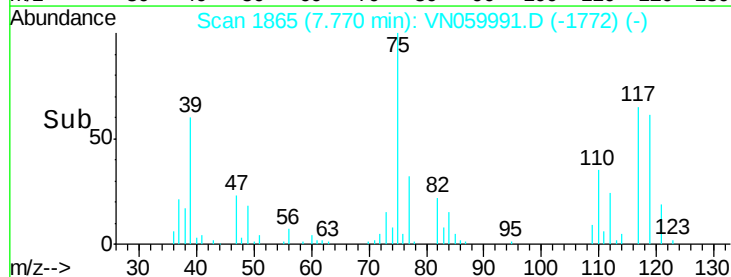
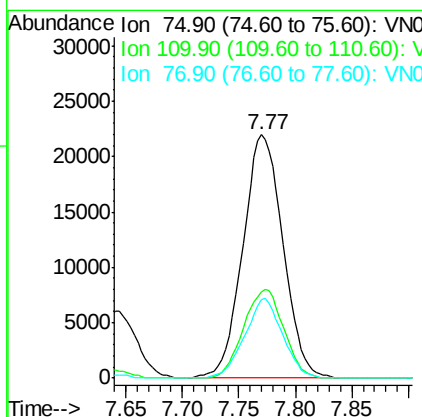
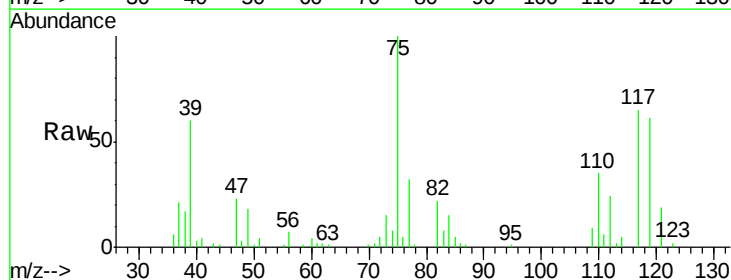
Manual Integrations
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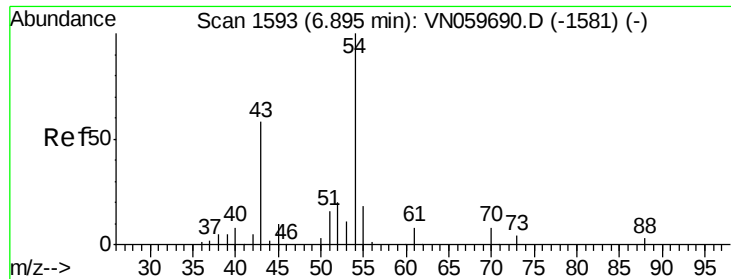
MMDadoda
2/5/2020 12:21:10 PM



#36
1,1-Dichloropropene
Concen: 19.228 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	16.6	49.7
77	30.8	25.1	37.7





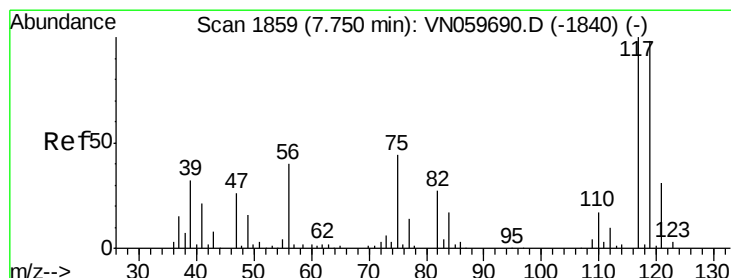
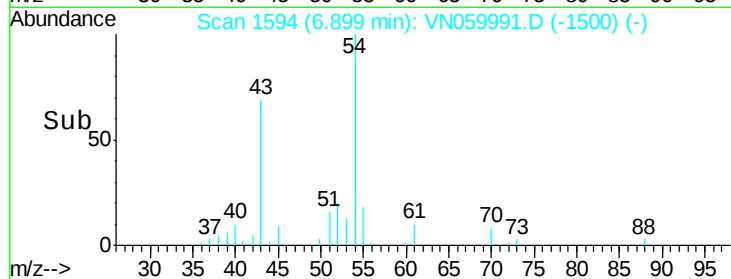
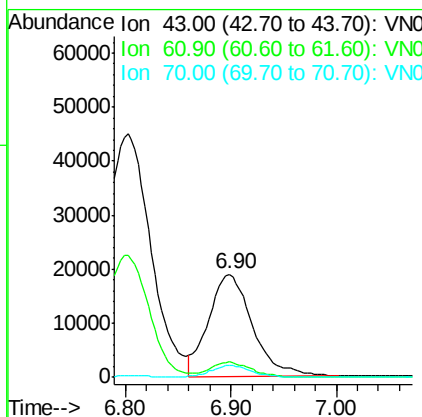
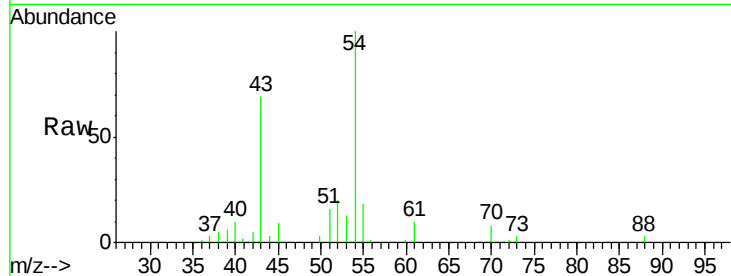
#37
Ethyl Acetate
Concen: 20.559 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0204MBSD01

Tot Ion	43	61	70
Resp	54390		
Ratio	100	14.0	10.6
Lower		10.9	7.7
Upper		16.3	11.5

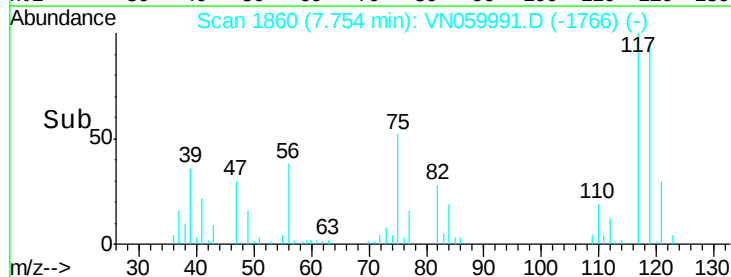
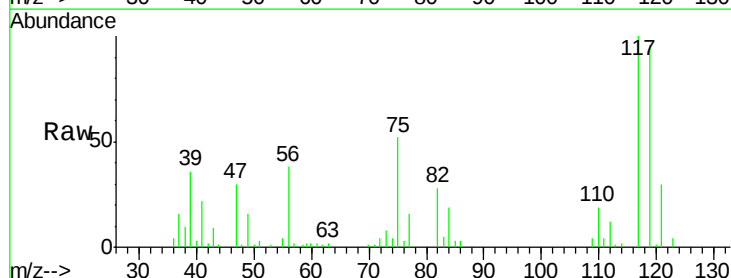
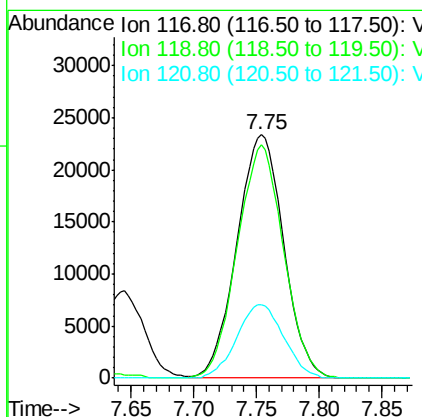
Manual Integrations
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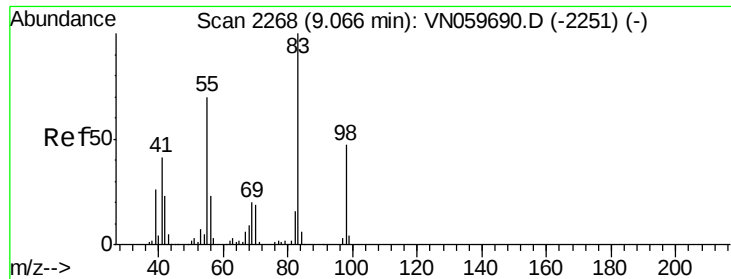
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#38
Carbon Tetrachloride
Concen: 19.715 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion	117	119	121
Resp	60493		
Ratio	100	96.0	30.2
Lower		76.5	25.1
Upper		114.7	37.7





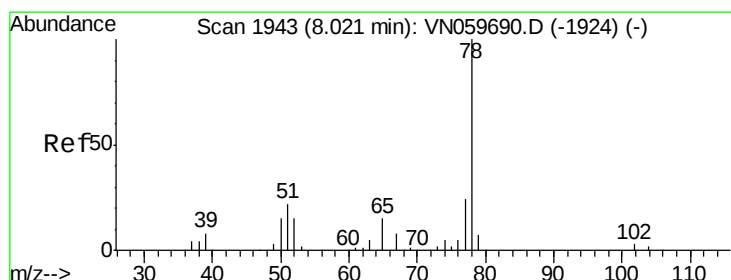
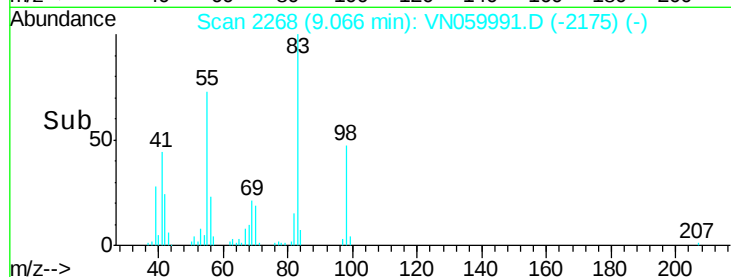
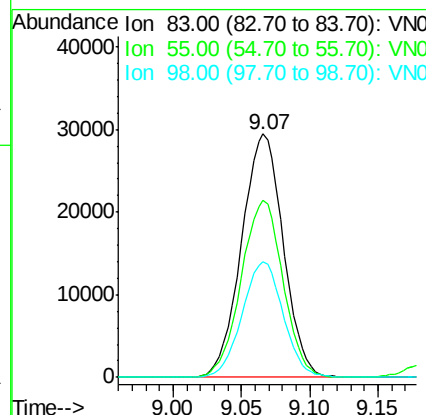
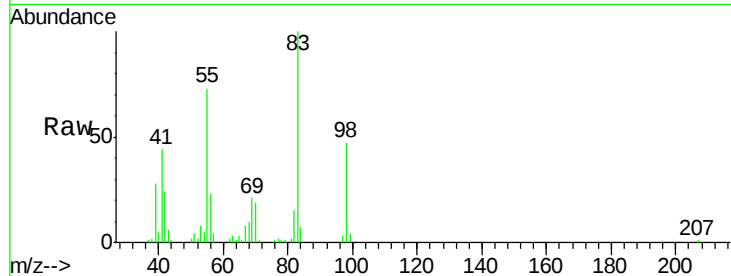
#39
Methvlcvclohexane
Concen: 17.984 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	64.2	96.2
98	47.4	35.9	53.9

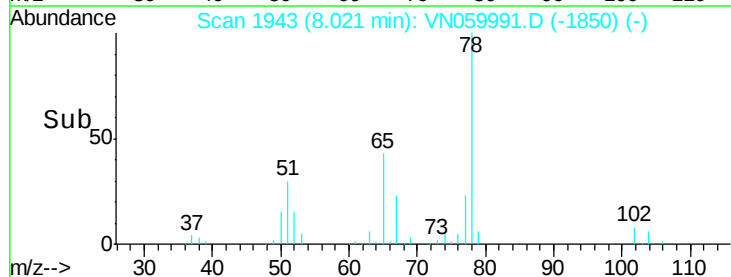
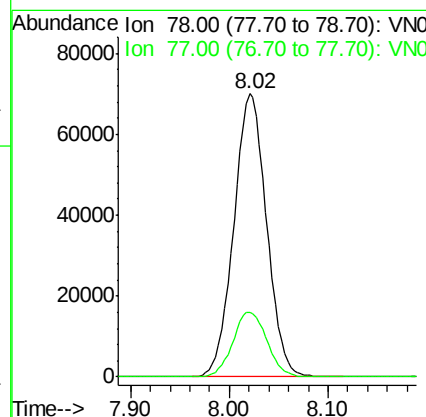
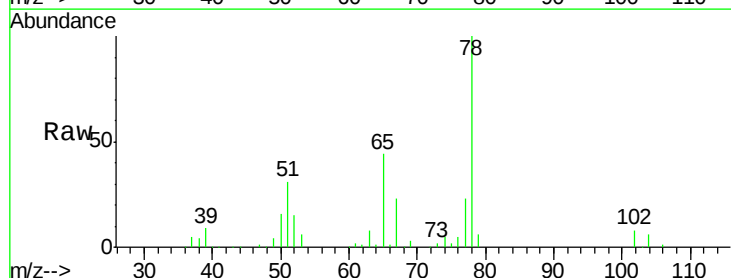
Manual Integrations
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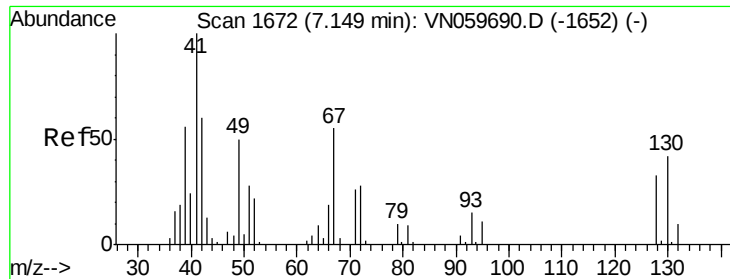
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#40
Benzene
Concen: 19.262 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.9	28.3





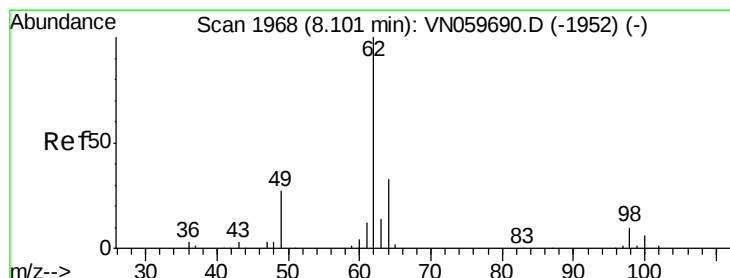
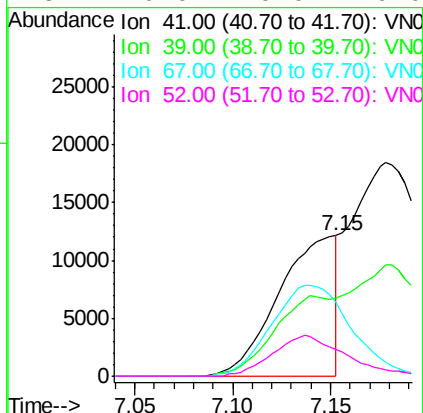
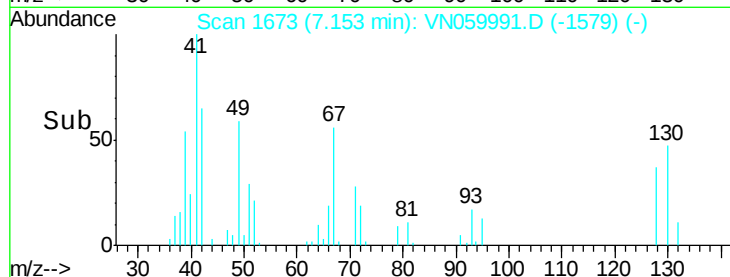
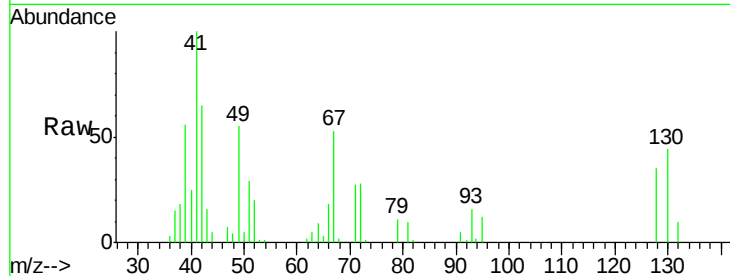
#41
Methacrylonitrile
Concen: 19.081 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

Tot Ion	41	Resp	24864
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

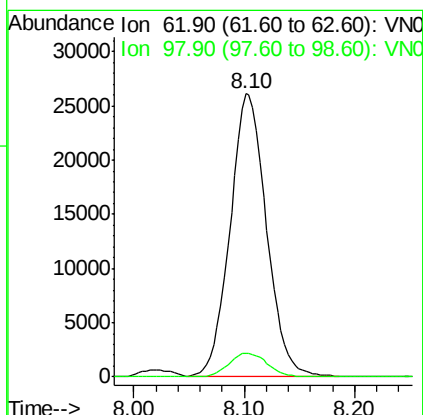
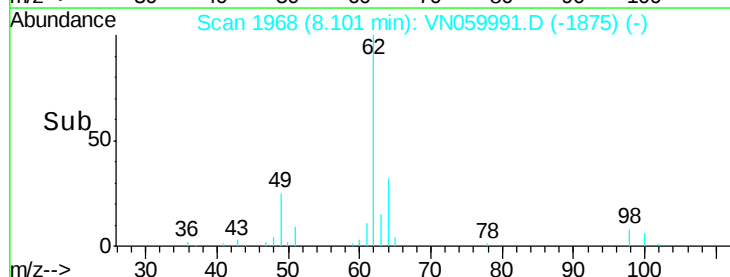
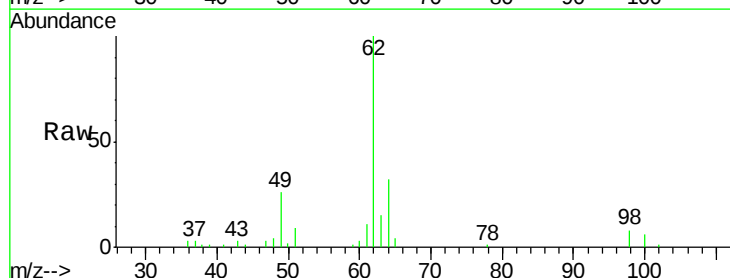
Manual Integrations
APPROVED

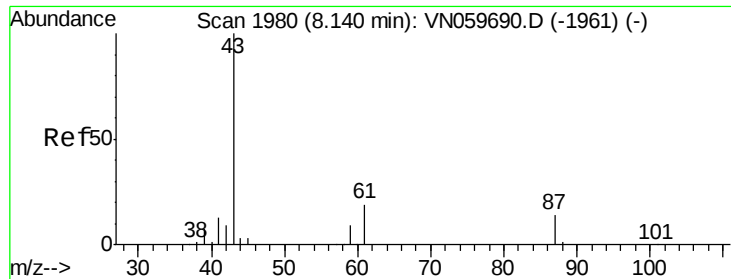
MMDadoda
2/5/2020 12:21:10 PM



#42
1,2-Dichloroethane
Concen: 20.960 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion	62	Resp	59783
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	15.8





#43

Isopropyl Acetate

Concen: 20.213 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

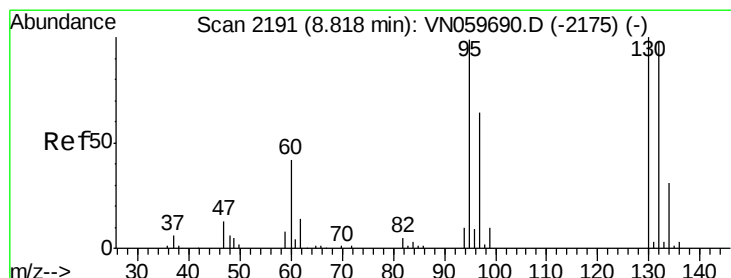
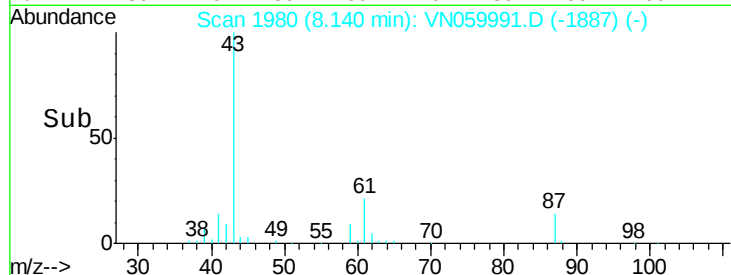
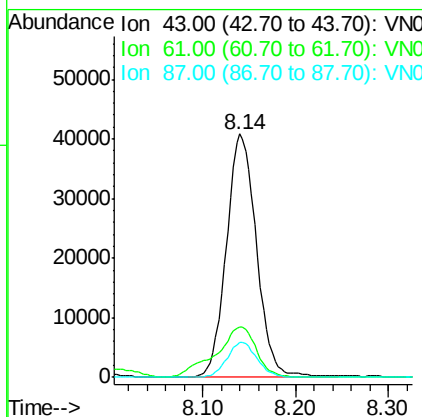
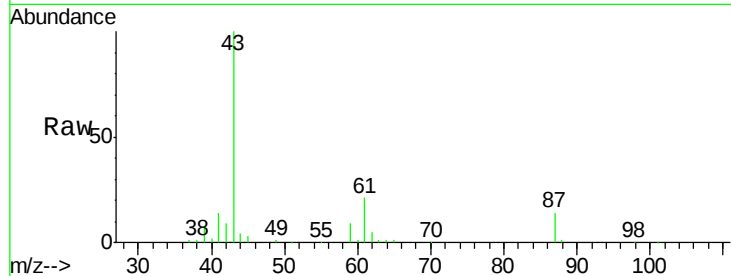
ClientSampleID :

VN0204MBSD01

Tot Ion:	43	Resp:	91979
Ion	Ratio	Lower	Upper
43	100		
61	28.0	20.2	30.2
87	14.1	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 19.807 ug/l

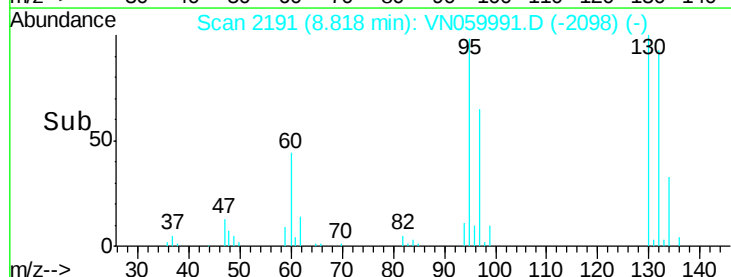
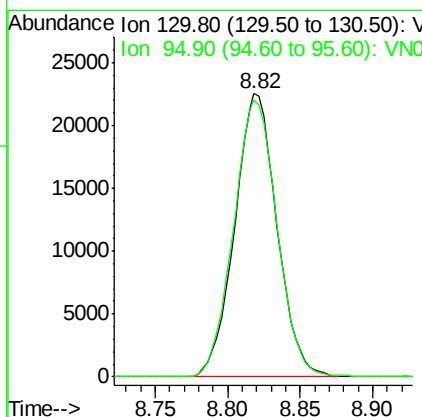
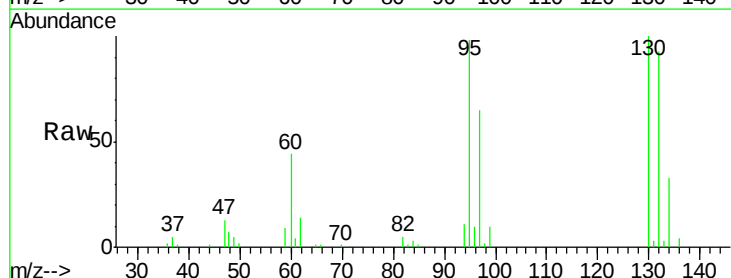
RT: 8.82 min Scan# 2191

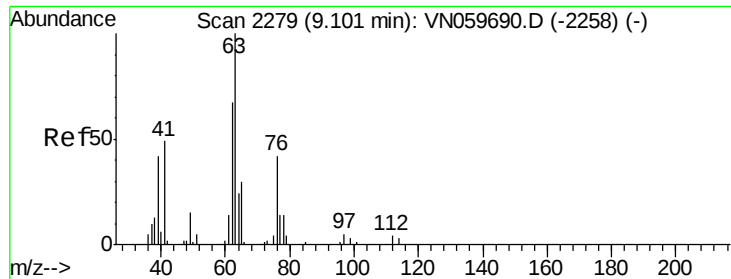
Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Tgt Ion:	130	Resp:	45487
Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	207.0





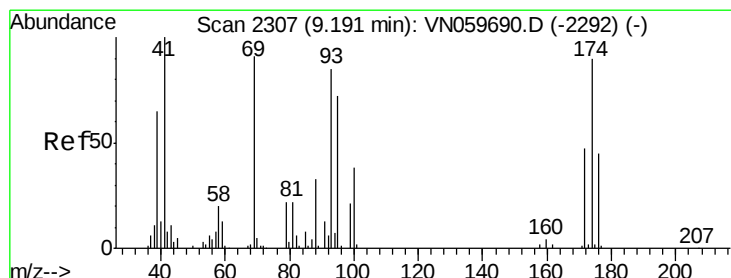
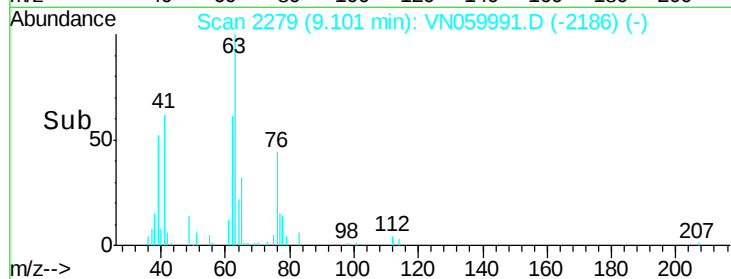
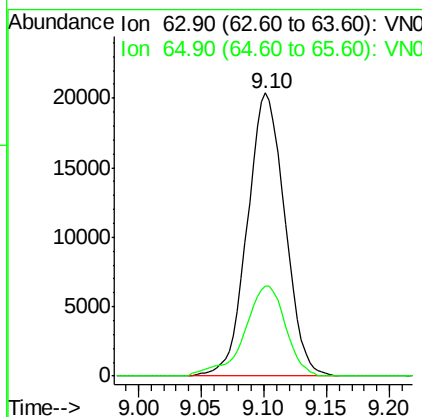
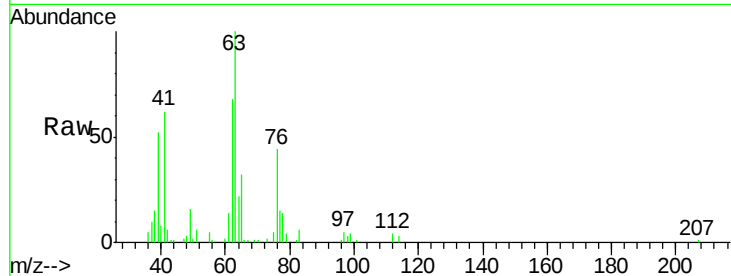
#45
 1,2-Dichloropropane
 Concen: 20.401 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

Tot Ion: 63 Resp: 42468
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.9 37.3

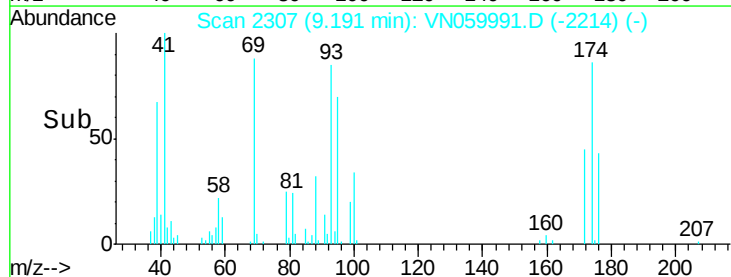
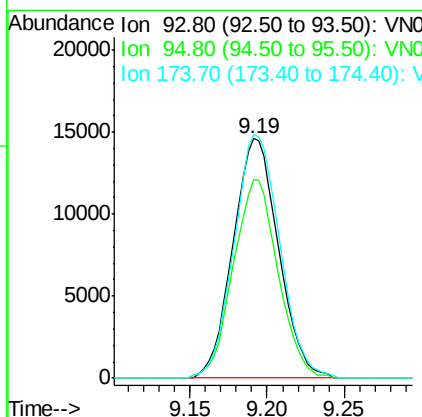
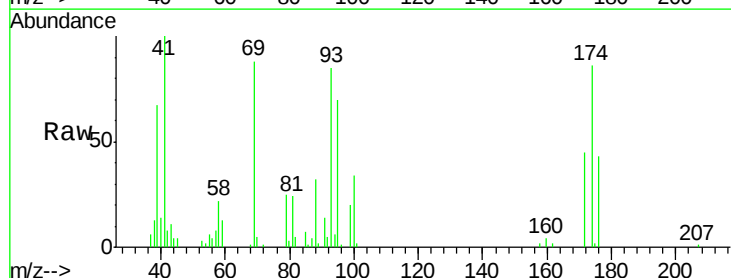
Manual Integrations
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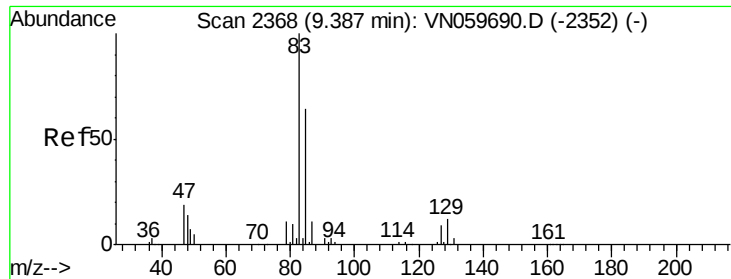
MMDadoda
 2/5/2020 12:21:10 PM



#46
 Dibromomethane
 Concen: 20.366 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Tgt Ion: 93 Resp: 29905
 Ion Ratio Lower Upper
 93 100
 95 81.1 67.0 100.6
 174 102.2 73.4 110.2





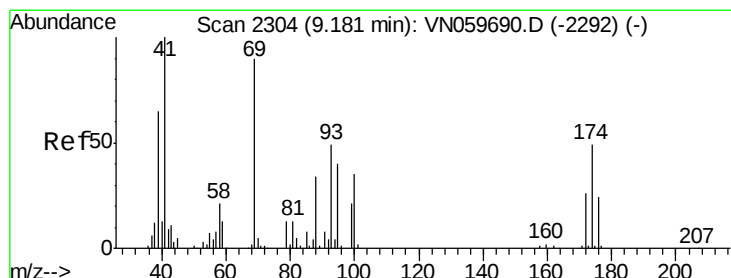
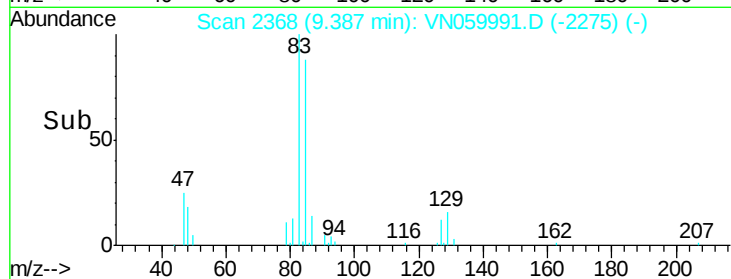
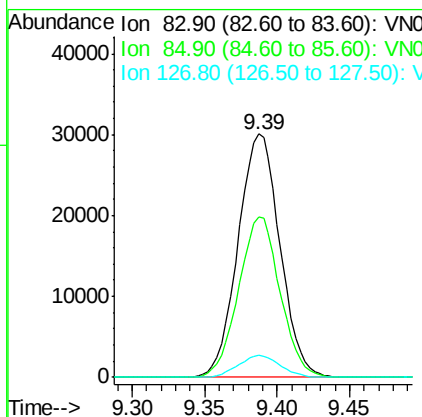
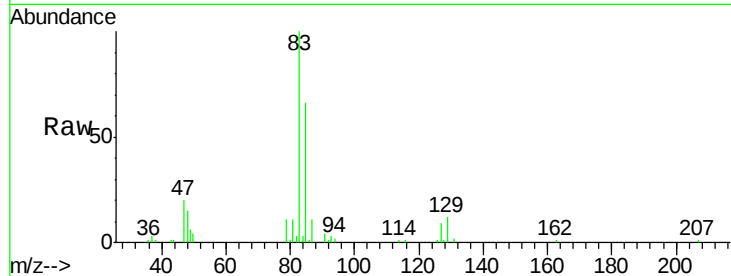
#47
Bromodichloromethane
Concen: 20.389 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

Tot Ion	83	Resp	60333
Ion Ratio	100	Lower	Upper
83	100		
85	66.1	51.1	76.7
127	9.1	6.6	9.8

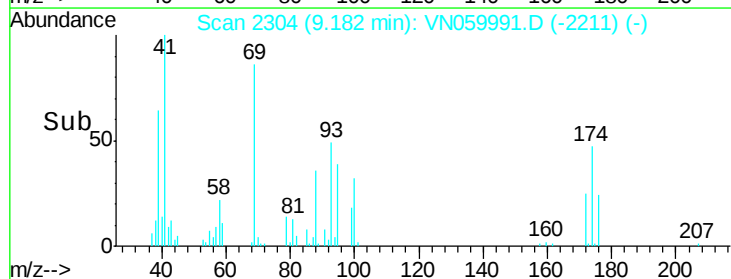
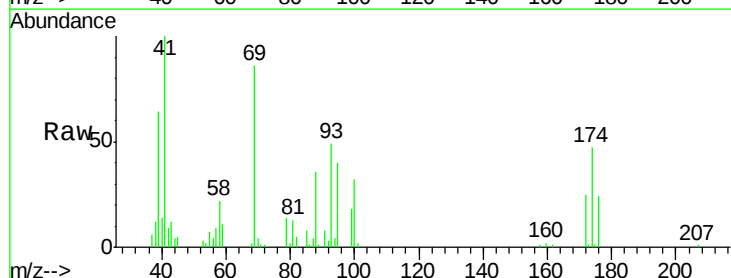
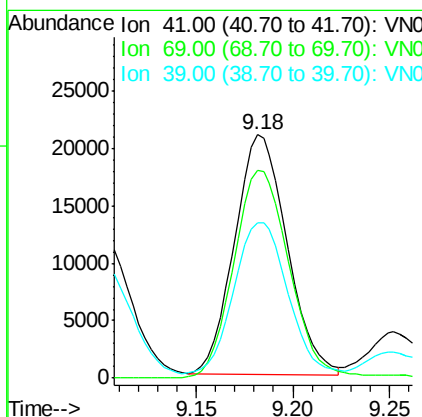
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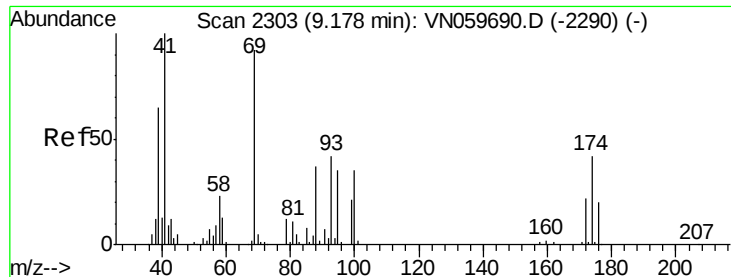
MMDadoda
2/5/2020 12:21:10 PM



#48
Methyl methacrylate
Concen: 19.318 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion	41	Resp	39320
Ion Ratio	100	Lower	Upper
41	100		
69	92.0	64.4	96.6
39	68.9	51.3	76.9





#49

1,4-Dioxane

Concen: 411.773 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

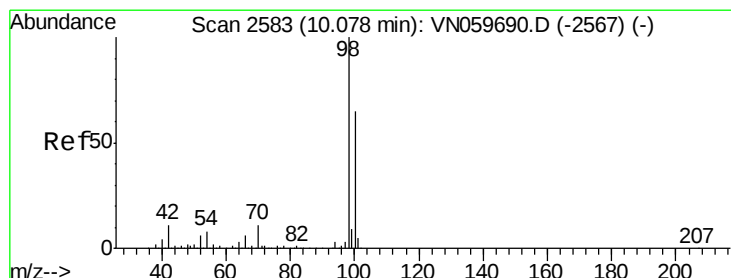
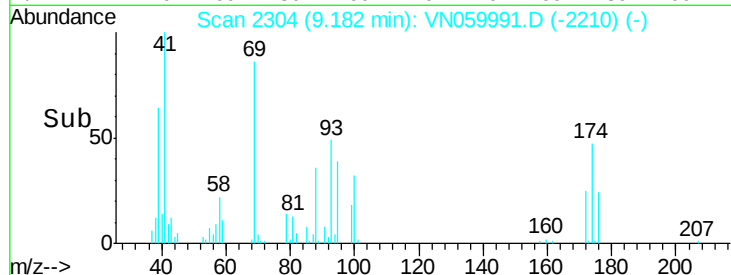
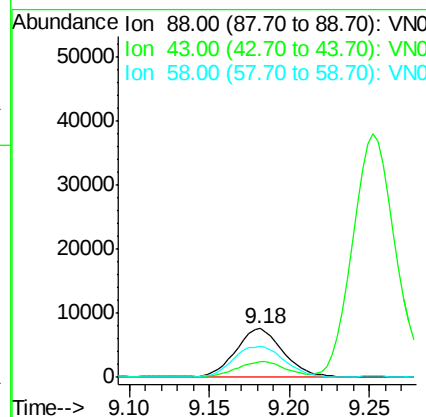
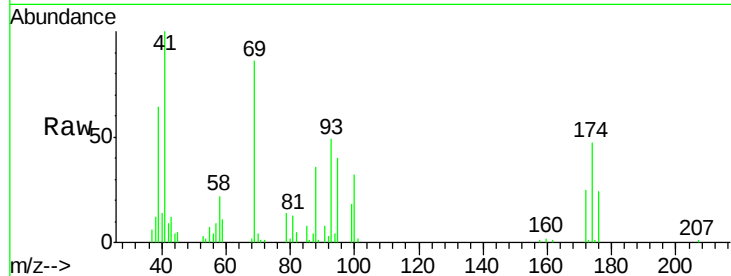
ClientSampleId :

VN0204MBSD01

Tot Ion:	88	Resp:	15343
Ion	Ratio	Lower	Upper
88	100		
43	33.8	29.7	44.5
58	68.6	56.6	85.0

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#50

Toluene-d8

Concen: 48.139 ug/l

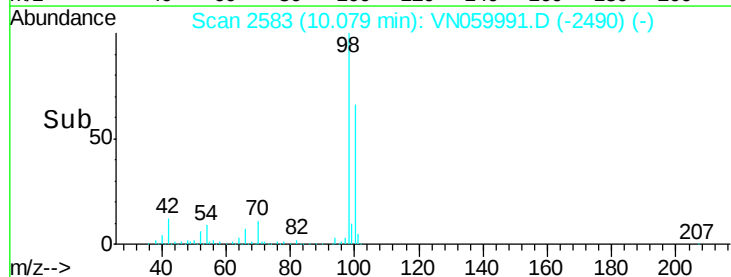
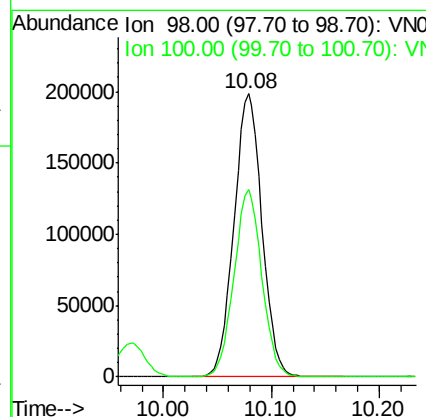
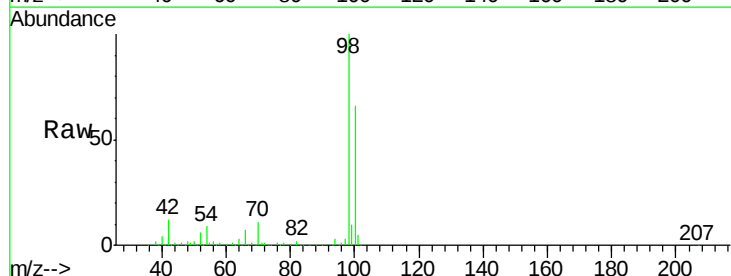
RT: 10.08 min Scan# 2583

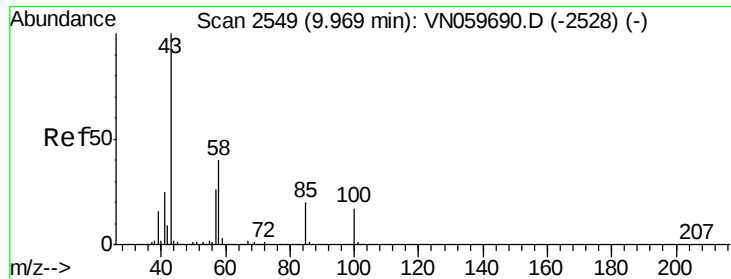
Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Tgt Ion:	98	Resp:	360267
Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 103.460 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampled :

VN0204MBSD01

Tot Ion: 43 Resp: 272149

Ion Ratio Lower Upper

43 100

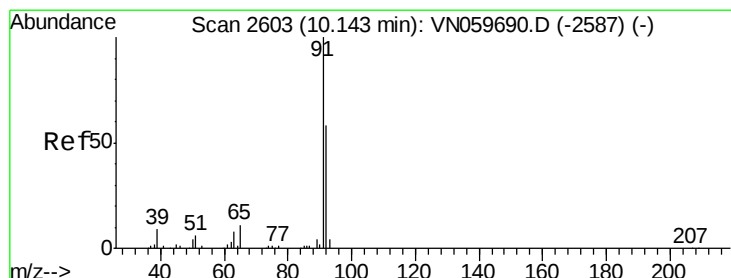
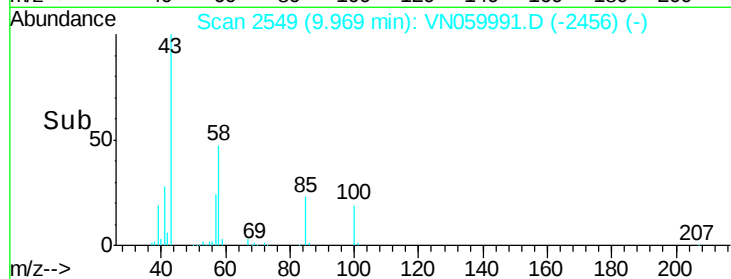
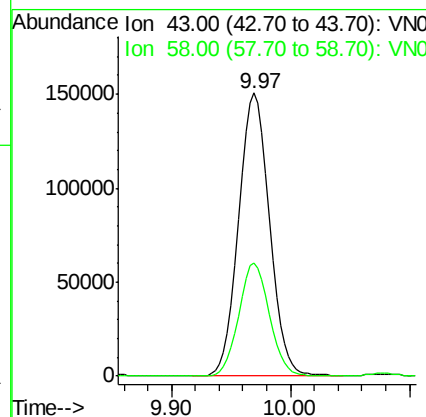
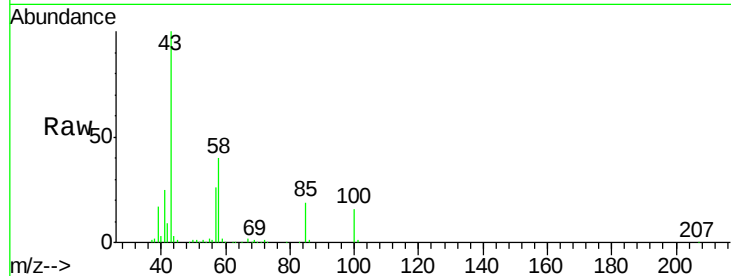
58 39.6 29.8 44.8

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#52

Toluene

Concen: 19.506 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059991.D

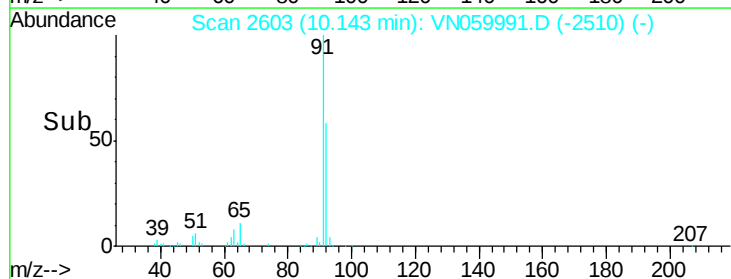
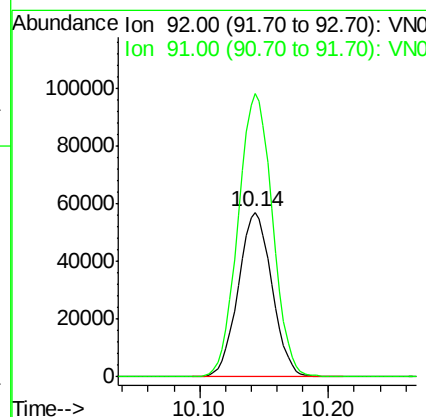
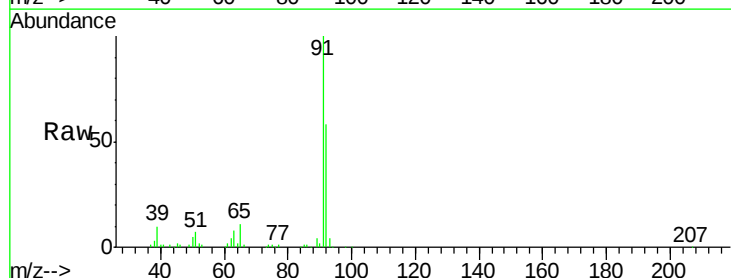
Acq: 4 Feb 2020 13:49

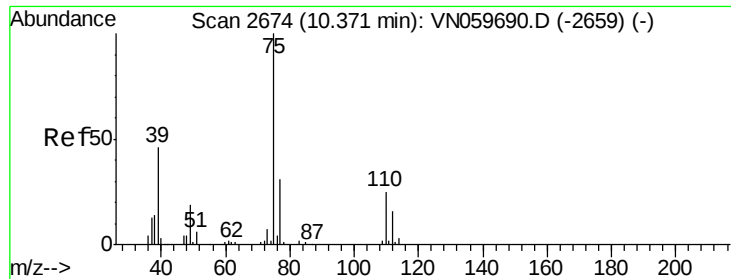
Tgt Ion: 92 Resp: 103646

Ion Ratio Lower Upper

92 100

91 175.1 140.4 210.6





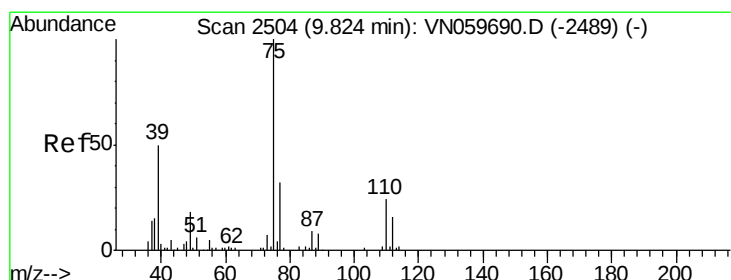
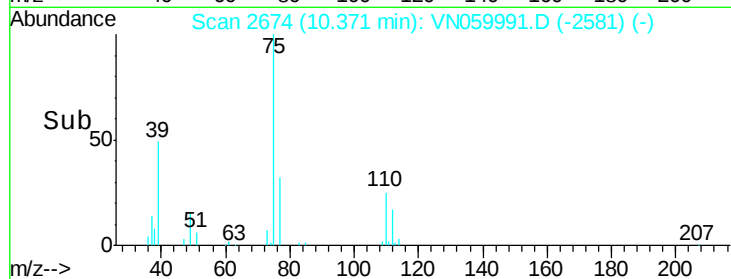
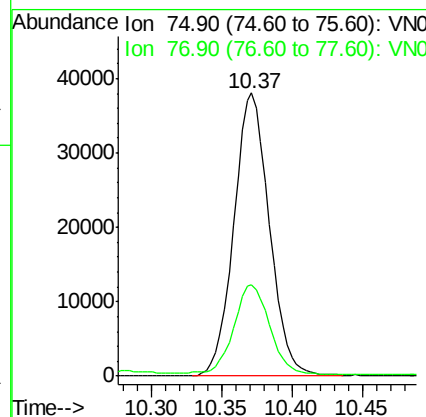
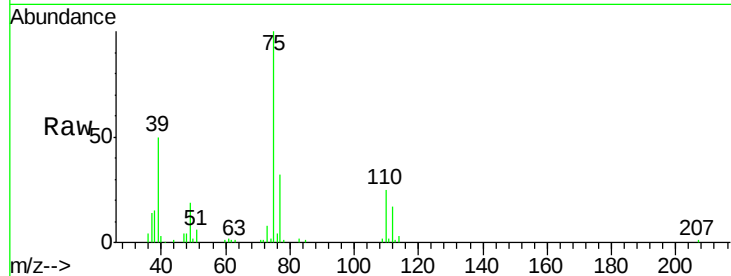
#53
t-1,3-Dichloropropene
Concen: 20.308 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

Tot Ion: 75 Resp: 67098
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

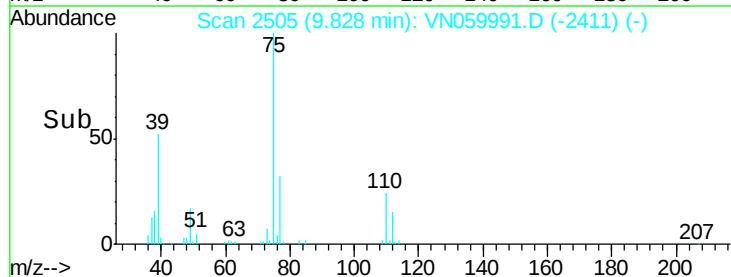
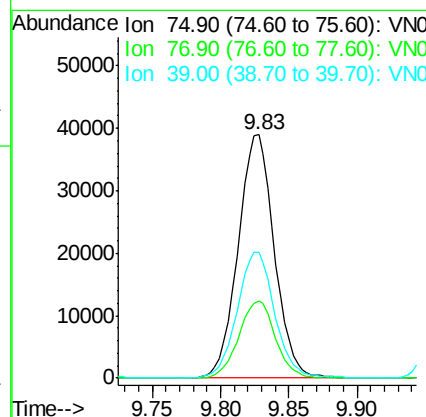
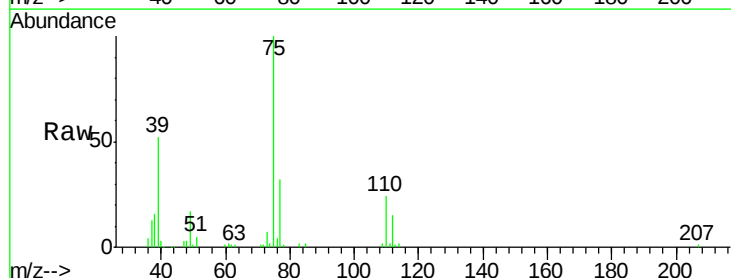
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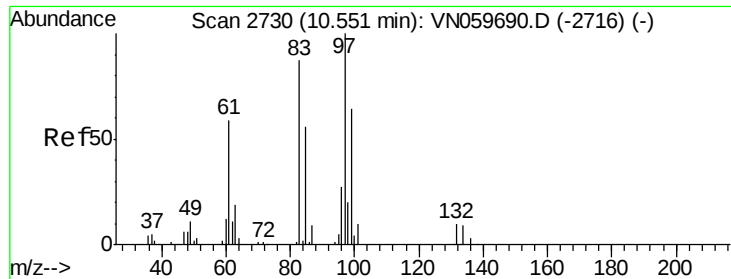
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#54
cis-1,3-Dichloropropene
Concen: 20.618 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion: 75 Resp: 71677
Ion Ratio Lower Upper
75 100
77 31.9 25.1 37.7
39 51.7 46.1 69.1





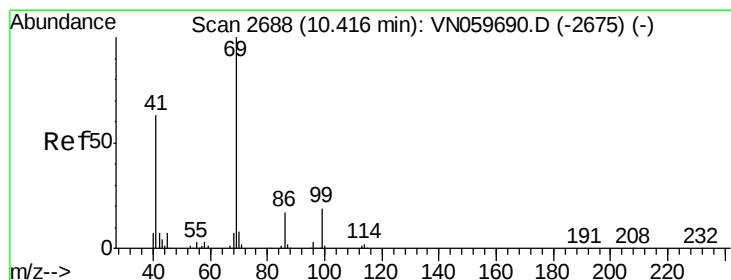
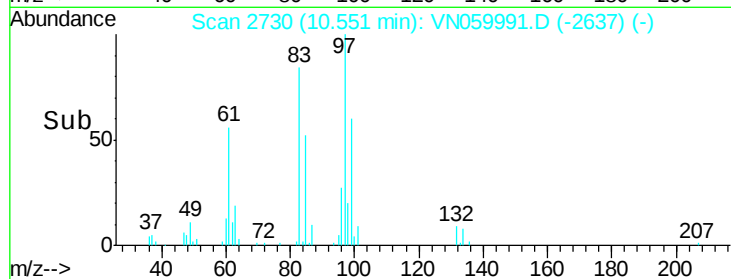
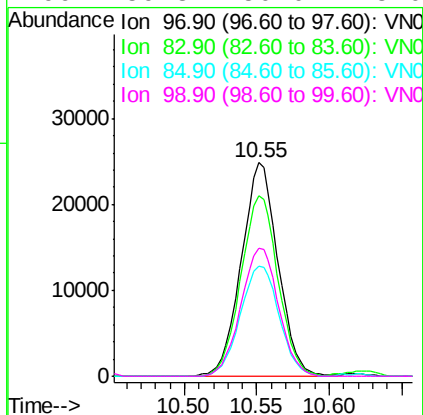
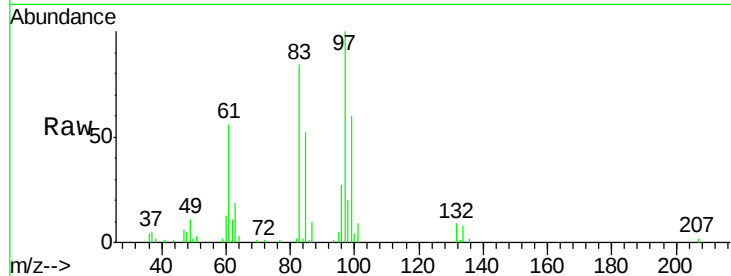
#55
 1,1,2-Trichloroethane
 Concen: 20.753 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.3	71.3	106.9
85	51.8	45.8	68.8
99	59.8	50.0	75.0

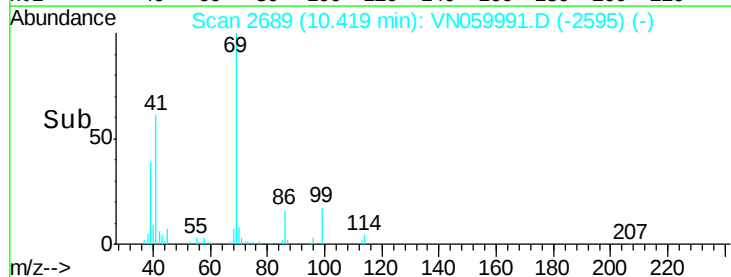
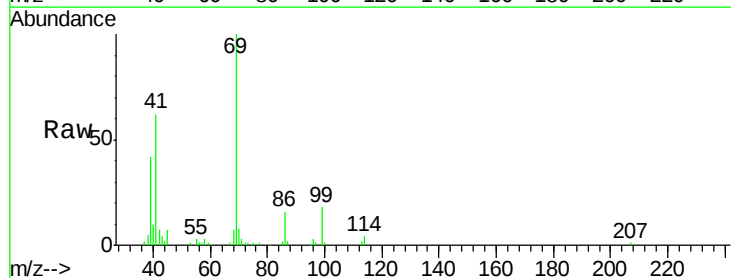
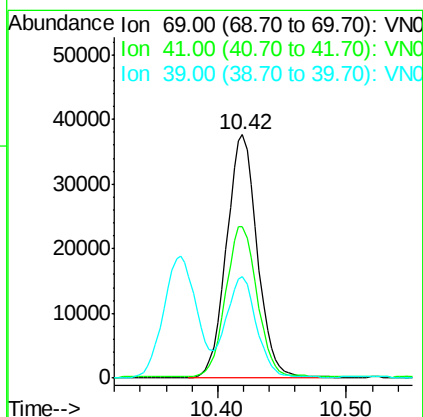
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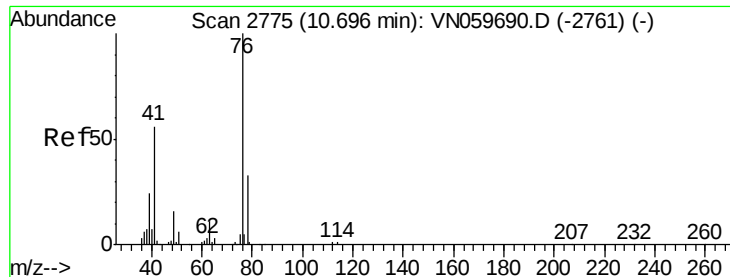
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#56
 Ethyl methacrylate
 Concen: 19.370 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.1	57.1	85.7
39	41.3	34.7	52.1





#57

1,3-Dichloropropane

Concen: 20.551 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

Tot Ion: 76 Resp: 68662

Ion Ratio Lower Upper

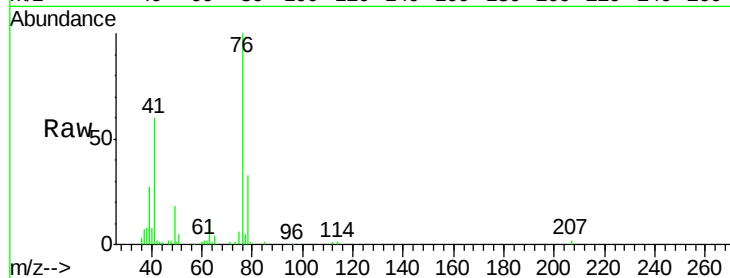
76 100

78 33.2 25.8 38.8

Manual Integrations
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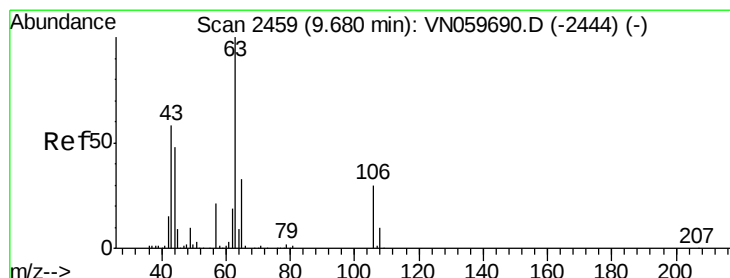
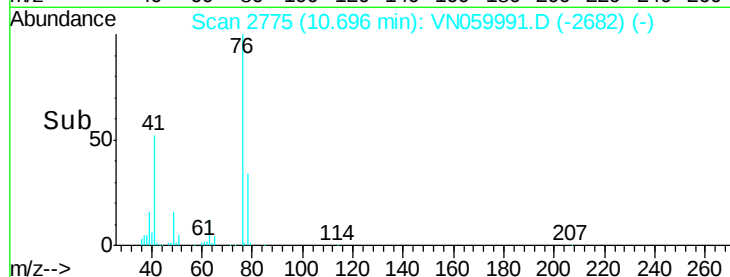
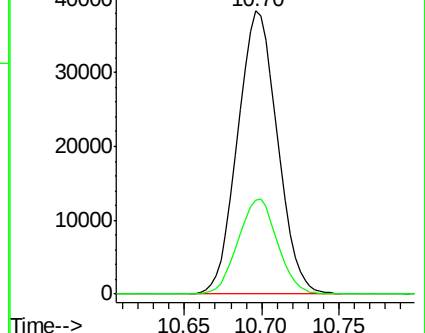
MMDadoda

2/5/2020 12:21:10 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 104.964 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059991.D

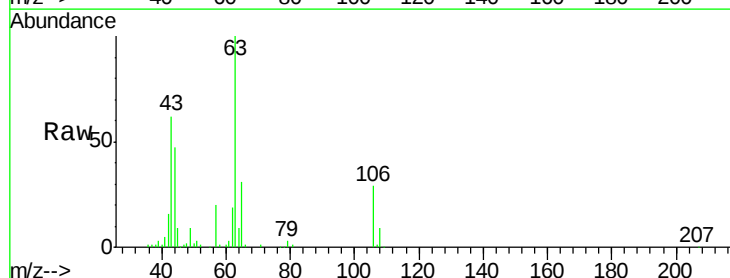
Acq: 4 Feb 2020 13:49

Tgt Ion: 63 Resp: 101664

Ion Ratio Lower Upper

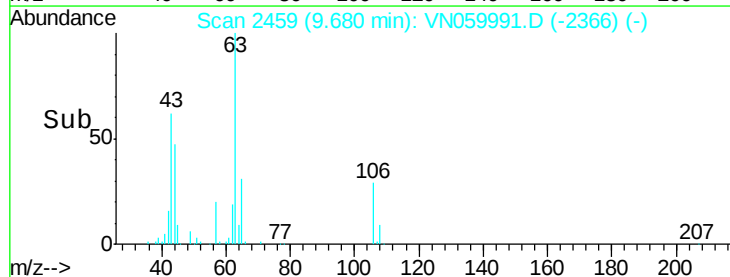
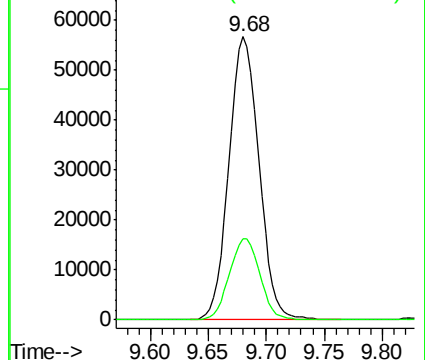
63 100

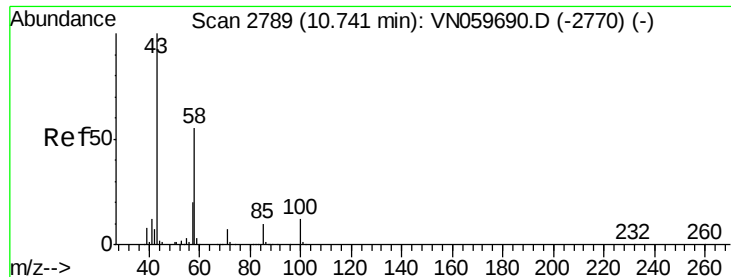
106 28.9 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





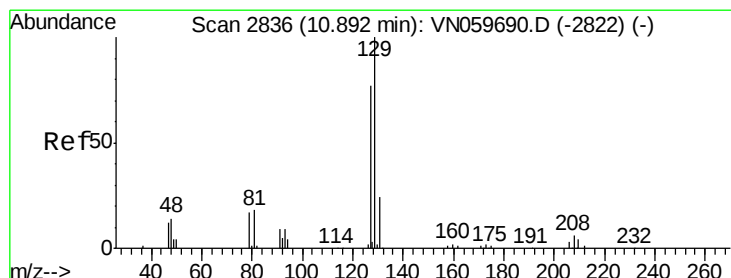
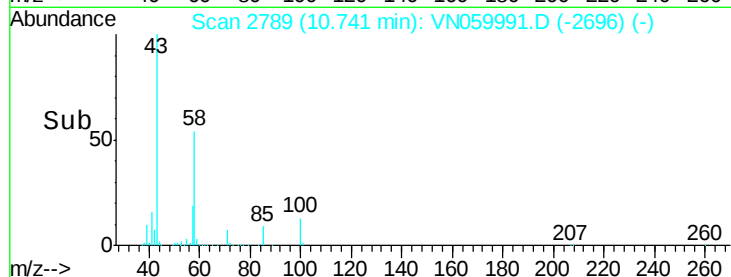
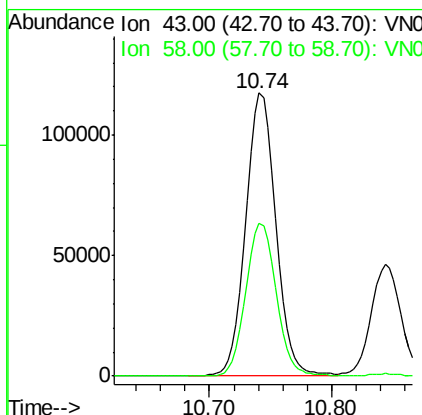
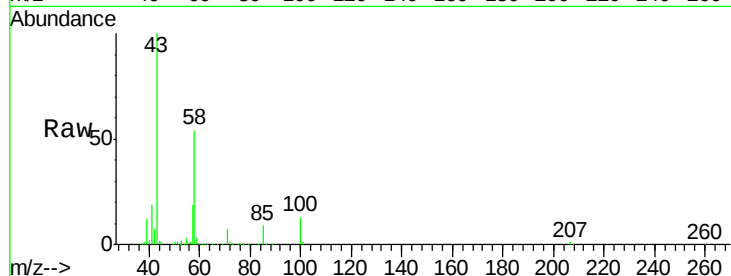
#59
2-Hexanone
Concen: 103.264 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

Tot Ion	43	Resp	200112
Ion Ratio	43	100	
Lower	58	54.5	25.8
Upper			77.3

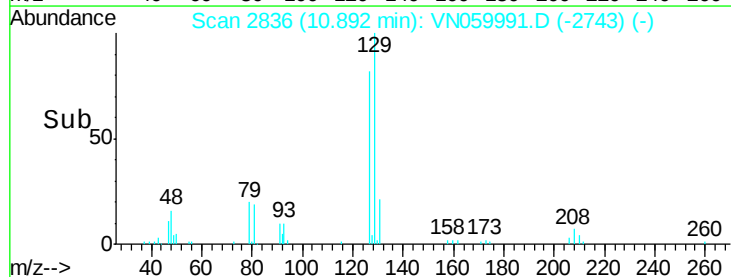
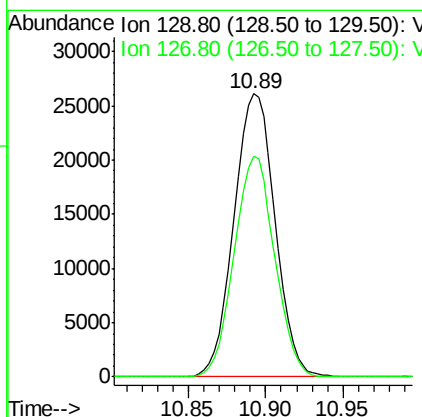
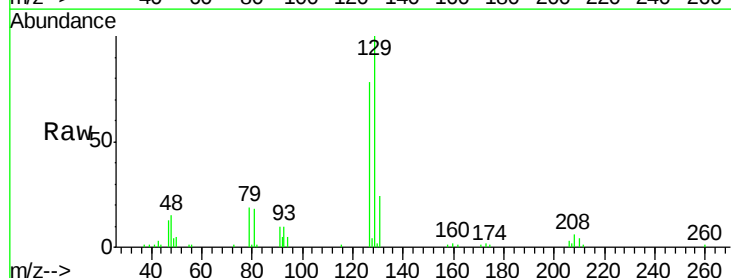
Manual Integrations
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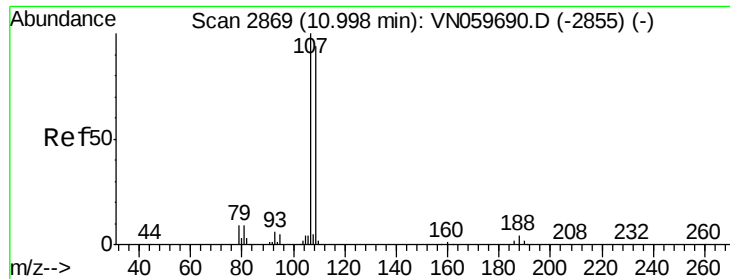
MMDadoda
2/5/2020 12:21:10 PM



#60
Dibromochloromethane
Concen: 20.156 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion	129	Resp	48304
Ion Ratio	129	100	
Lower	127	76.5	38.5
Upper			115.5





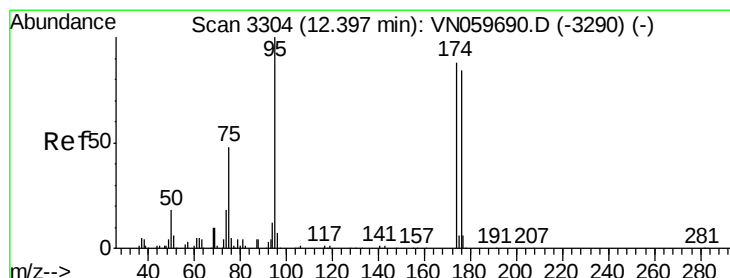
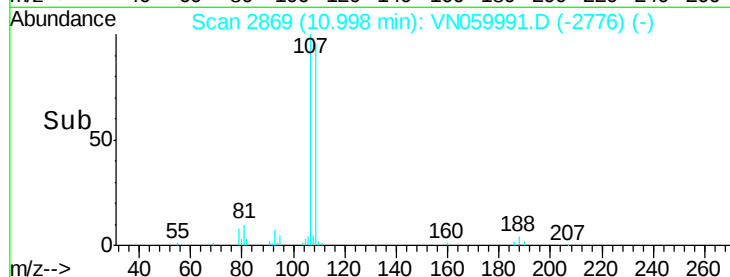
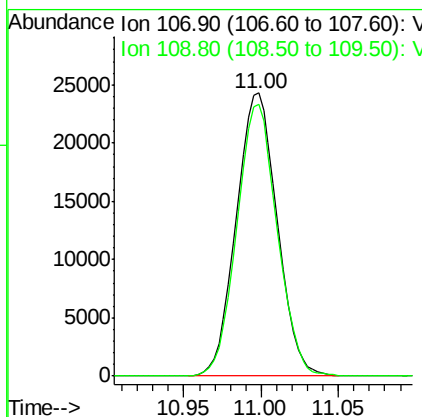
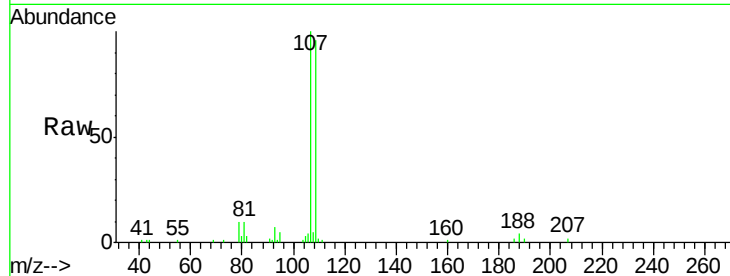
#61
 1,2-Dibromoethane
 Concen: 20.271 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

Tot Ion: 107 Resp: 44712
 Ion Ratio Lower Upper
 107 100
 109 94.3 76.6 115.0

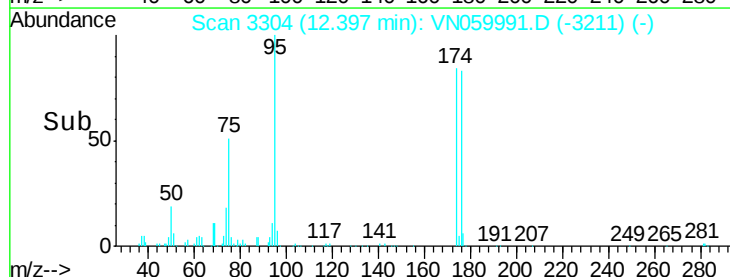
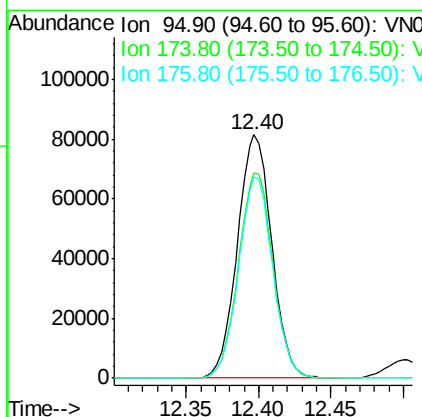
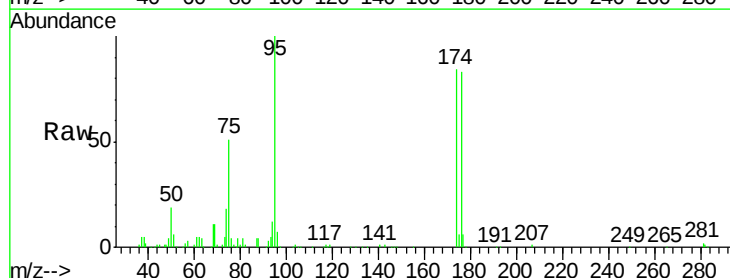
Manual Integrations
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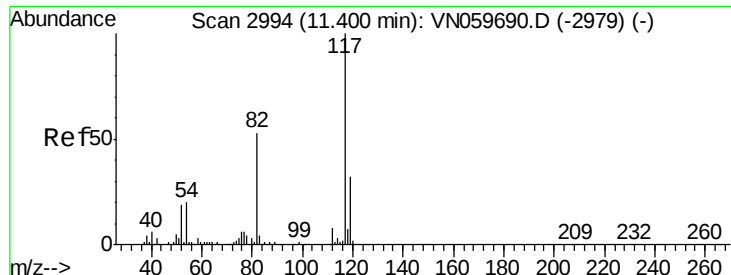
MMDadoda
 2/5/2020 12:21:10 PM



#62
 4-Bromofluorobenzene
 Concen: 49.686 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Tgt Ion: 95 Resp: 134050
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 151.4
 176 82.3 0.0 146.0





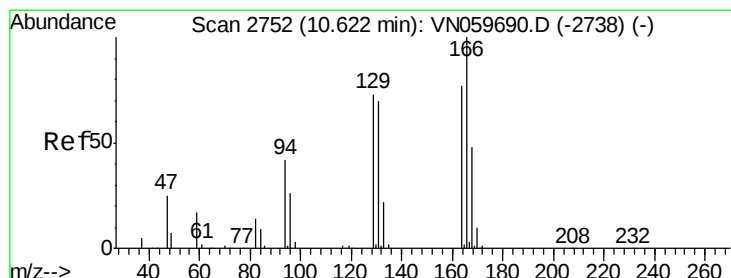
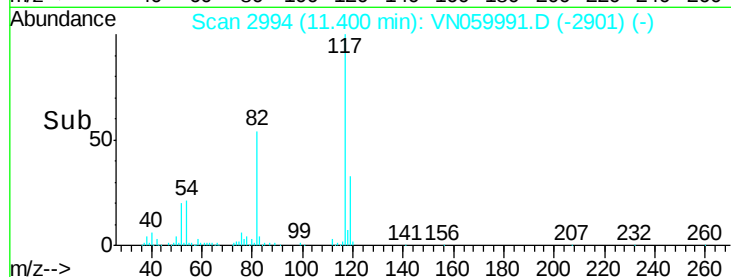
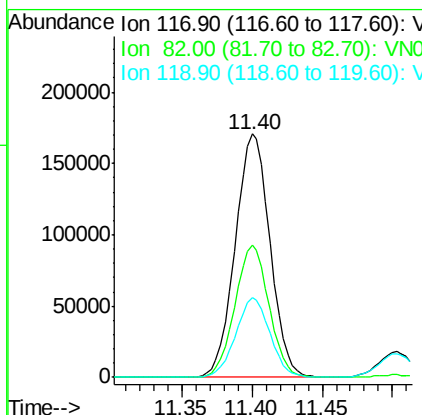
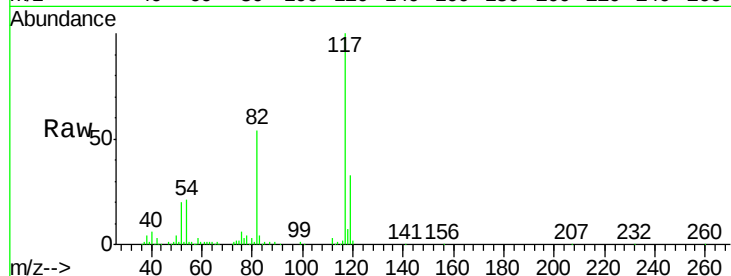
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0204MBSD01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	54.5	45.9	68.9
119	32.6	25.5	38.3

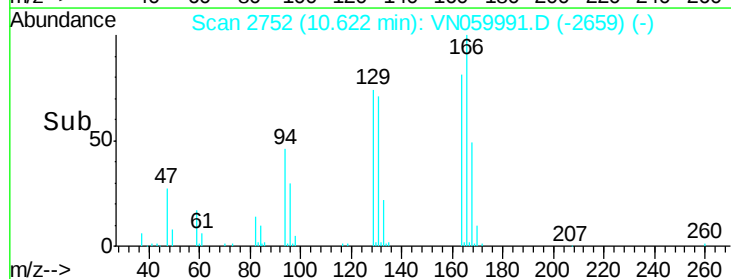
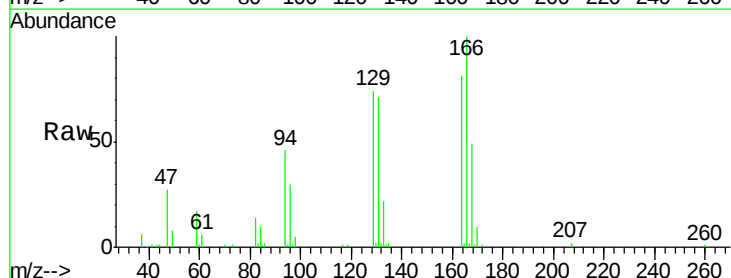
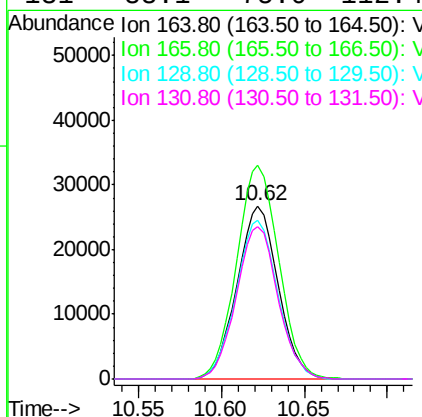
Manual Integrations
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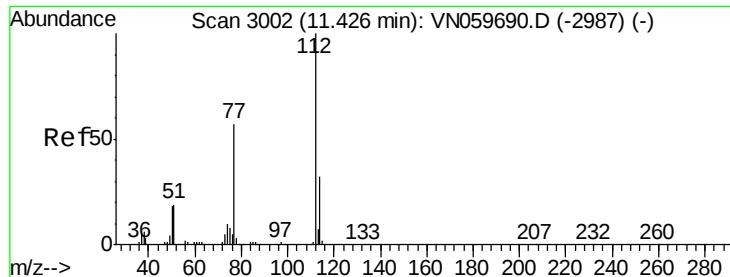
MMDadoda
2/5/2020 12:21:10 PM



#64
Tetrachloroethene
Concen: 19.162 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	123.4	101.4	152.0
129	91.4	80.2	120.4
131	88.1	75.0	112.4





#65

Chlorobenzene

Concen: 19.796 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

Tot Ion:112 Resp: 114881

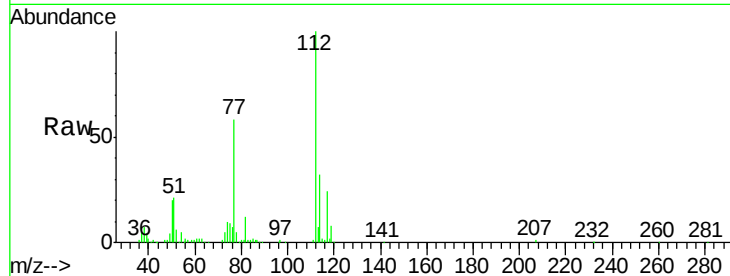
Ion Ratio Lower Upper

112 100

114 32.4 25.8 38.8

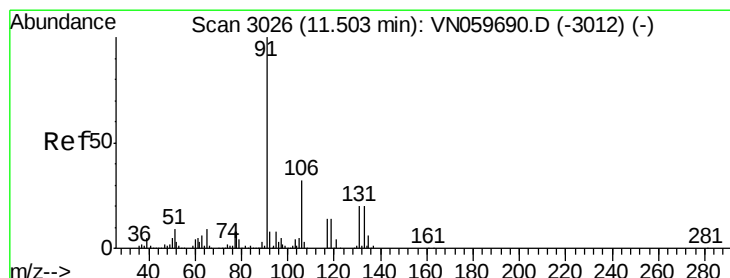
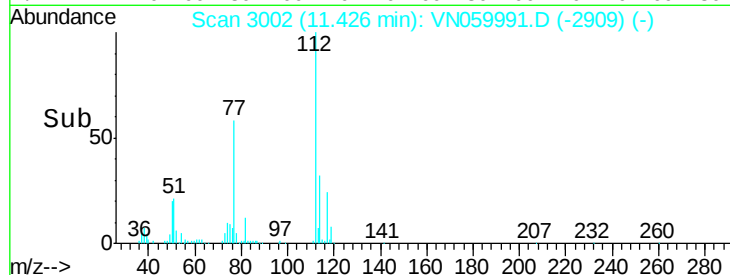
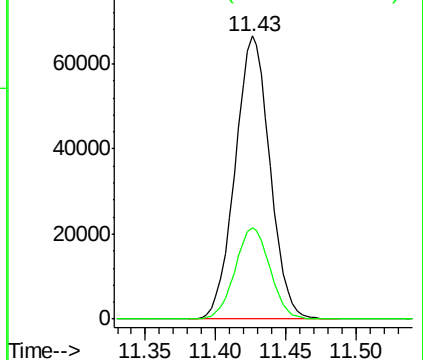
Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:21:10 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.447 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

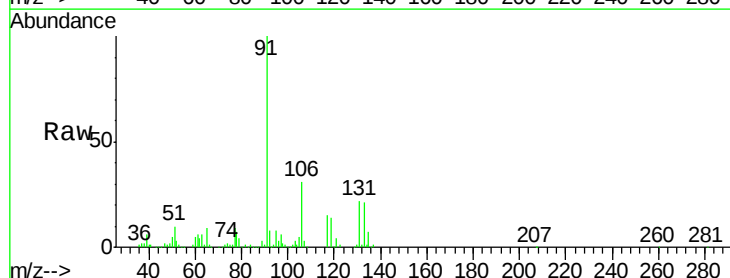
Tgt Ion:131 Resp: 45850

Ion Ratio Lower Upper

131 100

133 95.3 47.4 142.2

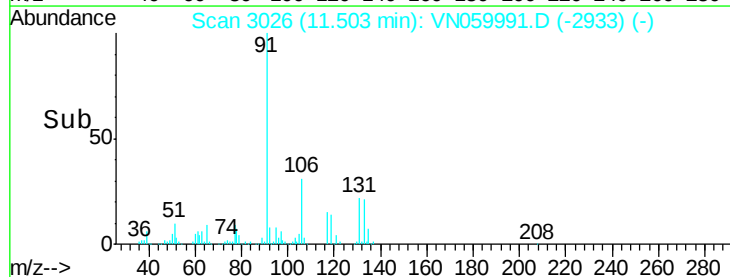
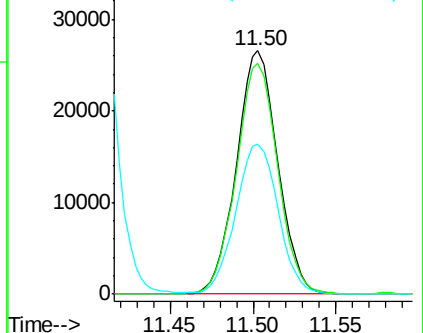
119 63.7 33.1 99.3

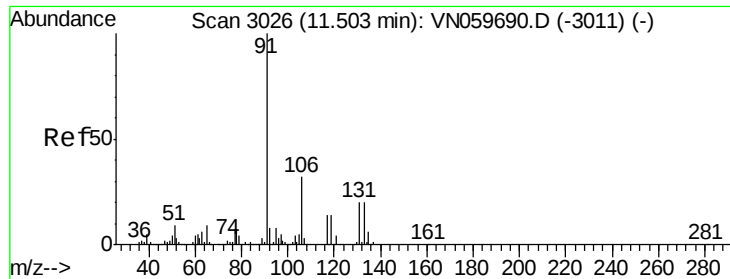


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





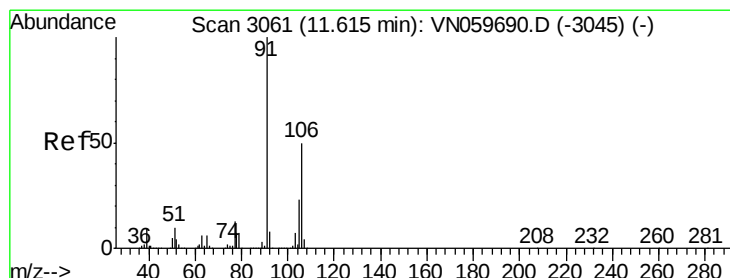
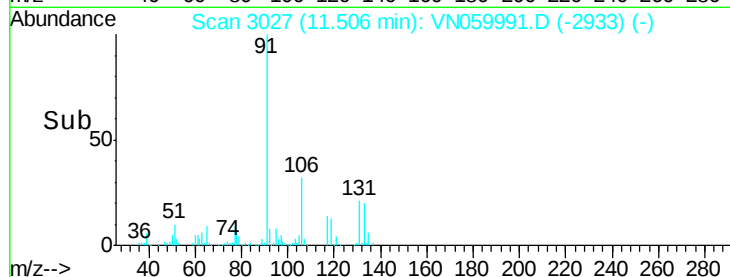
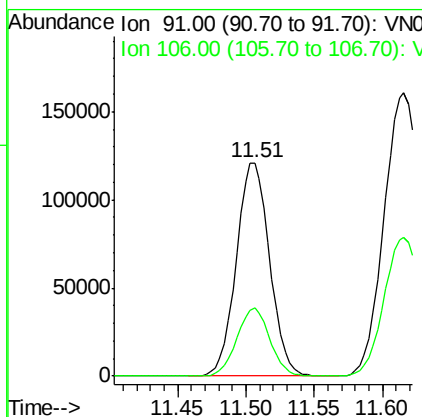
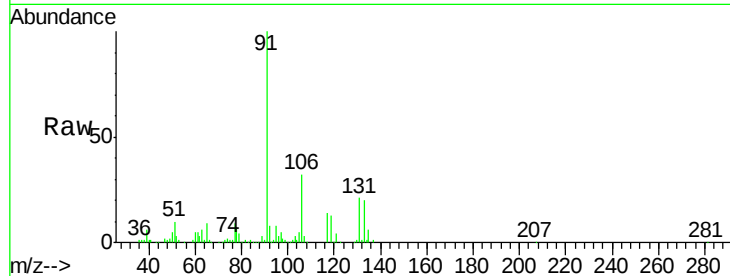
#67
Ethyl Benzene
Concen: 19.451 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0204MBSD01

Tot Ion: 91 Resp: 204915
Ion Ratio Lower Upper
91 100
106 32.0 24.1 36.1

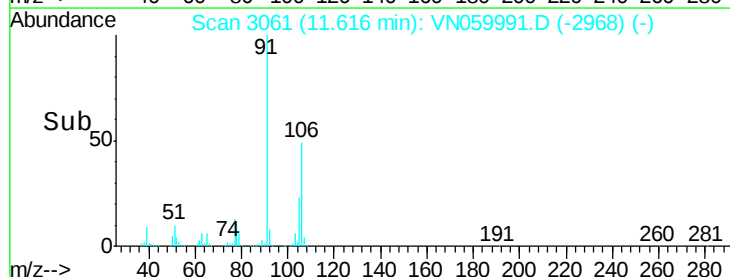
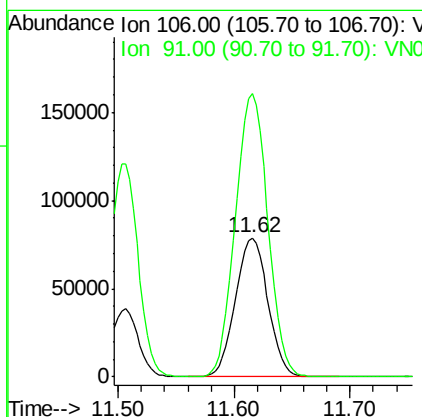
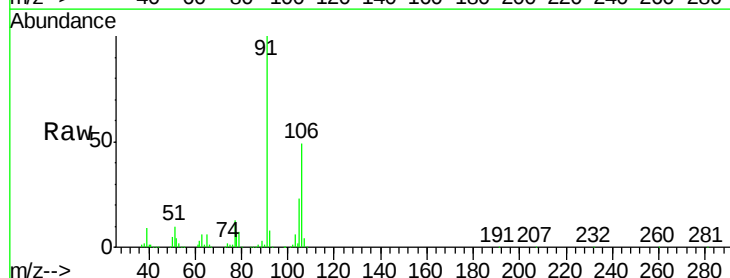
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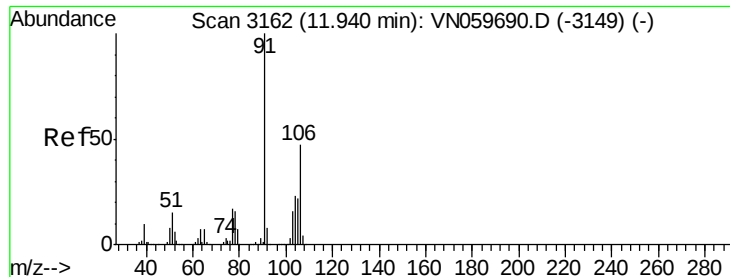
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2/5/2020 12:21:10 PM



#68
m/p-Xylenes
Concen: 38.502 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion: 106 Resp: 153217
Ion Ratio Lower Upper
106 100
91 203.1 167.9 251.9





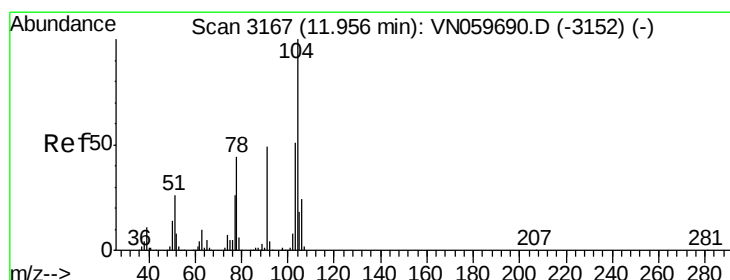
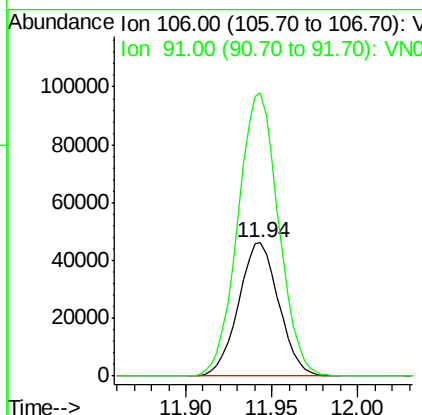
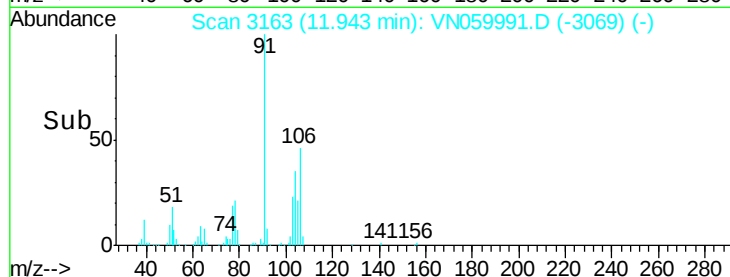
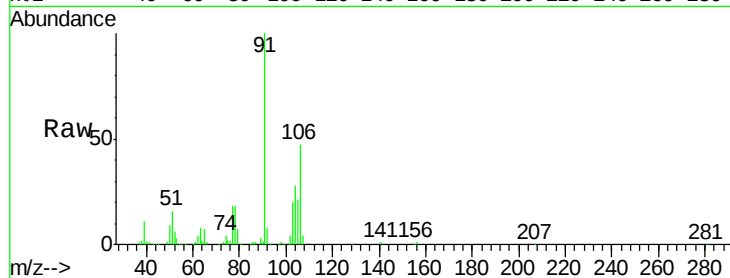
#69
o-Xylene
Concen: 19.352 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

Tot Ion:106 Resp: 75395
Ion Ratio Lower Upper
106 100
91 214.3 110.3 330.9

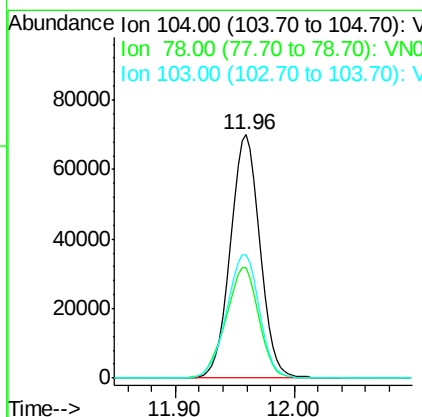
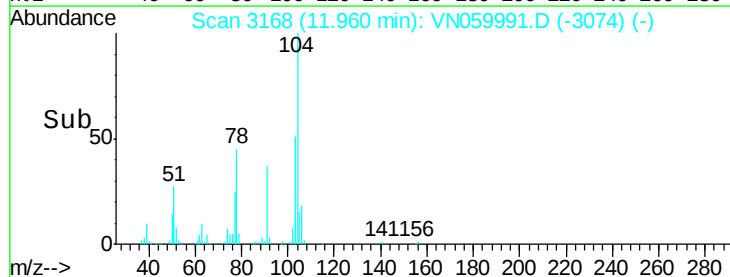
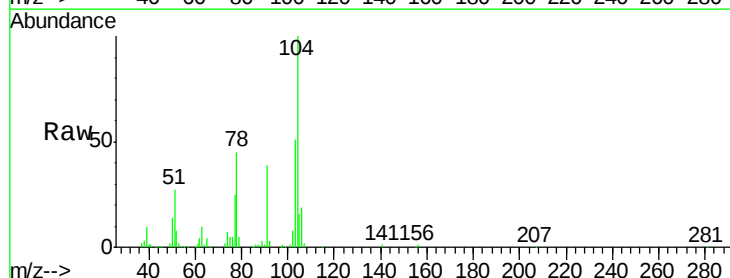
Manual Integrations
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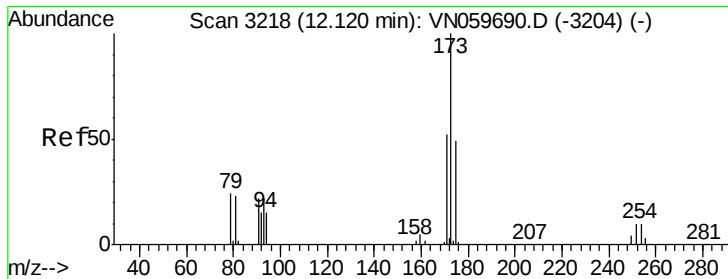
MMDadoda
2/5/2020 12:21:10 PM



#70
Styrene
Concen: 18.514 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion:104 Resp: 120697
Ion Ratio Lower Upper
104 100
78 50.6 42.4 63.6
103 56.2 43.9 65.9





#71

Bromoform

Concen: 20.009 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

Tot Ion:173 Resp: 35940

Ion Ratio Lower Upper

173 100

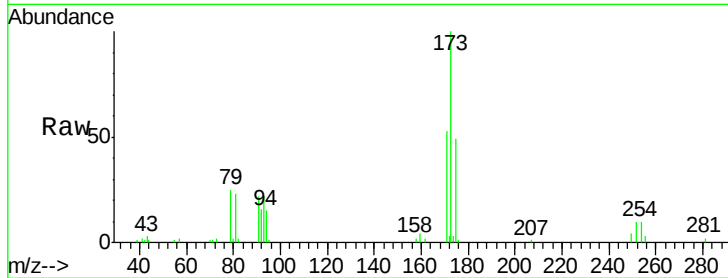
175 48.6 23.8 71.4

254 0.0 0.0 0.0

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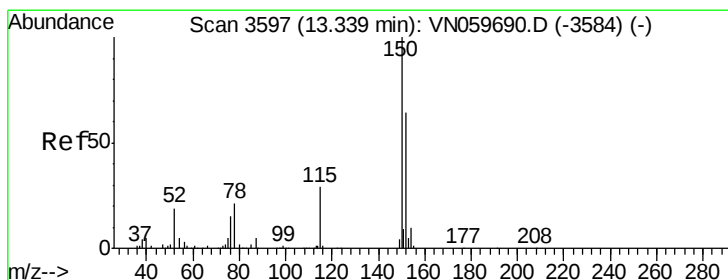
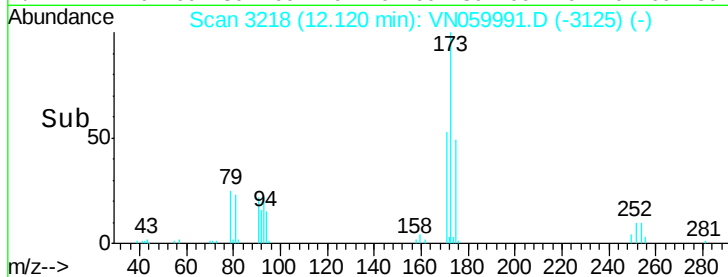
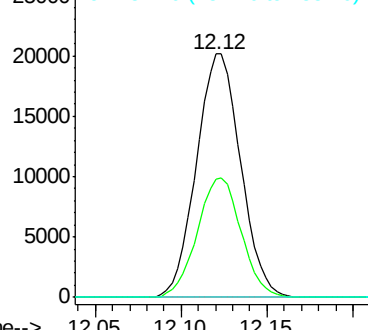
2/5/2020 12:21:10 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

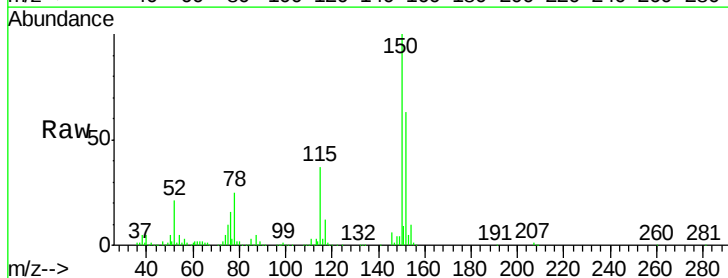
Tgt Ion:152 Resp: 140777

Ion Ratio Lower Upper

152 100

115 59.0 30.3 90.9

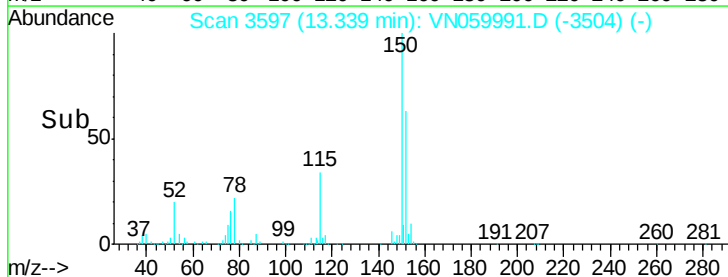
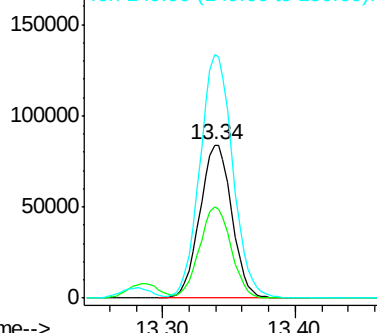
150 162.8 0.0 345.2

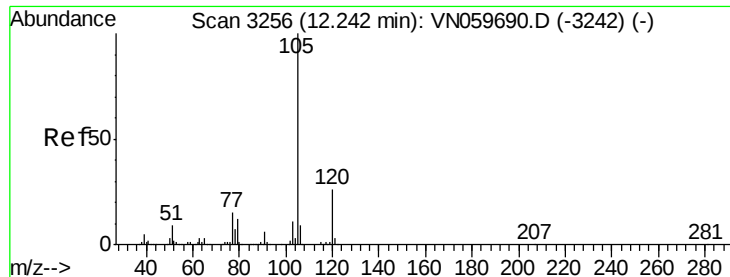


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.748 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

Tot Ion: 105 Resp: 203889

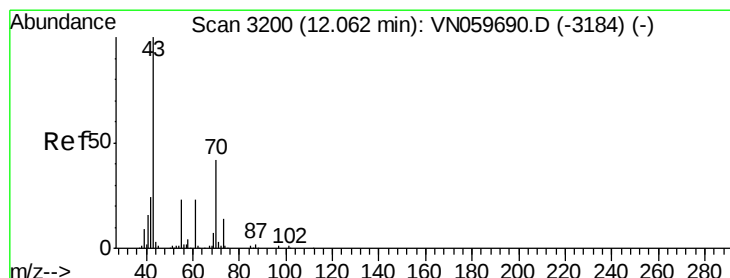
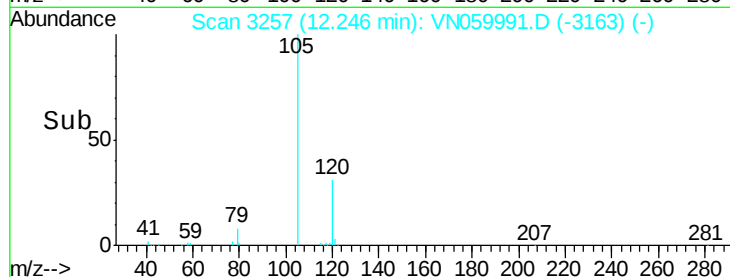
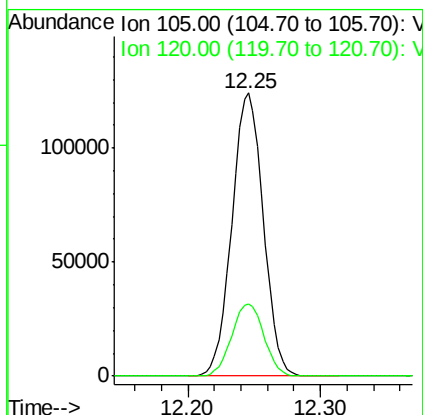
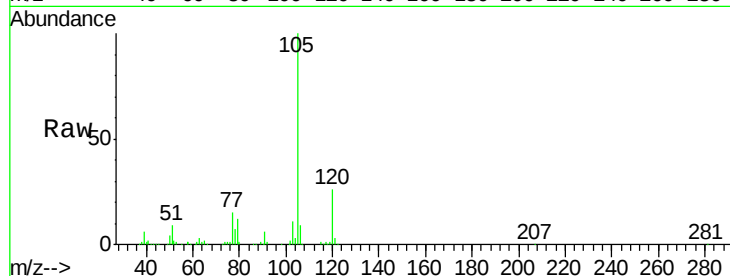
Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5

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#74

N-ethyl acetate

Concen: 19.291 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Tgt Ion: 43 Resp: 77283

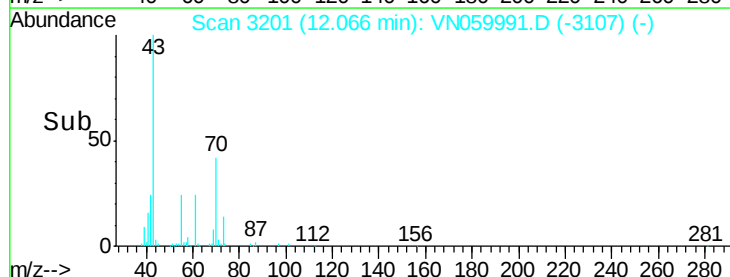
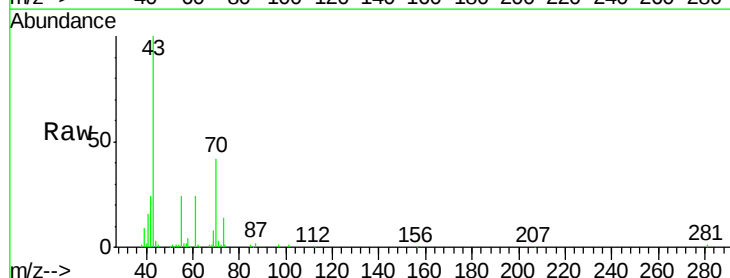
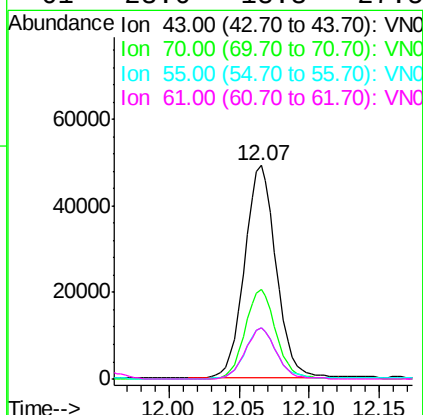
Ion Ratio Lower Upper

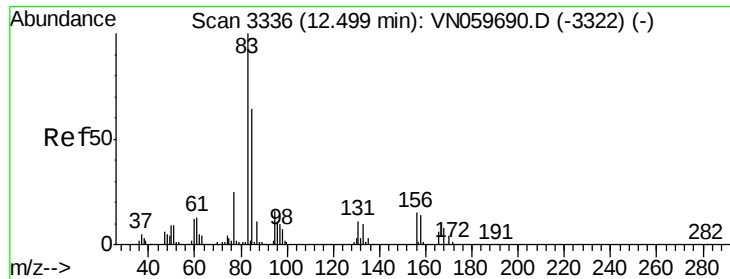
43 100

70 41.6 31.3 46.9

55 24.7 19.8 29.6

61 23.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.185 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

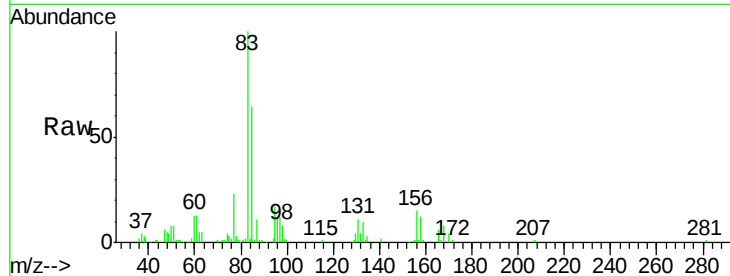
ClientSampleId :

VN0204MBSD01

Tot Ion:	83	Resp:	60416
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.0	14.9
85	63.5	31.9	95.5

Manual Integrations
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MMDadoda
2/5/2020 12:21:10 PM



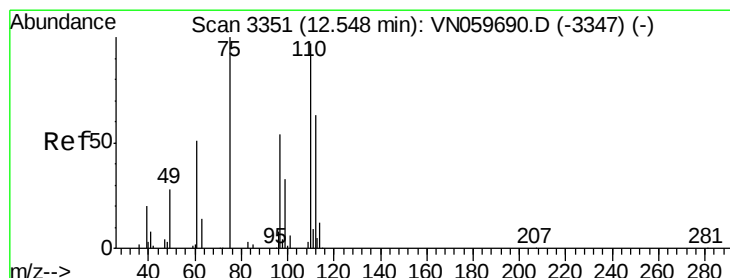
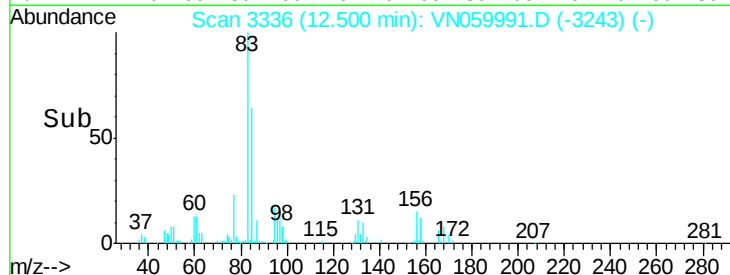
Abundance Ion 82.90 (82.60 to 83.60): VN059991.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059991.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059991.D (-3322) (-)

Time-->

12.50



#76

1,2,3-Trichloropropane

Concen: 24.906 ug/l m

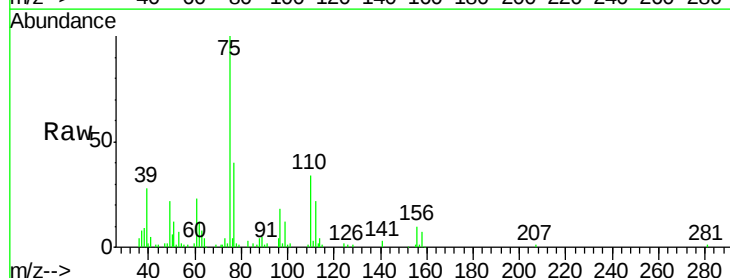
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Tgt Ion:	75	Resp:	59006
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

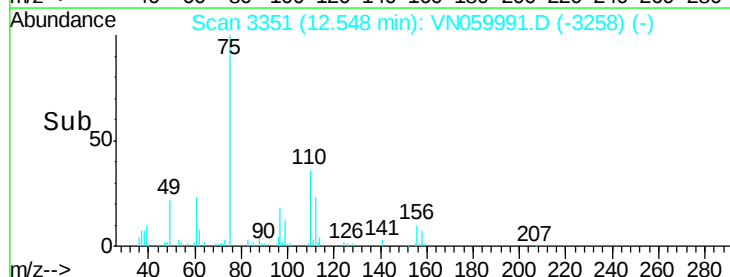


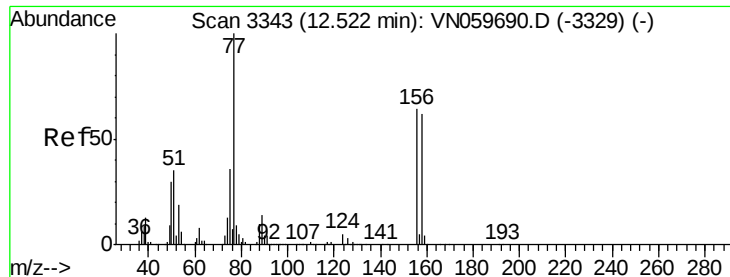
Abundance Ion 74.90 (74.60 to 75.60): VN059991.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN059991.D (-3347) (-)

Time-->

12.55





#77

Bromobenzene

Concen: 21.526 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

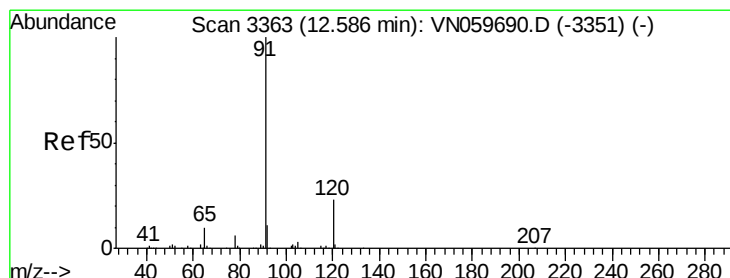
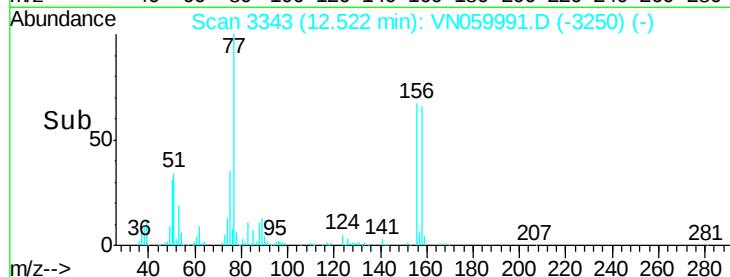
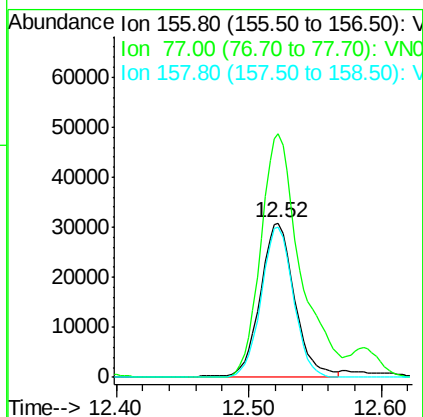
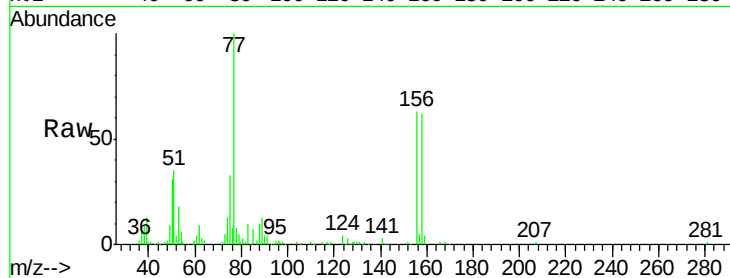
ClientSampleId :

VN0204MBSD01

Tot Ion:	156	Resp:	56280
Ion Ratio	Lower	Upper	
156	100		
77	179.7	115.8	347.4
158	90.3	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.812 ug/l

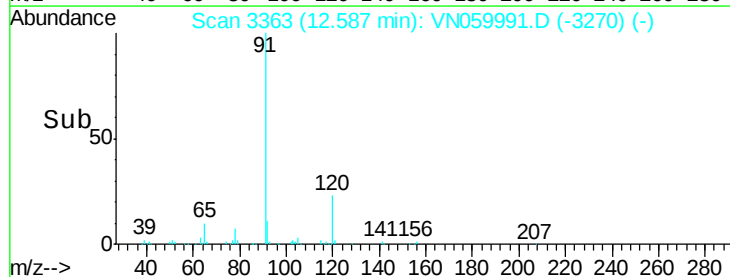
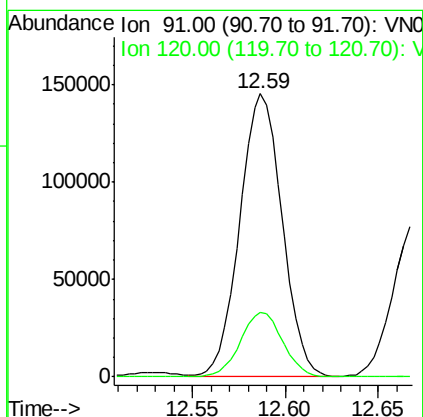
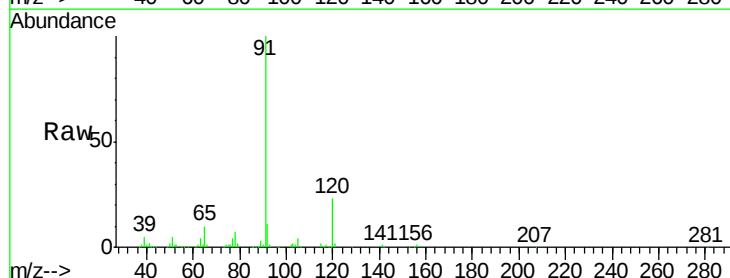
RT: 12.59 min Scan# 3363

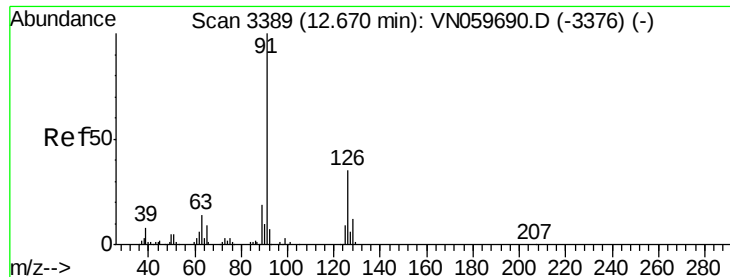
Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Tgt Ion:	91	Resp:	229588
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.1	33.3





#79

2-Chlorotoluene

Concen: 19.682 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

Tot Ion: 91 Resp: 135683

Ion Ratio Lower Upper

91 100

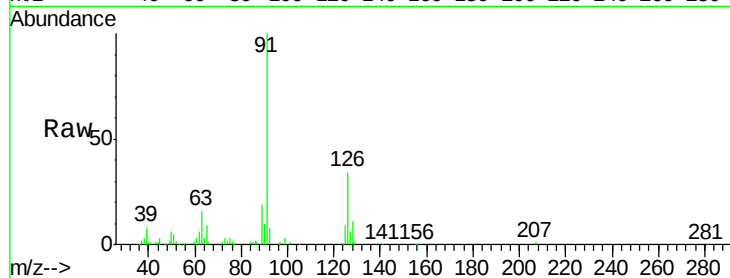
126 34.8 16.3 48.9

Manual Integrations

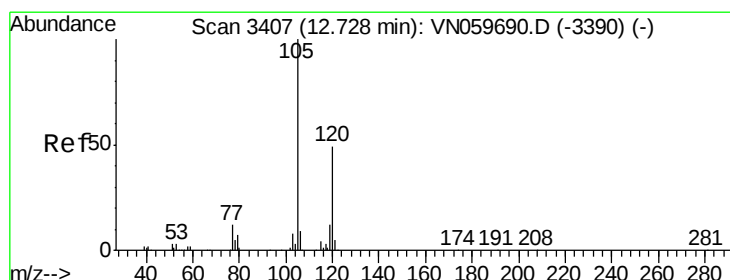
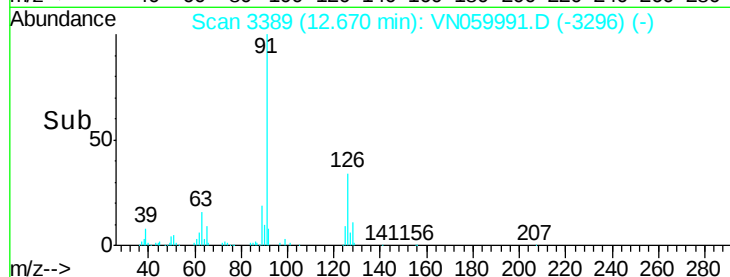
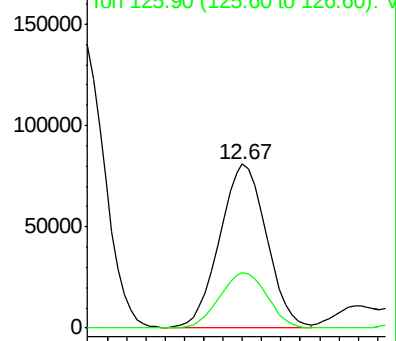
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Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.251 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059991.D

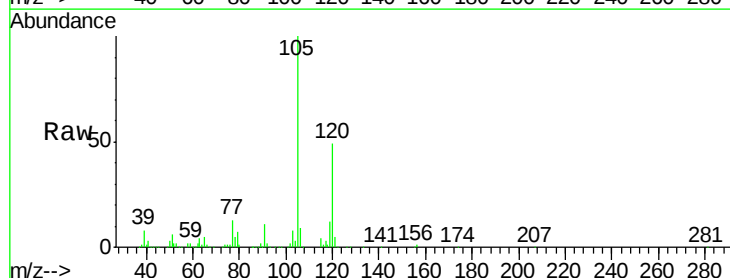
Acq: 4 Feb 2020 13:49

Tgt Ion: 105 Resp: 167154

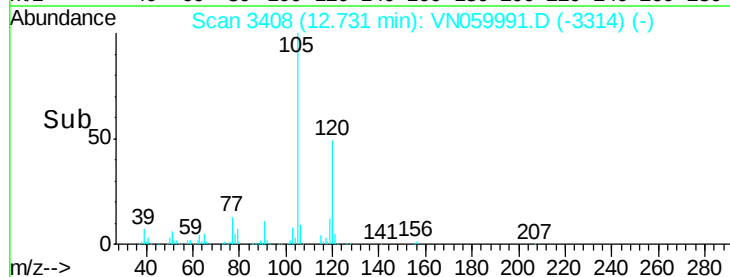
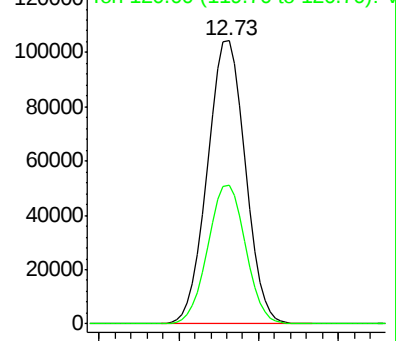
Ion Ratio Lower Upper

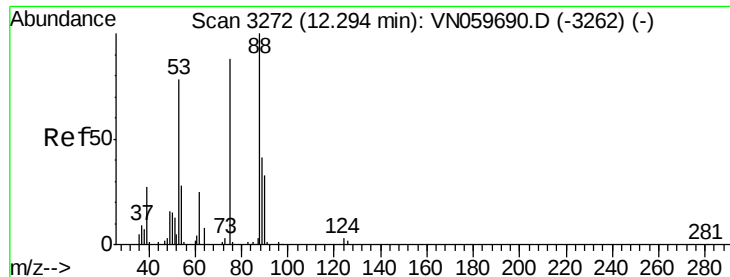
105 100

120 49.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059690.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.125 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

Tot Ion: 75 Resp: 21099

Ion Ratio Lower Upper

75 100

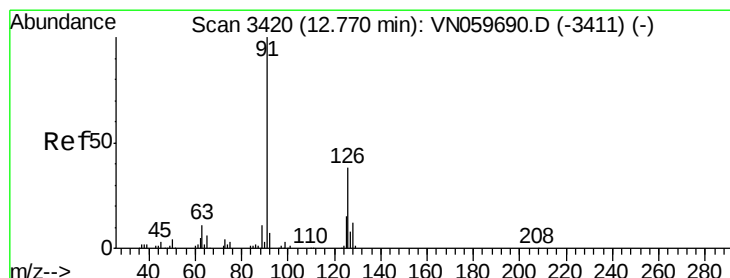
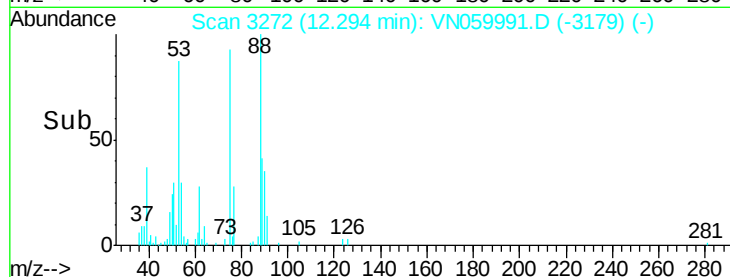
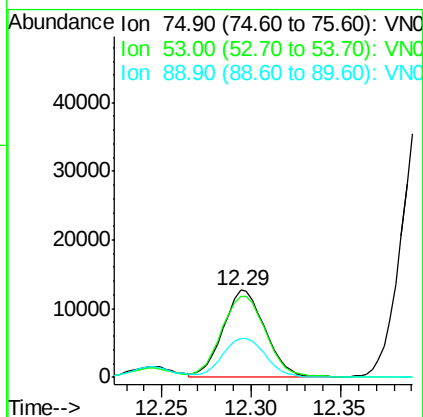
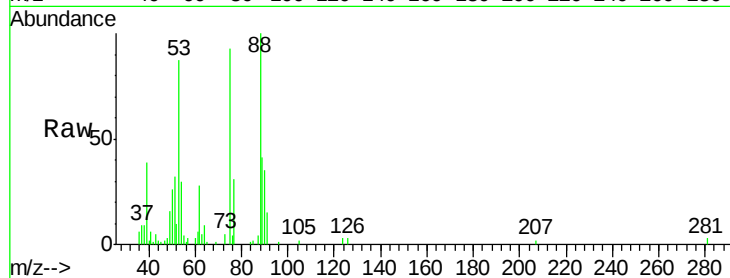
53 98.0 78.1 117.1

89 45.3 35.4 53.2

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#82

4-Chlorotoluene

Concen: 20.040 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059991.D

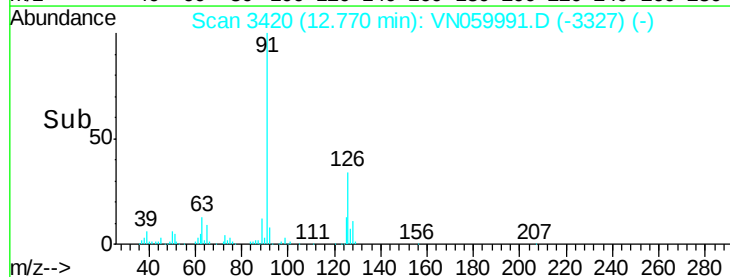
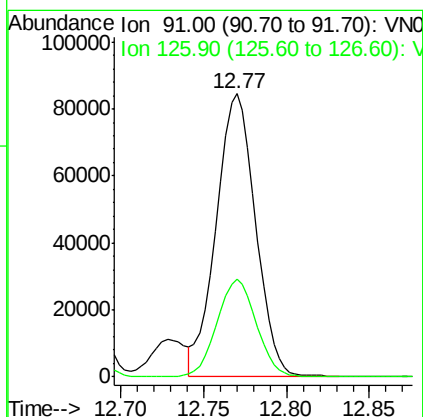
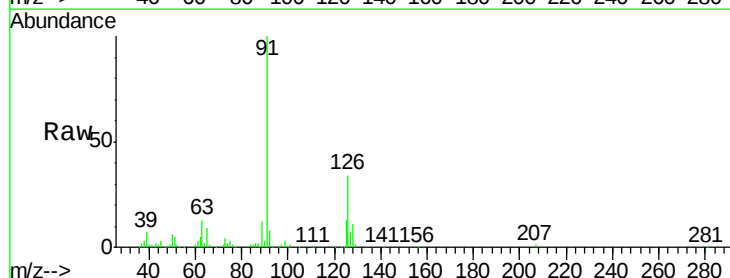
Acq: 4 Feb 2020 13:49

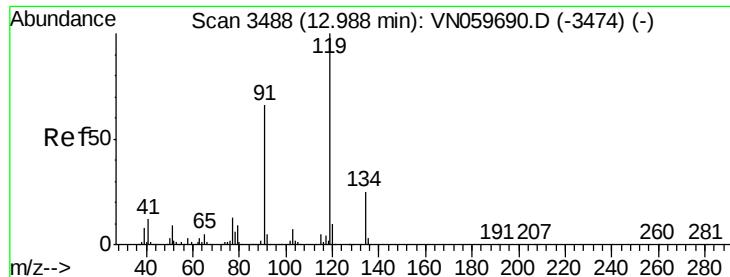
Tgt Ion: 91 Resp: 138572

Ion Ratio Lower Upper

91 100

126 34.6 16.3 48.8





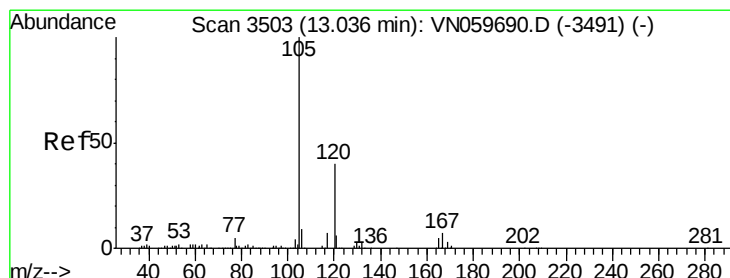
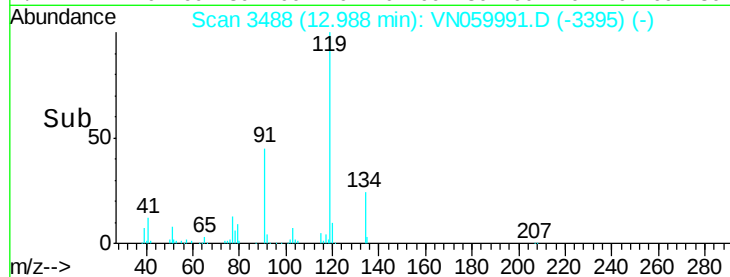
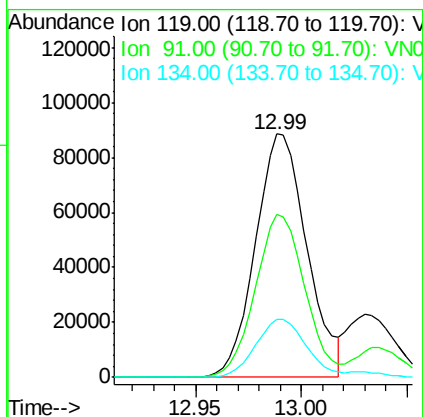
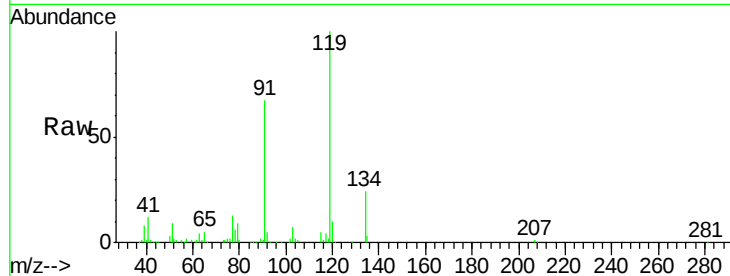
#83
tert-Butylbenzene
Concen: 20.001 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	34.8	104.4
134	23.7	12.3	36.9

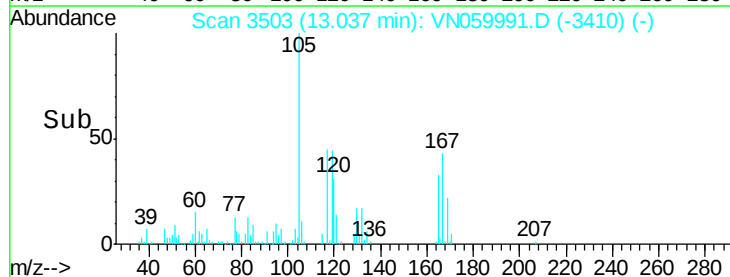
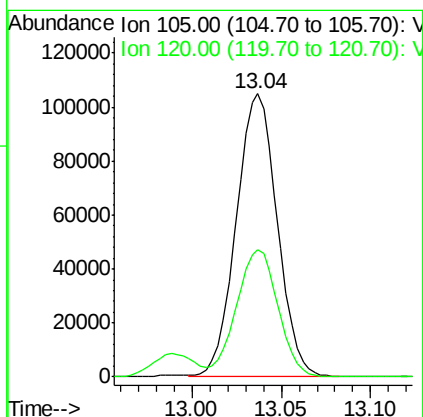
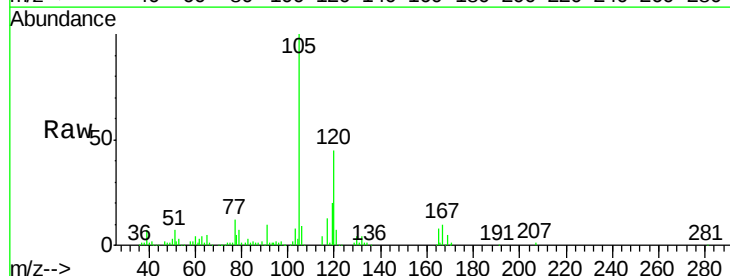
Manual Integrations
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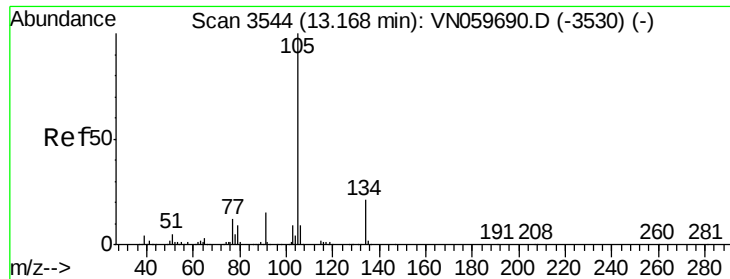
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.500 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.3	66.9





#85

sec-Butylbenzene

Concen: 19.632 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

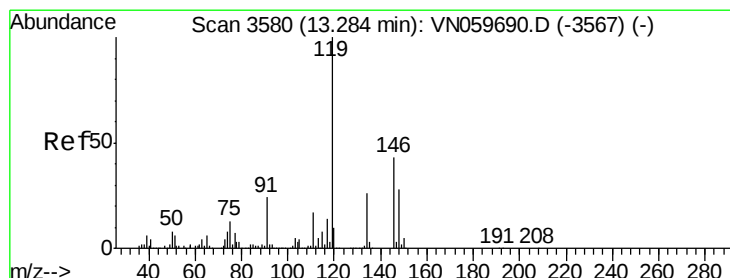
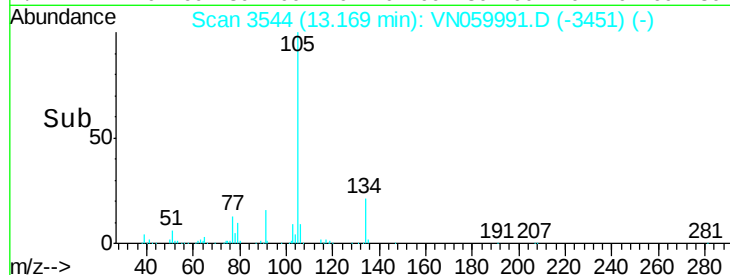
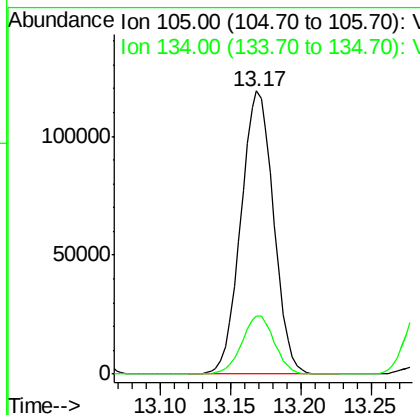
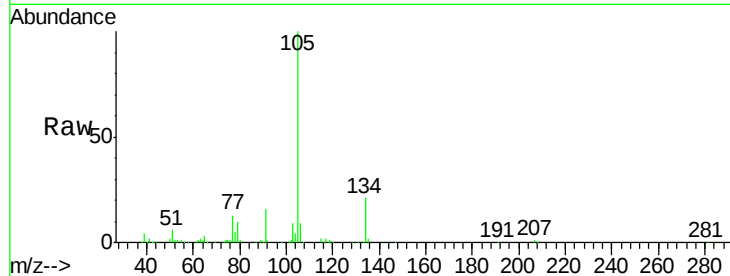
ClientSampled :

VN0204MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	9.8	29.5

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#86

p-Isopropyltoluene

Concen: 19.273 ug/l

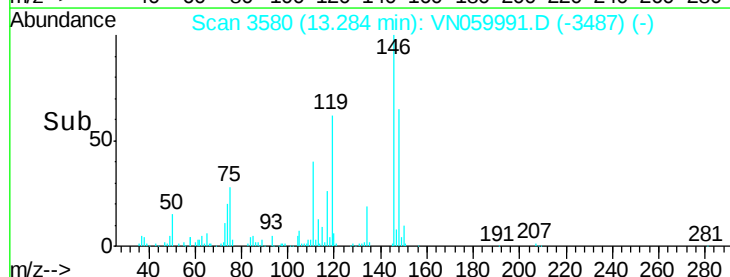
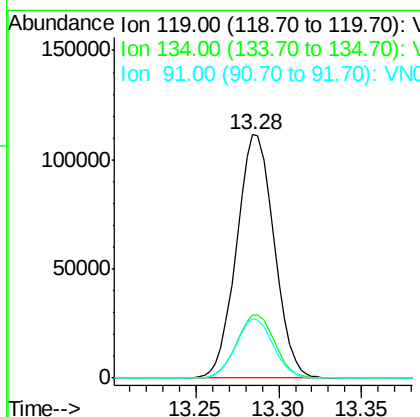
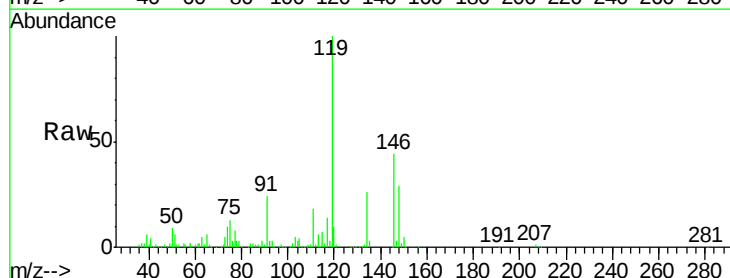
RT: 13.28 min Scan# 3580

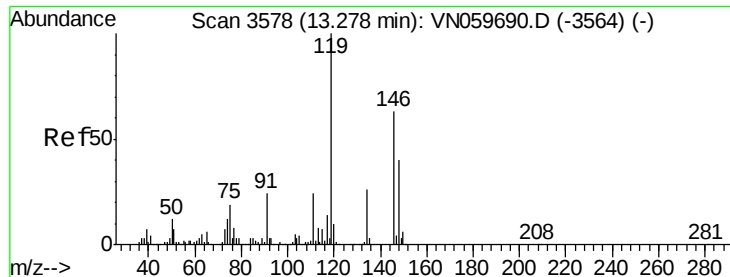
Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.7
91	24.4	12.4	37.4





#87

1,3-Dichlorobenzene

Concen: 19.689 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059991.D

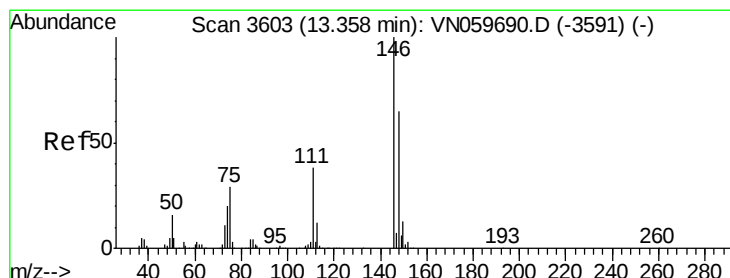
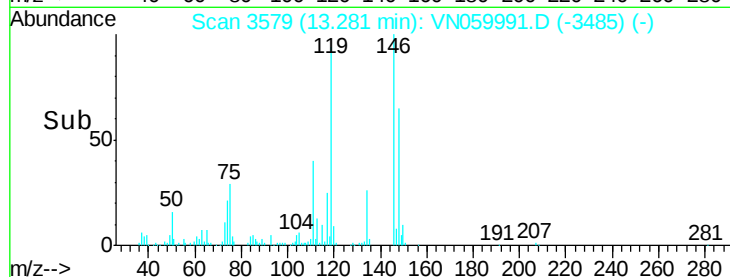
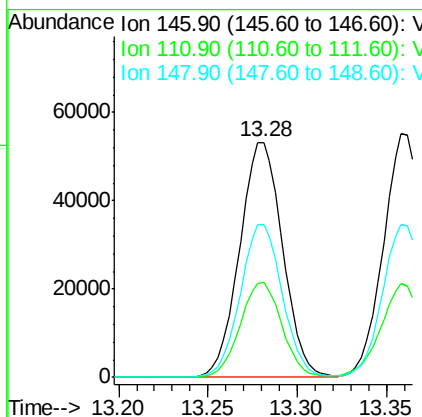
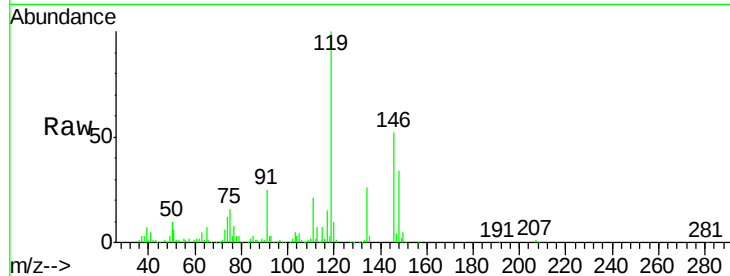
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0204MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.2	20.8	62.2	
148	63.8	32.0	96.0	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.853 ug/l

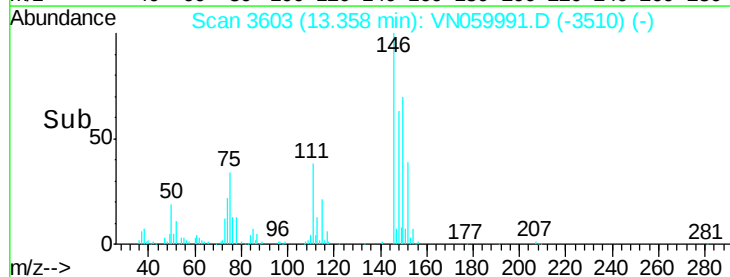
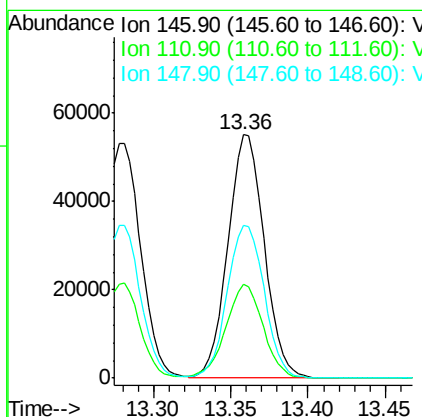
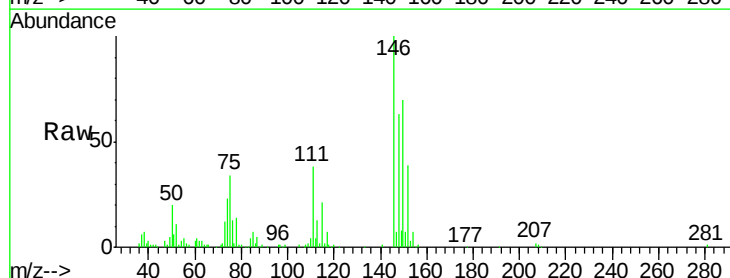
RT: 13.36 min Scan# 3603

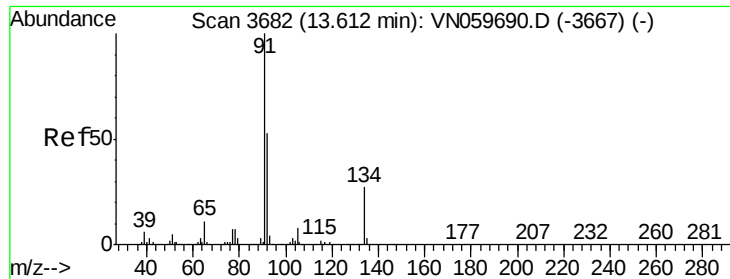
Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.7	20.8	62.2	
148	64.0	31.8	95.4	





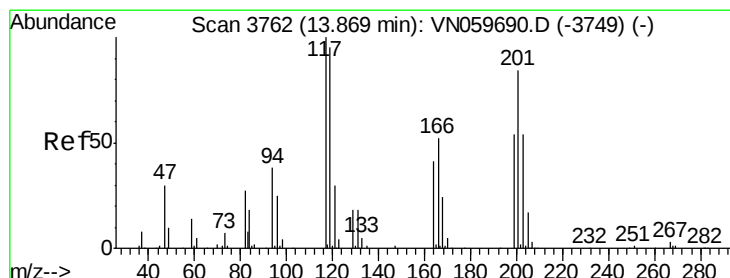
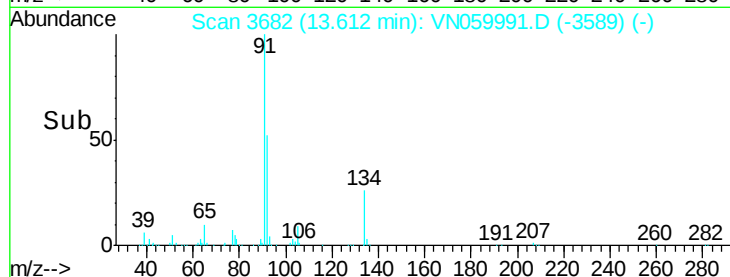
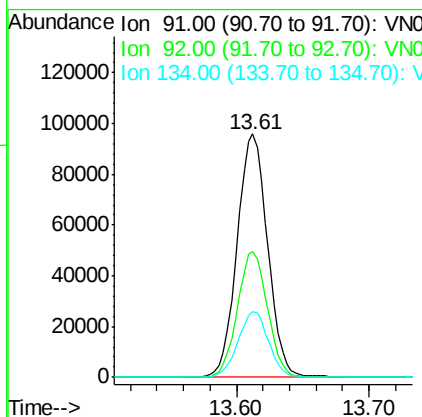
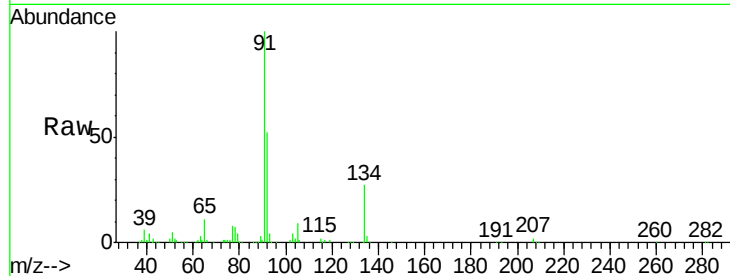
#89
n-Butylbenzene
Concen: 19.654 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.9	77.7
134	27.2	12.3	36.8

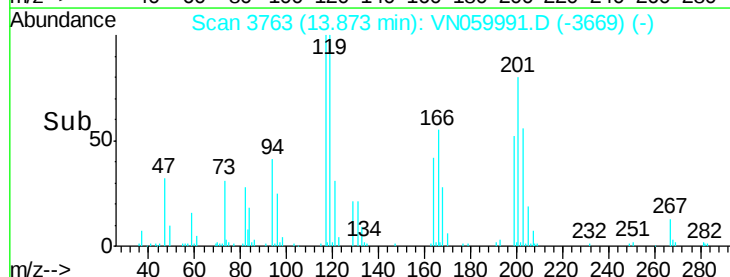
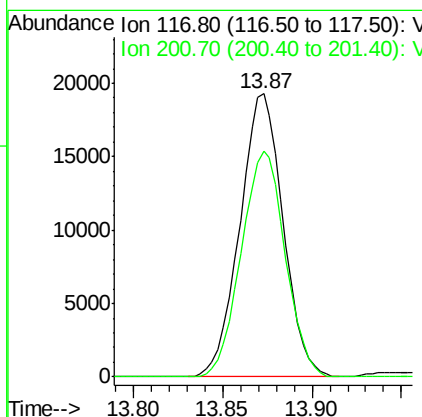
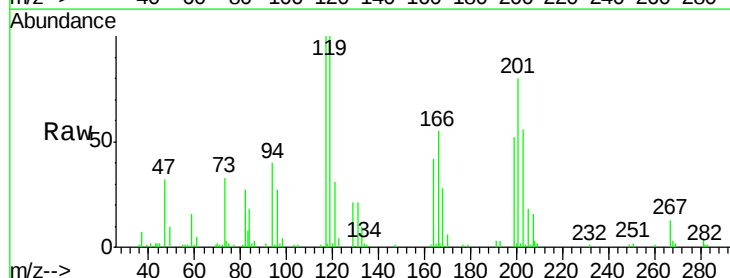
Manual Integrations
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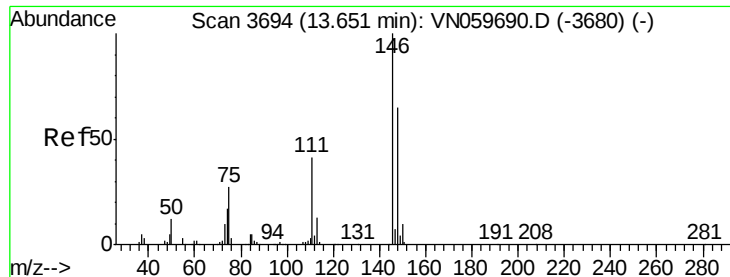
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#90
Hexachloroethane
Concen: 19.050 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.8	37.8	113.4





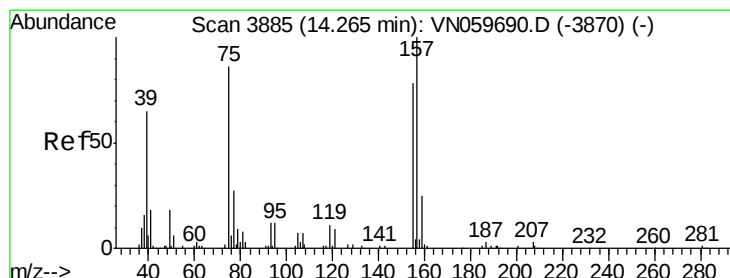
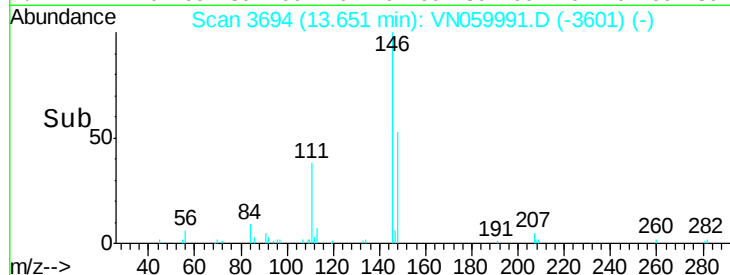
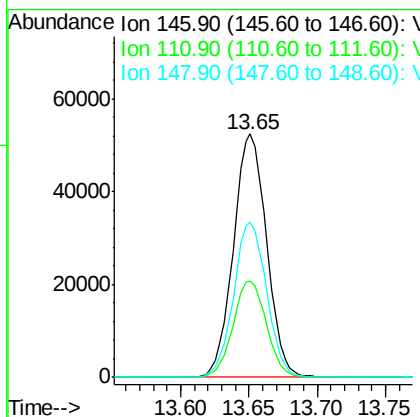
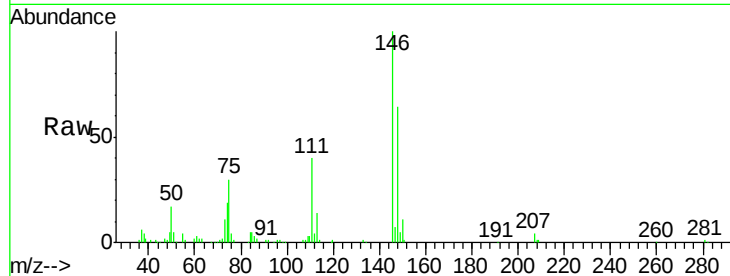
#91
 1,2-Dichlorobenzene
 Concen: 19.724 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	88560		
111	39.9		21.6	64.8
148	63.3		31.6	95.0

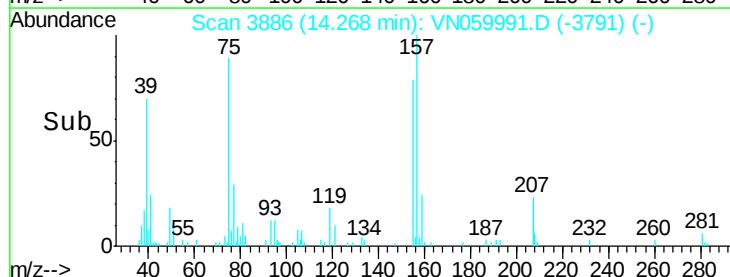
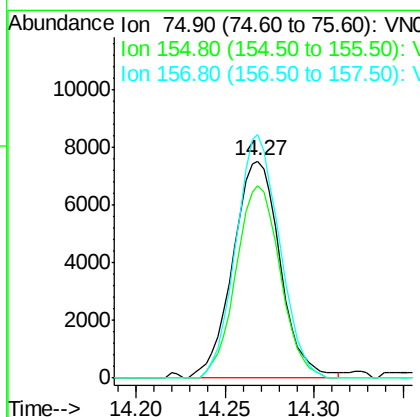
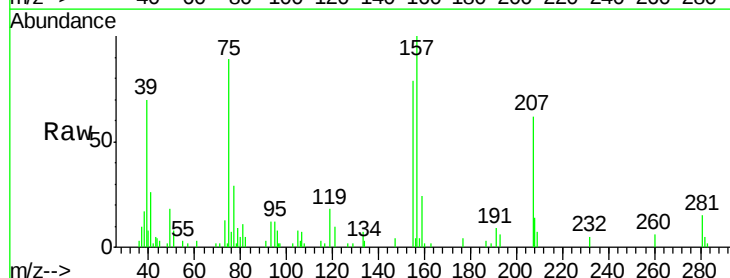
Manual Integrations
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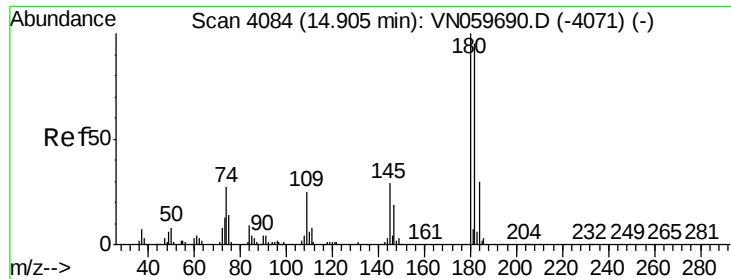
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 2/5/2020 12:21:10 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.337 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	13861		
155	82.9		37.0	110.9
157	103.4		48.4	145.2





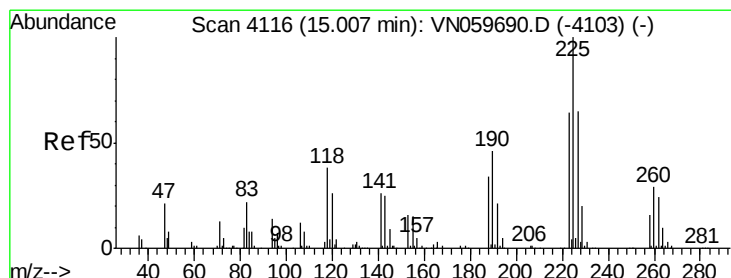
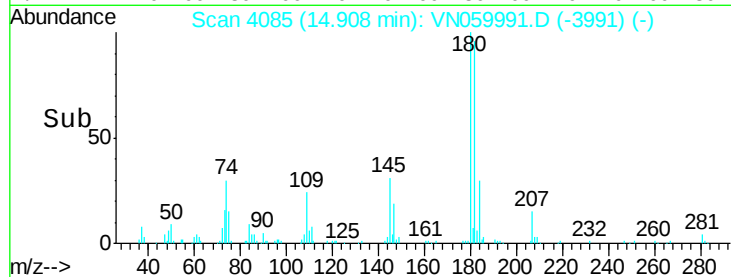
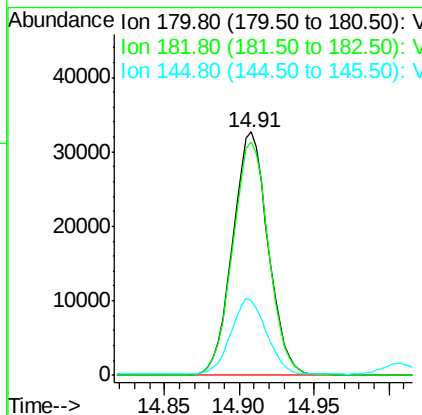
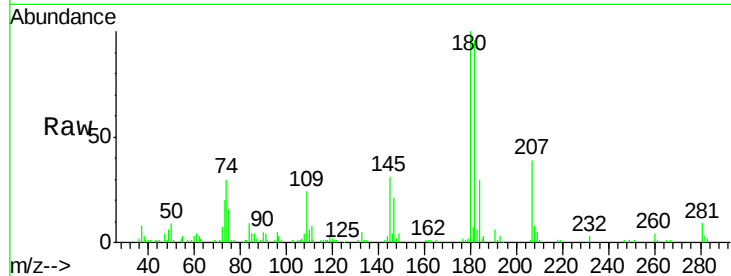
#93
 1,2,4-Trichlorobenzene
 Concen: 20.016 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	54000		
182	97.0	46.9	140.7	
145	31.0	15.0	45.1	

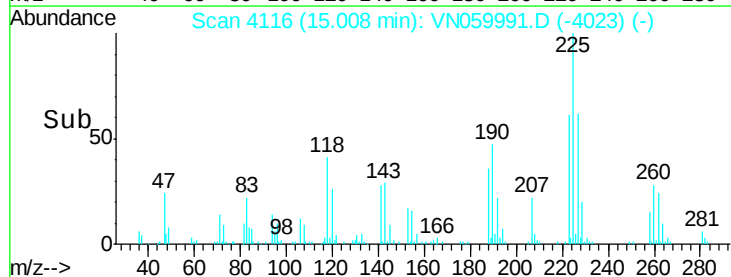
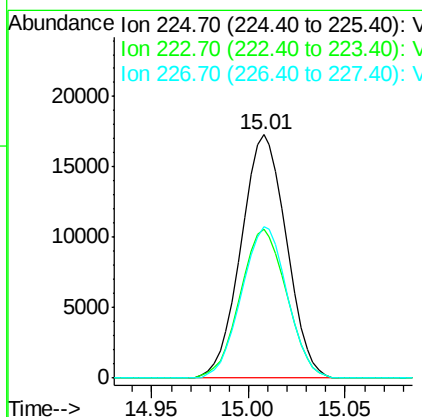
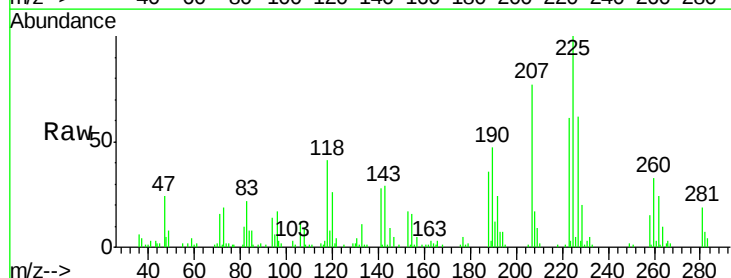
Manual Integrations
 APPROVED

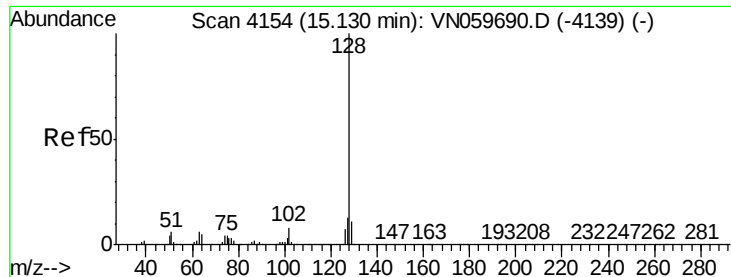
MMDadoda
 2/5/2020 12:21:10 PM



#94
 Hexachlorobutadiene
 Concen: 18.977 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28214		
223	62.6	31.8	95.3	
227	62.4	32.1	96.5	





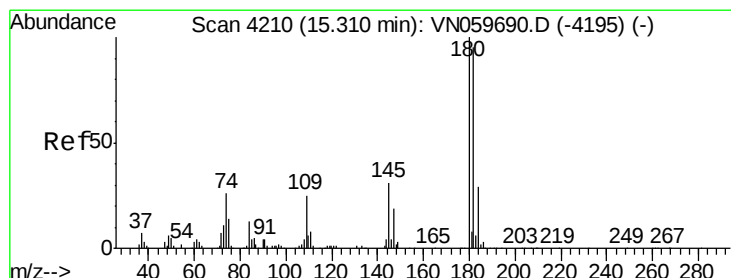
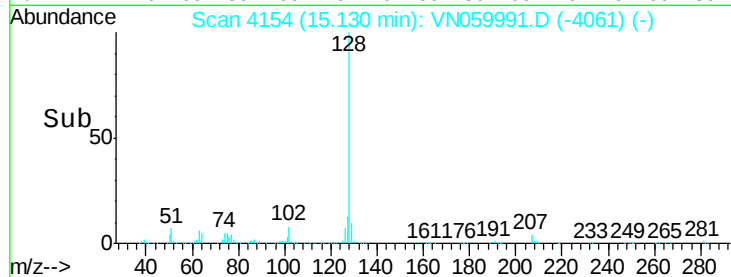
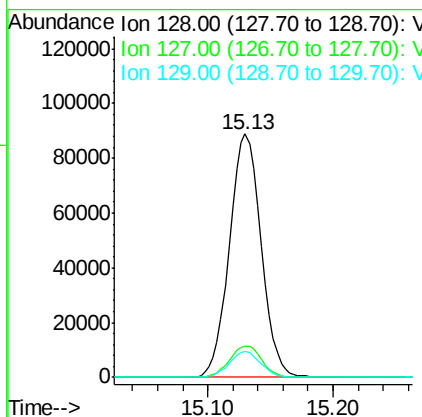
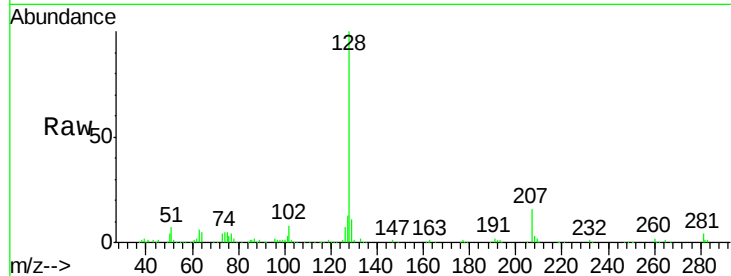
#95
Naphthalene
Concen: 20.354 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

Tot Ion:	128	Resp:	156192
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:21:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.315 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion:	180	Resp:	53347
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.4	142.3
145	35.1	16.3	48.9

