

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020619\
 Data File : VN053626.D
 Acq On : 6 Feb 2019 11:22
 Operator : JC/SP
 Sample : VN0206WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/7/2019 11:04:16 AM

Quant Time: Feb 07 04:01:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	697408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1049788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	925307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	444202	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	353635	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
35) Dibromofluoromethane	7.59	113	337055	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.09	98	1258974	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.40	95	421103	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	148993	19.160	ug/l	100
3) Chloromethane	2.06	50	155916	18.831	ug/l	99
4) Vinyl Chloride	2.19	62	154293	19.197	ug/l	99
5) Bromomethane	2.57	94	101882	19.387	ug/l	95
6) Chloroethane	2.71	64	88026	19.165	ug/l	100
7) Trichlorofluoromethane	3.02	101	208625	19.141	ug/l	99
8) Diethyl Ether	3.41	74	76279	19.163	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	133184	19.758	ug/l	98
10) Methyl Iodide	3.96	142	194069	18.343	ug/l	99
11) Tert butyl alcohol	4.78	59	39777	96.066	ug/l	99
12) 1,1-Dichloroethene	3.74	96	124865	19.334	ug/l	99
13) Acrolein	3.61	56	31291	138.801	ug/l	97
14) Allyl chloride	4.33	41	195917	19.053	ug/l	97
15) Acrylonitrile	4.99	53	227334	101.701	ug/l	98
16) Acetone	3.82	43	180469	100.563	ug/l	100
17) Carbon Disulfide	4.06	76	359640	17.884	ug/l	99
18) Methyl Acetate	4.32	43	108500	20.415	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	322366	19.690	ug/l	99
20) Methylene Chloride	4.55	84	141301	18.768	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	131230	18.835	ug/l	97
22) Diisopropyl ether	5.95	45	367912	19.310	ug/l	95
23) Vinyl Acetate	5.90	43	1279398	97.066	ug/l	99
24) 1,1-Dichloroethane	5.85	63	244162	19.213	ug/l	99
25) 2-Butanone	6.83	43	250914	98.034	ug/l	98
26) 2,2-Dichloropropane	6.82	77	184353	19.003	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	149449	19.290	ug/l	97
28) Bromochloromethane	7.19	49	106508	19.313	ug/l	98
29) Tetrahydrofuran	7.21	42	163190	99.294	ug/l	98
30) Chloroform	7.37	83	236955	18.809	ug/l	96
31) Cyclohexane	7.65	56	220482	18.528	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	201426	19.213	ug/l	99
36) 1,1-Dichloropropene	7.79	75	185594	19.612	ug/l	99
37) Ethyl Acetate	6.93	43	109409	20.701	ug/l	99
38) Carbon Tetrachloride	7.78	117	180267	18.910	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	216088	19.247	ug/l	97
40) Benzene	8.04	78	561316	19.235	ug/l	99
41) Methacrylonitrile	7.18	41	56156	19.011	ug/l #	90
42) 1,2-Dichloroethane	8.12	62	167066	19.281	ug/l	99
43) Isopropyl Acetate	8.16	43	184779	18.103	ug/l	99
44) Trichloroethene	8.83	130	155628	18.732	ug/l	100
45) 1,2-Dichloropropane	9.12	63	146525	19.631	ug/l	99
46) Dibromomethane	9.21	93	85669	19.040	ug/l	98
47) Bromodichloromethane	9.40	83	180707	19.316	ug/l	100
48) Methyl methacrylate	9.20	41	87534	17.966	ug/l	92
49) 1,4-Dioxane	9.20	88	27247	409.954	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	516414	102.960	ug/l	98
52) Toluene	10.16	92	338258	19.531	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	176721	18.865	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	211006	19.008	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	124370	19.928	ug/l	97
56) Ethyl methacrylate	10.43	69	142787	19.340	ug/l	99
57) 1,3-Dichloropropane	10.71	76	208227	19.522	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	405209	93.672	ug/l	99
59) 2-Hexanone	10.75	43	324595	95.329	ug/l	99
60) Dibromochloromethane	10.90	129	138104	19.623	ug/l	99
61) 1,2-Dibromoethane	11.01	107	116021	18.783	ug/l	99
64) Tetrachloroethene	10.63	164	148050	18.665	ug/l	99
65) Chlorobenzene	11.44	112	372376	18.946	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	133011	19.378	ug/l	99
67) Ethyl Benzene	11.51	91	624004	19.327	ug/l	99
68) m/p-Xylenes	11.62	106	488322	39.629	ug/l	99
69) o-Xylene	11.95	106	237268	19.931	ug/l	98
70) Styrene	11.96	104	380281	19.708	ug/l	100
71) Bromoform	12.13	173	93511	19.871	ug/l #	99
73) Isopropylbenzene	12.25	105	616323	19.737	ug/l	100
74) N-amyl acetate	12.07	43	145817	19.419	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	143289	19.173	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	117916m	20.667	ug/l	
77) Bromobenzene	12.53	156	164521	19.549	ug/l	97
78) n-propylbenzene	12.59	91	721403	19.984	ug/l	100
79) 2-Chlorotoluene	12.67	91	422027	19.706	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	533884	20.618	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36961	18.216	ug/l	97
82) 4-Chlorotoluene	12.77	91	432118	19.663	ug/l	100
83) tert-Butylbenzene	12.99	119	470927	20.577	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	543279	20.593	ug/l	100
85) sec-Butylbenzene	13.17	105	644823	20.705	ug/l	99
86) p-Isopropyltoluene	13.29	119	560687	20.585	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	288809	19.090	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	286715	19.159	ug/l	99
89) n-Butylbenzene	13.62	91	471265	19.989	ug/l	100
90) Hexachloroethane	13.88	117	90521	20.148	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	282292	19.491	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20800	19.529	ug/l	99

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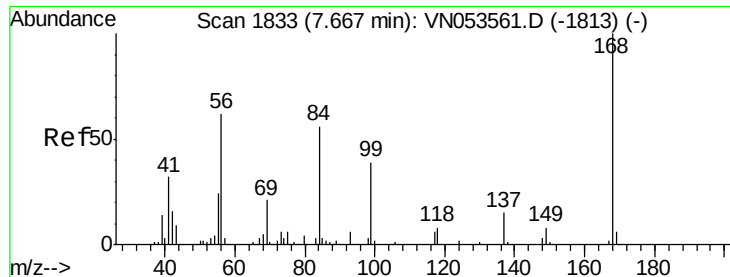
Manual Integrations
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QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	155867	18.764	ug/l	99
94) Hexachlorobutadiene	15.01	225	102844	19.881	ug/l	99
95) Naphthalene	15.13	128	311588	17.150	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	145705	18.904	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

Tot Ion:168 Resp: 697408

Ion Ratio Lower Upper

168 100

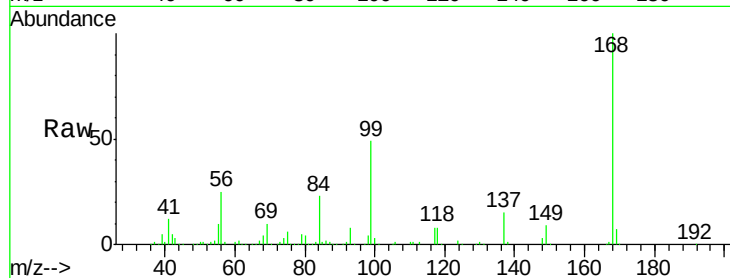
99 48.4 39.1 58.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

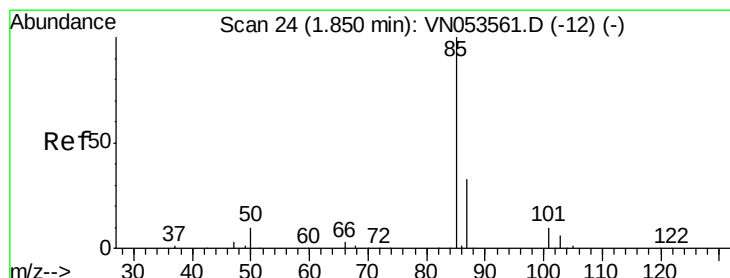
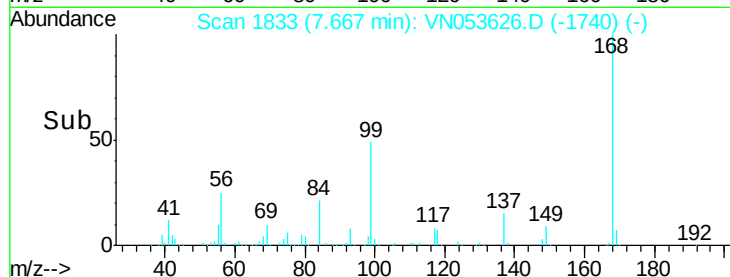
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.160 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053626.D

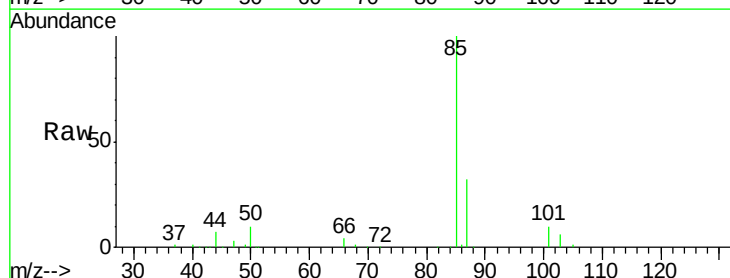
Acq: 6 Feb 2019 11:22

Tgt Ion: 85 Resp: 148993

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

60000

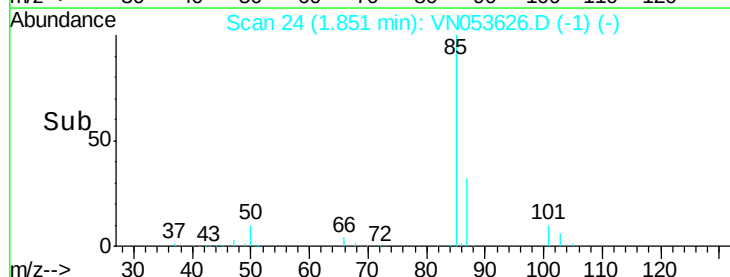
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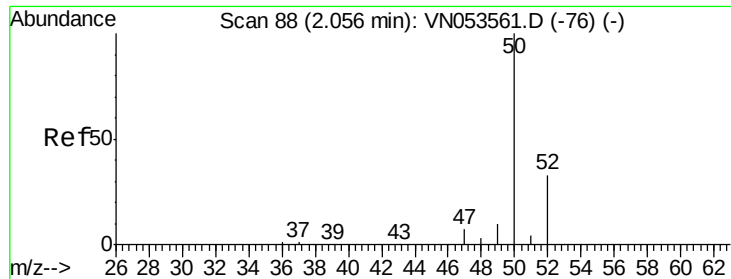
20000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 18.831 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VN0206WBS01

Tot Ion: 50 Resp: 155916

Ion Ratio Lower Upper

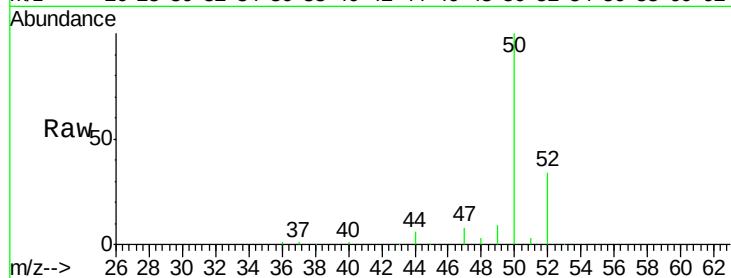
50 100

52 33.8 26.6 40.0

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

100000

80000

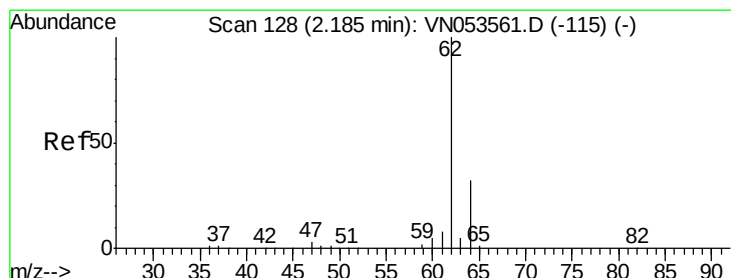
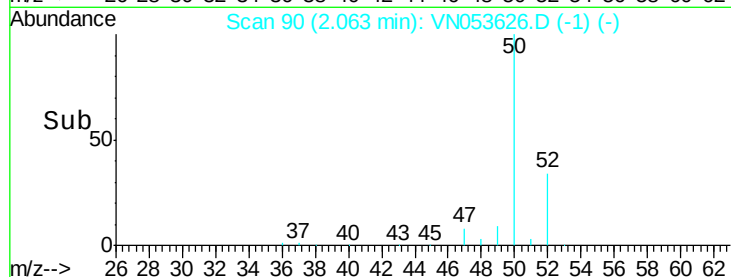
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 19.197 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053626.D

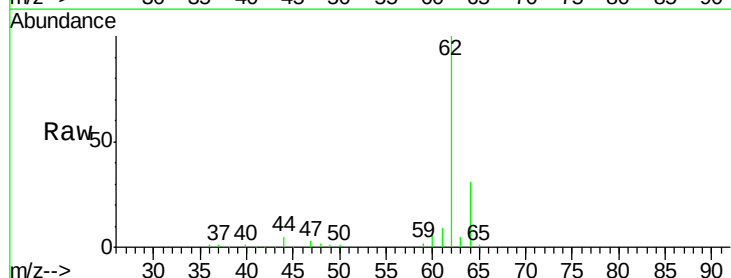
Acq: 6 Feb 2019 11:22

Tgt Ion: 62 Resp: 154293

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

120000

100000

80000

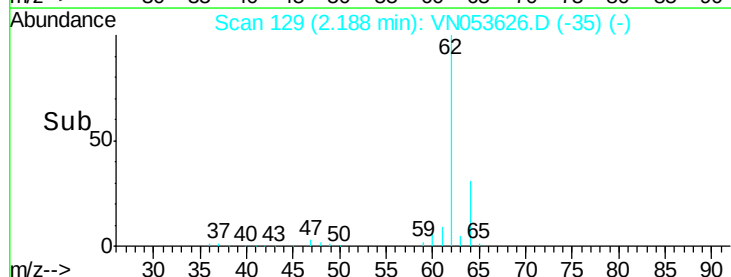
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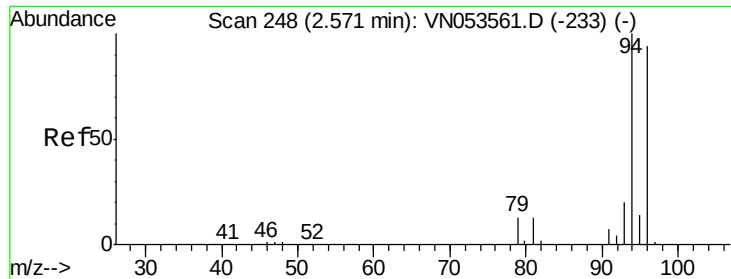
40000

20000

0

Time-->





#5

Bromomethane

Concen: 19.387 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VN0206WBS01

Tot Ion: 94 Resp: 101882

Ion Ratio Lower Upper

94 100

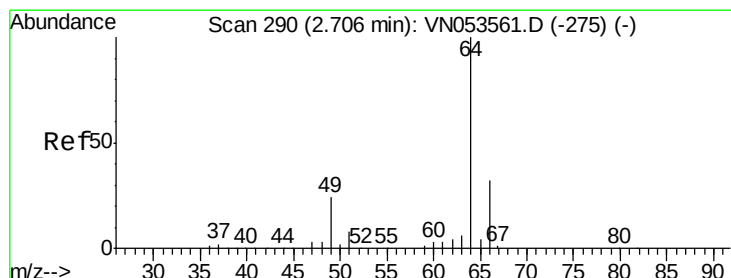
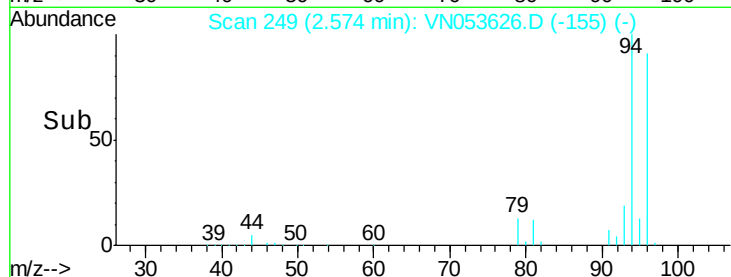
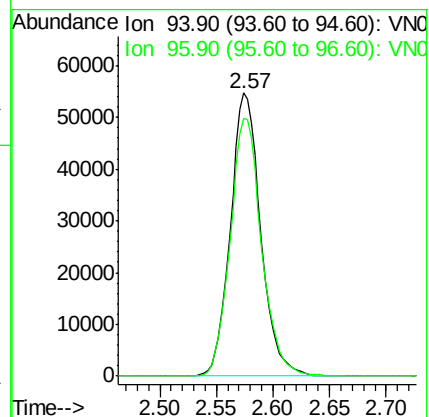
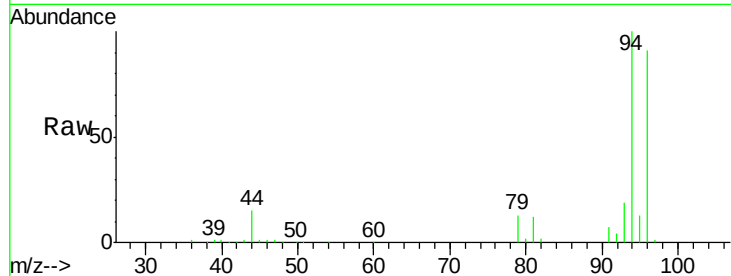
96 90.9 76.8 115.2

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#6

Chloroethane

Concen: 19.165 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053626.D

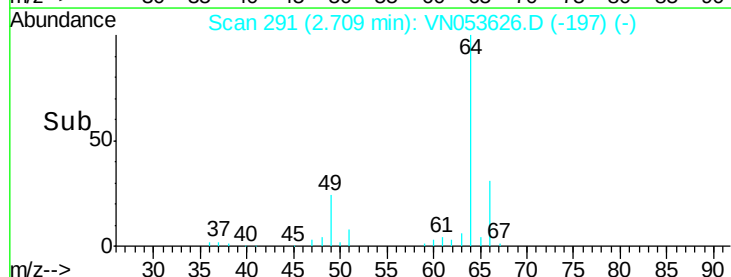
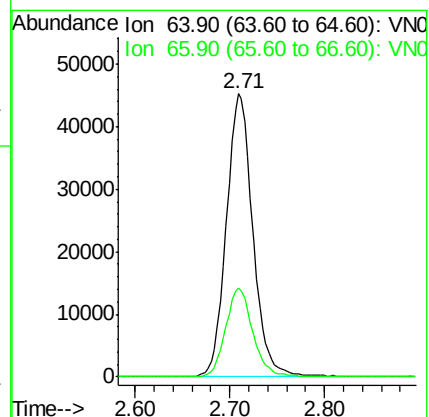
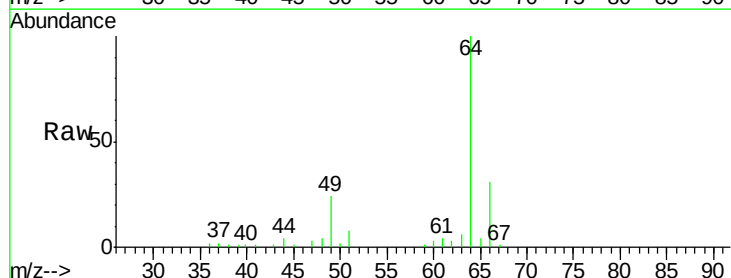
Acq: 6 Feb 2019 11:22

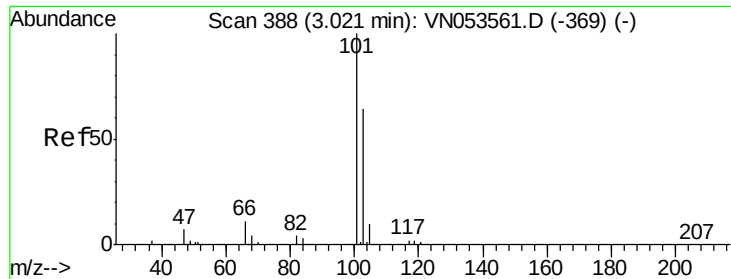
Tgt Ion: 64 Resp: 88026

Ion Ratio Lower Upper

64 100

66 31.3 25.1 37.7





#7

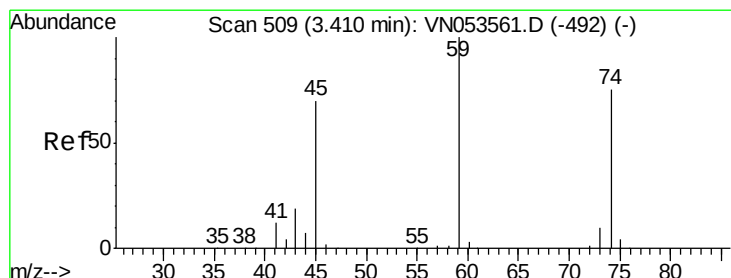
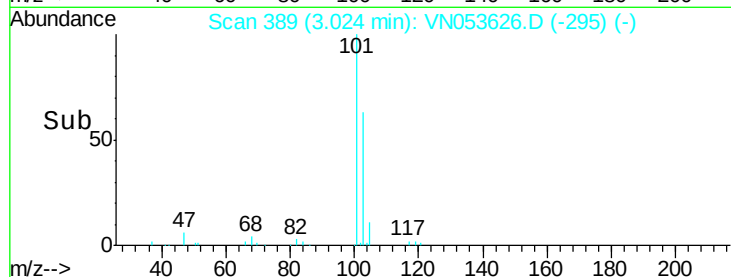
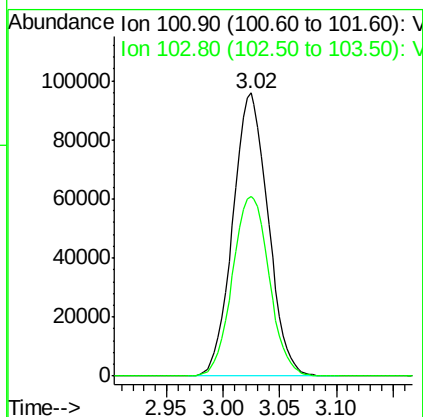
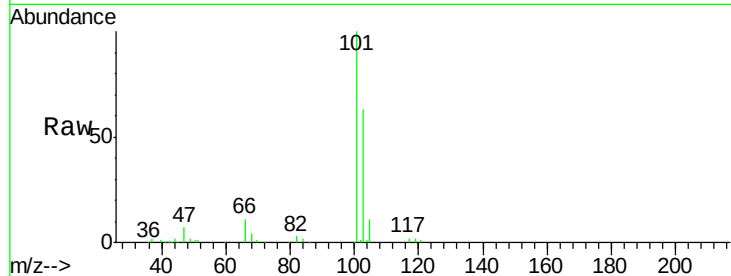
Trichlorofluoromethane
Concen: 19.141 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Instrument :
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ClientSampled :
VN0206WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.6	77.4

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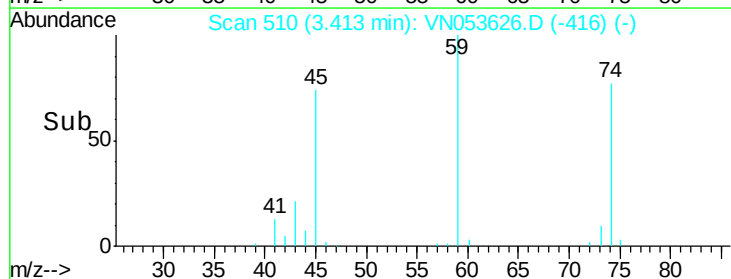
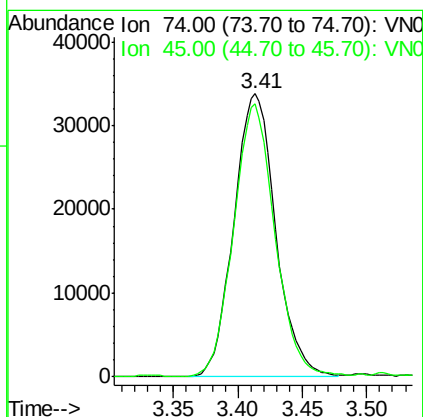
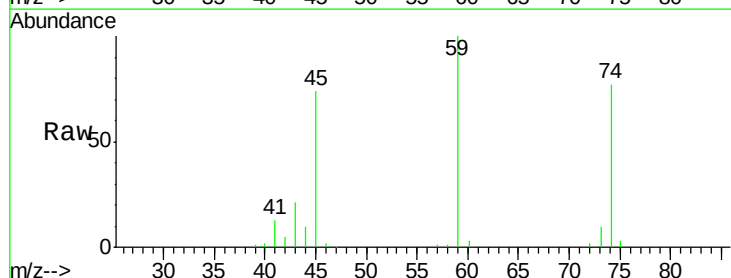
MMDadoda
2/7/2019 11:04:16 AM

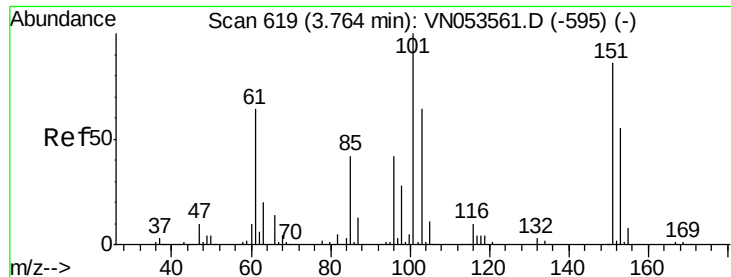


#8

Diethyl Ether
Concen: 19.163 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.5	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.758 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

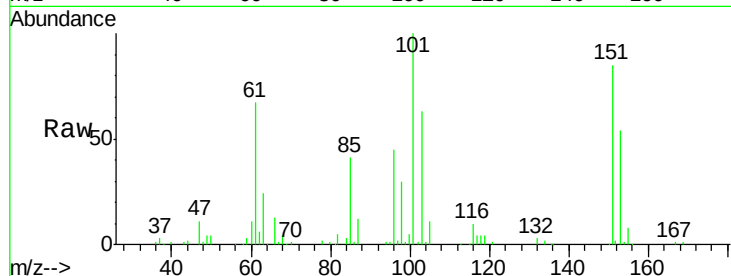
ClientSampleId :

VN0206WBS01

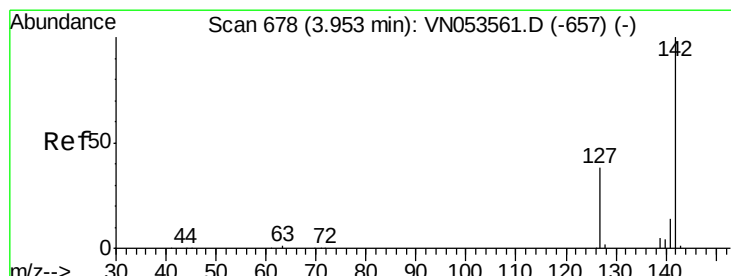
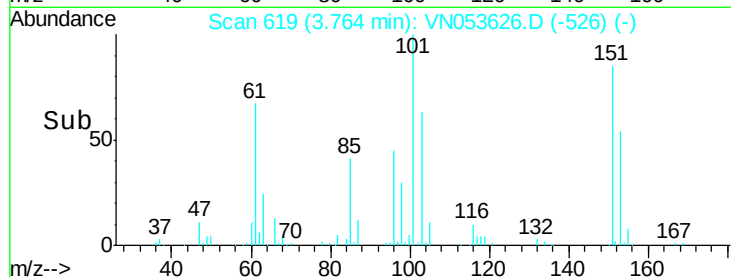
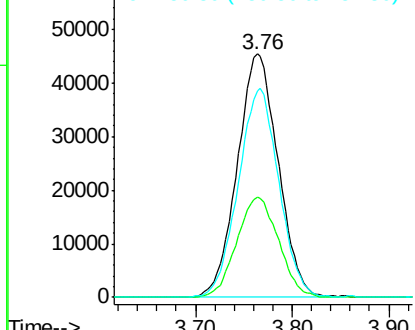
Tot Ion:	101	Resp:	133184
Ion Ratio	Lower	Upper	
101	100		
85	42.0	32.8	49.2
151	85.5	66.9	100.3

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



#10

Methyl Iodide

Concen: 18.343 ug/l

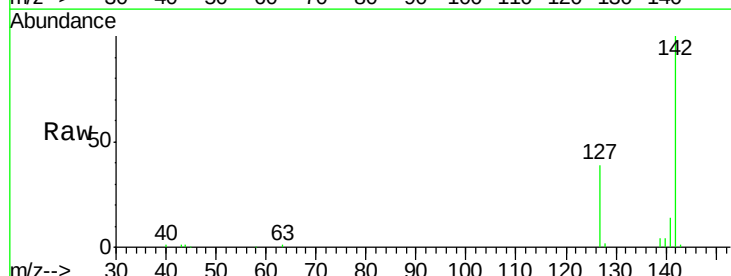
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

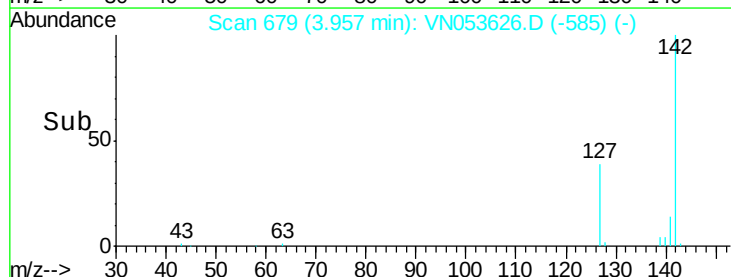
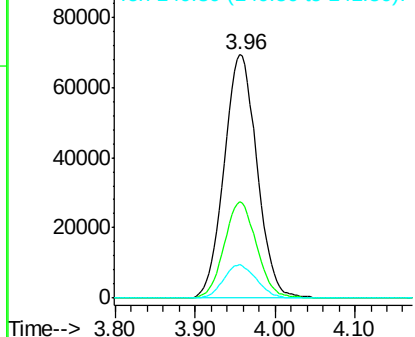
Lab File: VN053626.D

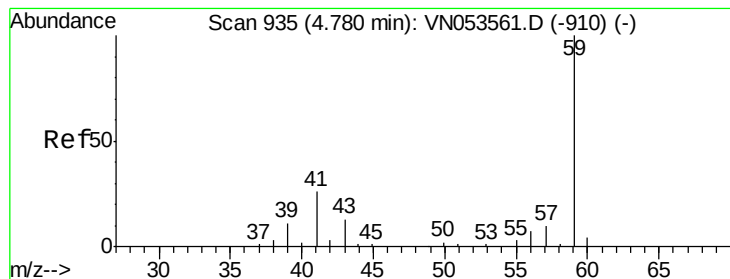
Acq: 6 Feb 2019 11:22

Tgt Ion:	142	Resp:	194069
Ion Ratio	Lower	Upper	
142	100		
127	39.0	31.0	46.4
141	13.6	11.1	16.7



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





#11

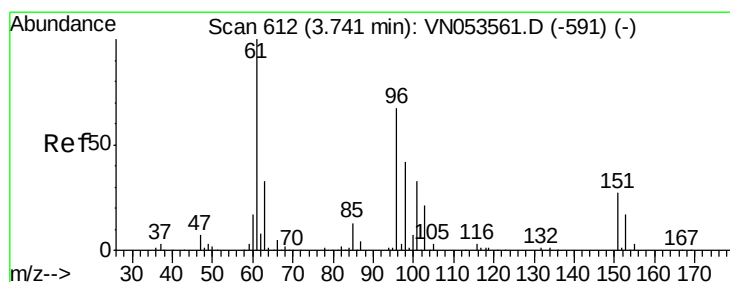
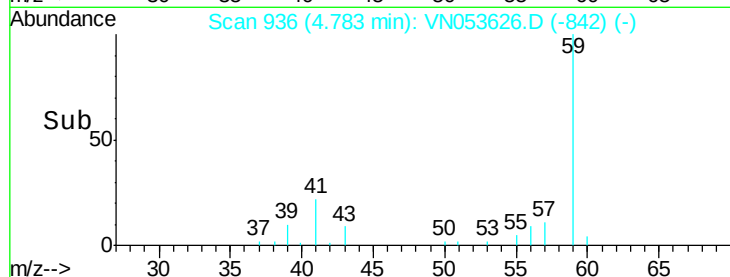
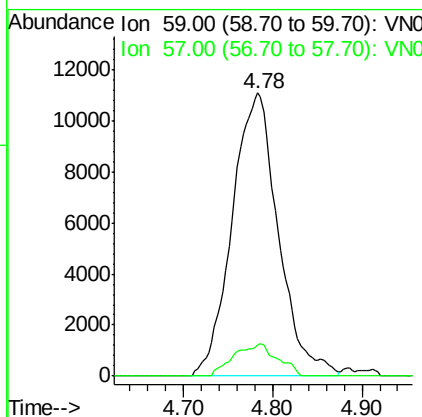
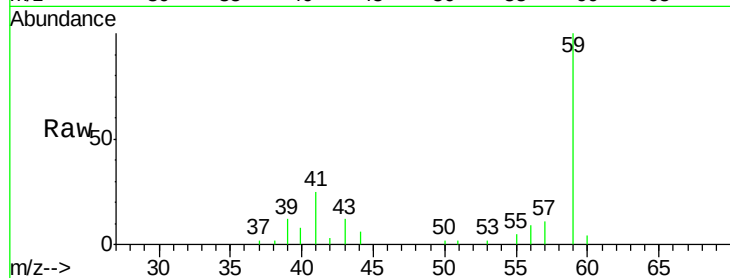
Tert butyl alcohol
 Concen: 96.066 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0206WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.2	12.4

Manual Integrations
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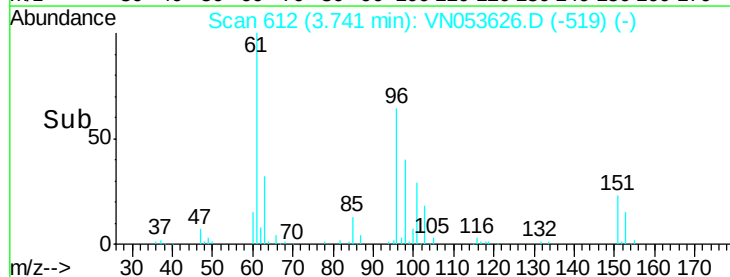
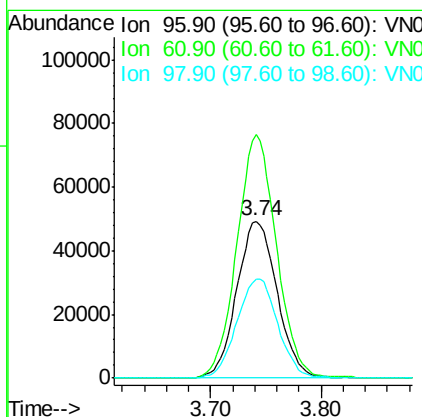
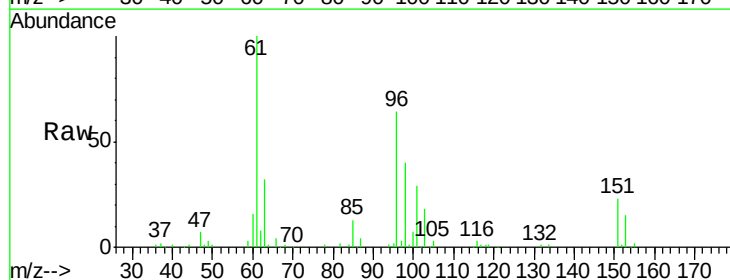
MMDadoda
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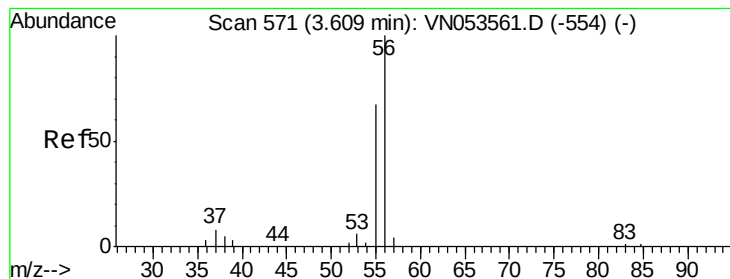


#12

1,1-Dichloroethene
 Concen: 19.334 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.5	122.9	184.3
98	62.8	49.4	74.0





#13

Acrolein

Concen: 138.801 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VN0206WBS01

Tot Ion: 56 Resp: 31291

Ion Ratio Lower Upper

56 100

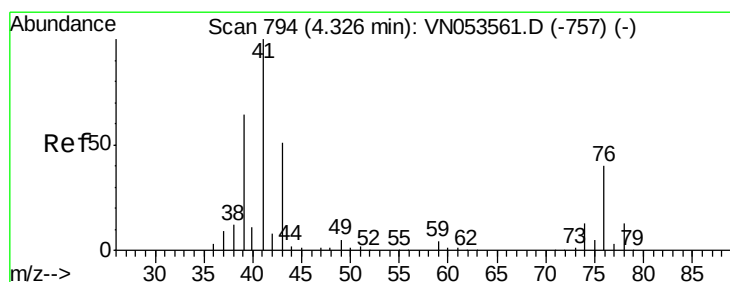
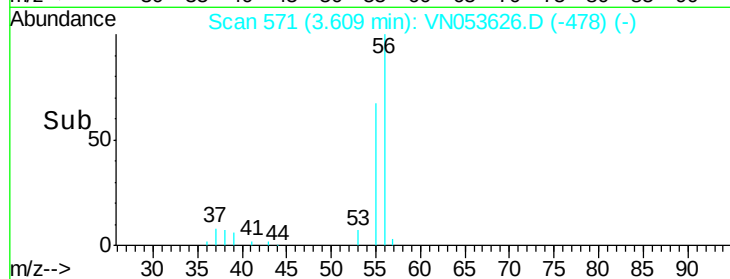
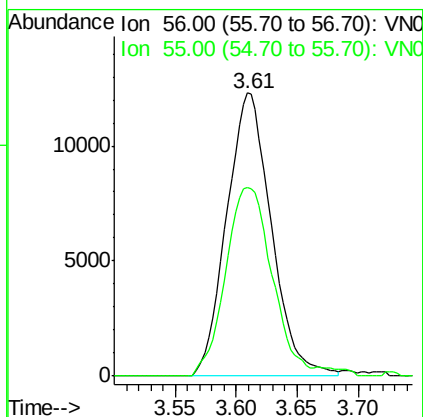
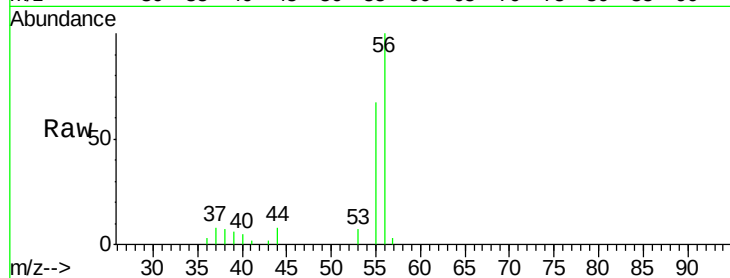
55 69.0 57.4 86.0

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#14

Allyl chloride

Concen: 19.053 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

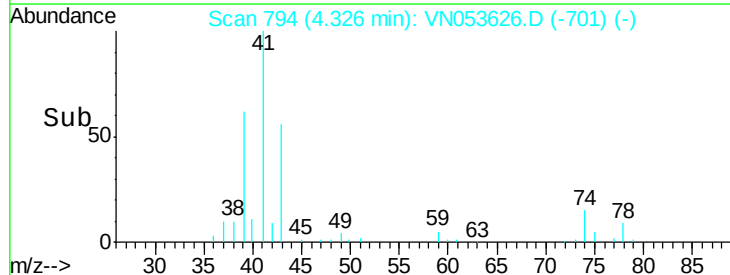
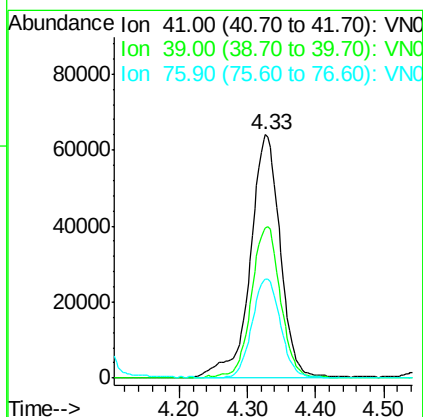
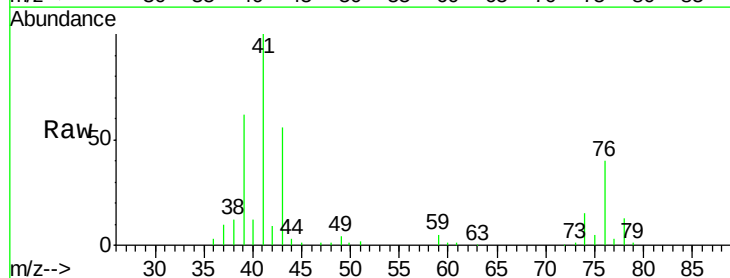
Tgt Ion: 41 Resp: 195917

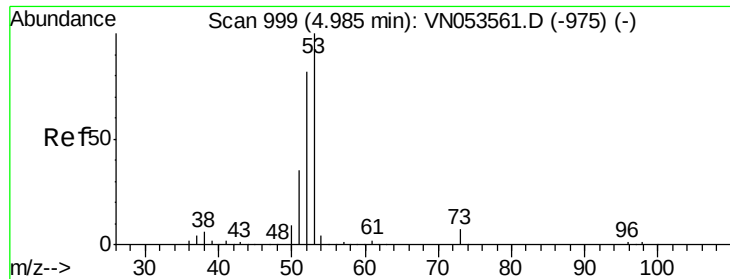
Ion Ratio Lower Upper

41 100

39 59.0 48.9 73.3

76 38.8 29.4 44.2





#15

Acrylonitrile

Concen: 101.701 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

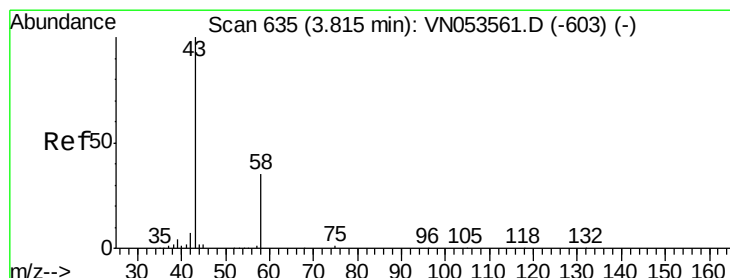
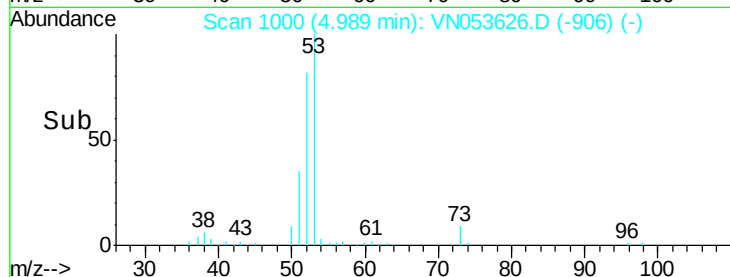
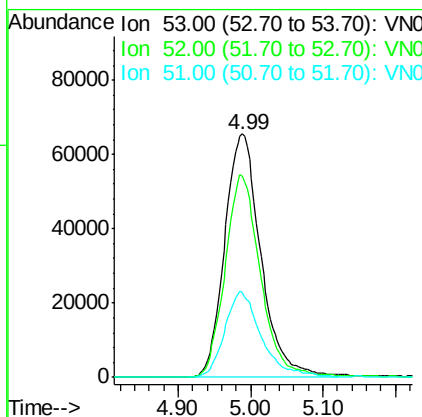
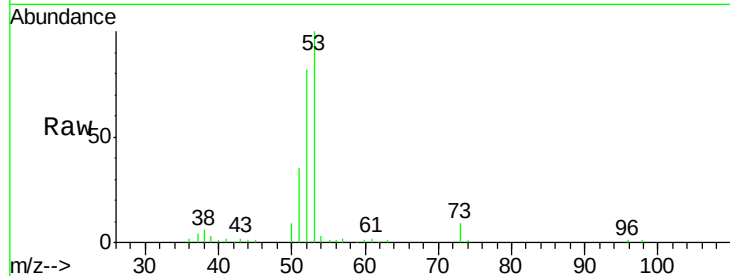
ClientSampled :

VN0206WBS01

Tot Ion:	53	Resp:	227334
Ion	Ratio	Lower	Upper
53	100		
52	80.8	66.0	99.0
51	35.7	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 100.563 ug/l

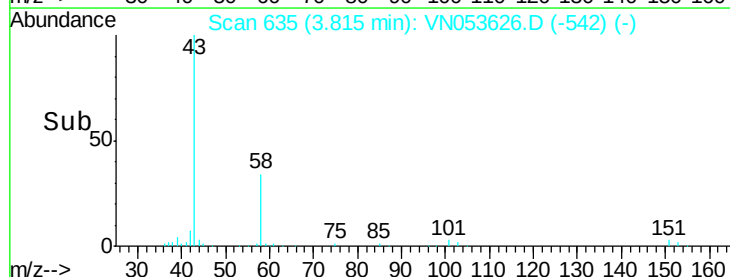
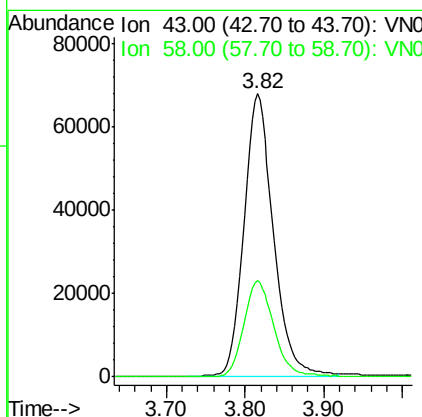
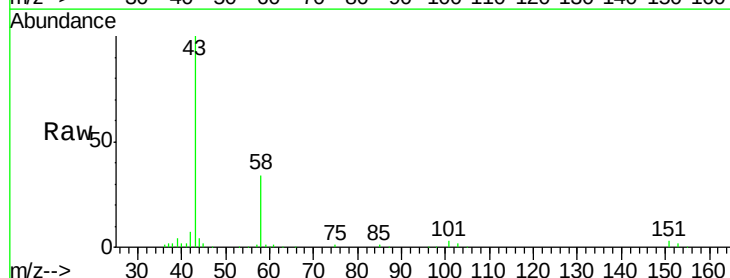
RT: 3.82 min Scan# 635

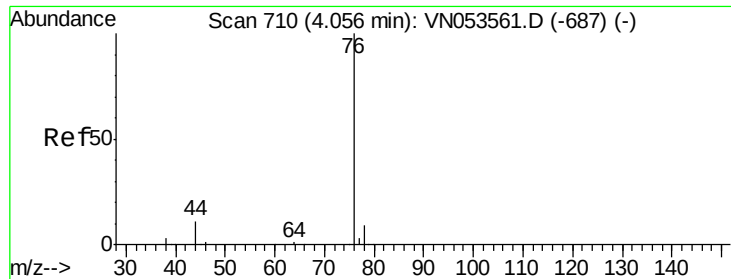
Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Tgt Ion:	43	Resp:	180469
Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.1	40.7





#17

Carbon Disulfide

Concen: 17.884 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VN0206WBS01

Tot Ion: 76 Resp: 359640

Ion Ratio Lower Upper

76 100

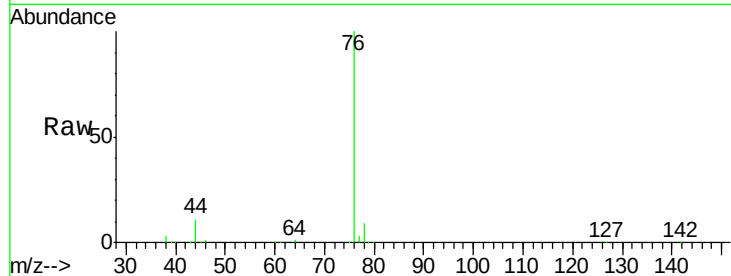
78 8.9 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

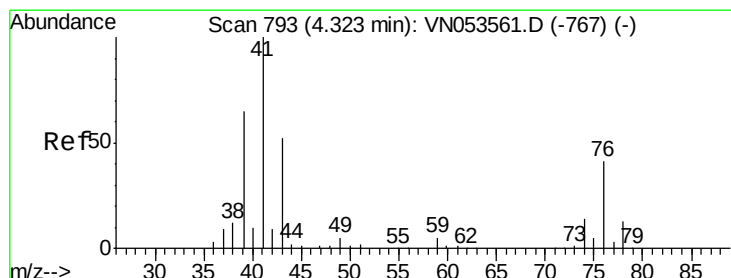
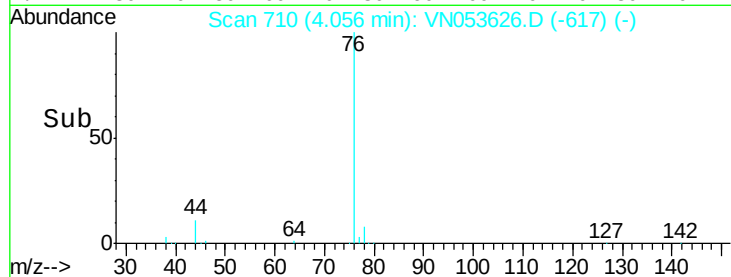
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.415 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053626.D

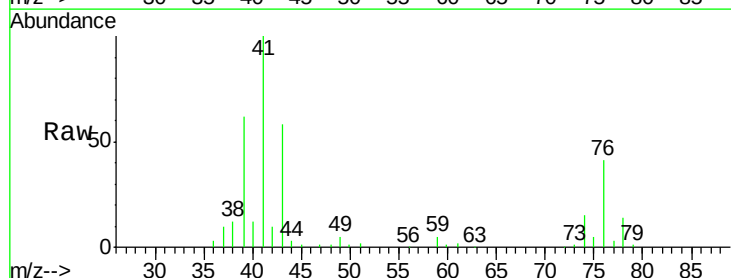
Acq: 6 Feb 2019 11:22

Tgt Ion: 43 Resp: 108500

Ion Ratio Lower Upper

43 100

74 25.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

40000

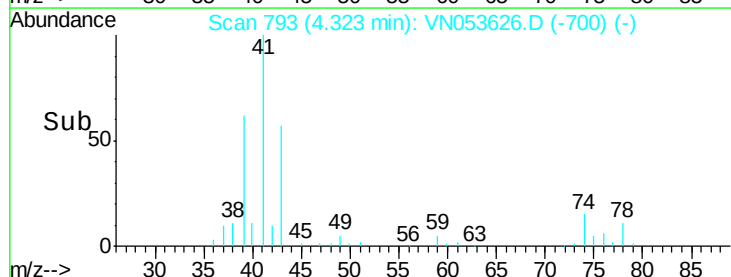
30000

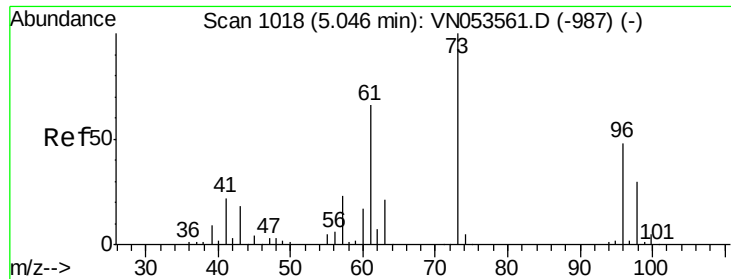
20000

10000

0

Time-->





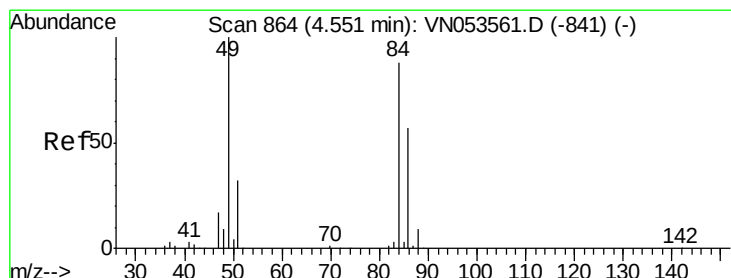
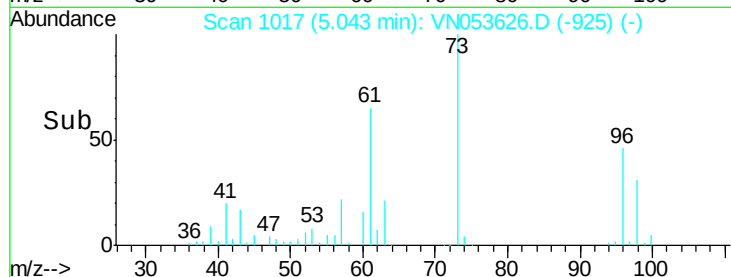
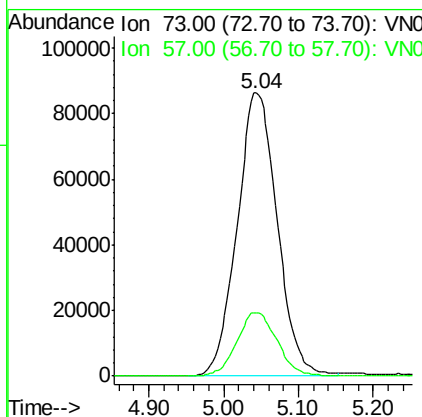
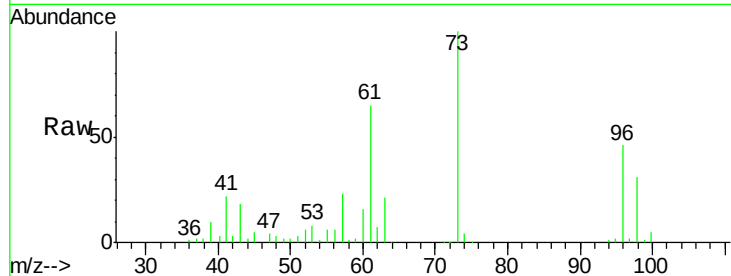
#19
Methyl tert-butyl Ether
Concen: 19.690 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Instrument :
MSVOA_N
ClientSampled :
VN0206WBS01

Tot Ion: 73 Resp: 322366
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5

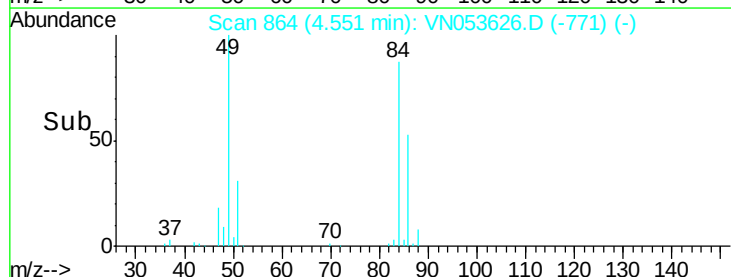
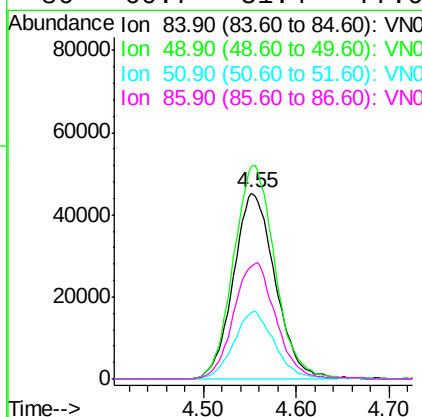
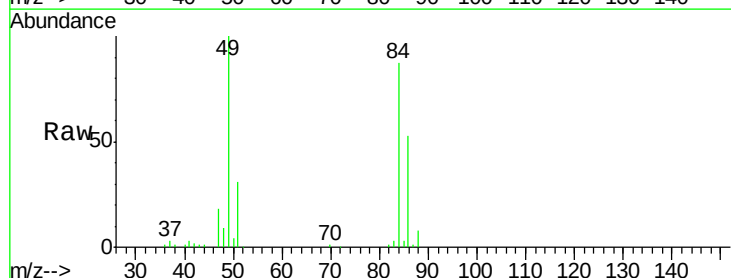
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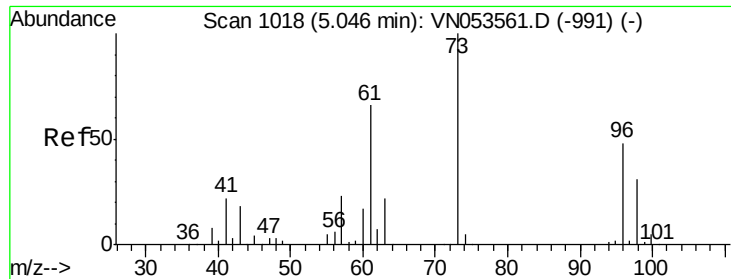
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#20
Methylene Chloride
Concen: 18.768 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion: 84 Resp: 141301
Ion Ratio Lower Upper
84 100
49 114.5 94.3 141.5
51 35.6 29.4 44.2
86 60.7 51.4 77.0





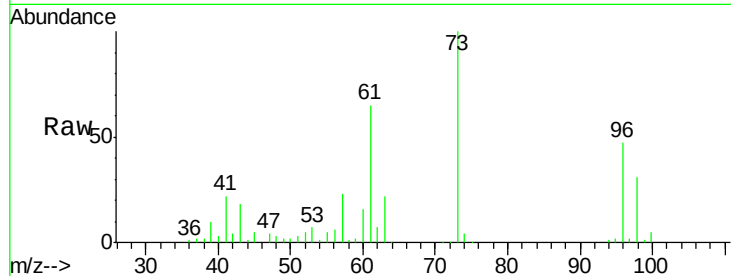
#21
trans-1,2-Dichloroethene
Concen: 18.835 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Instrument :
MSVOA_N
ClientSampled :
VN0206WBS01

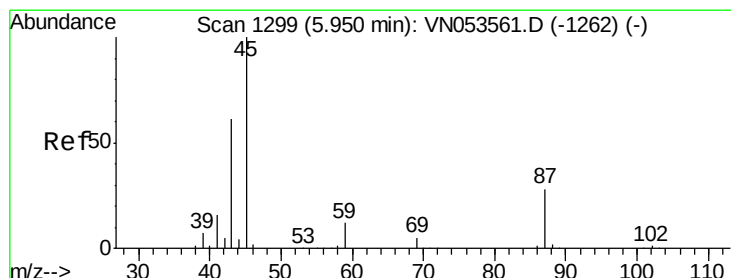
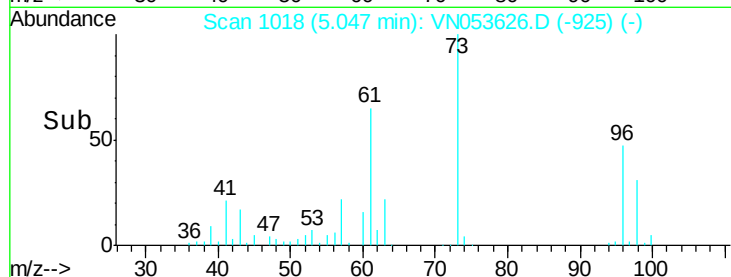
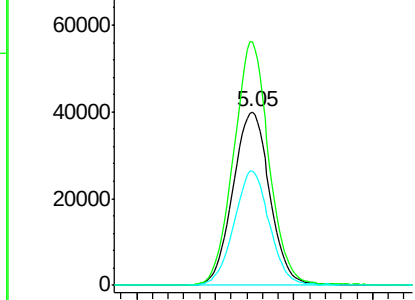
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.1	110.1	165.1
98	66.2	50.0	75.0

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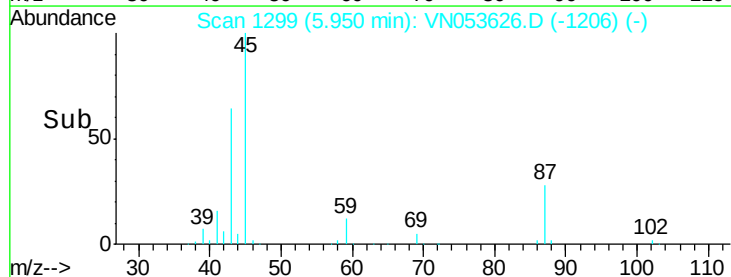
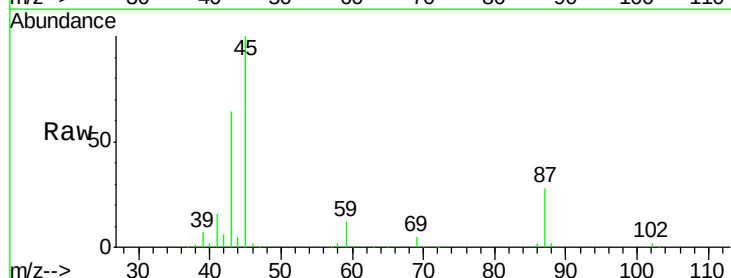
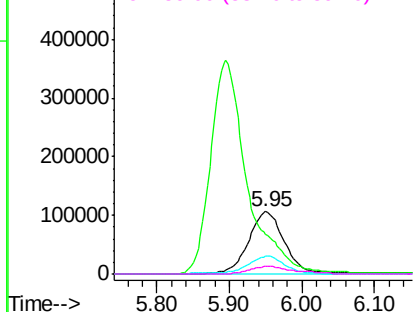
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

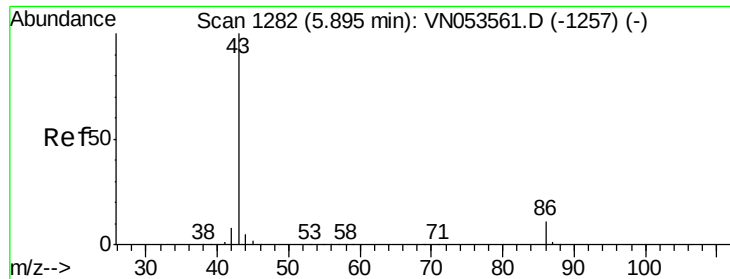


#22
Diisopropyl ether
Concen: 19.310 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.6	44.2	66.4
87	27.3	22.7	34.1
59	11.7	9.4	14.2

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 97.066 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VN0206WBS01

Tot Ion: 43 Resp: 1279398

Ion Ratio Lower Upper

43 100

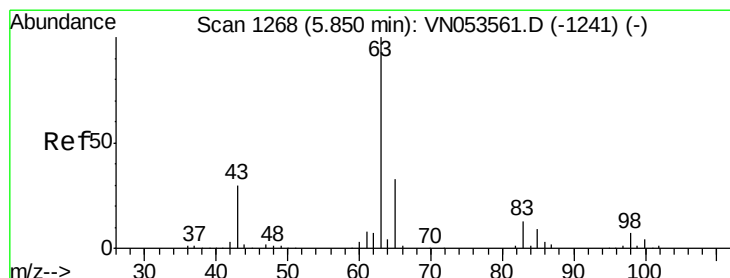
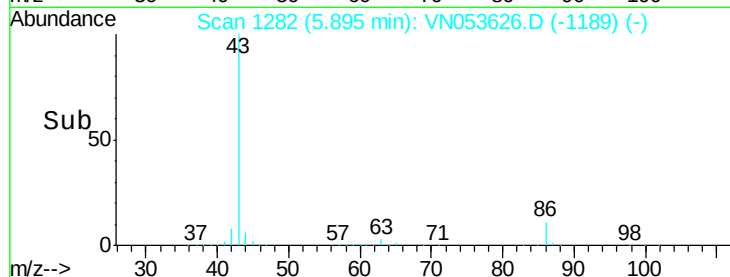
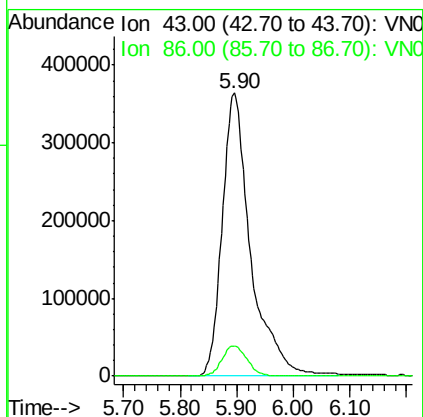
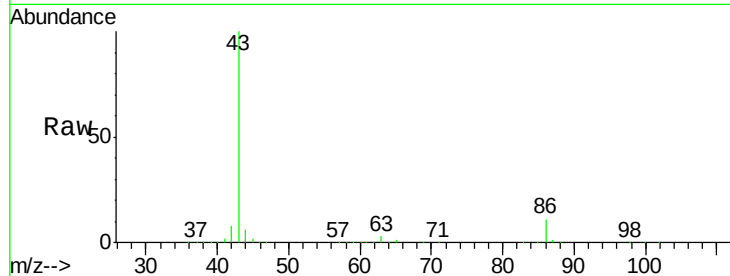
86 10.7 8.4 12.6

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#24

1,1-Dichloroethane

Concen: 19.213 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

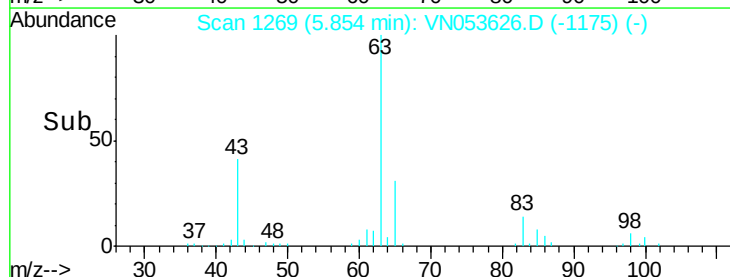
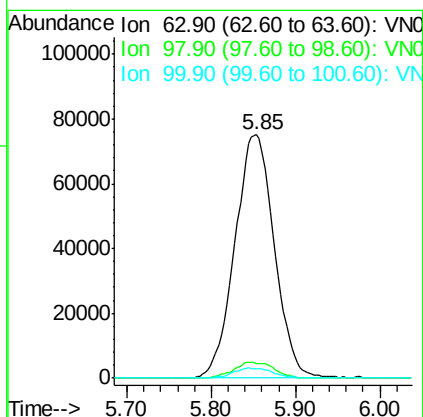
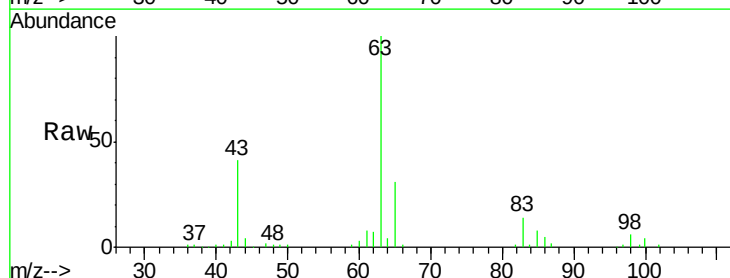
Tgt Ion: 63 Resp: 244162

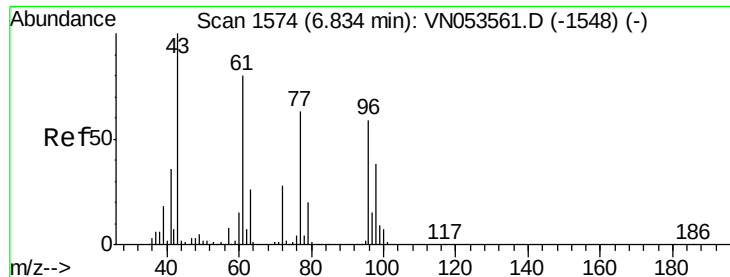
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 3.9 2.1 6.5





#25

2-Butanone

Concen: 98.034 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VN0206WBS01

Tot Ion: 43 Resp: 250914

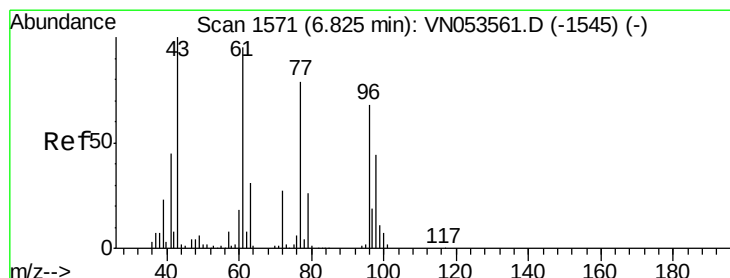
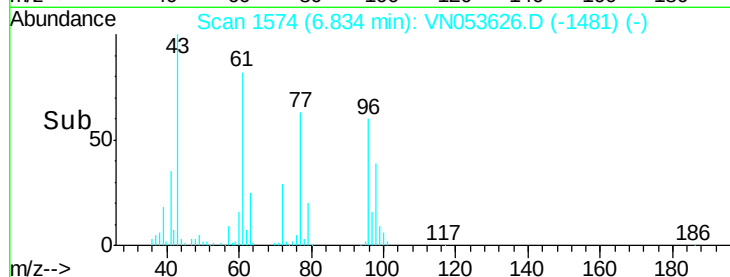
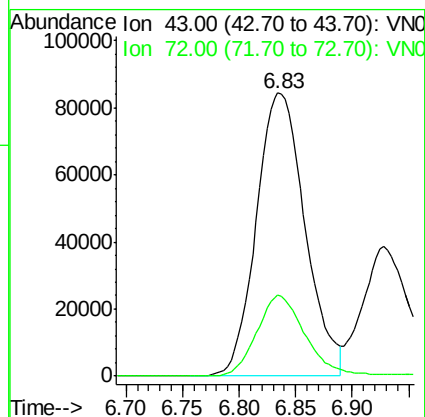
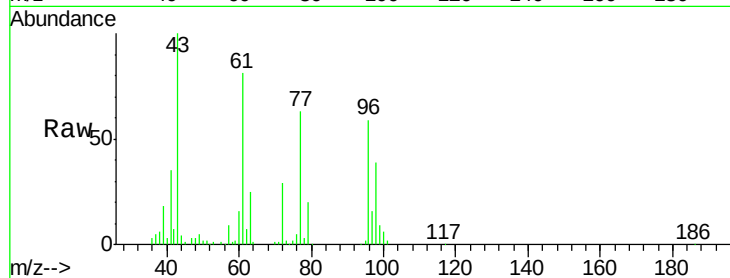
Ion Ratio Lower Upper

43 100

72 28.6 22.0 33.0

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#26

2,2-Dichloropropane

Concen: 19.003 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053626.D

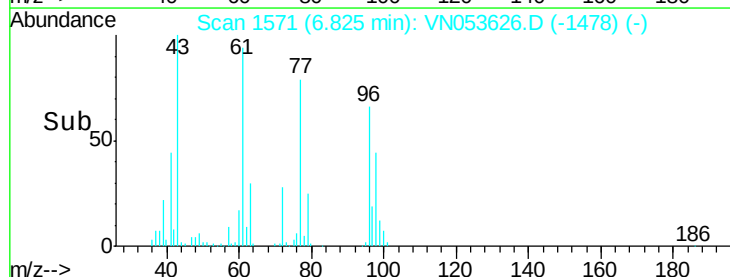
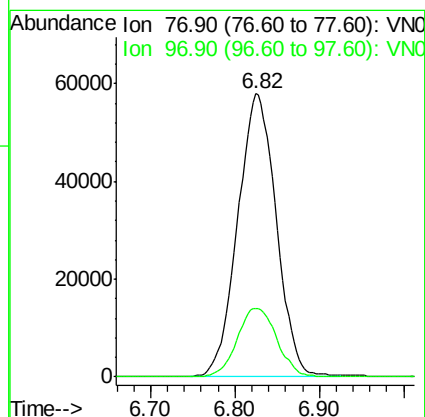
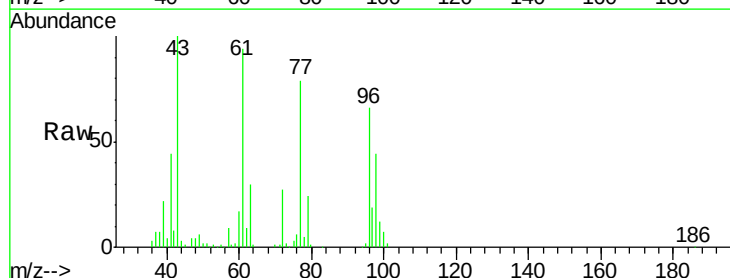
Acq: 6 Feb 2019 11:22

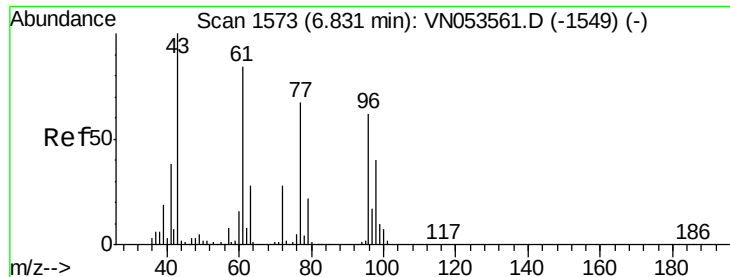
Tgt Ion: 77 Resp: 184353

Ion Ratio Lower Upper

77 100

97 24.8 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.290 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

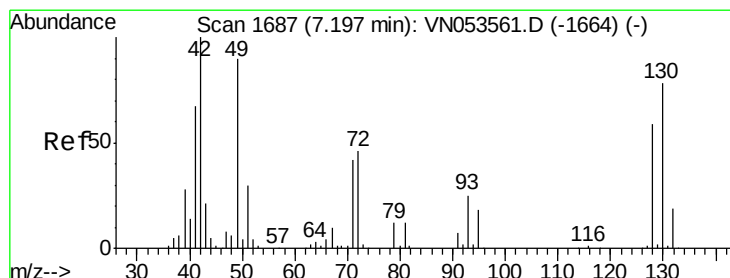
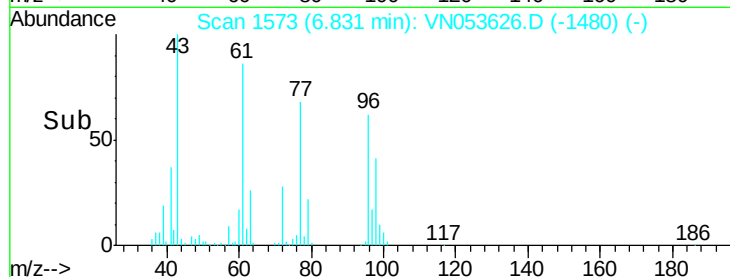
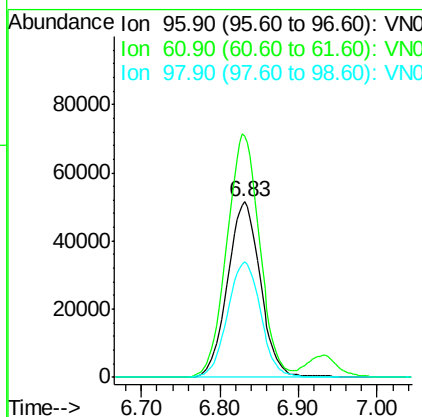
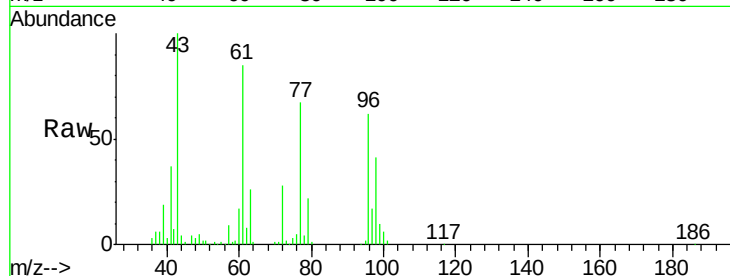
ClientSampleId :

VN0206WBS01

Tot Ion:	96	Resp:	149449
Ion	Ratio	Lower	Upper
96	100		
61	138.4	0.0	283.8
98	66.3	0.0	129.2

Manual Integrations
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2/7/2019 11:04:16 AM



#28

Bromochloromethane

Concen: 19.313 ug/l

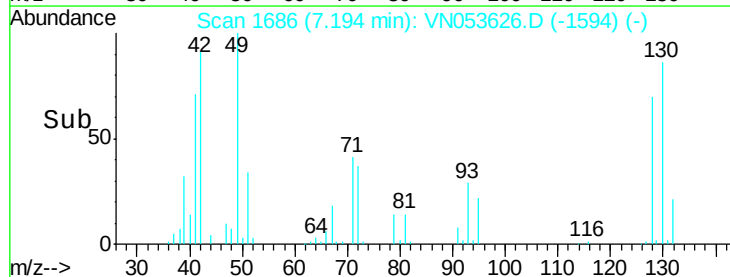
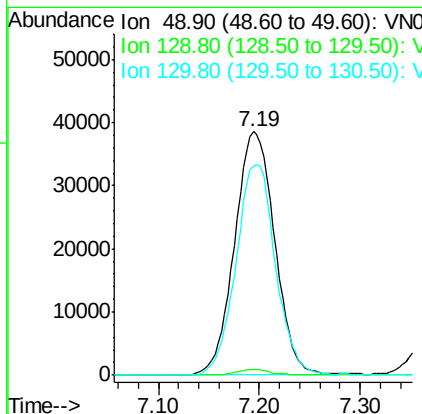
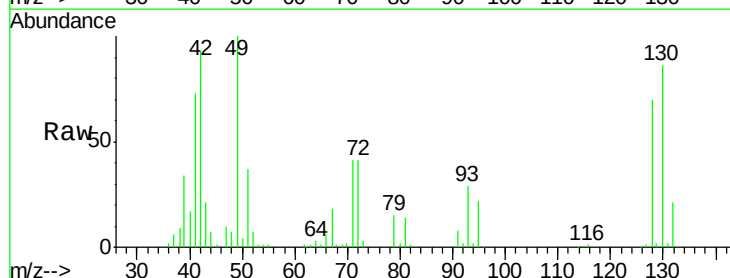
RT: 7.19 min Scan# 1686

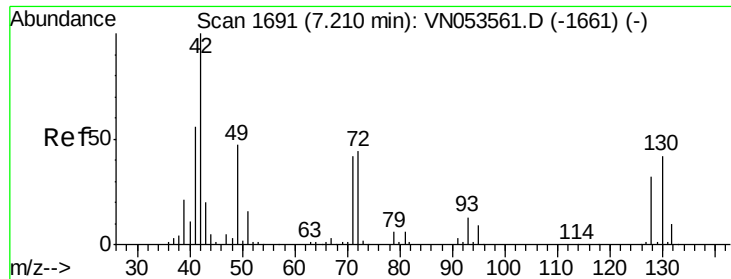
Delta R.T. -0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Tgt Ion:	49	Resp:	106508
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	84.9	66.3	99.5





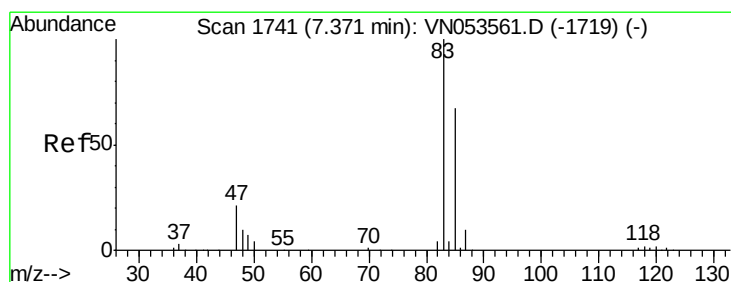
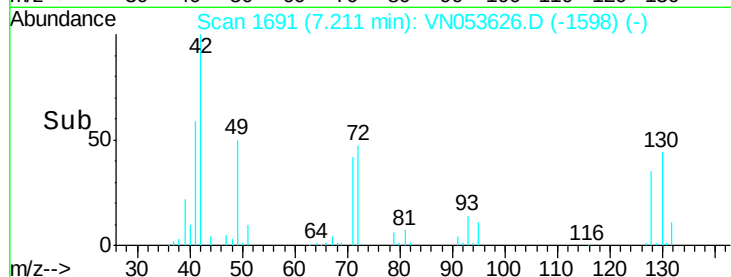
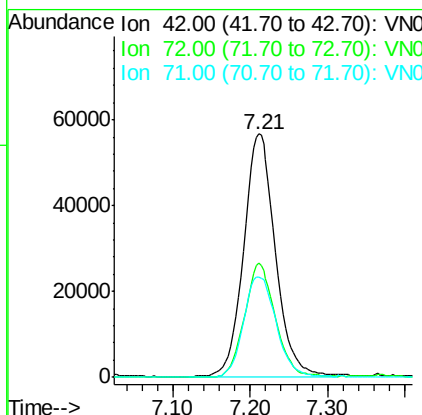
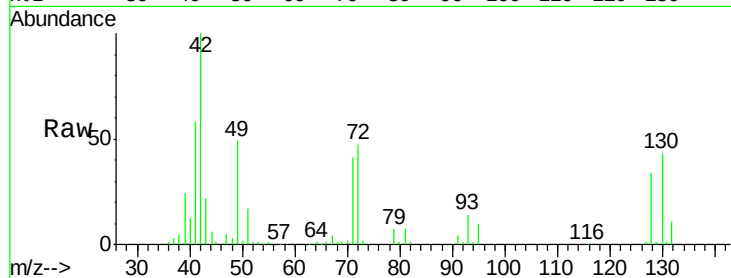
#29
Tetrahydrofuran
Concen: 99.294 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Instrument :
MSVOA_N
ClientSampled :
VN0206WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.2	52.8
71	42.7	33.0	49.4

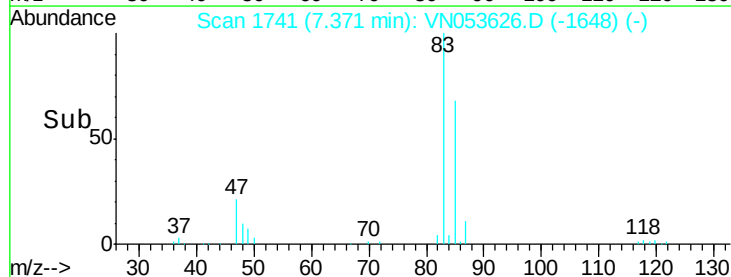
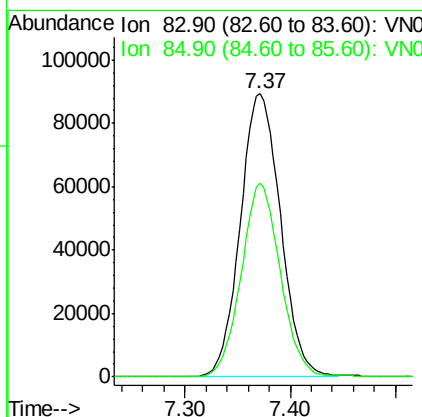
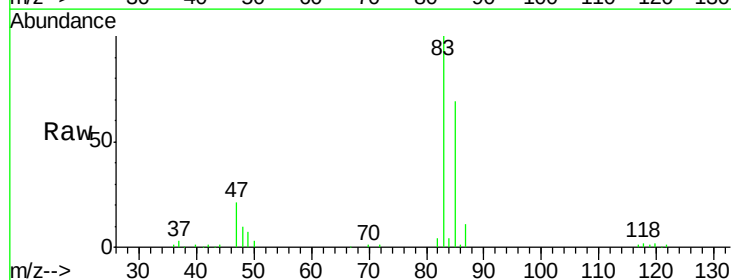
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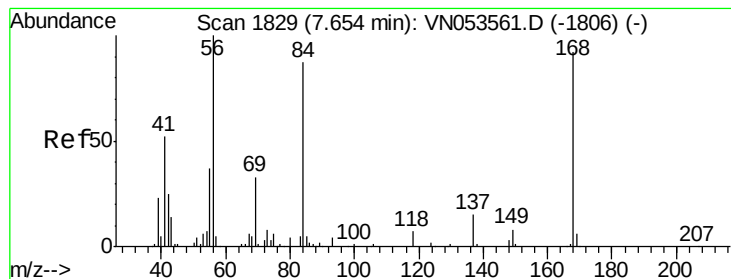
MMDadoda
2/7/2019 11:04:16 AM



#30
Chloroform
Concen: 18.809 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.6	52.2	78.2





#31

Cyclohexane

Concen: 18.528 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

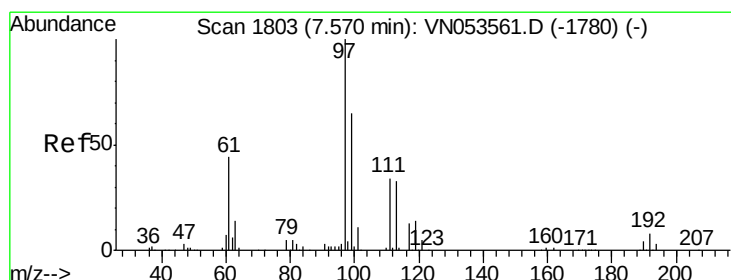
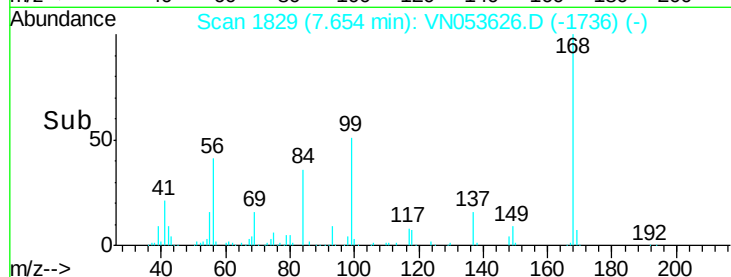
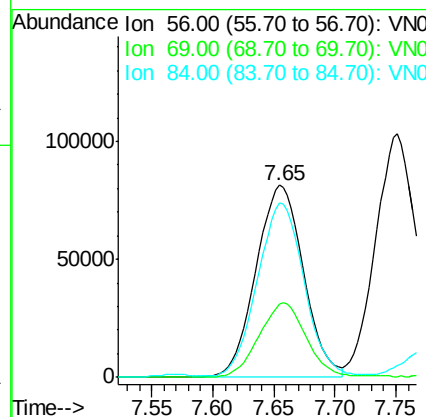
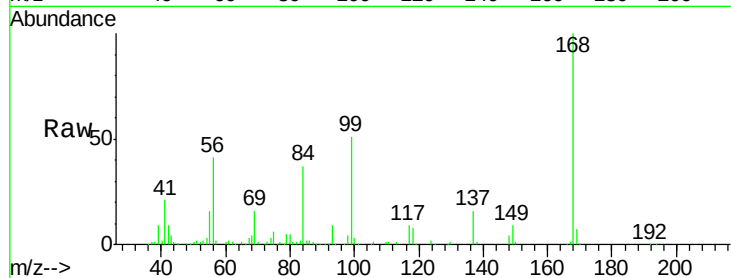
ClientSampled :

VN0206WBS01

Tot Ion:	56	Resp:	220482
Ion Ratio	Lower	Upper	
56	100		
69	38.1	26.4	39.6
84	89.7	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.213 ug/l

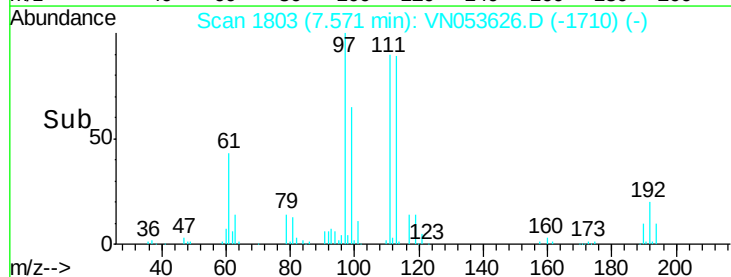
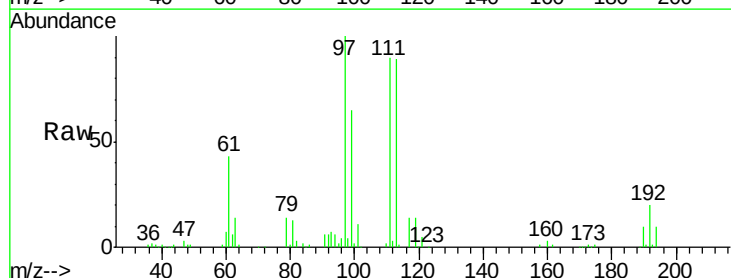
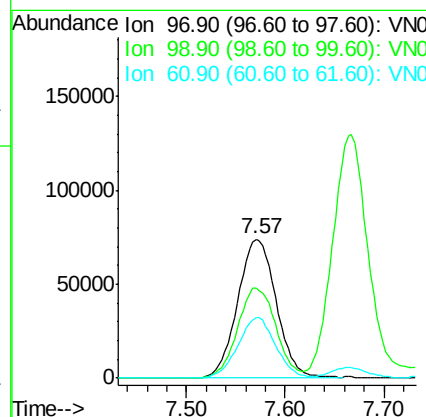
RT: 7.57 min Scan# 1803

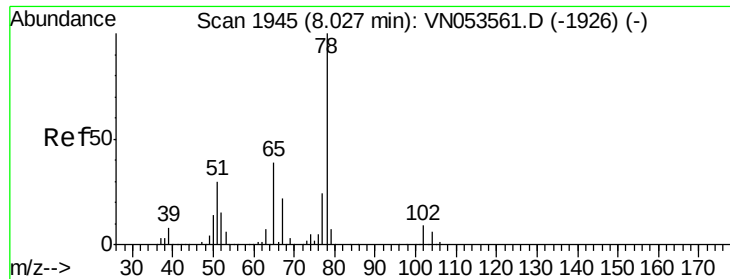
Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Tgt Ion:	97	Resp:	201426
Ion Ratio	Lower	Upper	
97	100		
99	64.6	52.0	78.0
61	42.3	34.4	51.6





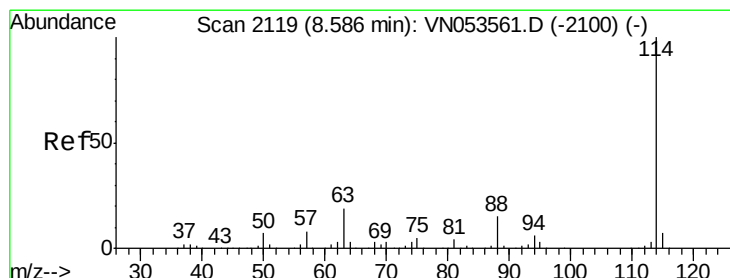
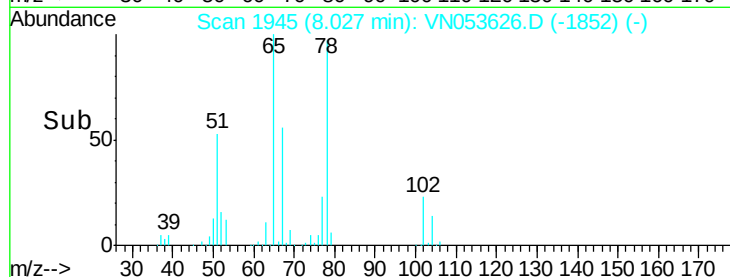
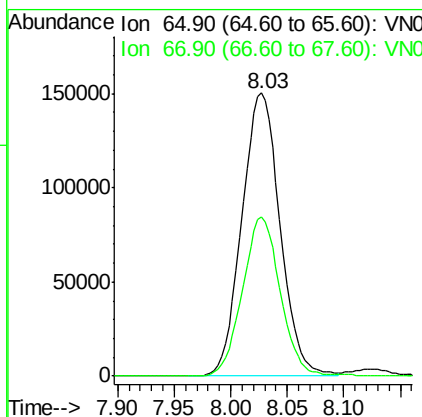
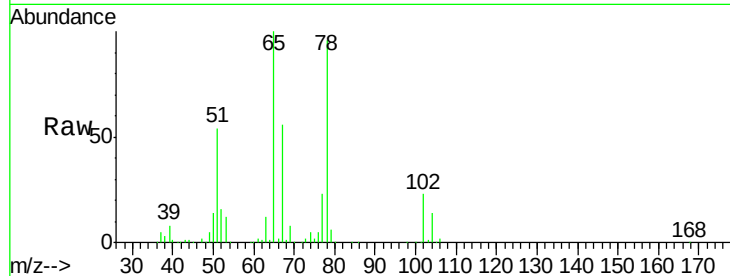
#33
 1,2-Dichloroethane-d4
 Concen: 19.213 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0206WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.8	0.0	111.2	

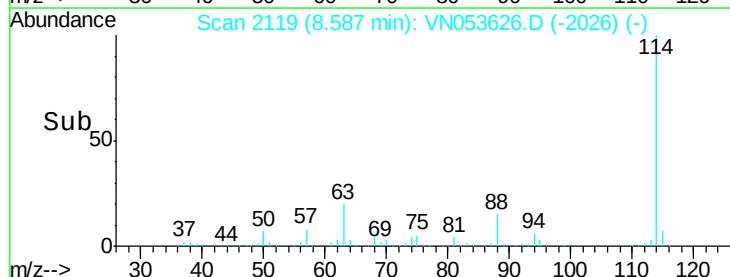
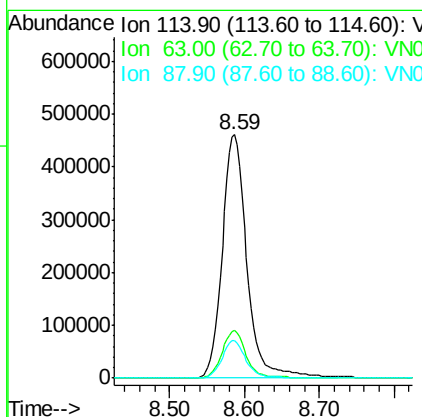
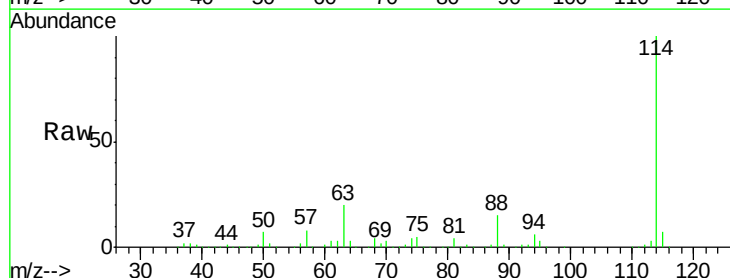
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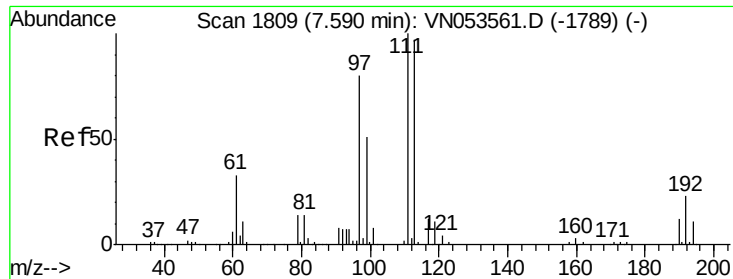
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	38.6	
88	15.4	0.0	30.4	





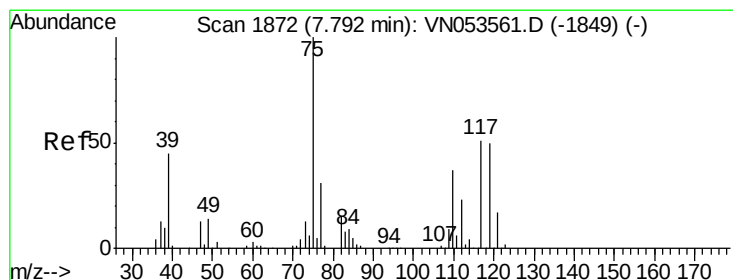
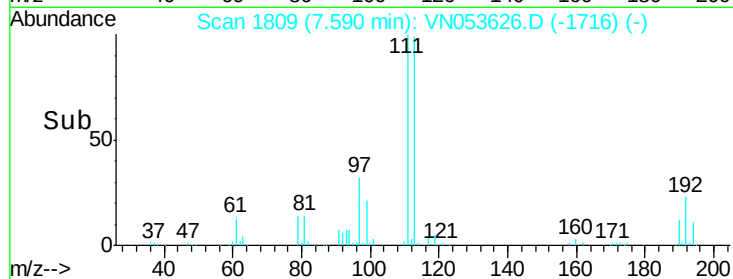
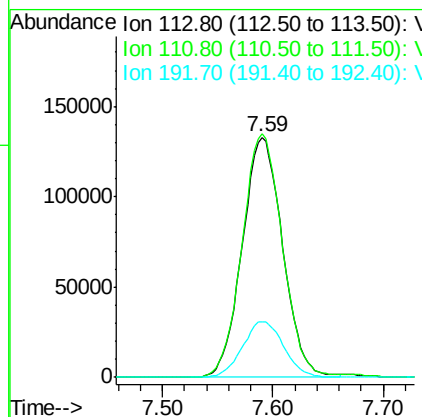
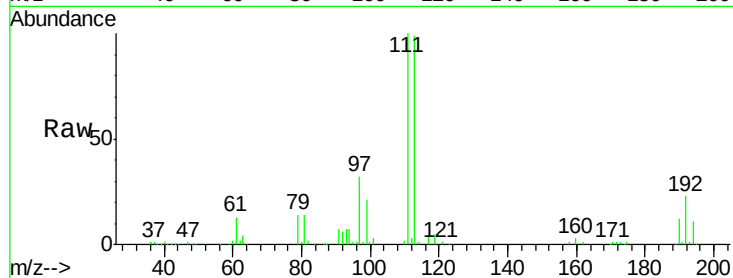
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0206WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	337055		
111	101.5	81.1	121.7	
192	23.7	18.2	27.2	

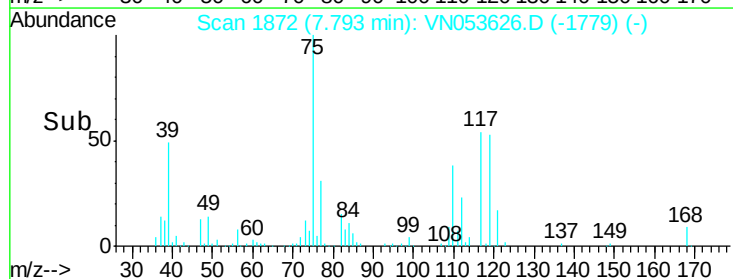
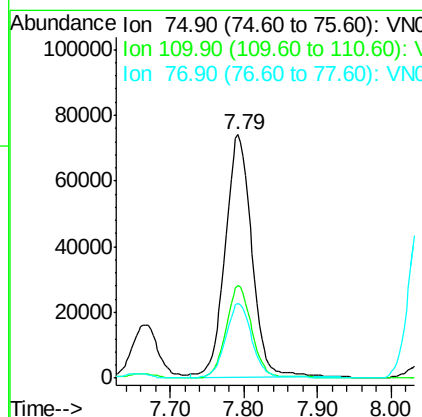
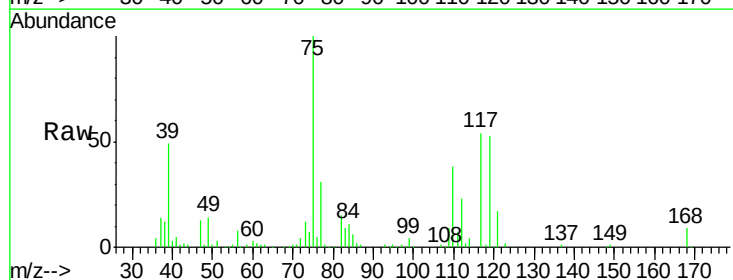
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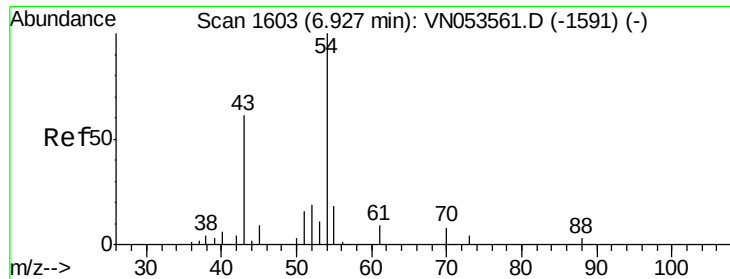
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 2/7/2019 11:04:16 AM



#36
 1,1-Dichloropropene
 Concen: 19.612 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	185594		
110	36.3	18.1	54.3	
77	30.3	25.1	37.7	





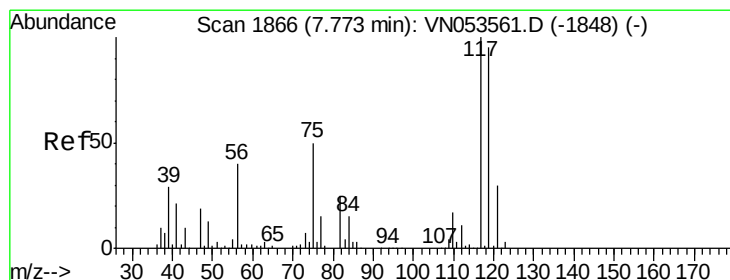
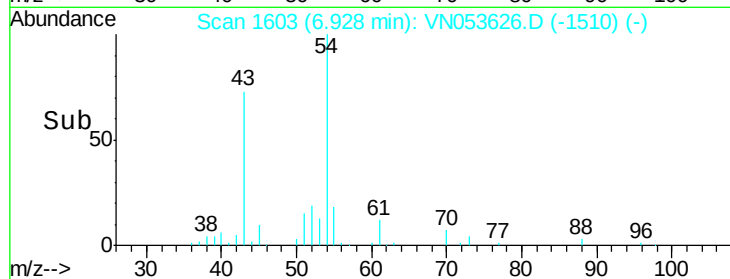
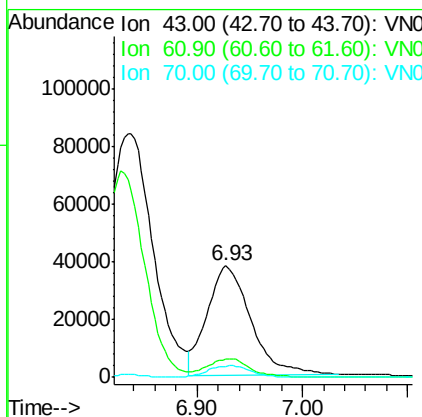
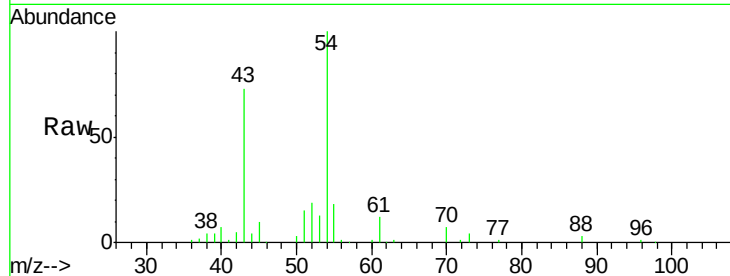
#37
Ethyl Acetate
Concen: 20.701 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Instrument :
MSVOA_N
ClientSampled :
VN0206WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.8	17.6
70	10.5	8.6	12.8

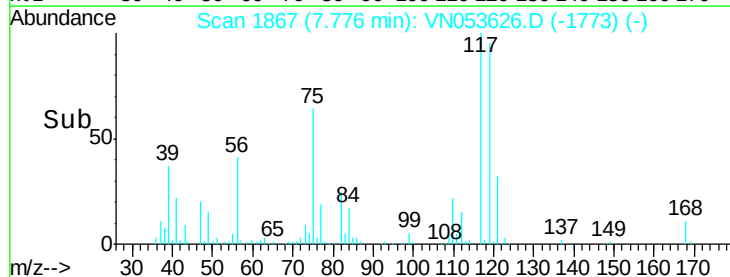
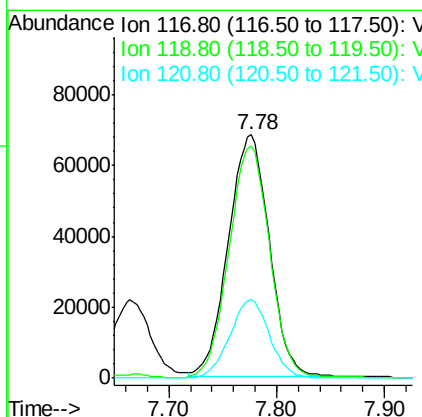
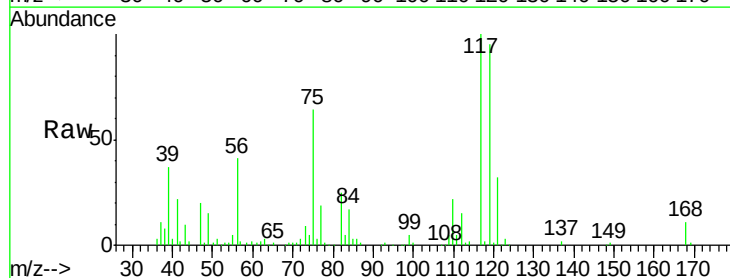
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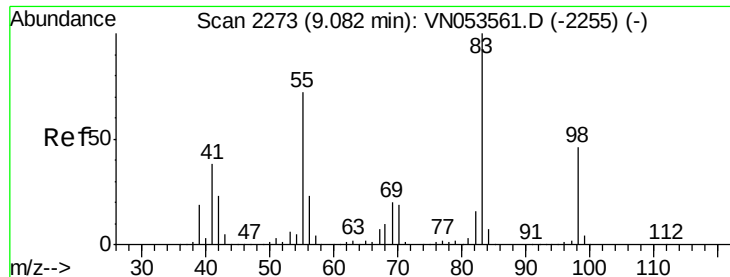
MMDadoda
2/7/2019 11:04:16 AM



#38
Carbon Tetrachloride
Concen: 18.910 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.2	115.8
121	32.4	24.6	37.0





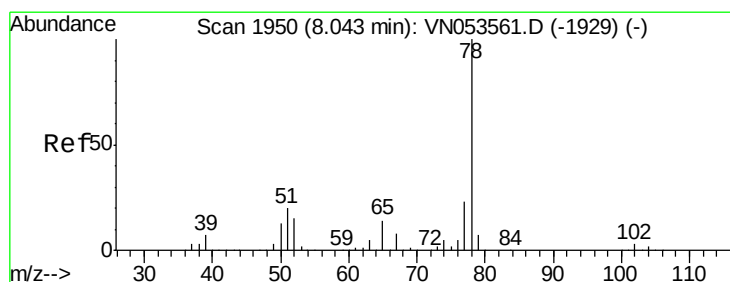
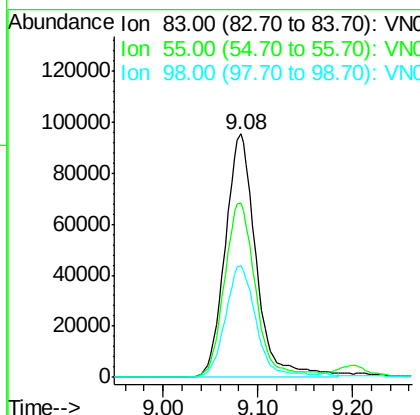
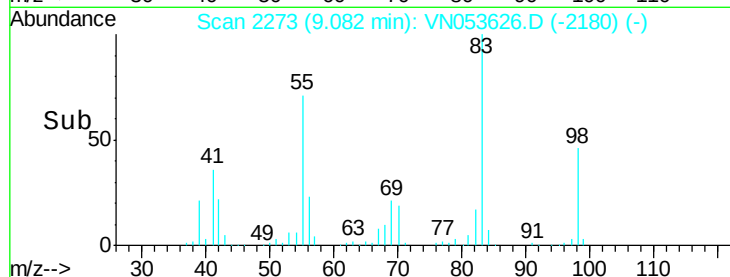
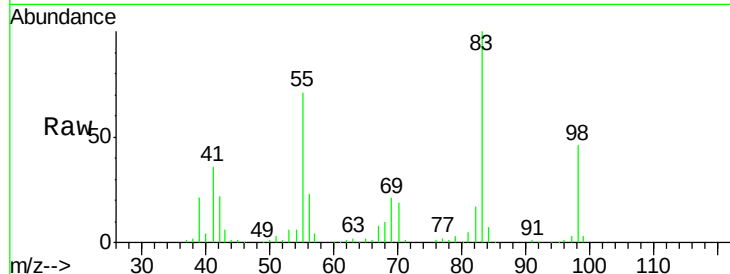
#39
Methylvlcyclohexane
Concen: 19.247 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	71.4	60.1	90.1	
98	45.9	36.6	55.0	

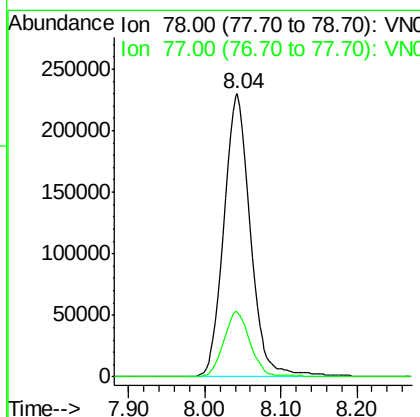
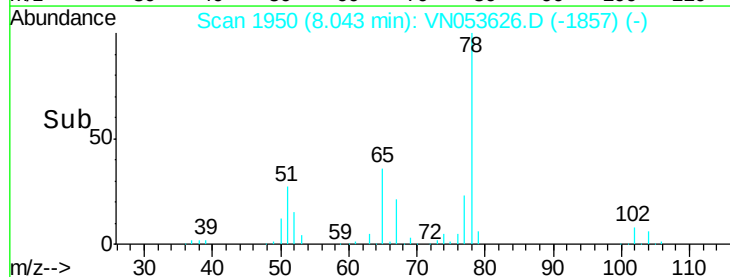
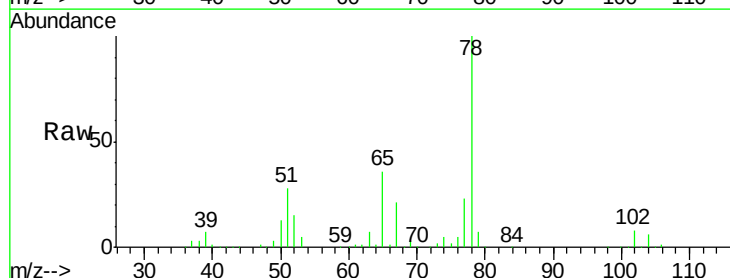
Manual Integrations
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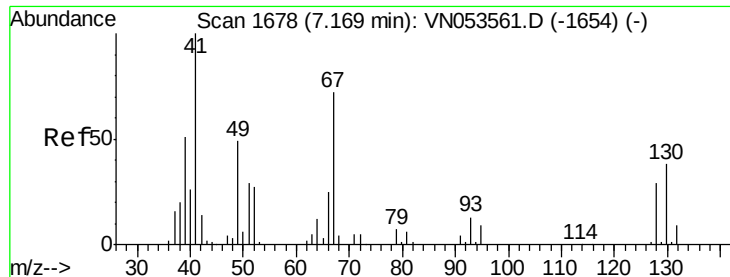
MMDadoda
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#40
Benzene
Concen: 19.235 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.0	18.8	28.2	





#41

Methacrylonitrile

Concen: 19.011 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

Tot Ion: 41 Resp: 56156

Ion Ratio Lower Upper

41 100

39 56.8 46.8 70.2

67 91.4 63.0 94.6

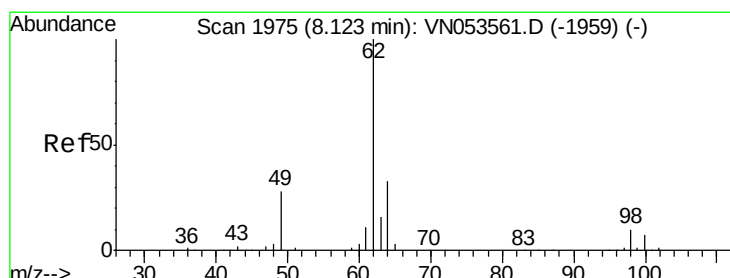
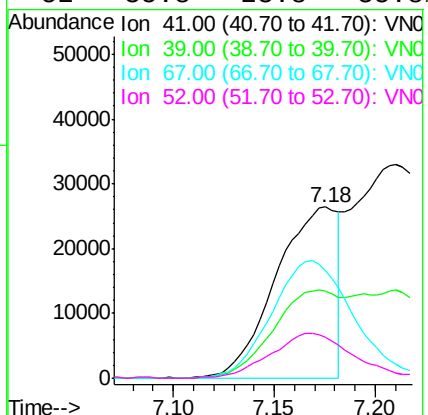
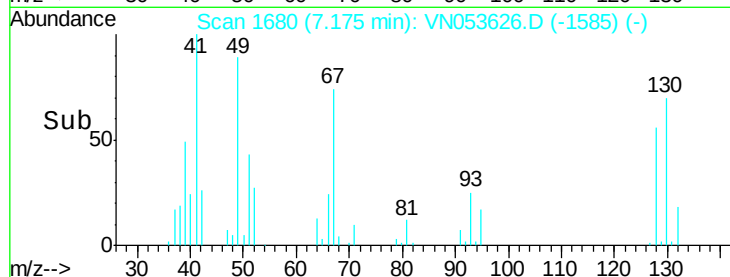
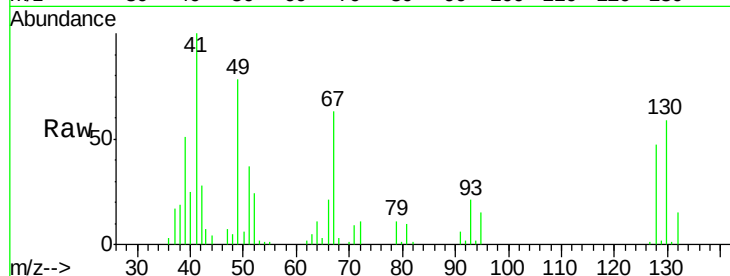
52 35.8 23.8 35.8#

Manual Integrations

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2/7/2019 11:04:16 AM



#42

1,2-Dichloroethane

Concen: 19.281 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN053626.D

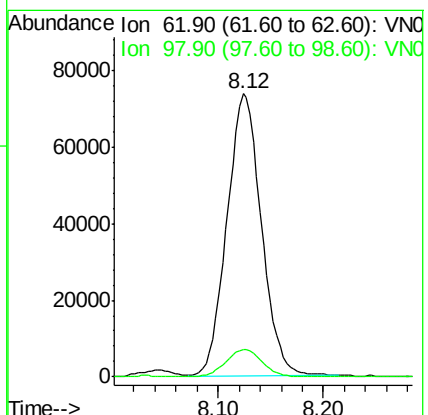
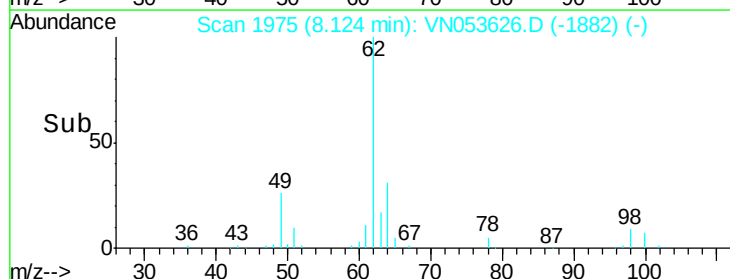
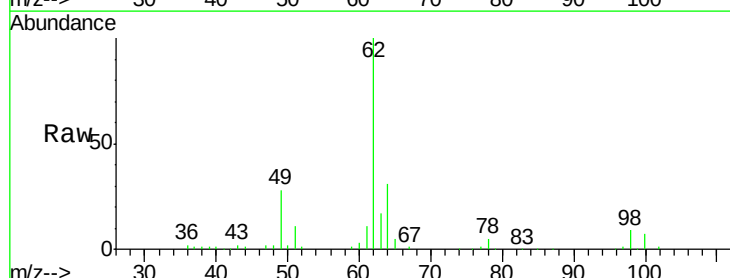
Acq: 6 Feb 2019 11:22

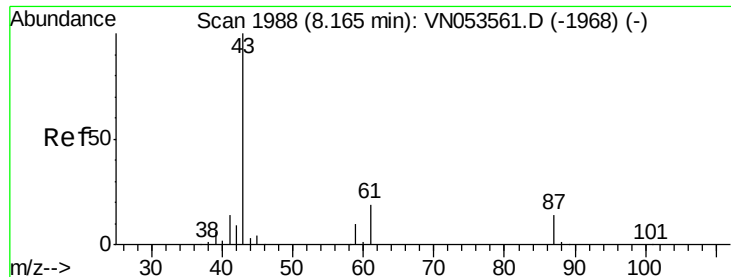
Tgt Ion: 62 Resp: 167066

Ion Ratio Lower Upper

62 100

98 10.1 0.0 19.6





#43

Isopropyl Acetate

Concen: 18.103 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

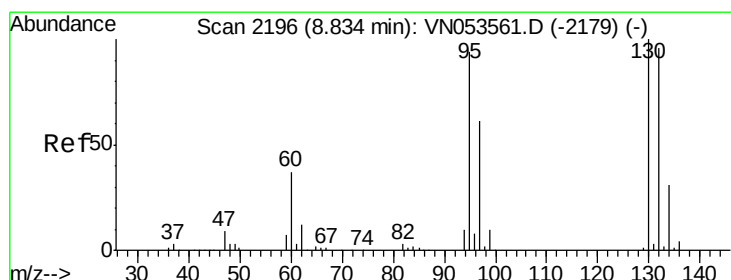
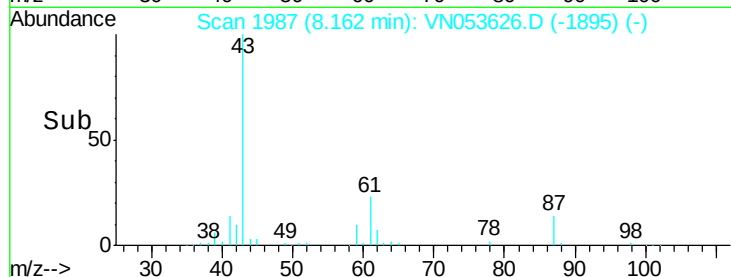
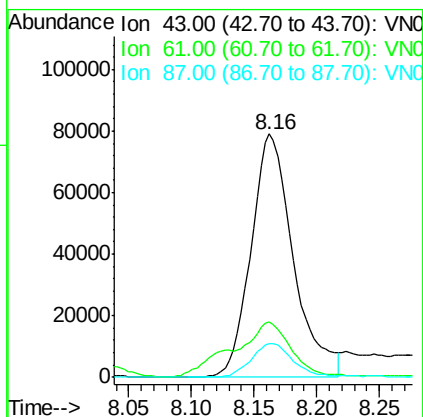
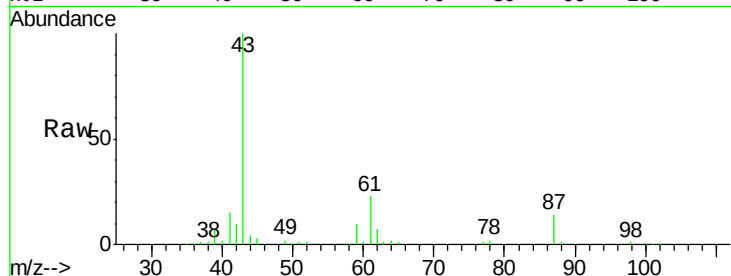
ClientSampled :

VN0206WBS01

Tot Ion:	43	Resp:	184779
Ion	Ratio	Lower	Upper
43	100		
61	30.6	23.9	35.9
87	14.1	11.0	16.6

Manual Integrations
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#44

Trichloroethene

Concen: 18.732 ug/l

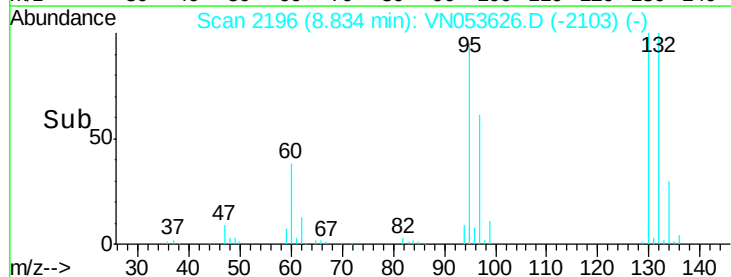
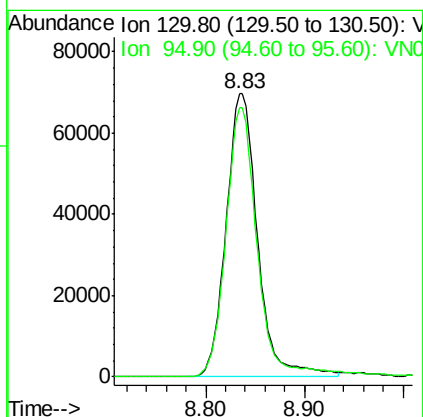
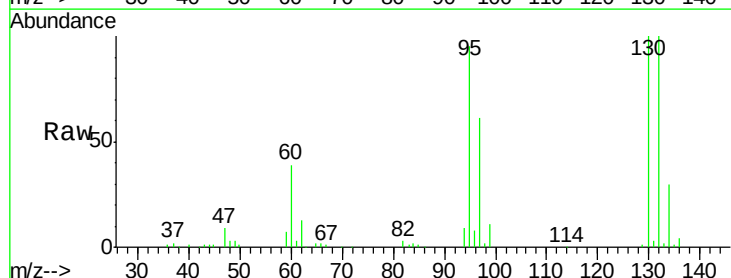
RT: 8.83 min Scan# 2196

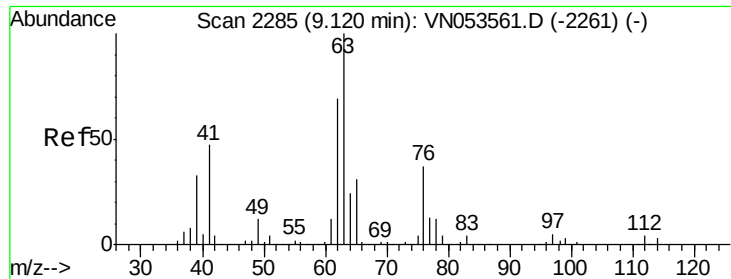
Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Tgt Ion:	130	Resp:	155628
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	191.4





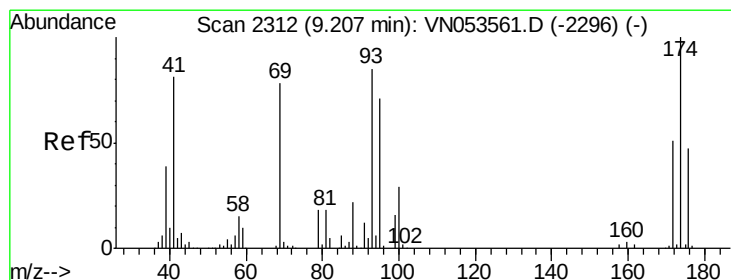
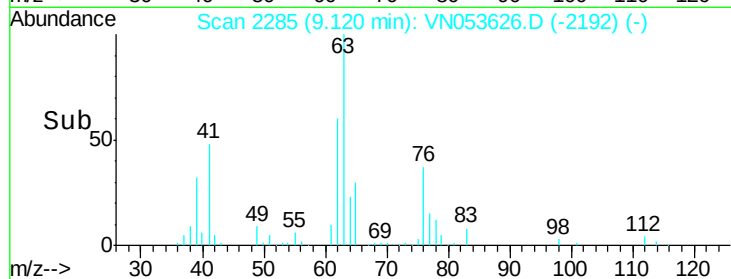
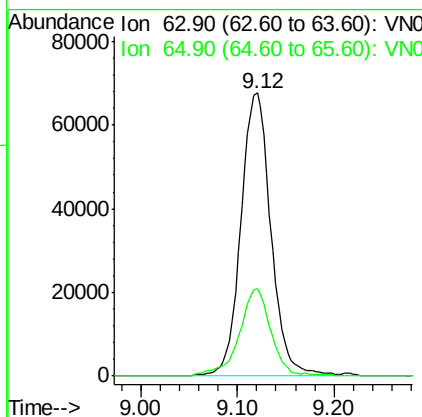
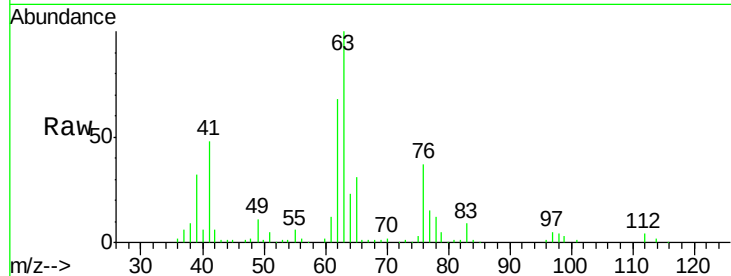
#45
 1,2-Dichloropropane
 Concen: 19.631 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0206WBS01

Tot Ion: 63 Resp: 146525
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.4

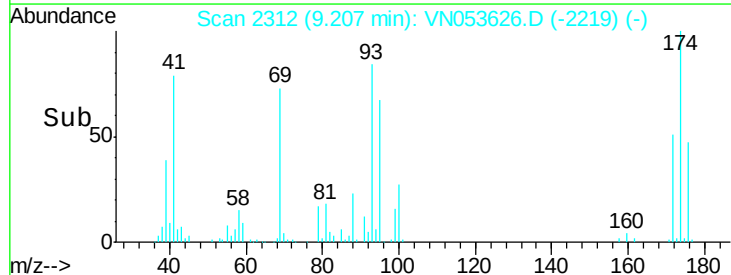
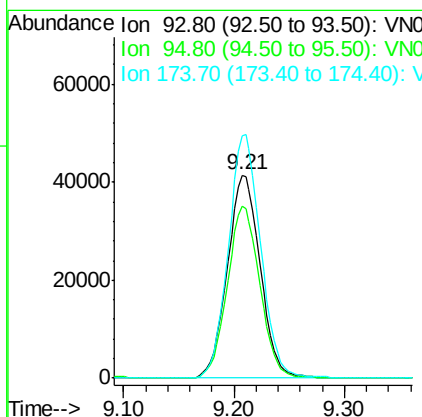
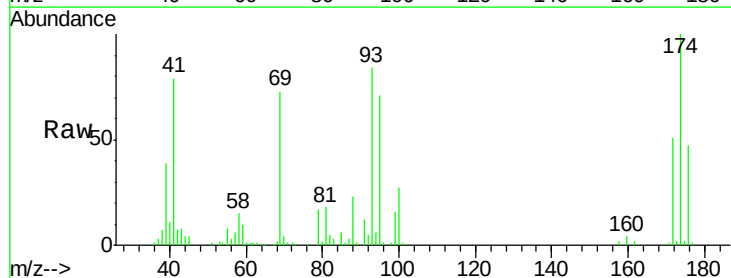
Manual Integrations
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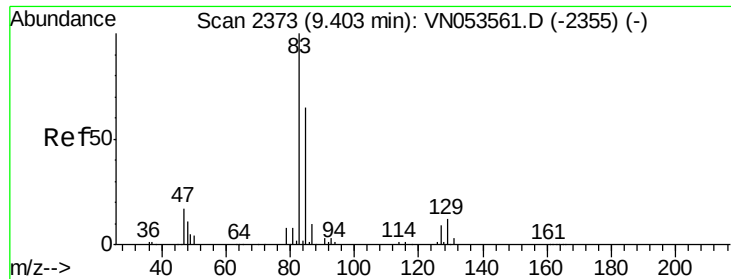
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#46
 Dibromomethane
 Concen: 19.040 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Tgt Ion: 93 Resp: 85669
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.3 100.9
 174 117.8 91.0 136.4





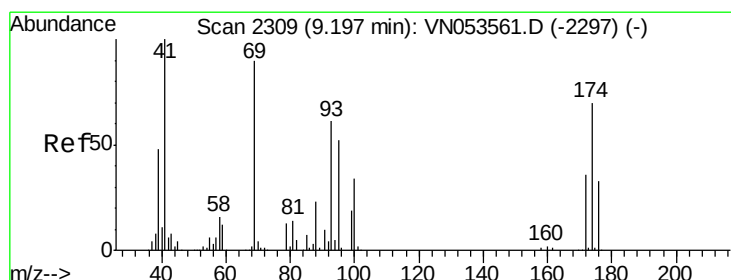
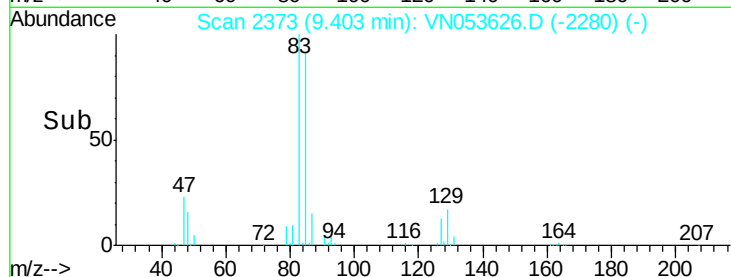
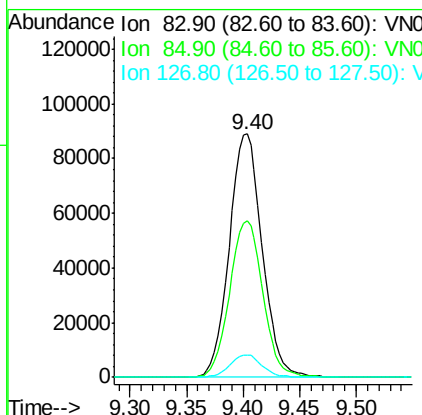
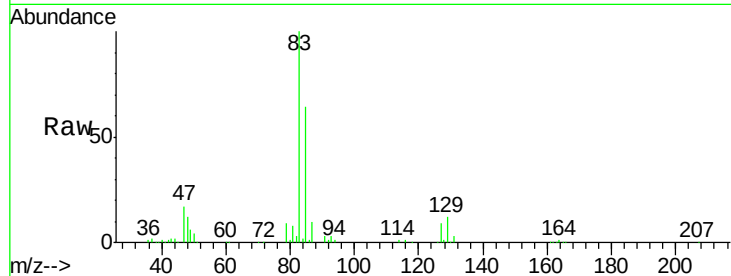
#47
Bromodichloromethane
Concen: 19.316 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion	83	Resp	180707
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.0	76.6
127	9.1	7.0	10.6

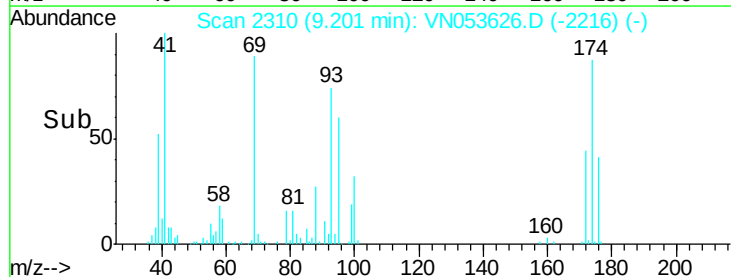
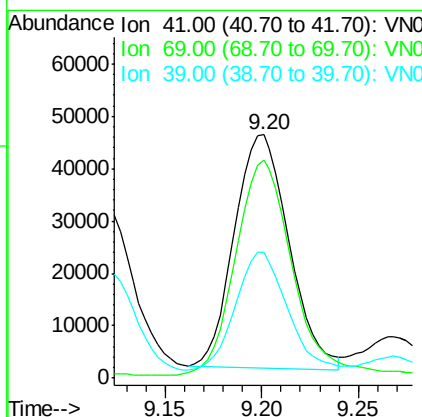
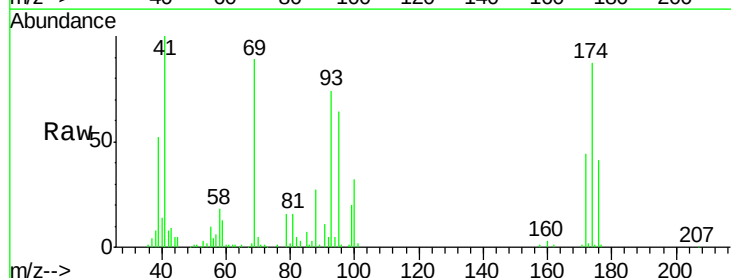
Manual Integrations
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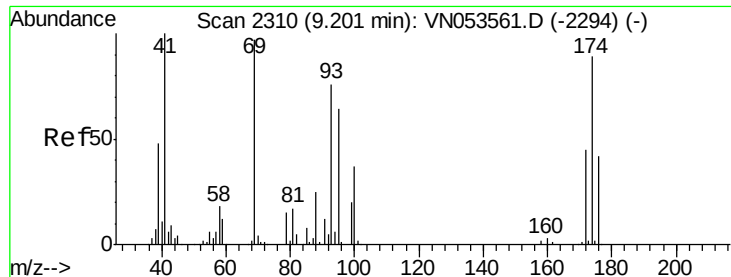
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#48
Methyl methacrylate
Concen: 17.966 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion	41	Resp	87534
Ion Ratio	100	Lower	Upper
41	100		
69	100.5	73.8	110.6
39	55.4	40.0	60.0





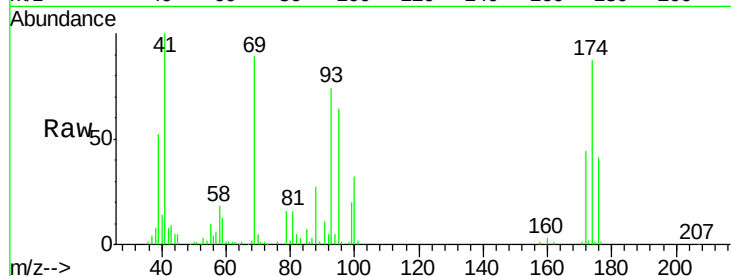
#49
1,4-Dioxane
Concen: 409.954 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion	88	Resp	27247
Ion	Ratio	Lower	Upper
88	100		
43	31.0	27.8	41.6
58	67.7	56.5	84.7

Manual Integrations
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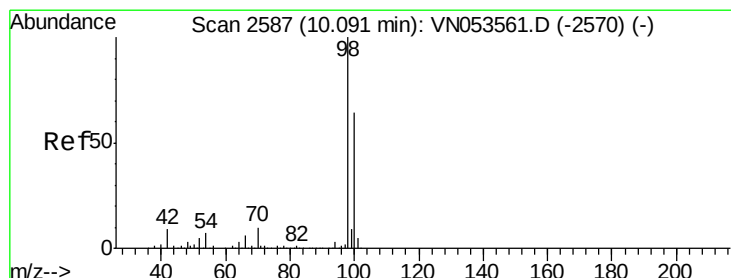
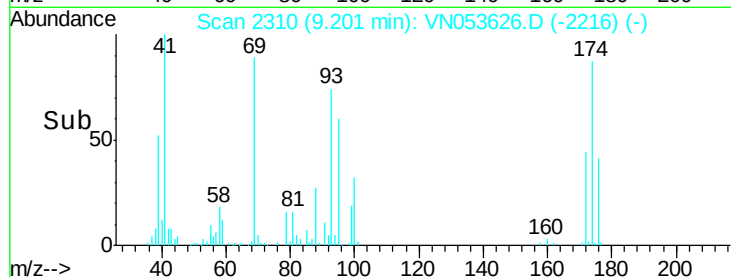
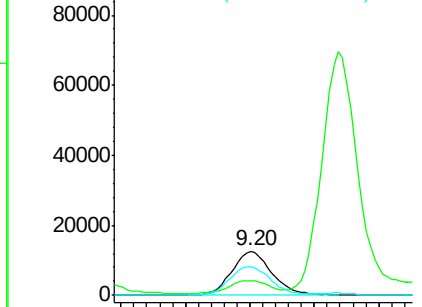
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Abundance Ion 88.00 (87.70 to 88.70): VN053561.D (-2294) (-)

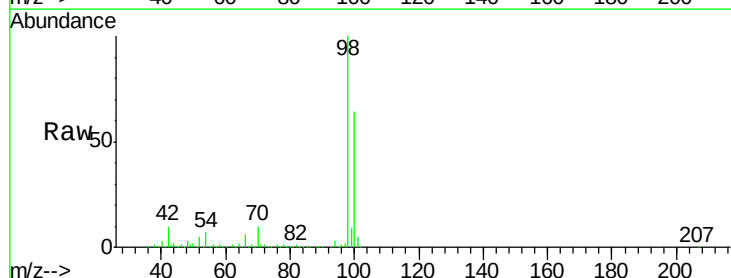
Ion 43.00 (42.70 to 43.70): VN053561.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-2294) (-)



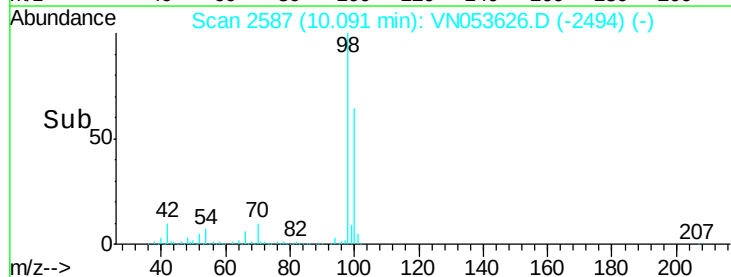
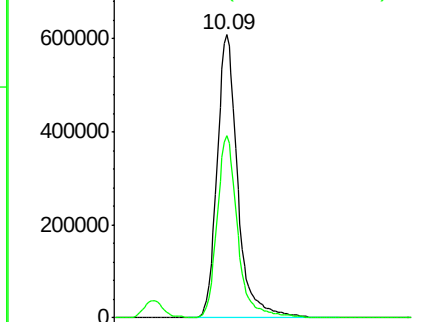
#50
Toluene-d8
Concen: 409.954 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

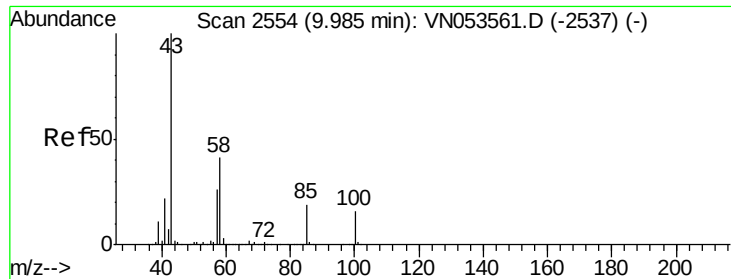
Tgt Ion	98	Resp	1258974
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 102.960 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VN0206WBS01

Tot Ion: 43 Resp: 516414

Ion Ratio Lower Upper

43 100

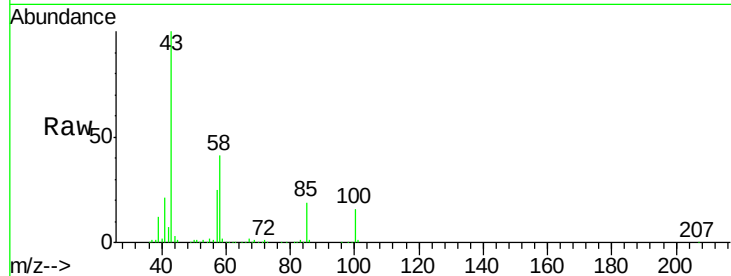
58 39.6 32.8 49.2

Manual Integrations

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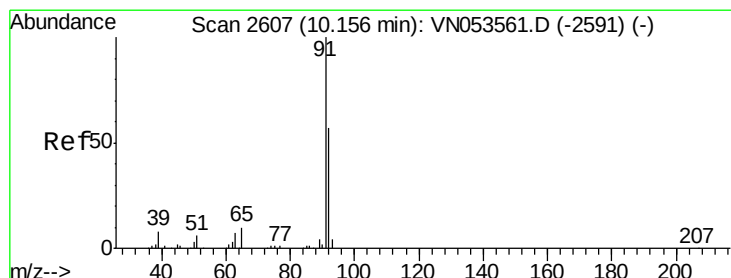
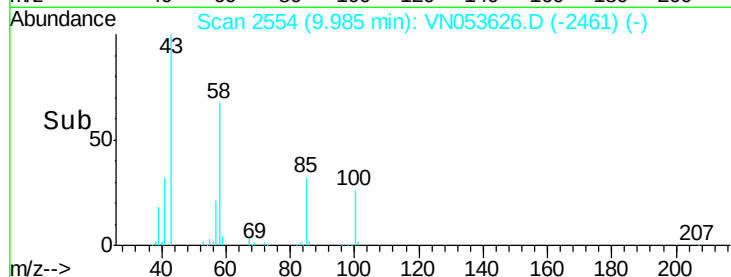
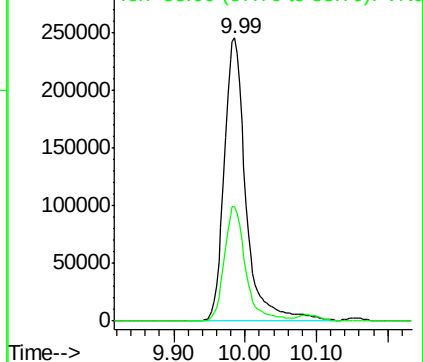
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.531 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053626.D

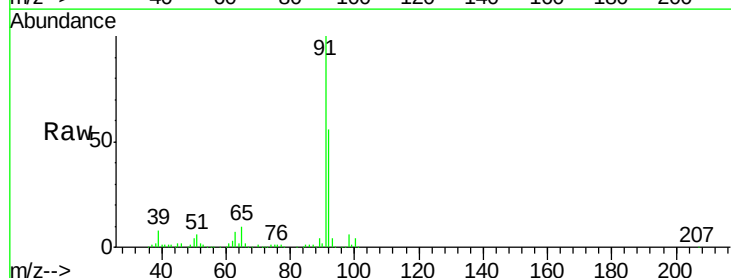
Acq: 6 Feb 2019 11:22

Tgt Ion: 92 Resp: 338258

Ion Ratio Lower Upper

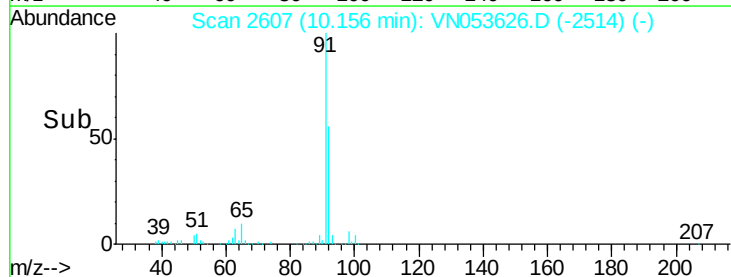
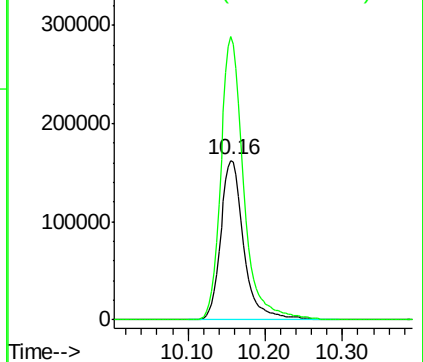
92 100

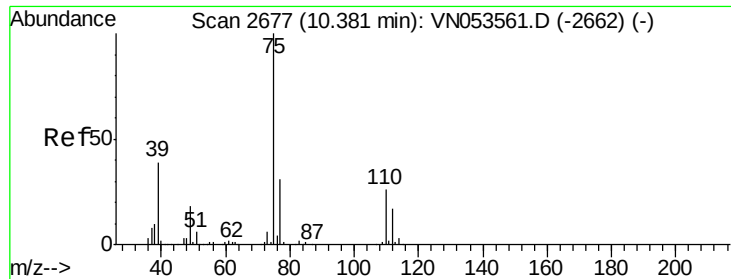
91 175.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





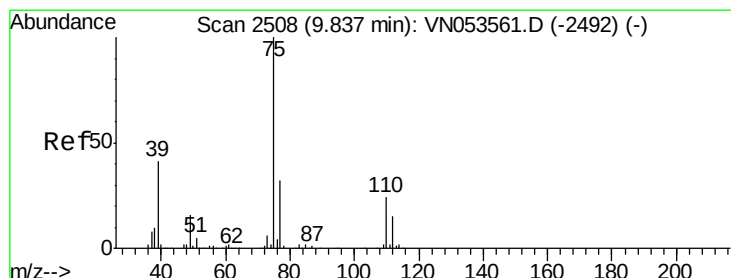
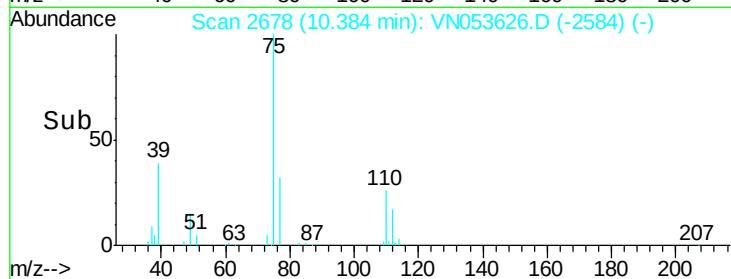
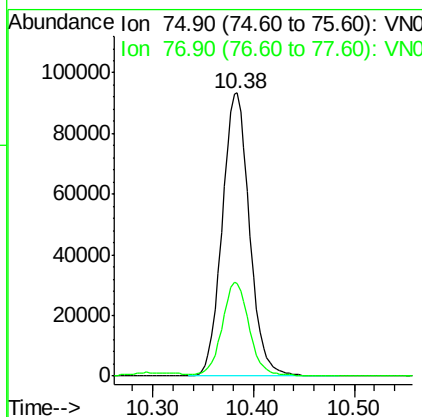
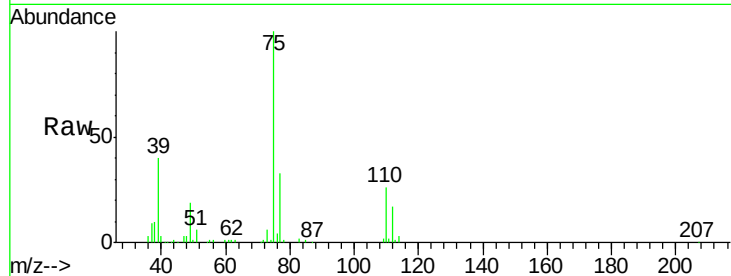
#53
t-1,3-Dichloropropene
Concen: 18.865 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Instrument :
MSVOA_N
ClientSampled :
VN0206WBS01

Tot Ion: 75 Resp: 176721
Ion Ratio Lower Upper
75 100
77 32.7 25.5 38.3

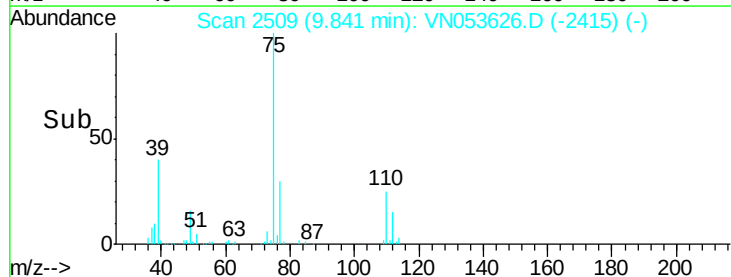
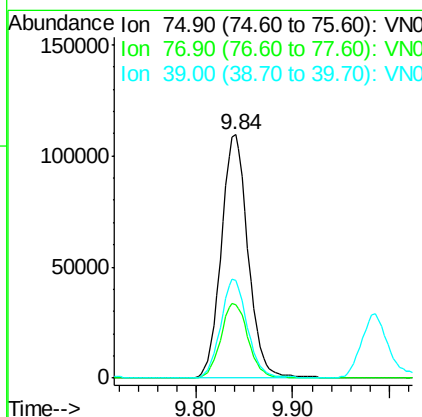
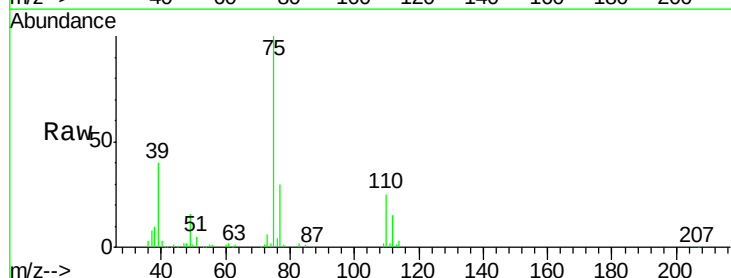
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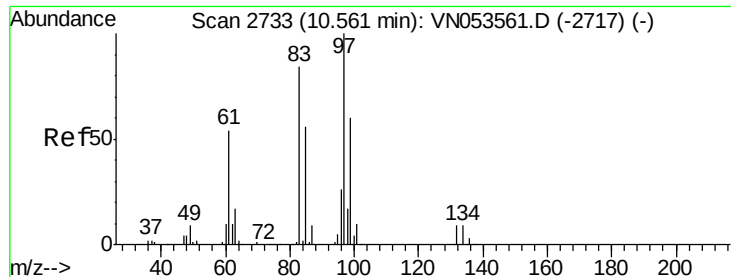
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#54
cis-1,3-Dichloropropene
Concen: 19.008 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion: 75 Resp: 211006
Ion Ratio Lower Upper
75 100
77 30.1 25.8 38.6
39 39.9 33.4 50.0





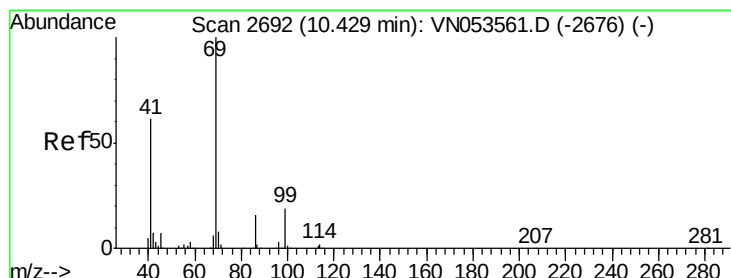
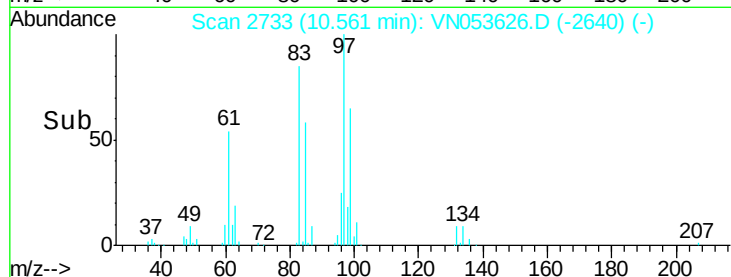
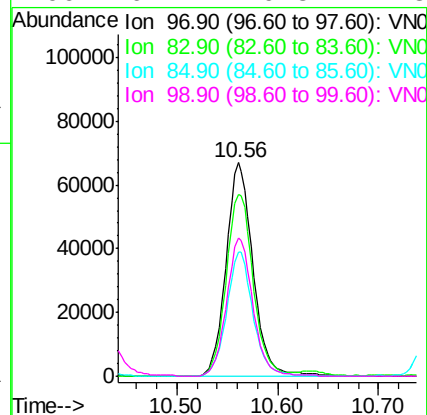
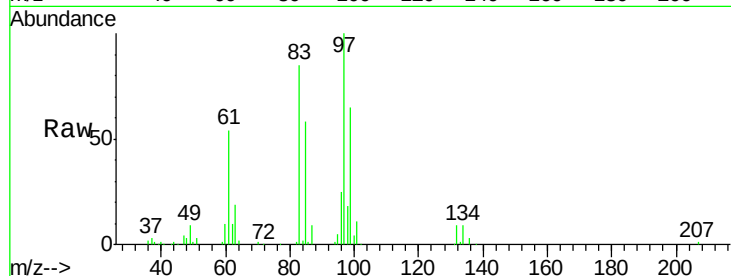
#55
 1,1,2-Trichloroethane
 Concen: 19.928 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0206WBS01

Tot Ion:	97	Resp:	124370
Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.1	105.1
85	58.3	45.4	68.0
99	64.7	49.8	74.8

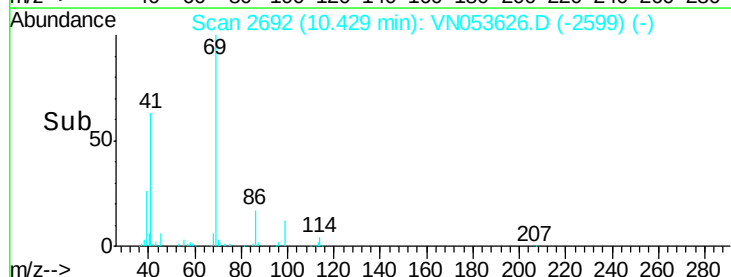
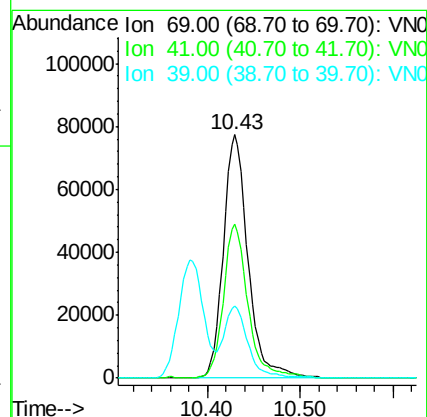
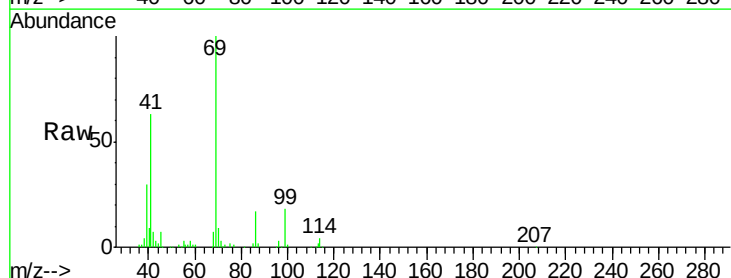
Manual Integrations
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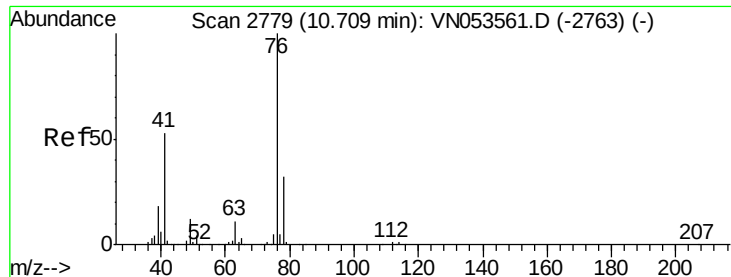
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#56
 Ethyl methacrylate
 Concen: 19.340 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Tgt Ion:	69	Resp:	142787
Ion	Ratio	Lower	Upper
69	100		
41	62.0	49.4	74.0
39	27.6	23.3	34.9





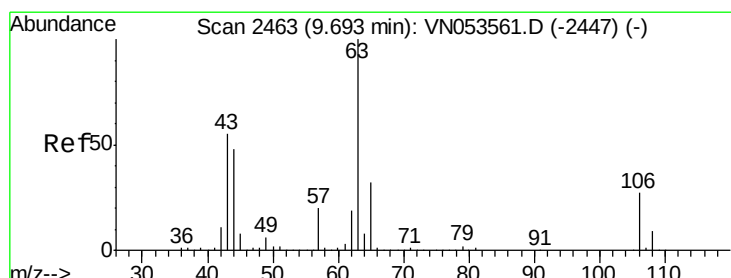
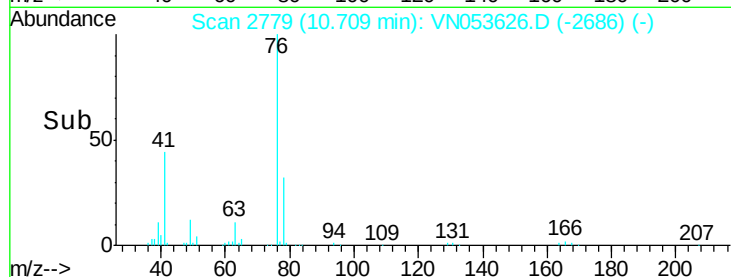
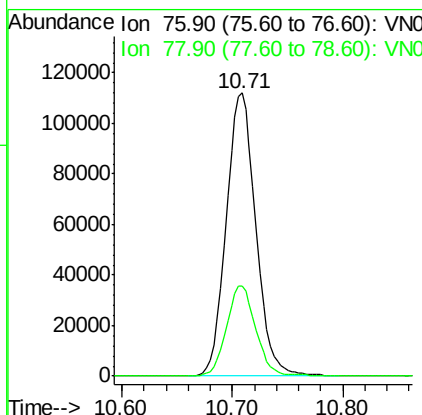
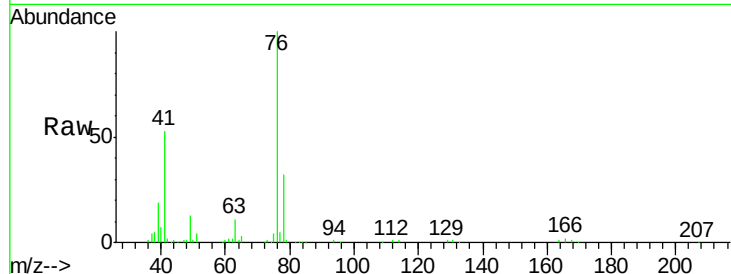
#57
 1,3-Dichloropropane
 Concen: 19.522 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0206WBS01

Tot Ion: 76 Resp: 208227
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.6 38.4

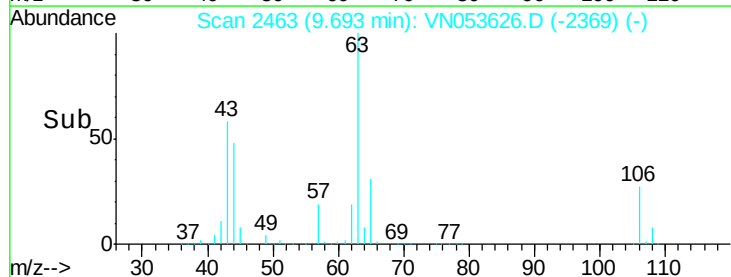
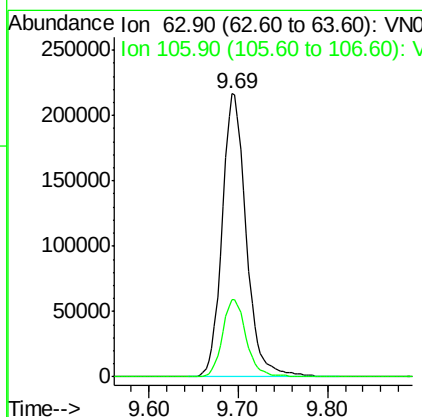
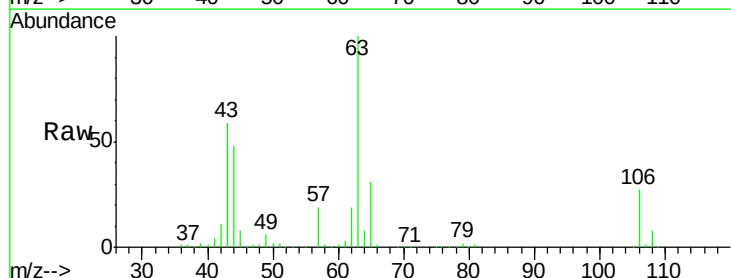
Manual Integrations
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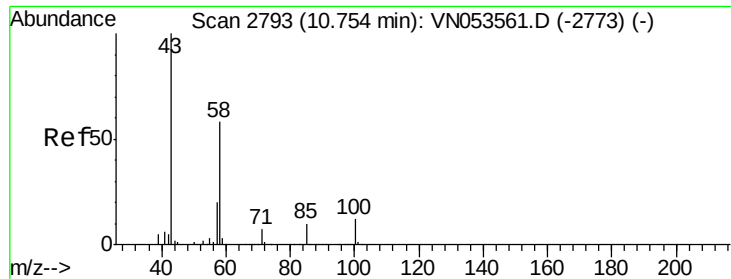
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 93.672 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Tgt Ion: 63 Resp: 405209
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.5 32.3





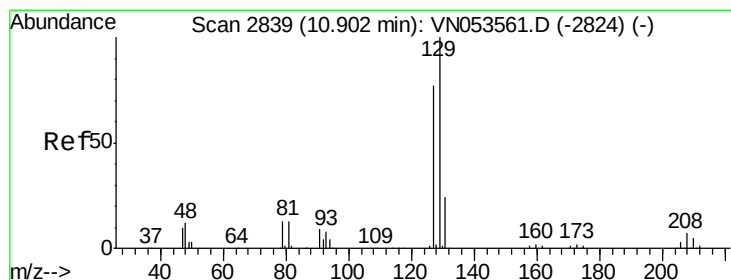
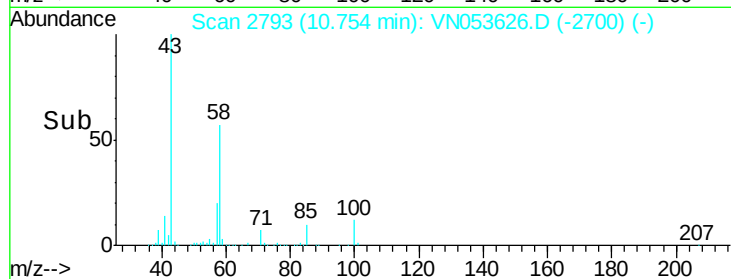
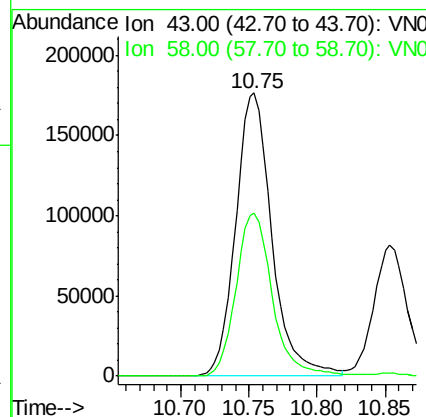
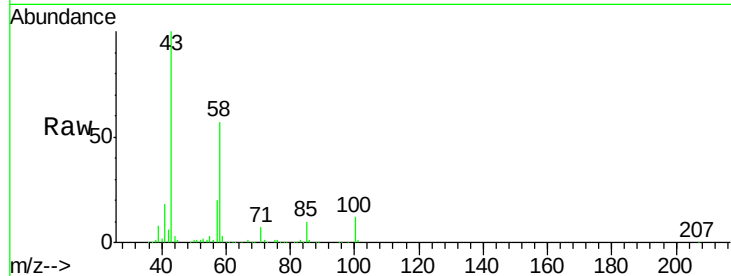
#59
2-Hexanone
Concen: 95.329 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion	43	Resp	324595
Ion	Ratio	Lower	Upper
43	100		
58	58.1	28.6	85.8

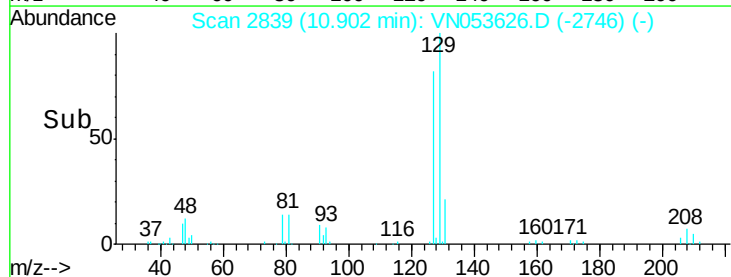
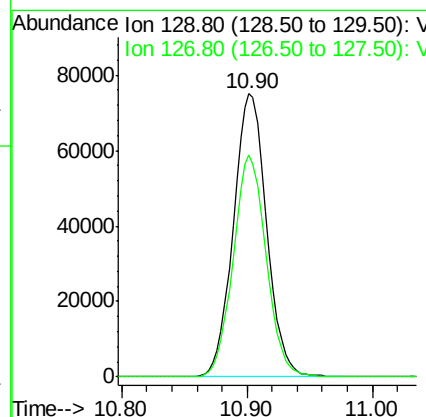
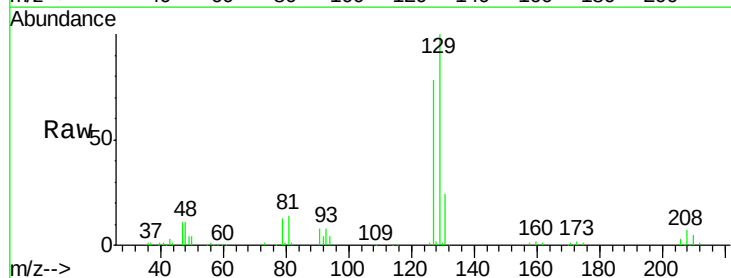
Manual Integrations
APPROVED

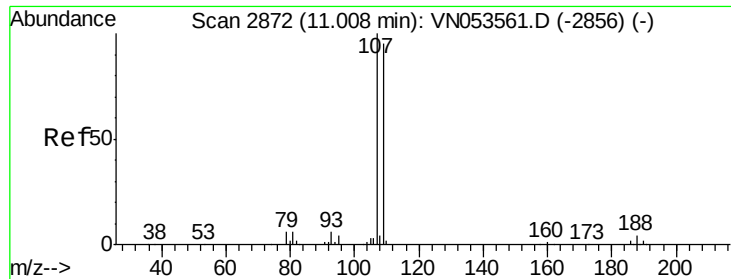
MMDadoda
2/7/2019 11:04:16 AM



#60
Dibromochloromethane
Concen: 19.623 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion	129	Resp	138104
Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	115.8





#61

1,2-Dibromoethane

Concen: 18.783 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

Tot Ion: 107 Resp: 116021

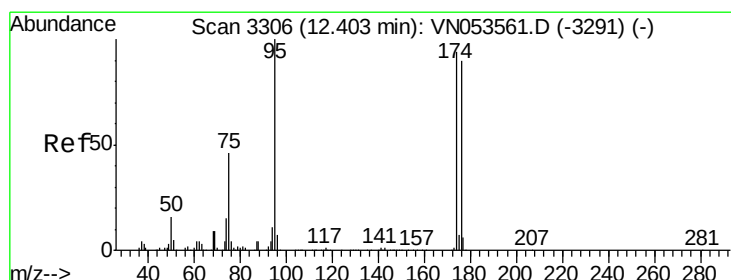
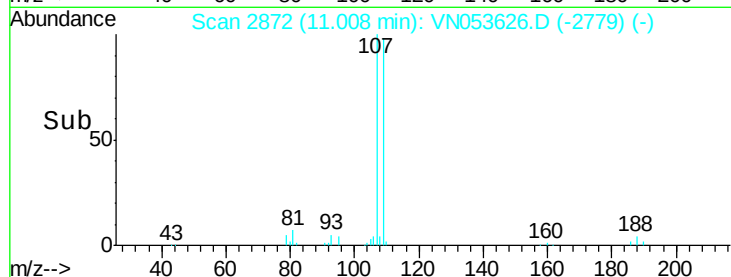
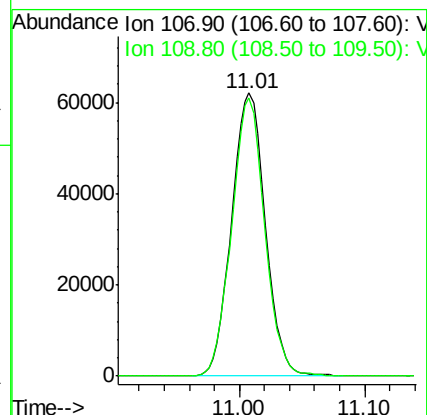
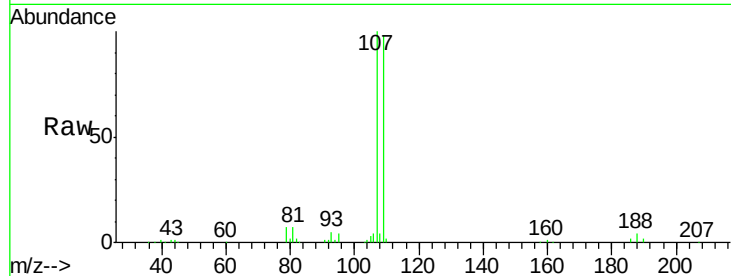
Ion Ratio Lower Upper

107 100

109 95.8 75.7 113.5

Manual Integrations
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MMDadoda
2/7/2019 11:04:16 AM



#62

4-Bromofluorobenzene

Concen: 18.783 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

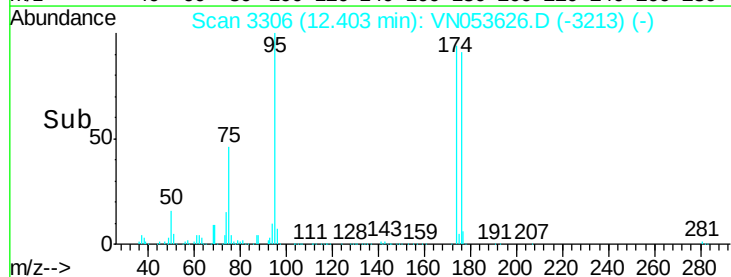
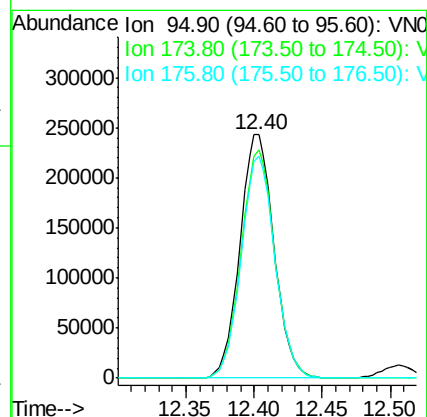
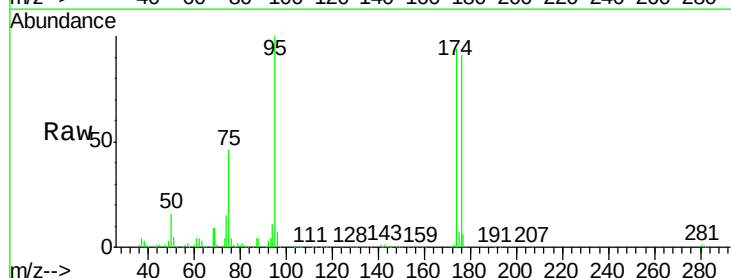
Tgt Ion: 95 Resp: 421103

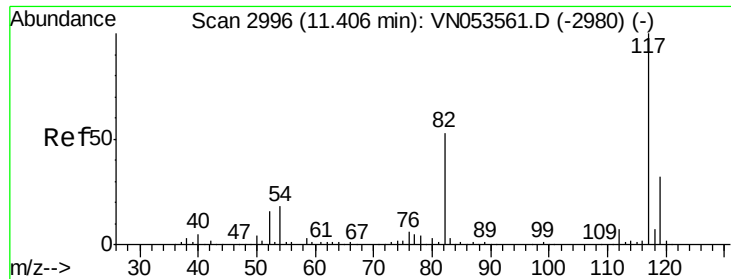
Ion Ratio Lower Upper

95 100

174 92.7 0.0 183.2

176 90.1 0.0 177.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

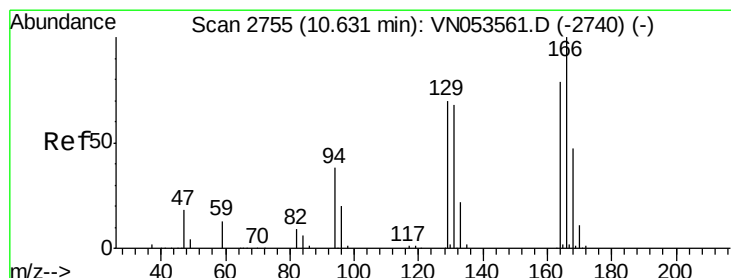
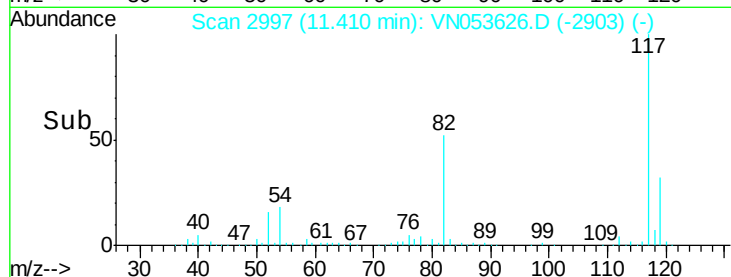
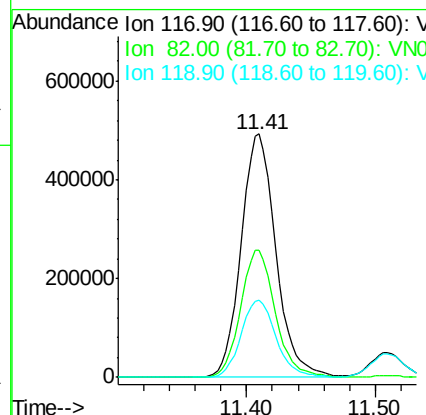
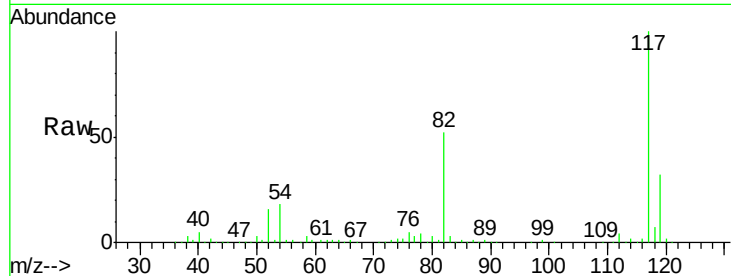
ClientSampled :

VN0206WBS01

Tot Ion:	117	Resp:	925307
Ion Ratio	Lower	Upper	
117	100		
82	52.4	42.9	64.3
119	31.9	26.0	39.0

Manual Integrations
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#64

Tetrachloroethene

Concen: 18.665 ug/l

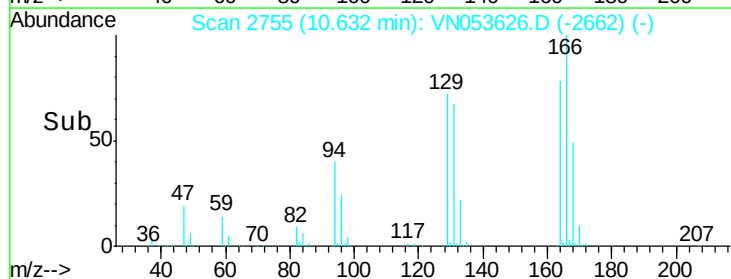
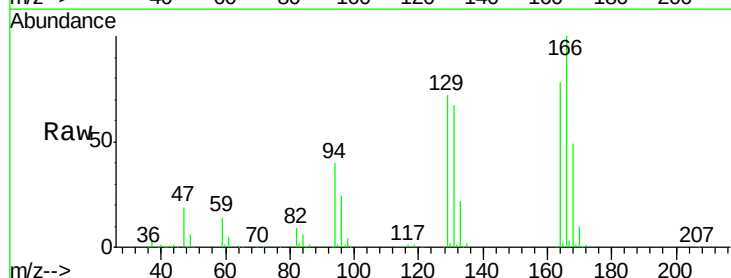
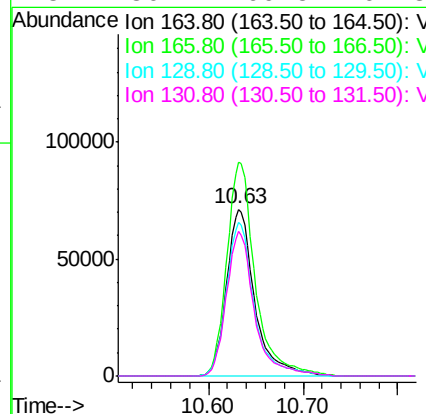
RT: 10.63 min Scan# 2755

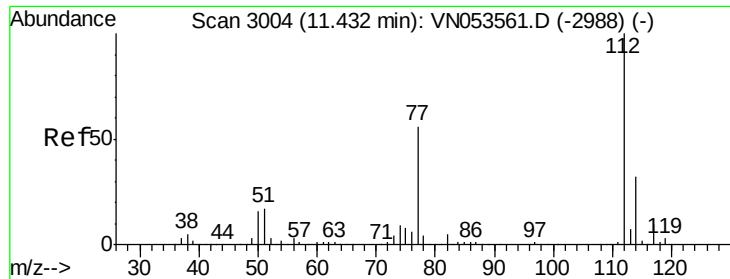
Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Tgt Ion:	164	Resp:	148050
Ion Ratio	Lower	Upper	
164	100		
166	128.1	102.2	153.4
129	92.0	72.6	109.0
131	86.4	69.5	104.3





#65

Chlorobenzene

Concen: 18.946 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VN0206WBS01

Tot Ion:112 Resp: 372376

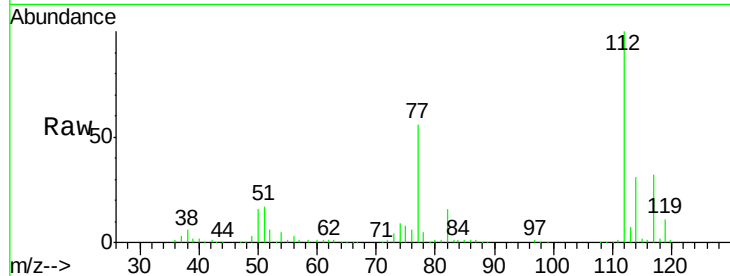
Ion Ratio Lower Upper

112 100

114 31.1 25.3 37.9

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

200000

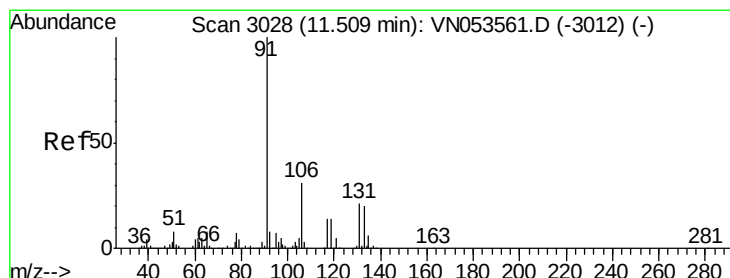
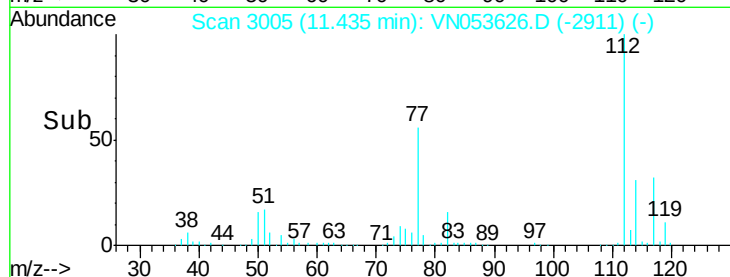
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.378 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

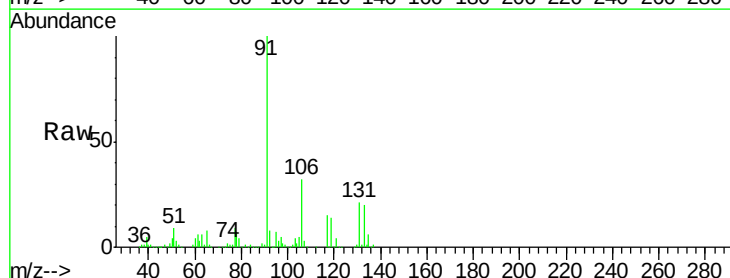
Tgt Ion:131 Resp: 133011

Ion Ratio Lower Upper

131 100

133 95.4 48.0 144.0

119 66.6 33.5 100.5



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

200000

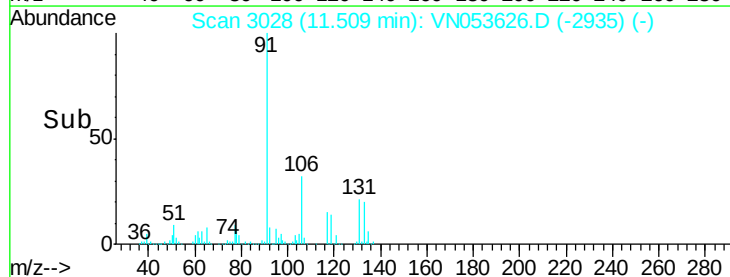
150000

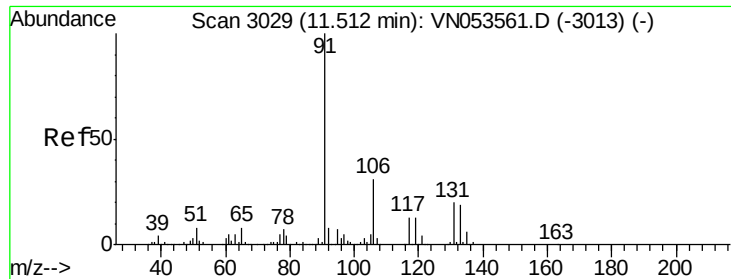
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 19.327 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VN0206WBS01

Tot Ion: 91 Resp: 624004

Ion Ratio Lower Upper

91 100

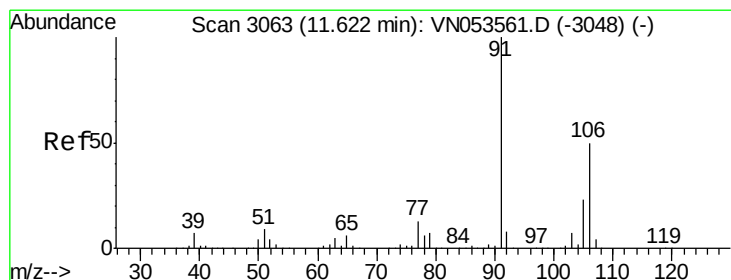
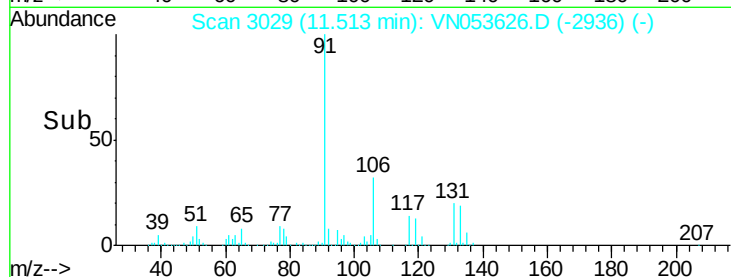
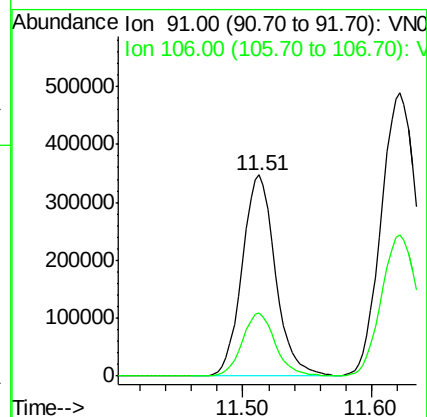
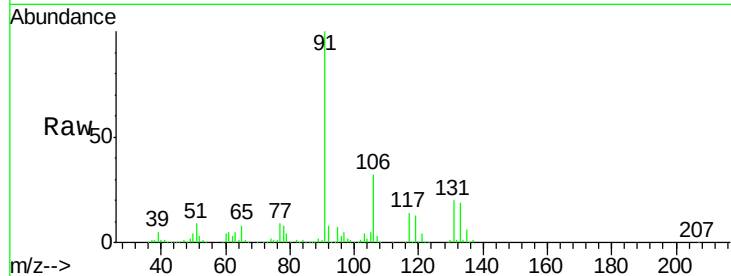
106 31.6 25.0 37.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.629 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053626.D

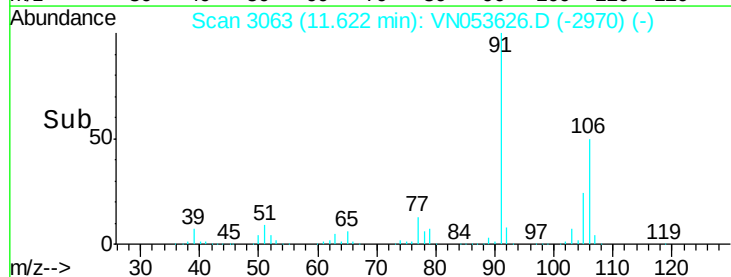
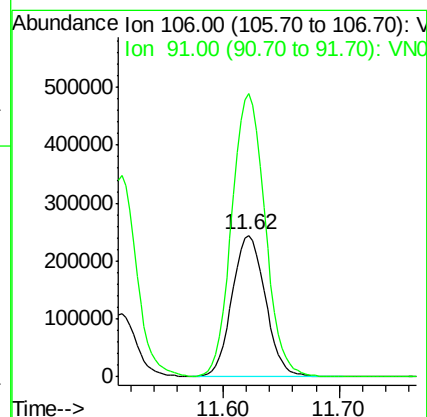
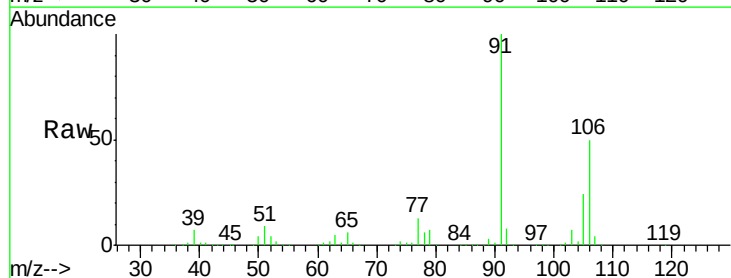
Acq: 6 Feb 2019 11:22

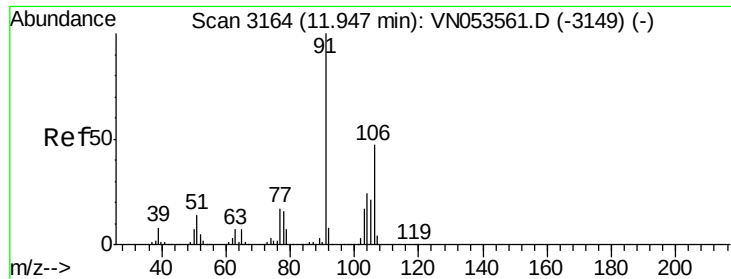
Tgt Ion: 106 Resp: 488322

Ion Ratio Lower Upper

106 100

91 199.6 161.4 242.2





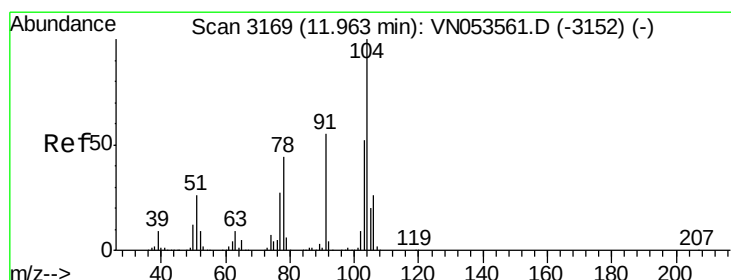
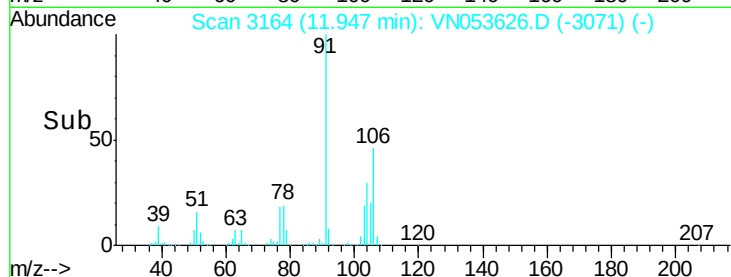
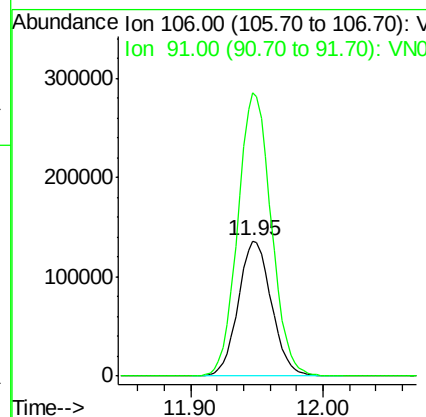
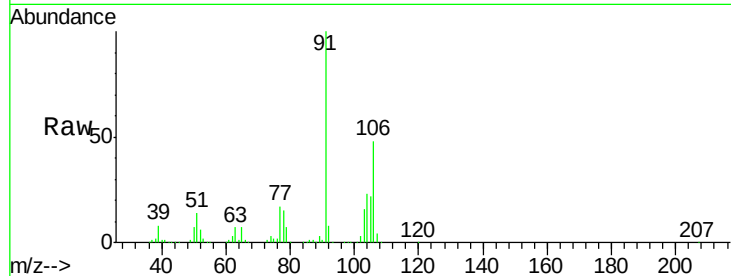
#69
o-Xylene
Concen: 19.931 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Instrument :
MSVOA_N
ClientSampled :
VN0206WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	237268		
91	91	210.7	106.9	320.8	

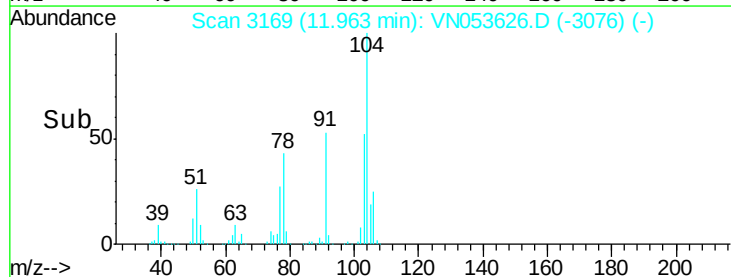
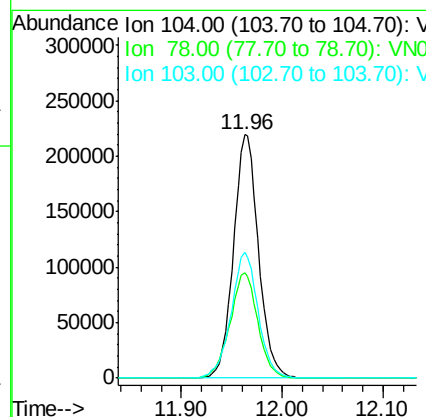
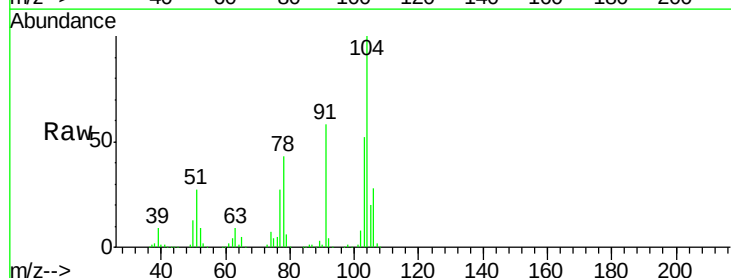
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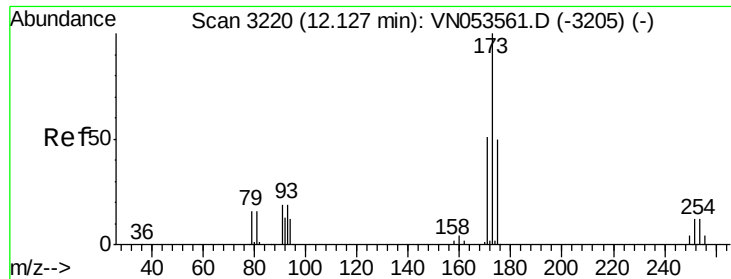
MMDadoda
2/7/2019 11:04:16 AM



#70
Styrene
Concen: 19.708 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	380281		
78	78	48.0	38.2	57.2	
103	103	55.7	44.4	66.6	





#71

Bromoform

Concen: 19.871 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

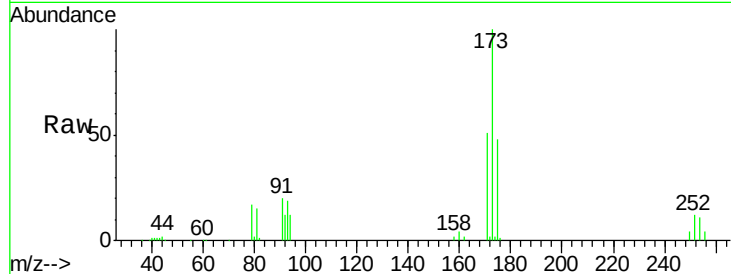
ClientSampled :

VN0206WBS01

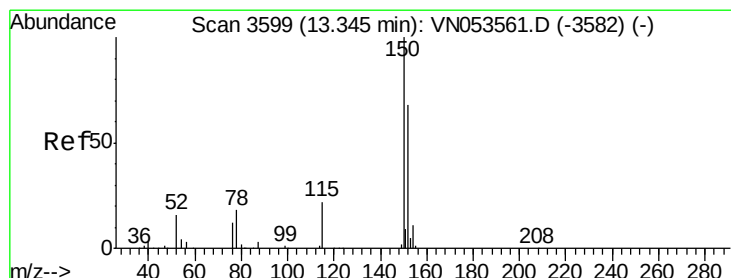
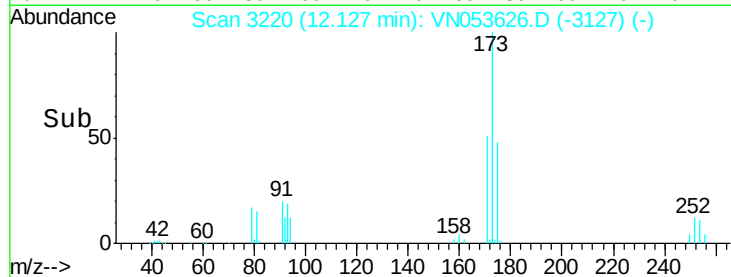
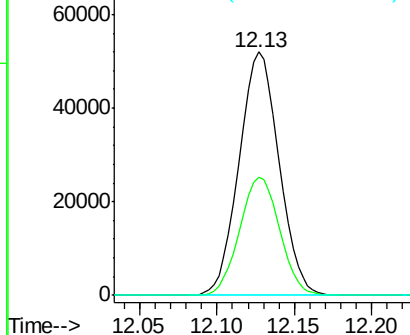
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	74.0
254	0.0	0.2	0.2

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

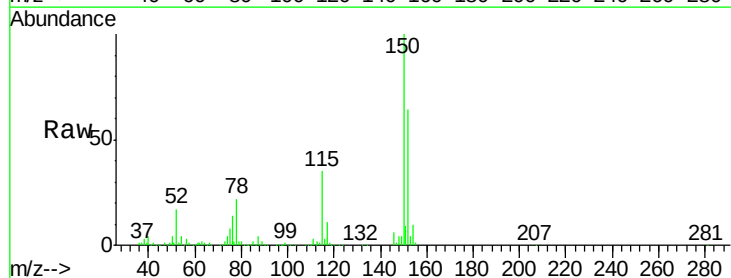
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

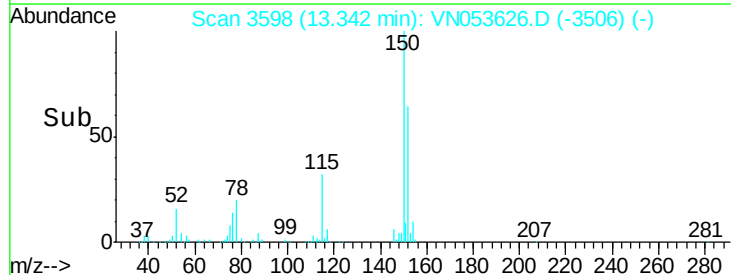
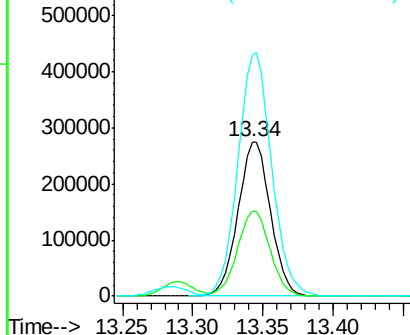
Lab File: VN053626.D

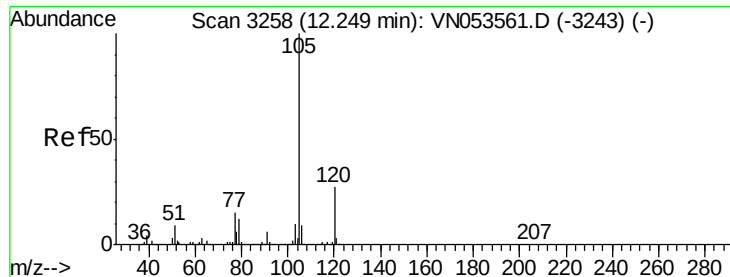
Acq: 6 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.8	83.4
150	164.1	0.0	349.0



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: 19.737 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VN0206WBS01

Tot Ion: 105 Resp: 616323

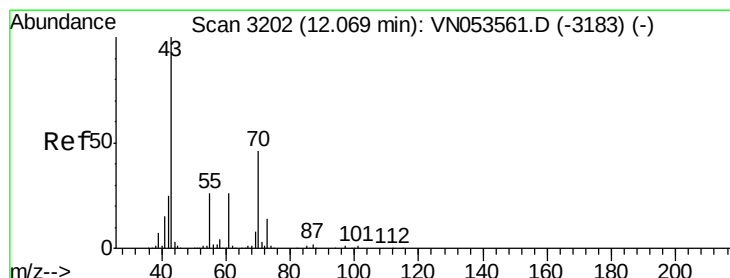
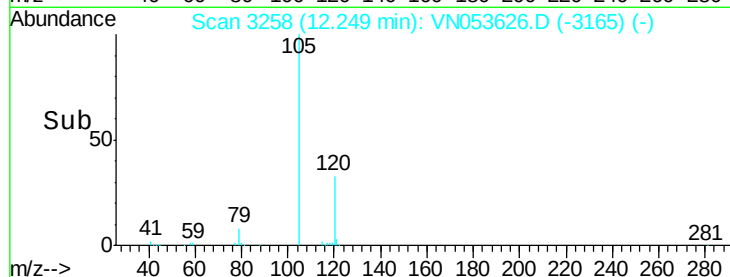
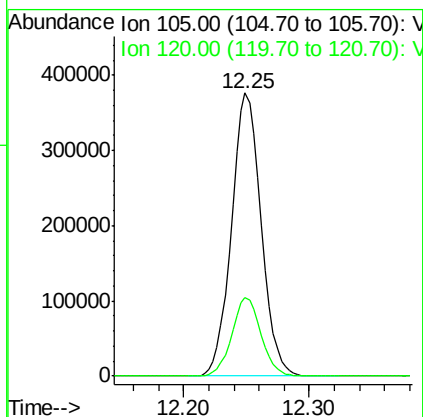
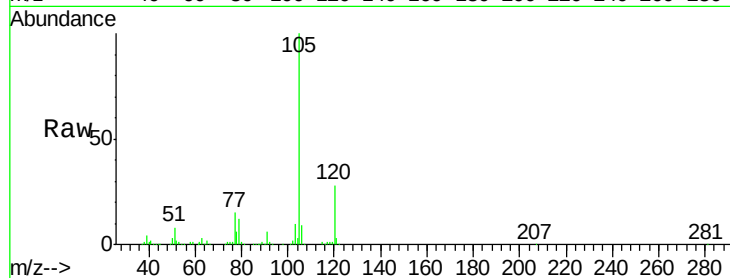
Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7

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#74

N-ethyl acetate

Concen: 19.419 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Tgt Ion: 43 Resp: 145817

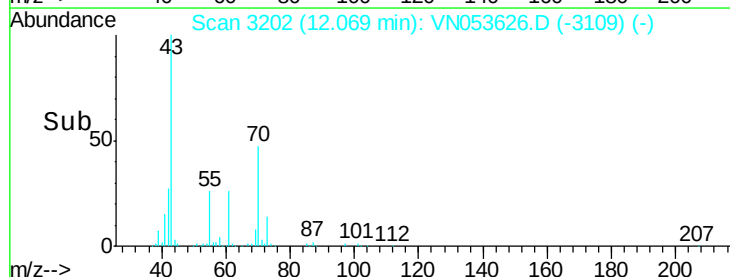
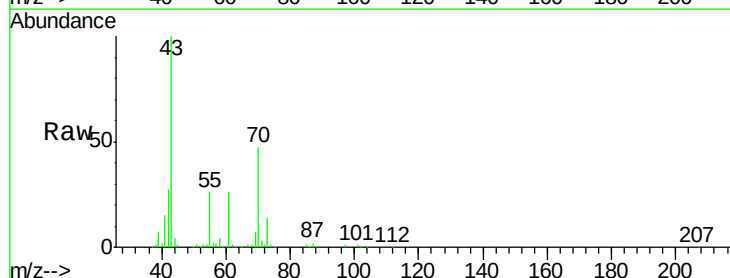
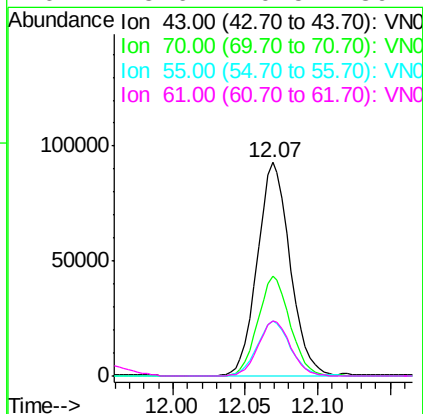
Ion Ratio Lower Upper

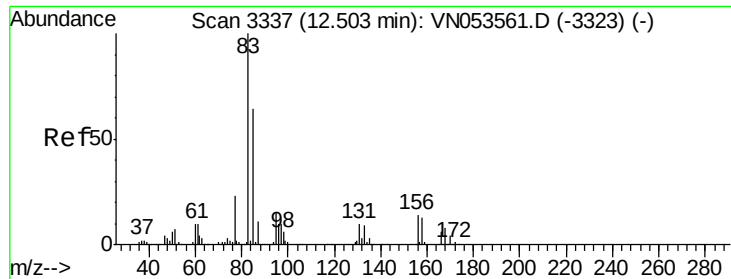
43 100

70 46.1 35.4 53.2

55 26.2 20.9 31.3

61 25.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.173 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

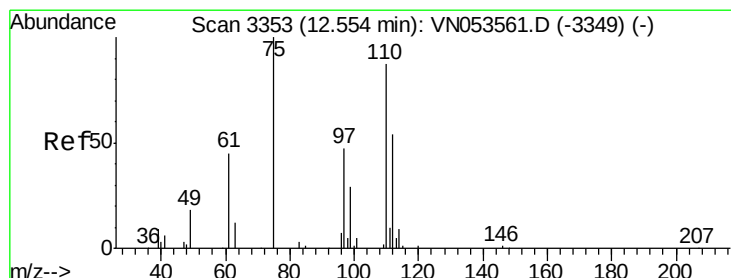
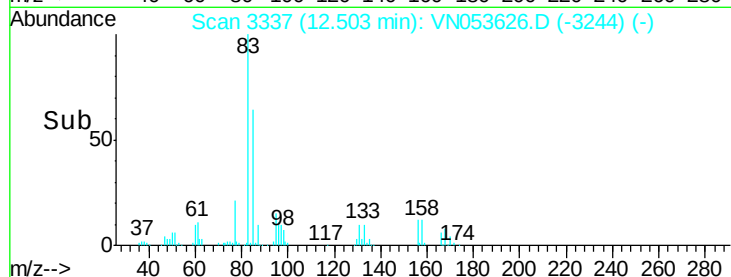
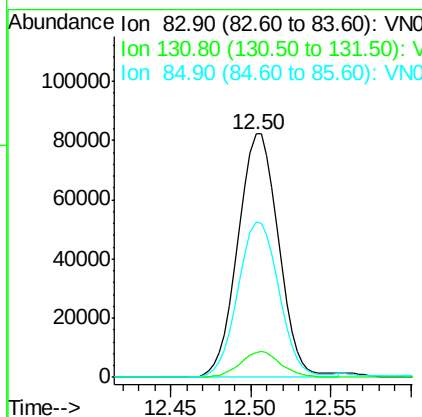
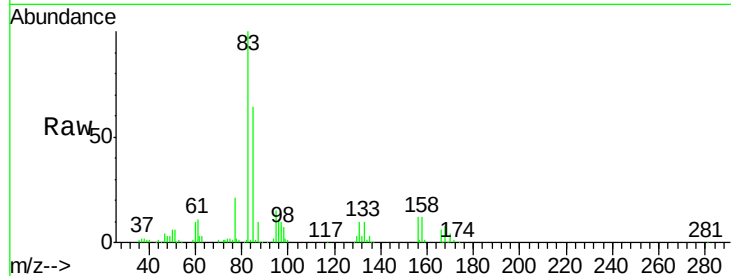
ClientSampled :

VN0206WBS01

Tot Ion:	83	Resp:	143289
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.8
85	64.2	32.1	96.3

Manual Integrations
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2/7/2019 11:04:16 AM



#76

1,2,3-Trichloropropane

Concen: 20.667 ug/l m

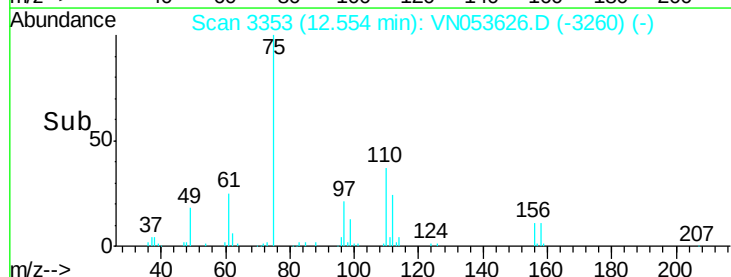
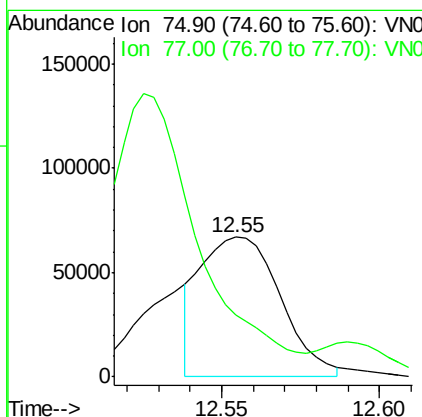
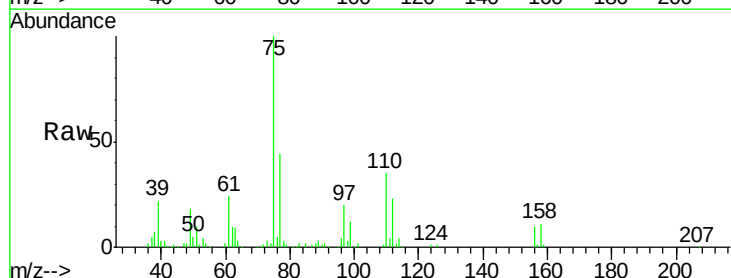
RT: 12.55 min Scan# 3353

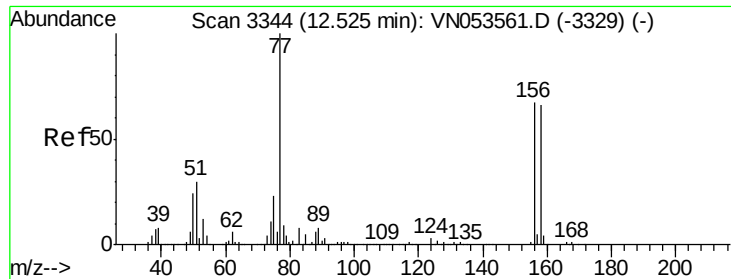
Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Tgt Ion:	75	Resp:	117916
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.549 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

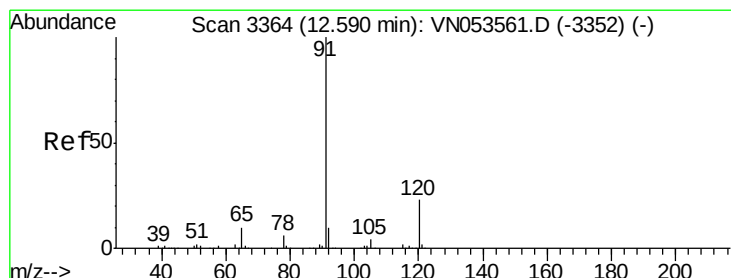
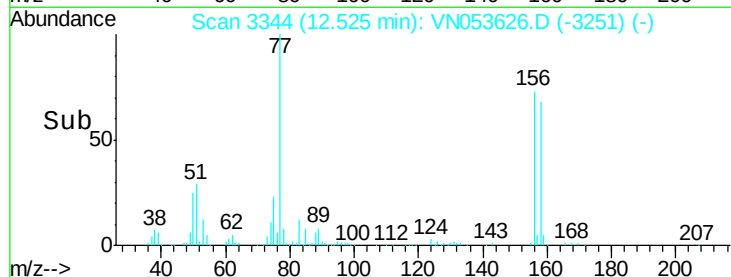
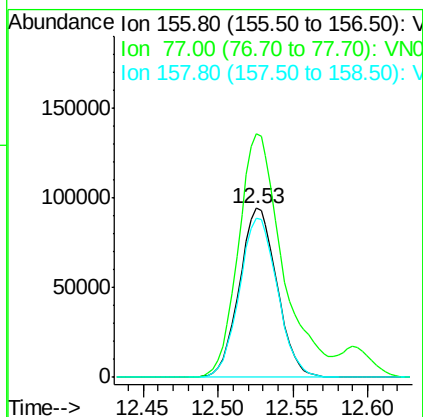
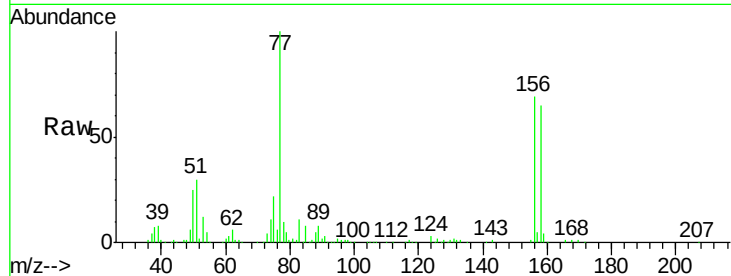
ClientSampled :

VN0206WBS01

Tot Ion:	156	Resp:	164521
Ion Ratio	Lower	Upper	
156	100		
77	169.9	87.9	263.8
158	95.7	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 19.984 ug/l

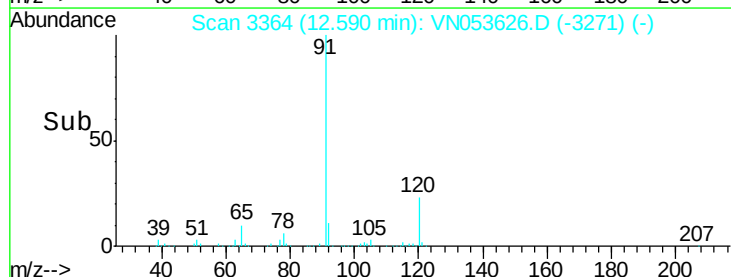
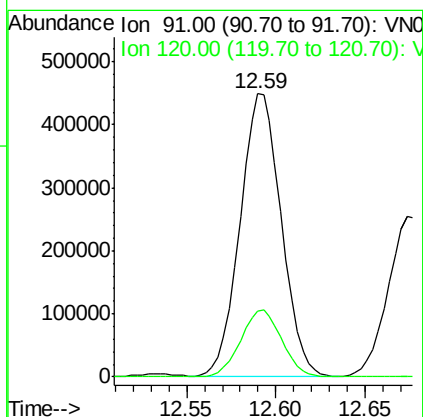
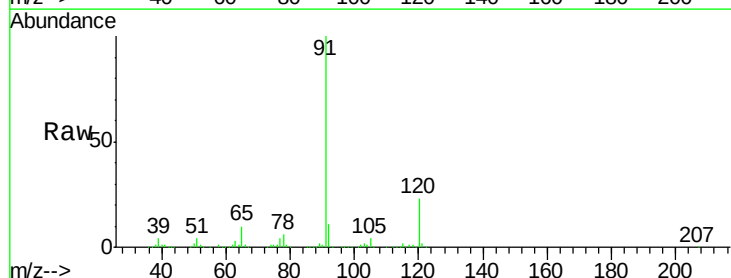
RT: 12.59 min Scan# 3364

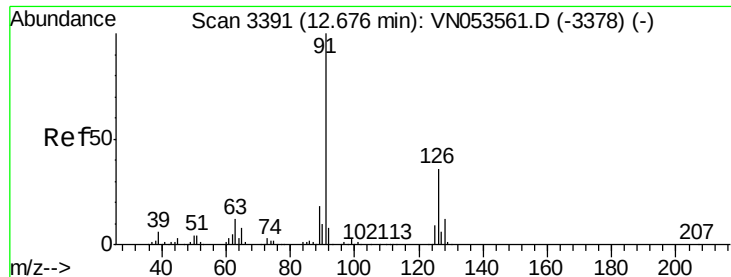
Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Tgt Ion:	91	Resp:	721403
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 19.706 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

Tot Ion: 91 Resp: 422027

Ion Ratio Lower Upper

91 100

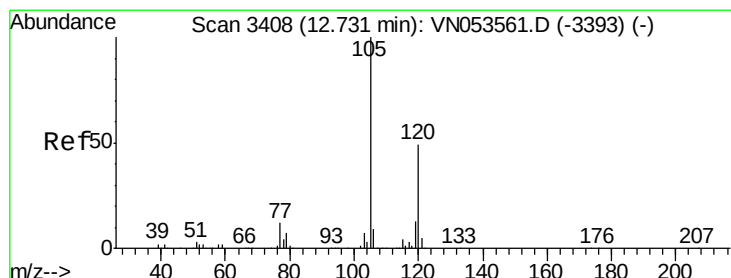
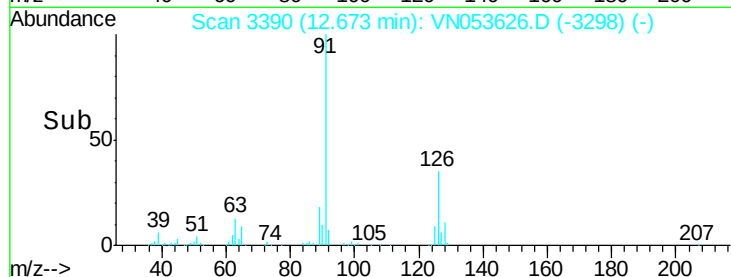
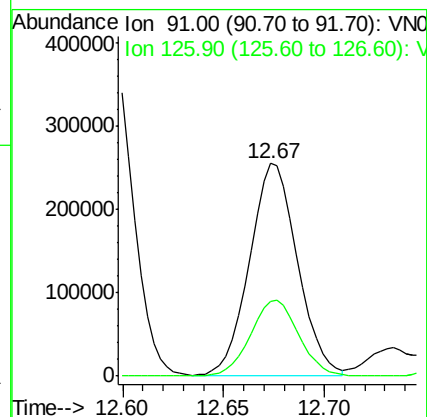
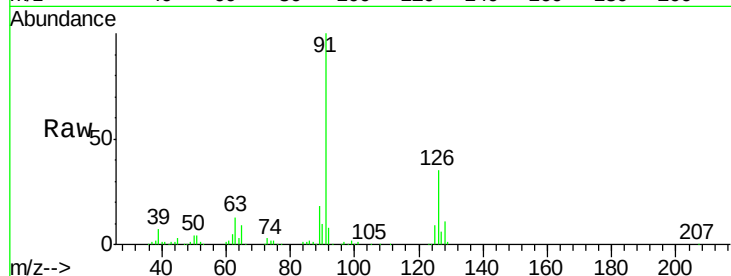
126 36.2 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.618 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053626.D

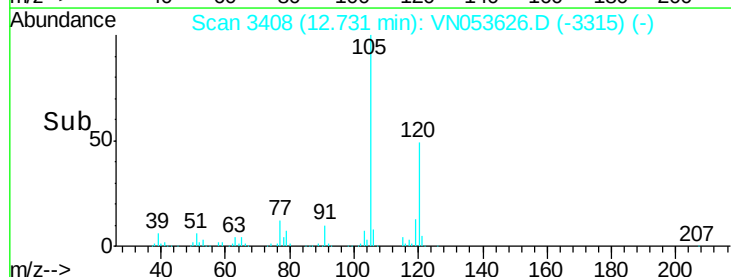
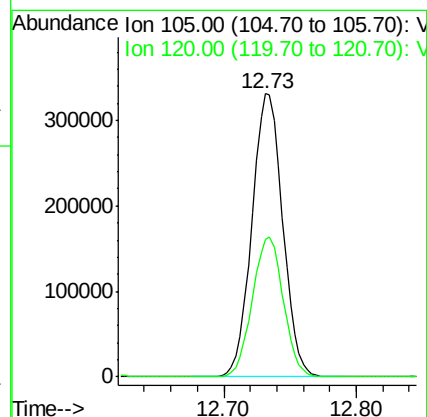
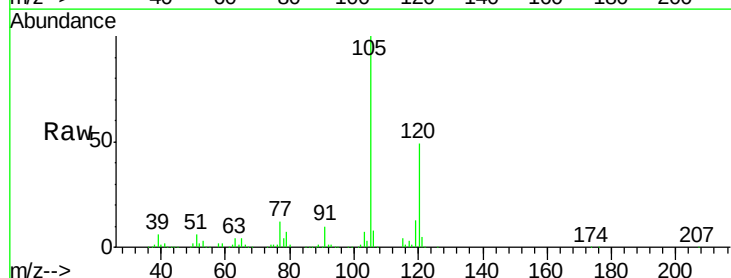
Acq: 6 Feb 2019 11:22

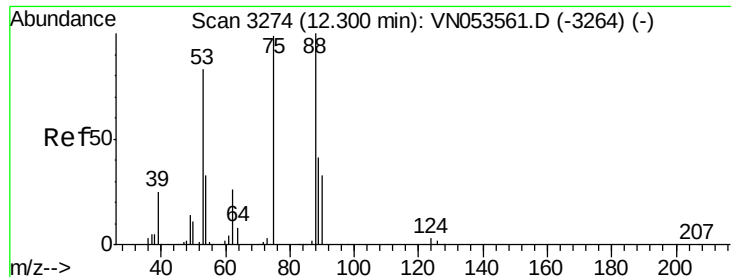
Tgt Ion: 105 Resp: 533884

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.216 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

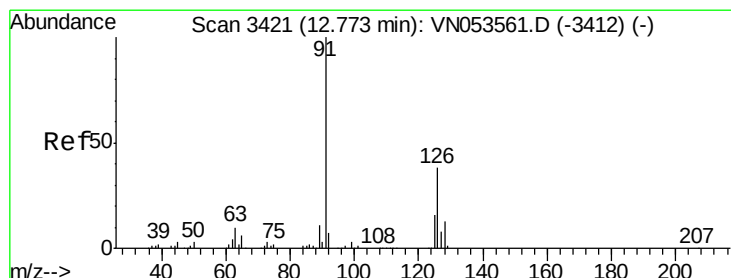
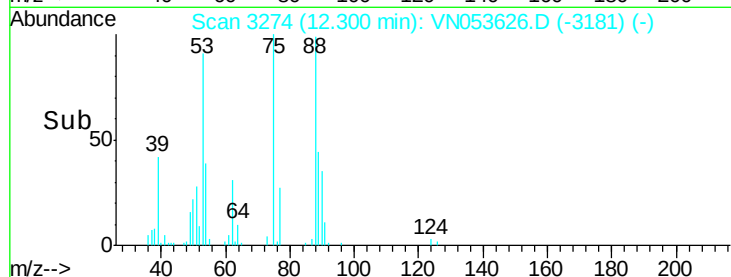
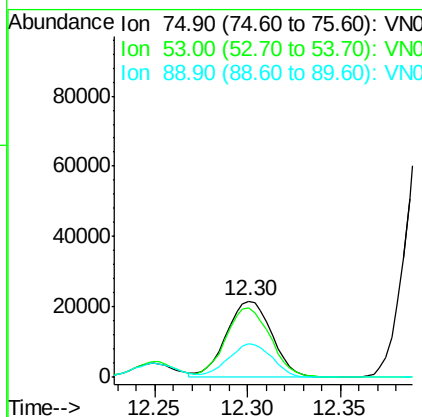
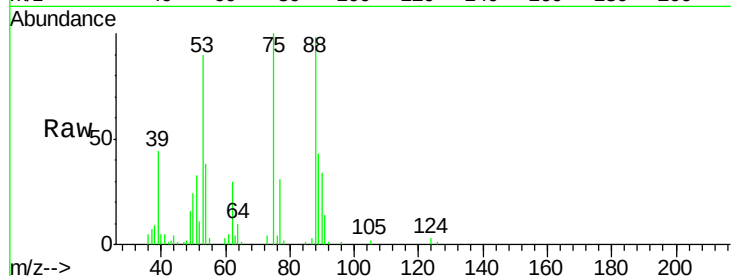
ClientSampleId :

VN0206WBS01

Tot Ion:	75	Resp:	36961
Ion	Ratio	Lower	Upper
75	100		
53	89.8	69.8	104.6
89	42.5	35.6	53.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.663 ug/l

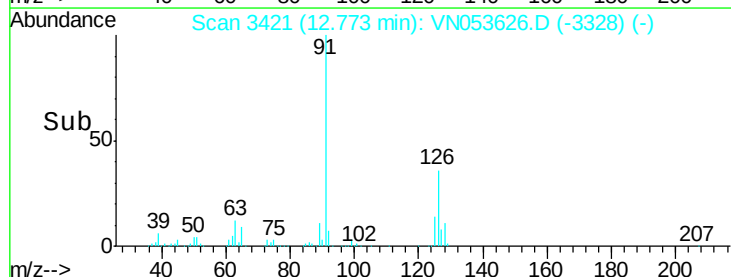
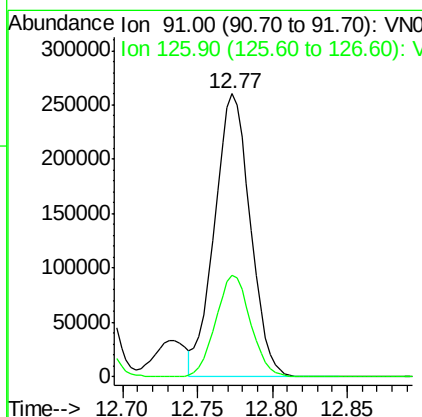
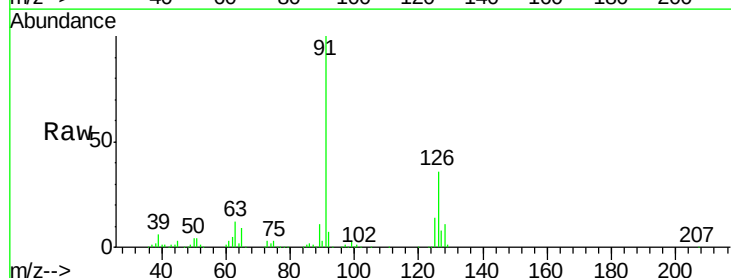
RT: 12.77 min Scan# 3421

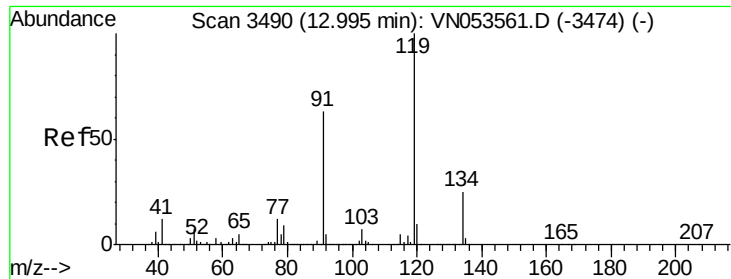
Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Tgt Ion:	91	Resp:	432118
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.9





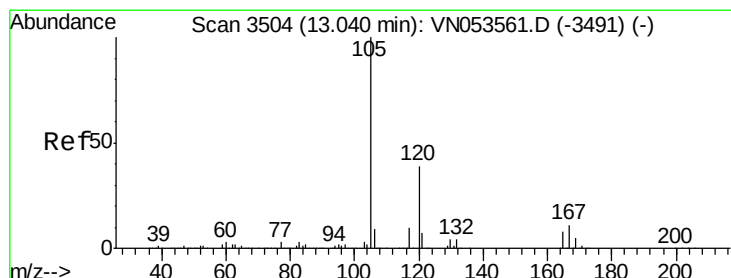
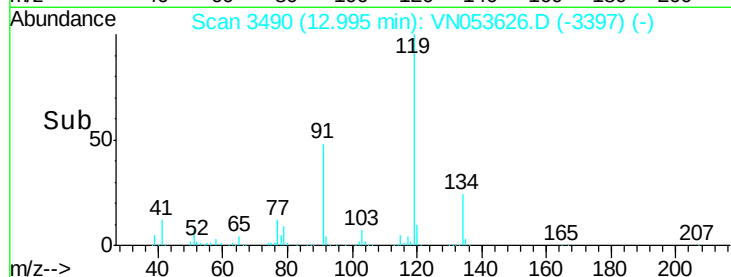
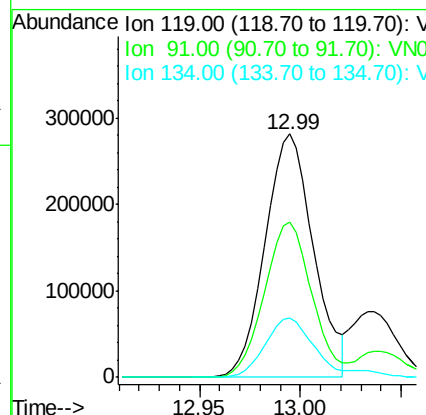
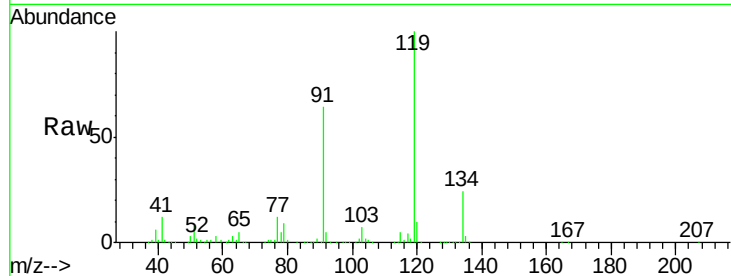
#83
 tert-Butylbenzene
 Concen: 20.577 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0206WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	470927		
91	62.8		31.3	93.8
134	26.0		12.9	38.7

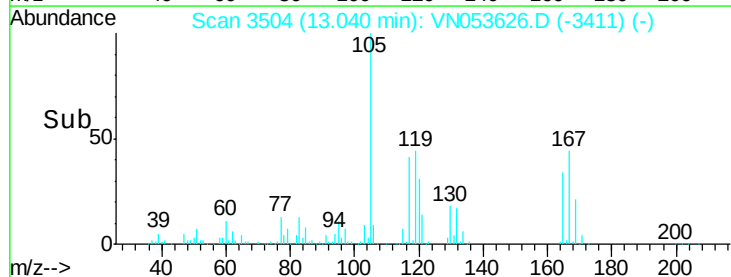
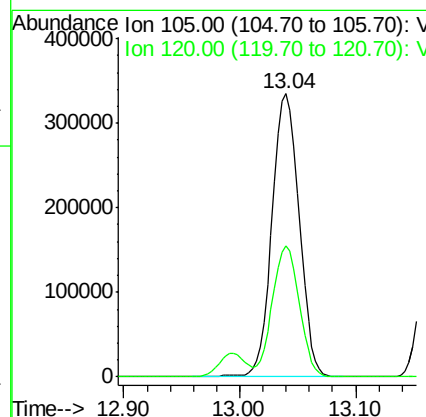
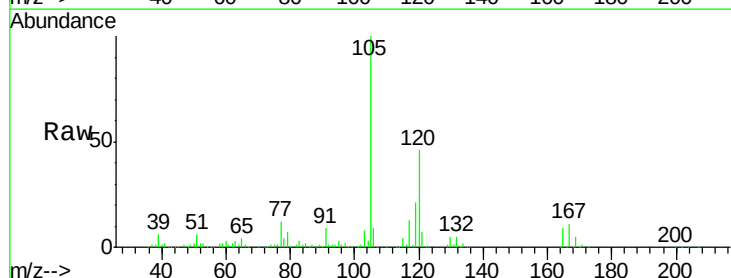
Manual Integrations
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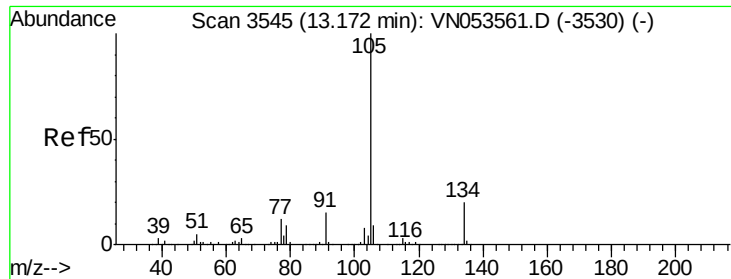
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.593 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	543279		
120	46.1		23.0	69.0





#85

sec-Butylbenzene

Concen: 20.705 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VN0206WBS01

Tot Ion:105 Resp: 644823

Ion Ratio Lower Upper

105 100

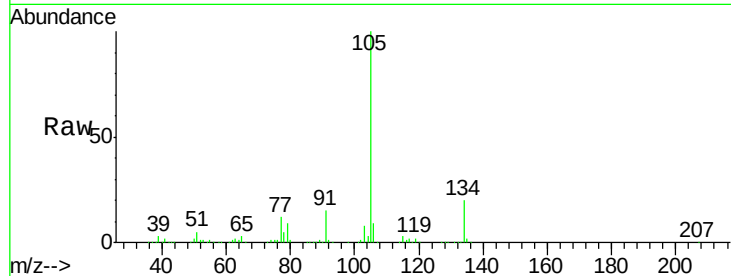
134 20.9 10.2 30.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

300000

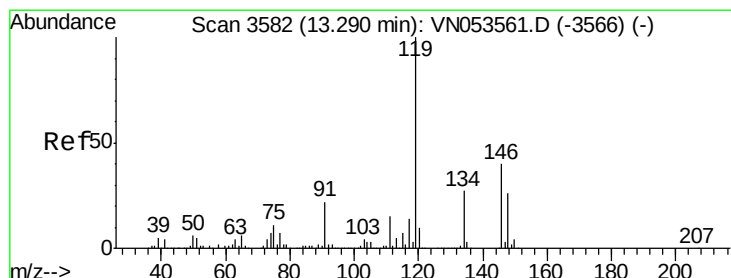
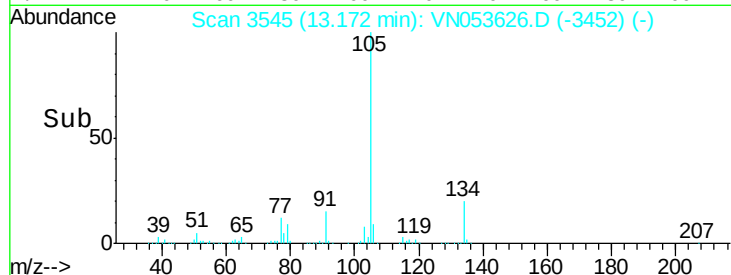
200000

100000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.585 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

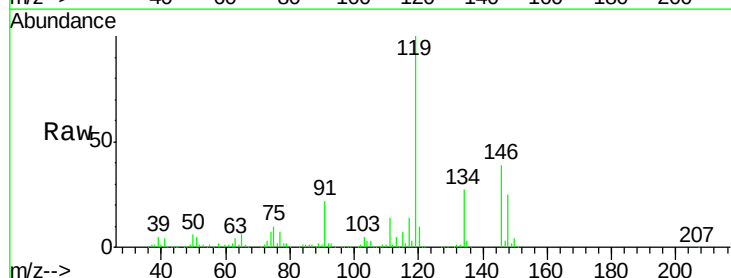
Tgt Ion:119 Resp: 560687

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.2 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

500000

400000

300000

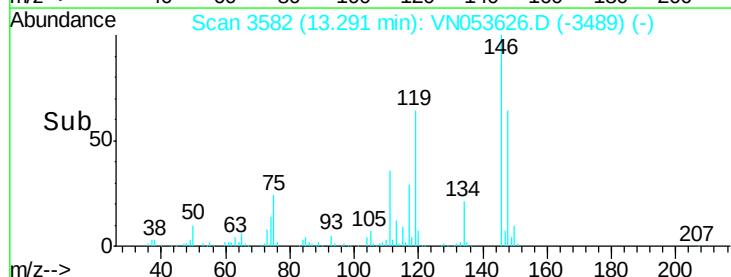
200000

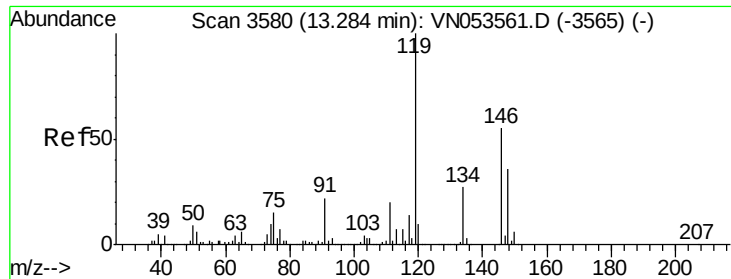
100000

0

Time-->

13.20 13.25 13.30 13.35





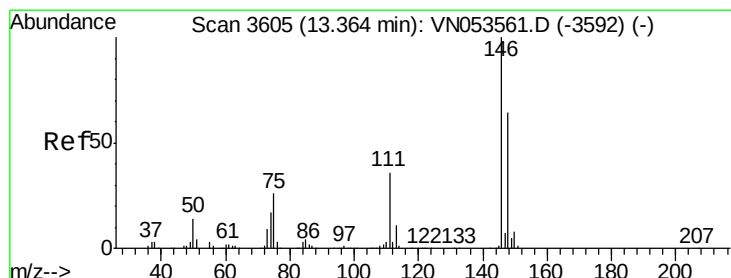
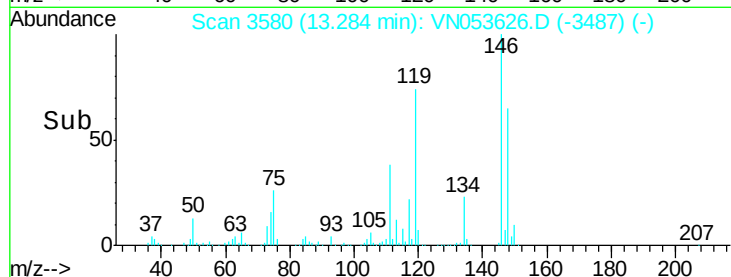
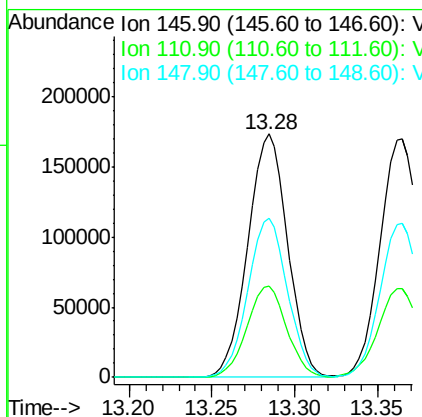
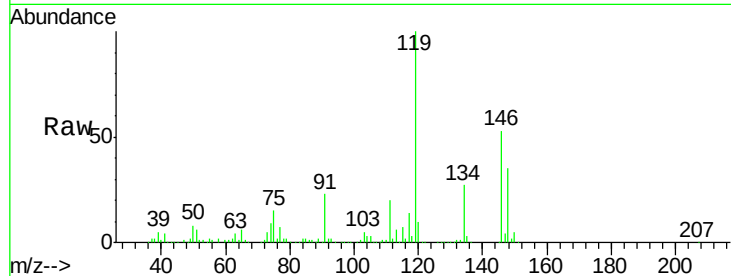
#87
 1,3-Dichlorobenzene
 Concen: 19.090 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	288809		
111	37.7	18.8	56.3	
148	65.2	32.0	96.2	

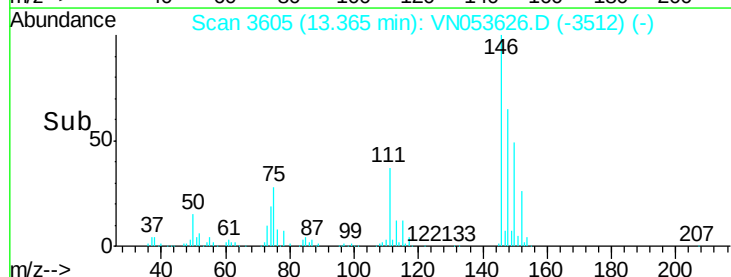
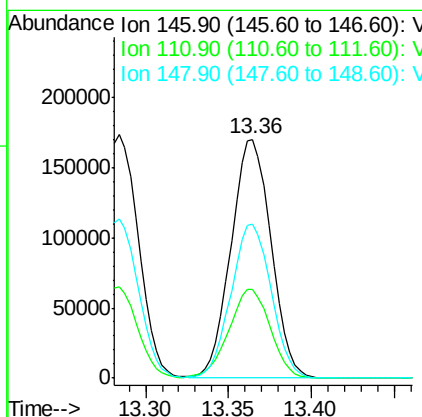
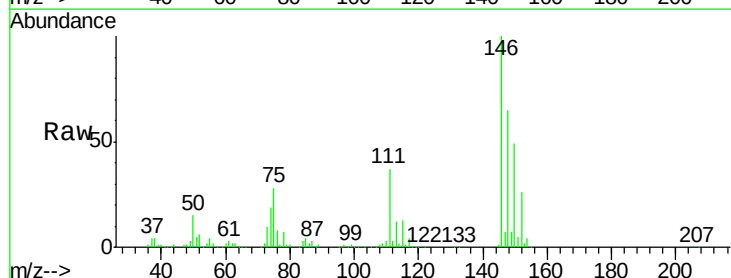
Manual Integrations
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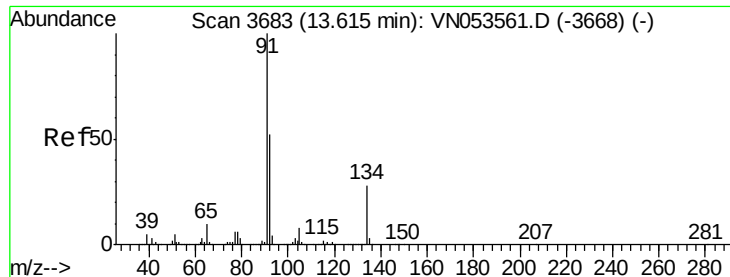
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 19.159 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	286715		
111	38.5	18.6	55.8	
148	64.9	32.4	97.0	





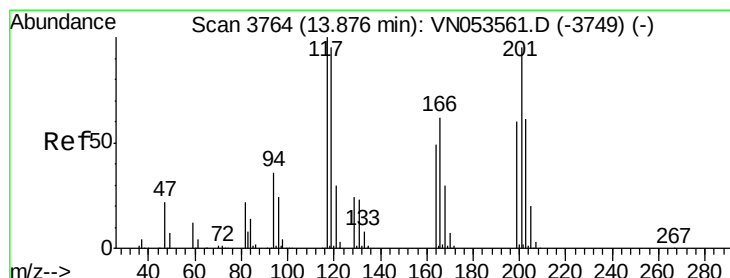
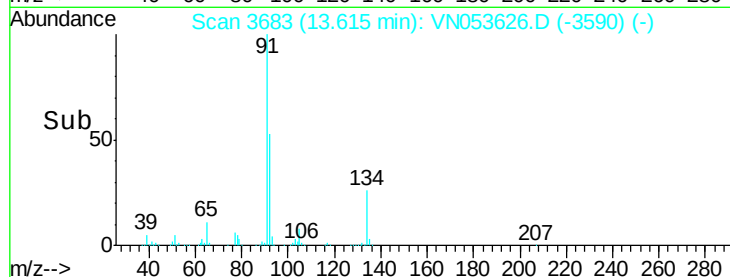
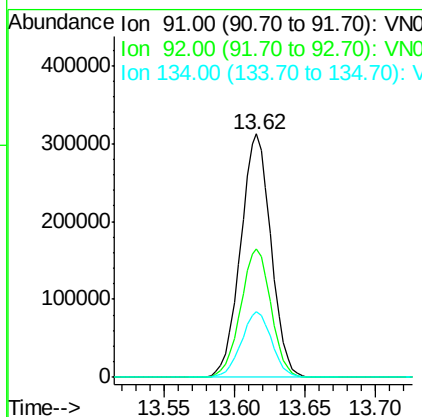
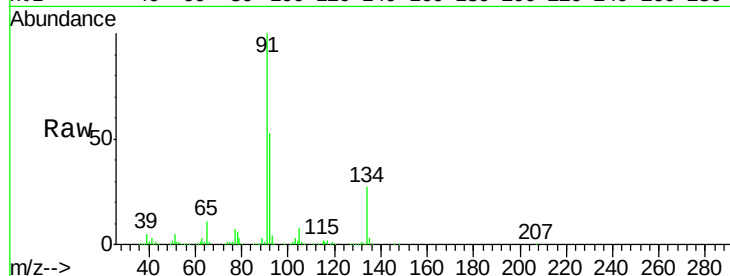
#89
n-Butylbenzene
Concen: 19.989 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.8
134	27.0	13.5	40.5

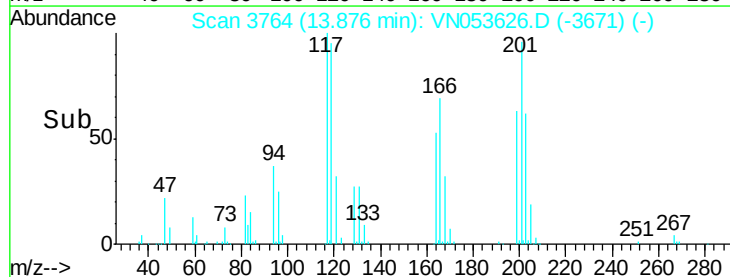
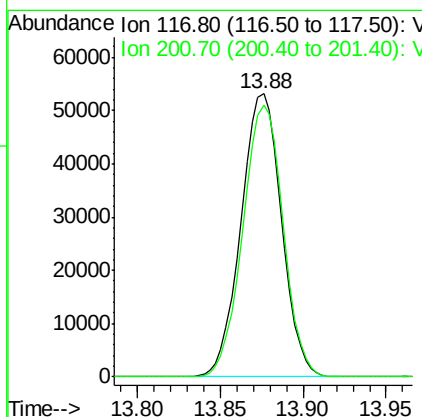
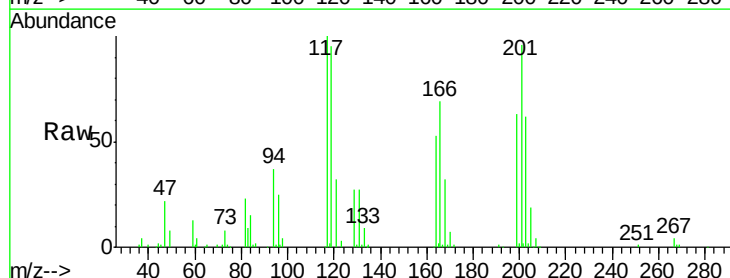
Manual Integrations
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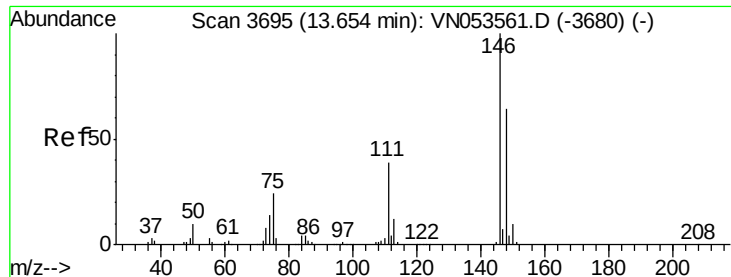
MMDadoda
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#90
Hexachloroethane
Concen: 20.148 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.3	46.8	140.4





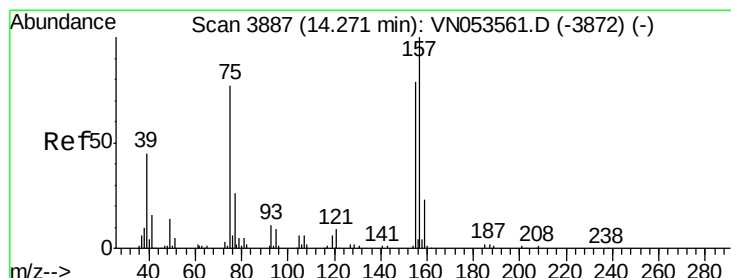
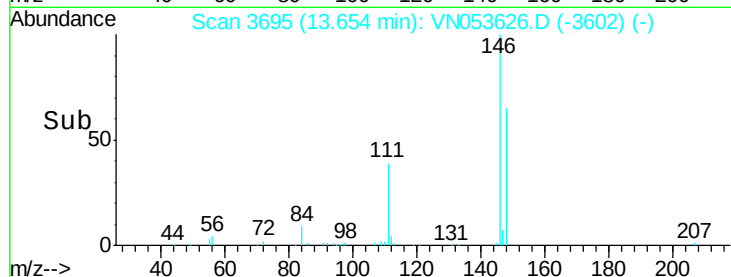
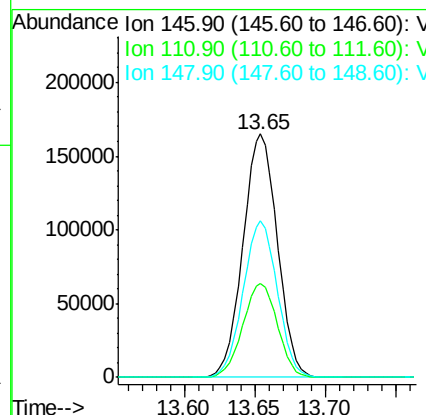
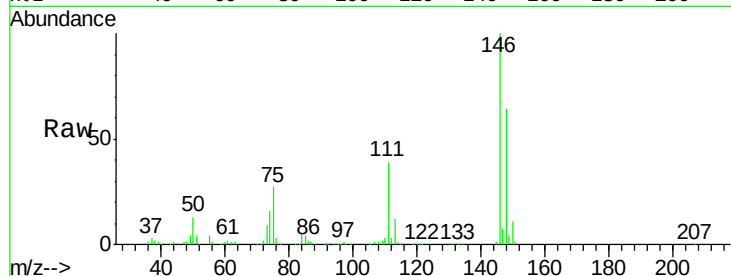
#91
 1,2-Dichlorobenzene
 Concen: 19.491 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0206WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.5	58.5
148	63.7	31.9	95.9

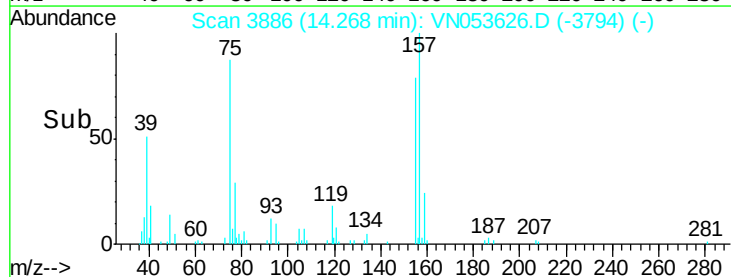
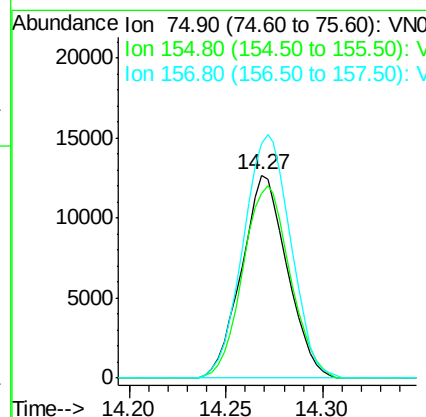
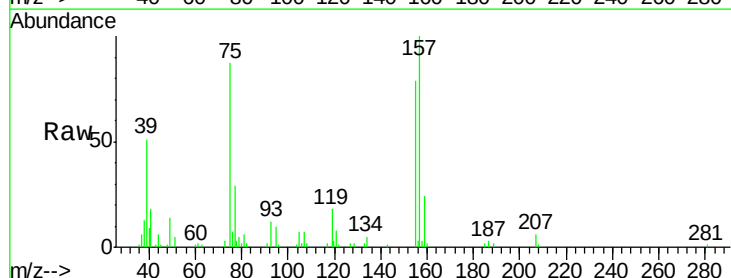
Manual Integrations
 APPROVED

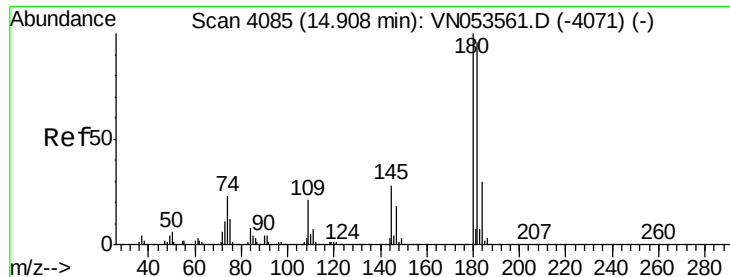
MMDadoda
 2/7/2019 11:04:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.529 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.9	48.9	146.7
157	124.8	63.7	191.3





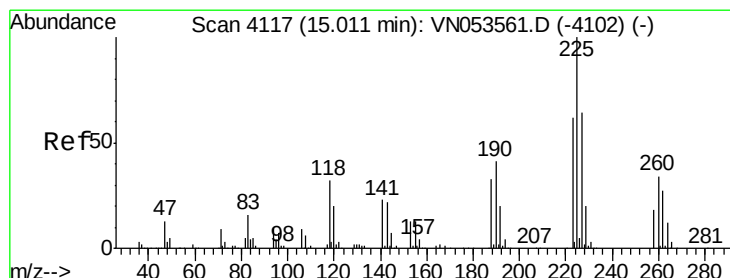
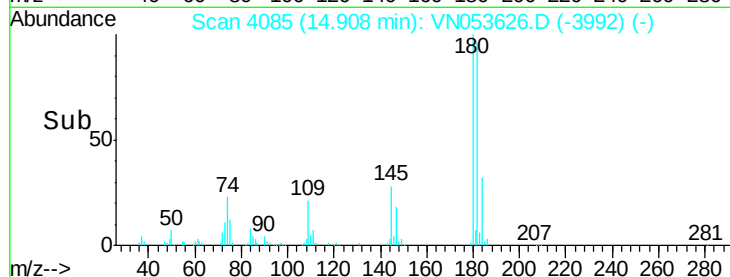
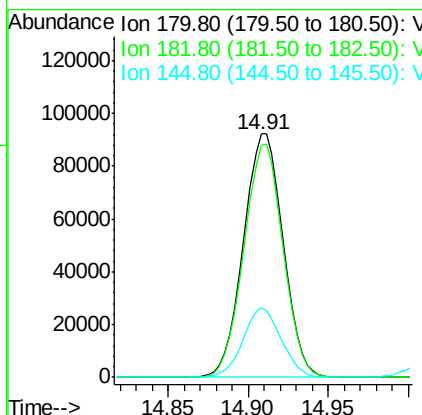
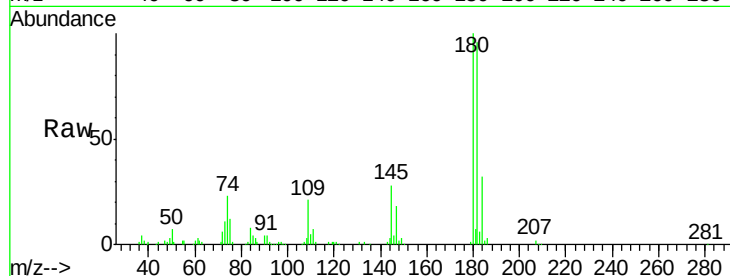
#93
 1,2,4-Trichlorobenzene
 Concen: 18.764 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0206WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	155867		
182	94.8	48.1	144.3	
145	27.4	13.9	41.6	

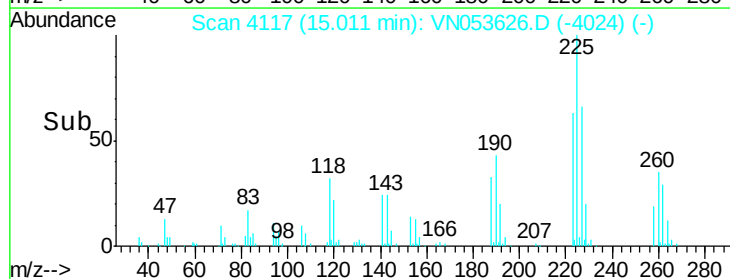
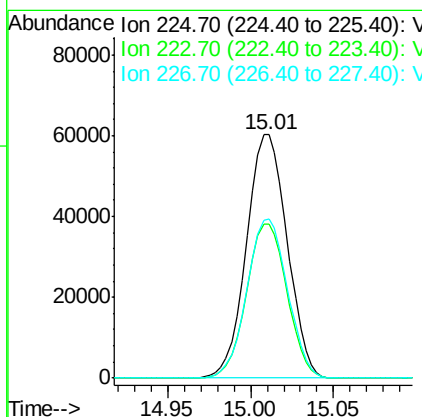
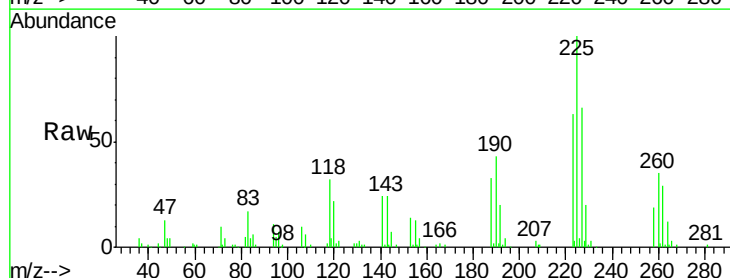
Manual Integrations
 APPROVED

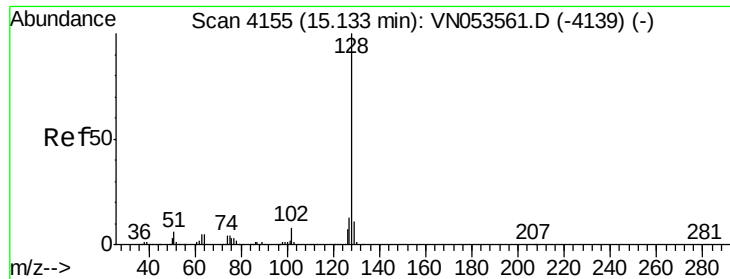
MMDadoda
 2/7/2019 11:04:16 AM



#94
 Hexachlorobutadiene
 Concen: 19.881 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102844		
223	63.1	31.1	93.2	
227	65.0	32.0	96.2	





#95

Naphthalene

Concen: 17.150 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

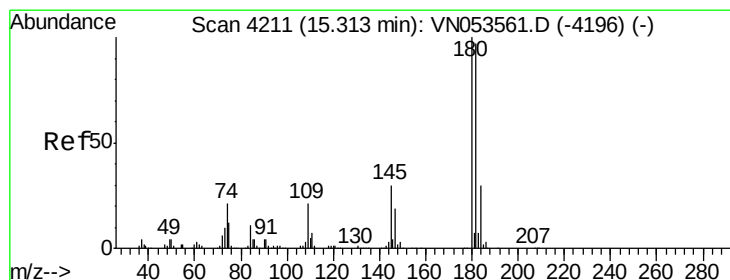
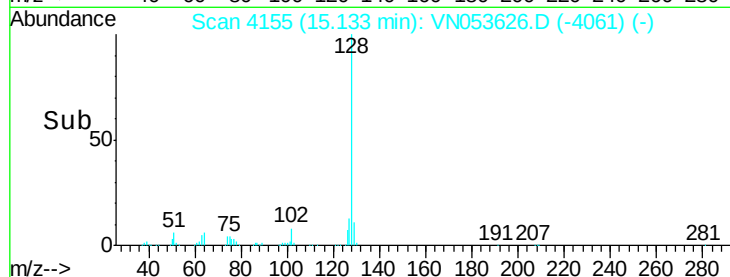
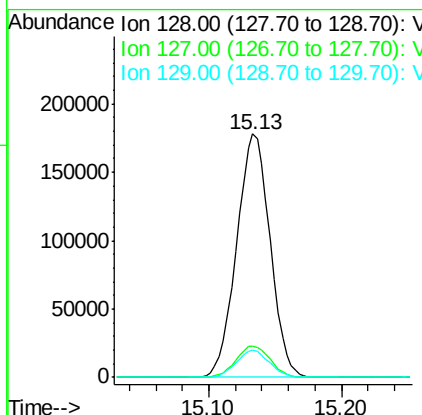
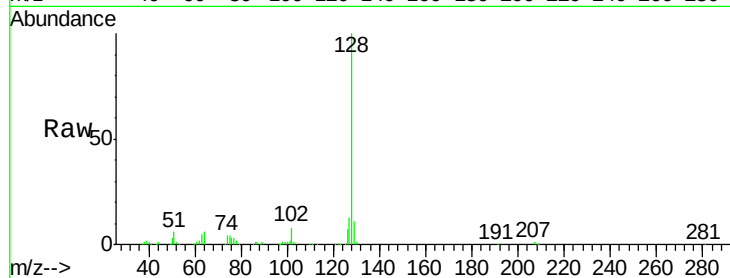
ClientSampled :

VN0206WBS01

Tot Ion:	128	Resp:	311588
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/7/2019 11:04:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.904 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Tgt Ion:	180	Resp:	145705
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.8
145	29.7	14.7	44.1

