

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120518\
 Data File : VN052667.D
 Acq On : 5 Dec 2018 11:06
 Operator : MD\SY
 Sample : VN1205WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Quant Time: Dec 06 04:25:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	974392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1480812	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1315801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	599088	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	550562	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
35) Dibromofluoromethane	7.59	113	496247	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	
50) Toluene-d8	10.09	98	1886922	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
62) 4-Bromofluorobenzene	12.40	95	641014	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	161353	17.685	ug/l 98
3) Chloromethane	2.06	50	204743	17.001	ug/l 99
4) Vinyl Chloride	2.19	62	218652	17.674	ug/l 98
5) Bromomethane	2.57	94	136612	17.698	ug/l 96
6) Chloroethane	2.71	64	133549	17.822	ug/l 100
7) Trichlorofluoromethane	3.02	101	288363	18.976	ug/l 99
8) Diethyl Ether	3.41	74	109384	19.492	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	186128	19.629	ug/l 98
10) Methyl Iodide	3.96	142	254381	20.142	ug/l 99
11) Tert butyl alcohol	4.78	59	56094	105.612	ug/l # 91
12) 1,1-Dichloroethene	3.74	96	168198	18.428	ug/l 96
13) Acrolein	3.61	56	72094	78.099	ug/l 99
14) Allyl chloride	4.33	41	293643	18.666	ug/l 98
15) Acrylonitrile	4.99	53	330066	98.171	ug/l 99
16) Acetone	3.82	43	293568	104.909	ug/l 100
17) Carbon Disulfide	4.06	76	469352	16.340	ug/l 100
18) Methyl Acetate	4.33	43	167739	20.897	ug/l 99
19) Methyl tert-butyl Ether	5.04	73	479451	19.743	ug/l 100
20) Methylene Chloride	4.55	84	199870	18.252	ug/l 100
21) trans-1,2-Dichloroethene	5.04	96	181650	18.634	ug/l 97
22) Diisopropyl ether	5.95	45	634295	19.195	ug/l 96
23) Vinyl Acetate	5.90	43	1951769	94.831	ug/l 99
24) 1,1-Dichloroethane	5.85	63	362257	19.201	ug/l 99
25) 2-Butanone	6.83	43	394887	99.560	ug/l 97
26) 2,2-Dichloropropane	6.82	77	264343	20.242	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	215986	19.020	ug/l 99
28) Bromochloromethane	7.19	49	166726	19.347	ug/l 97
29) Tetrahydrofuran	7.21	42	240669	94.075	ug/l 97
30) Chloroform	7.37	83	354057	18.809	ug/l 96
31) Cyclohexane	7.65	56	335414	18.135	ug/l 95
32) 1,1,1-Trichloroethane	7.57	97	292365	19.603	ug/l 99
36) 1,1-Dichloropropene	7.80	75	271848	19.440	ug/l 99
37) Ethyl Acetate	6.93	43	162553	19.047	ug/l 99
38) Carbon Tetrachloride	7.77	117	252550	19.950	ug/l 99

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 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	327119	19.246	ug/l	99
40) Benzene	8.04	78	819214	19.658	ug/l	99
41) Methacrylonitrile	7.17	41	79746	17.092	ug/l #	87
42) 1,2-Dichloroethane	8.12	62	249645	19.784	ug/l	99
43) Isopropyl Acetate	8.16	43	302975	20.978	ug/l	98
44) Trichloroethene	8.83	130	213670	20.016	ug/l	99
45) 1,2-Dichloropropane	9.12	63	220549	19.906	ug/l	99
46) Dibromomethane	9.21	93	125120	20.399	ug/l	99
47) Bromodichloromethane	9.40	83	268009	20.098	ug/l	98
48) Methyl methacrylate	9.20	41	148365	19.701	ug/l	99
49) 1,4-Dioxane	9.20	88	34517	441.646	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	832318	102.715	ug/l	100
52) Toluene	10.16	92	497986	20.112	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	260698	20.321	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	308163	20.045	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	182347	20.936	ug/l	95
56) Ethyl methacrylate	10.43	69	223102	20.147	ug/l	99
57) 1,3-Dichloropropane	10.71	76	307036	19.965	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	648766	102.655	ug/l	98
59) 2-Hexanone	10.75	43	572890	105.340	ug/l	99
60) Dibromochloromethane	10.90	129	197262	20.853	ug/l	98
61) 1,2-Dibromoethane	11.01	107	175586	20.298	ug/l	100
64) Tetrachloroethene	10.63	164	212307	20.811	ug/l	99
65) Chlorobenzene	11.43	112	539569	19.887	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	194982	20.668	ug/l	100
67) Ethyl Benzene	11.51	91	949560	19.986	ug/l	100
68) m/p-Xylenes	11.62	106	718550	40.624	ug/l	99
69) o-Xylene	11.95	106	348793	20.307	ug/l	100
70) Styrene	11.96	104	560980	20.505	ug/l	99
71) Bromoform	12.13	173	131635	21.074	ug/l #	100
73) Isopropylbenzene	12.25	105	938351	19.964	ug/l	99
74) N-amyl acetate	12.07	43	231826	19.523	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	215540	20.159	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	259806	28.123	ug/l #	100
77) Bromobenzene	12.53	156	229342	19.741	ug/l	99
78) n-propylbenzene	12.59	91	1077189	20.173	ug/l	100
79) 2-Chlorotoluene	12.68	91	632620	19.895	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	767121	20.464	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54442	19.680	ug/l	99
82) 4-Chlorotoluene	12.77	91	639961	19.969	ug/l	100
83) tert-Butylbenzene	12.99	119	678002	20.288	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	766764	20.410	ug/l	100
85) sec-Butylbenzene	13.17	105	929245	20.415	ug/l	100
86) p-Isopropyltoluene	13.29	119	797995	20.583	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	410168	20.184	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	399147	19.940	ug/l	99
89) n-Butylbenzene	13.62	91	654635	20.304	ug/l	100
90) Hexachloroethane	13.88	117	132274	20.150	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	398447	20.522	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30852	20.175	ug/l	98

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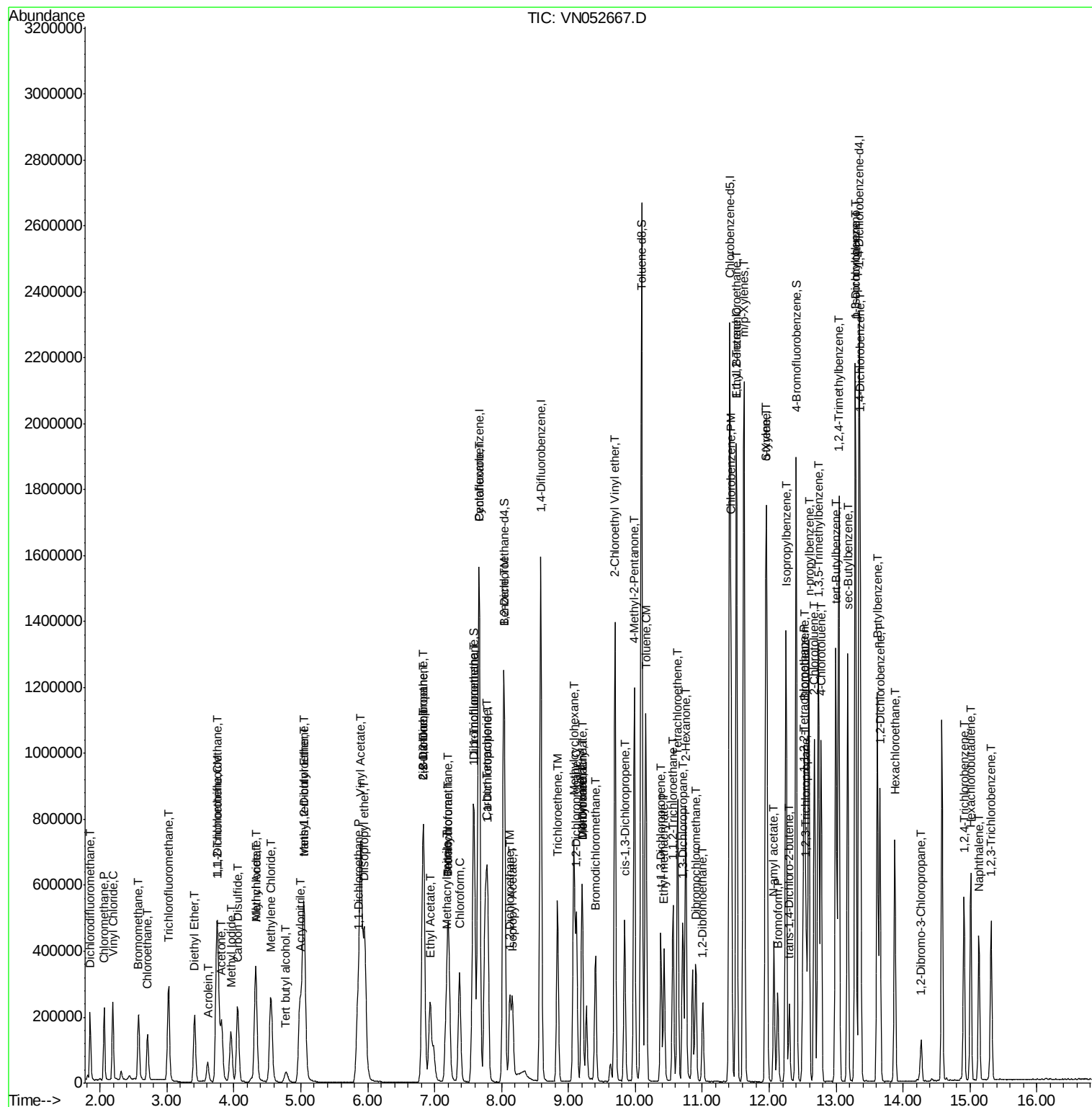
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	189986	19.681	ug/l	99
94) Hexachlorobutadiene	15.01	225	131981	21.130	ug/l	99
95) Naphthalene	15.13	128	380173	19.128	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	181520	20.277	ug/l	99

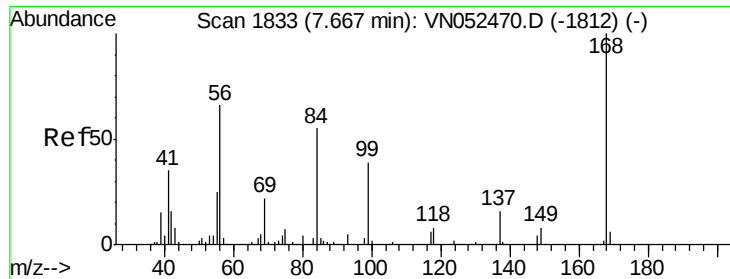
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QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

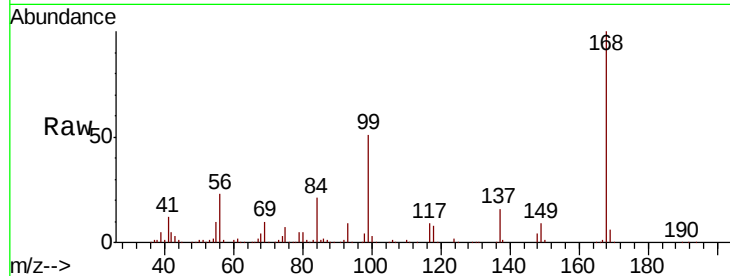
VN1205WBS01

Tot Ion:168 Resp: 974392

Ion Ratio Lower Upper

168 100

99 51.1 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

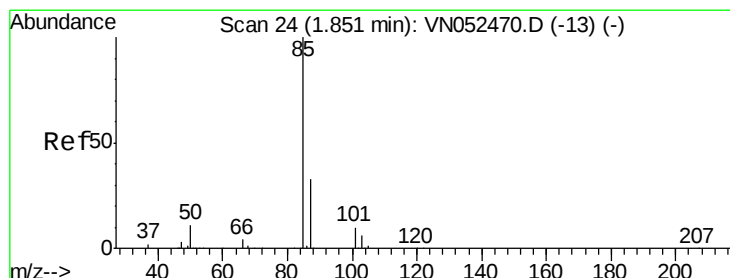
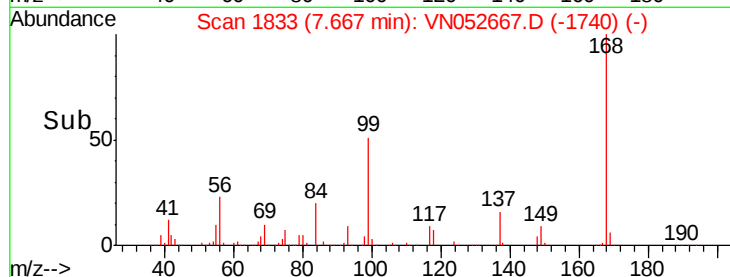
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.685 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052667.D

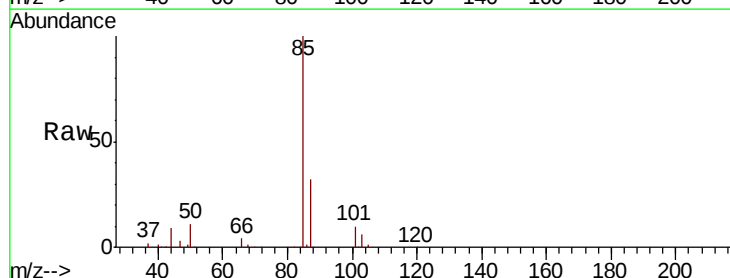
Acq: 5 Dec 2018 11:06

Tgt Ion: 85 Resp: 161353

Ion Ratio Lower Upper

85 100

87 32.1 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

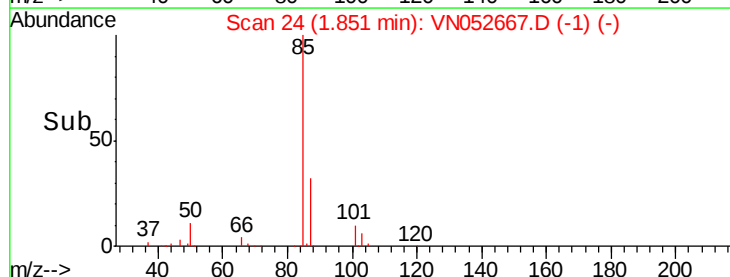
100000

50000

0

1.80 1.85 1.90 1.95

Time-->

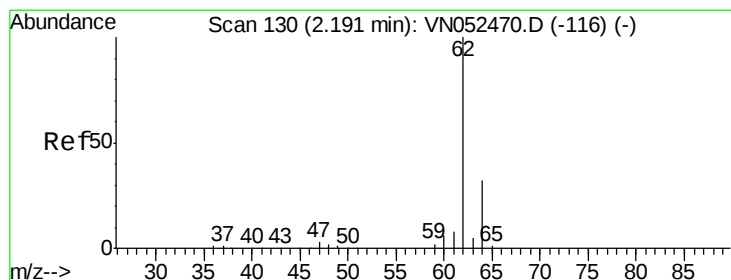
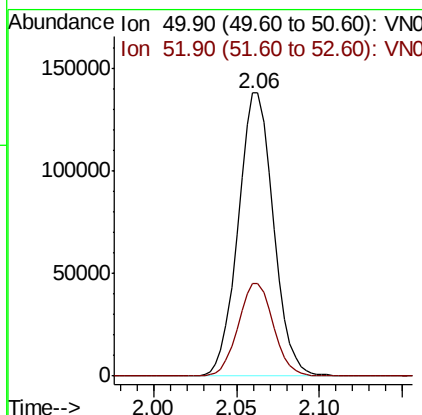
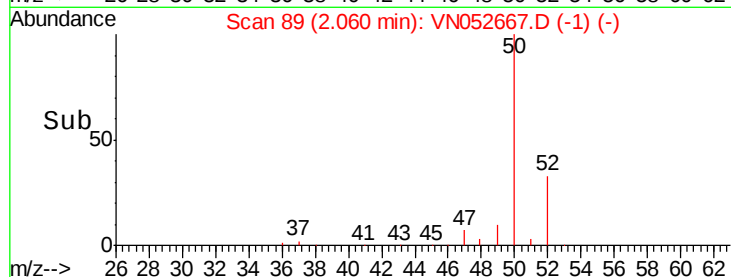
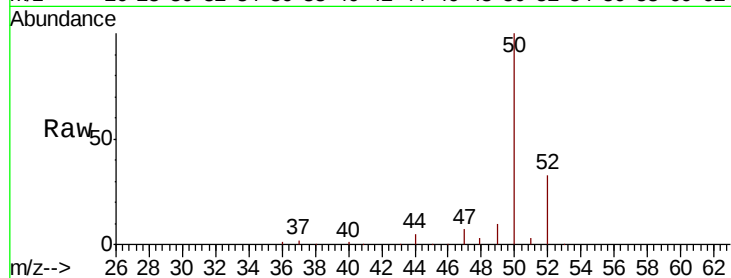




#3
 Chloromethane
 Concen: 17.001 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

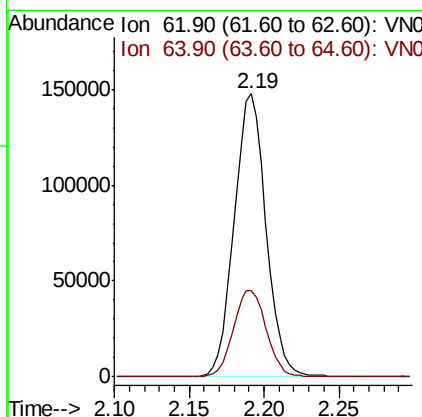
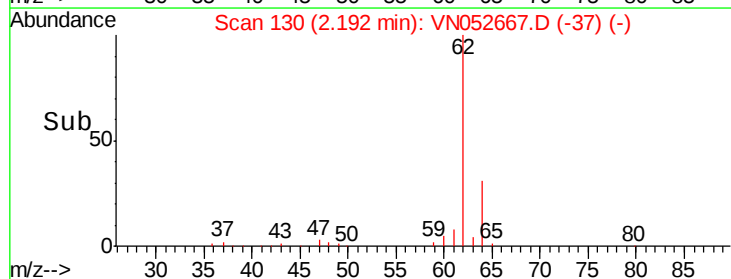
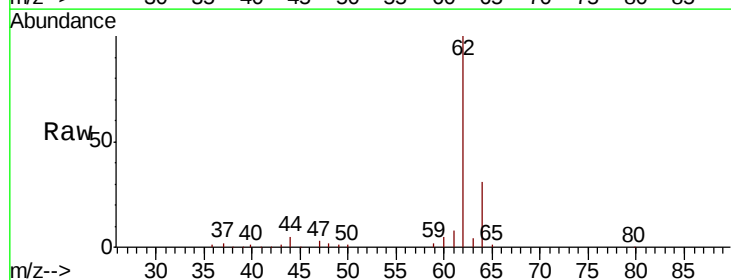
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

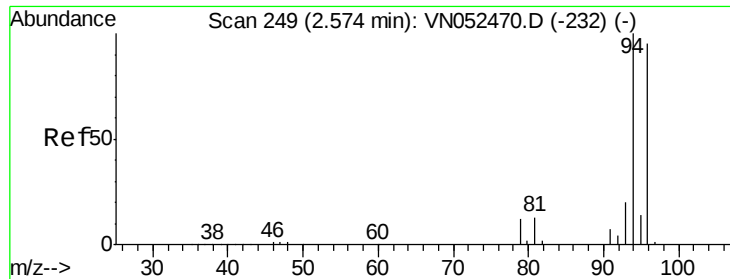
Tot Ion: 50 Resp: 204743
 Ion Ratio Lower Upper
 50 100
 52 32.8 25.9 38.9



#4
 Vinyl Chloride
 Concen: 17.674 ug/l
 RT: 2.19 min Scan# 130
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion: 62 Resp: 218652
 Ion Ratio Lower Upper
 62 100
 64 30.7 25.4 38.2





#5

Bromomethane

Concen: 17.698 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

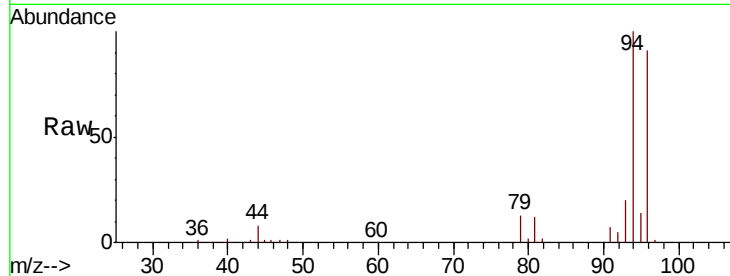
VN1205WBS01

Tot Ion: 94 Resp: 136612

Ion Ratio Lower Upper

94 100

96 90.6 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

80000

60000

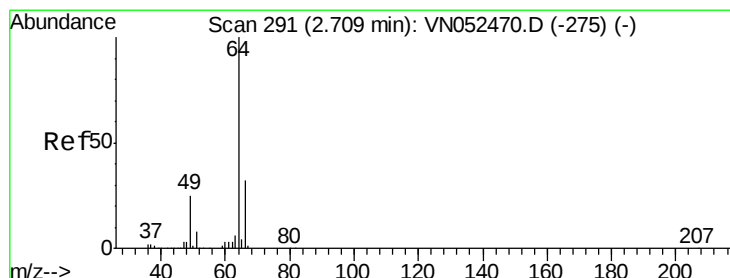
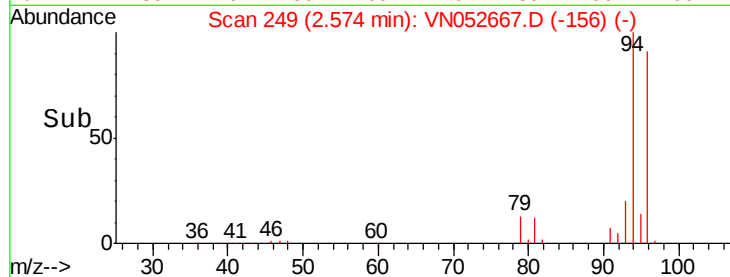
40000

20000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 17.822 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052667.D

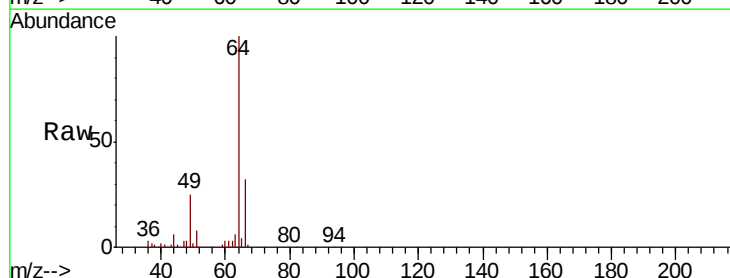
Acq: 5 Dec 2018 11:06

Tgt Ion: 64 Resp: 133549

Ion Ratio Lower Upper

64 100

66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

80000

60000

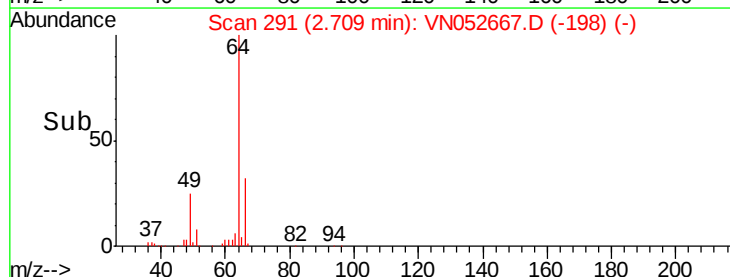
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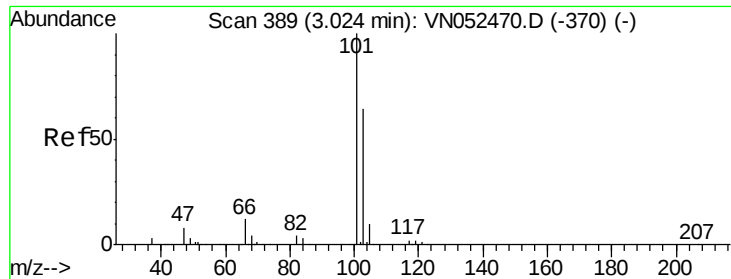
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0

Time-->

2.65 2.70 2.75 2.80



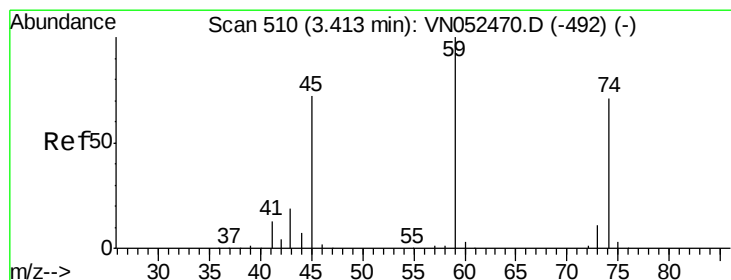
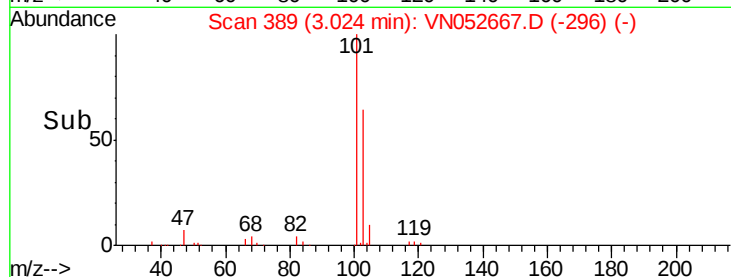
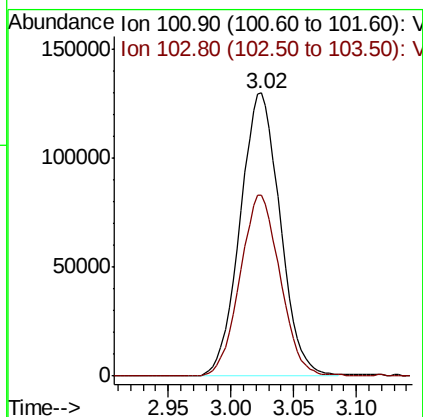
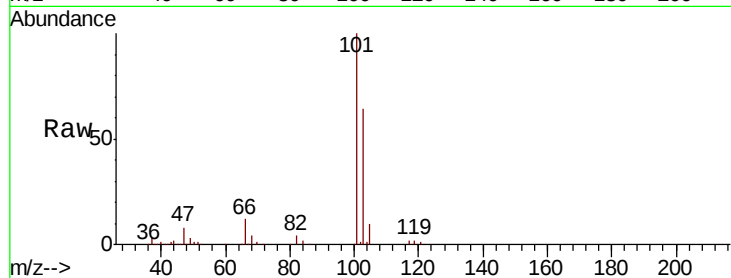


#7

Trichlorofluoromethane
 Concen: 18.976 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Instrument :
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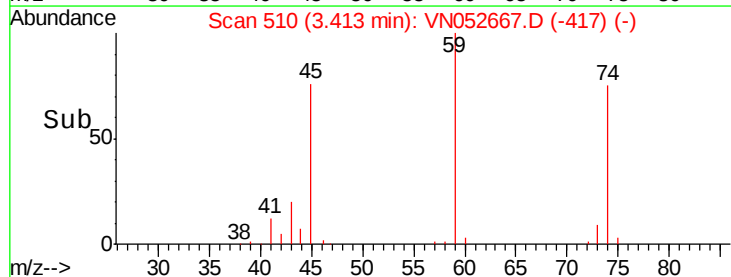
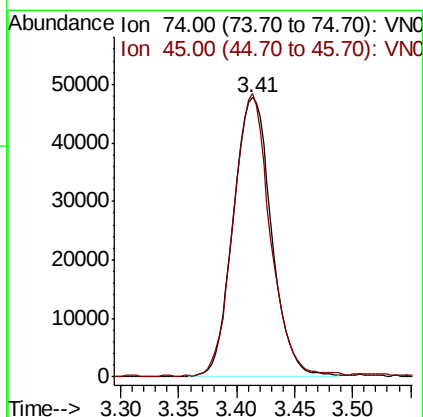
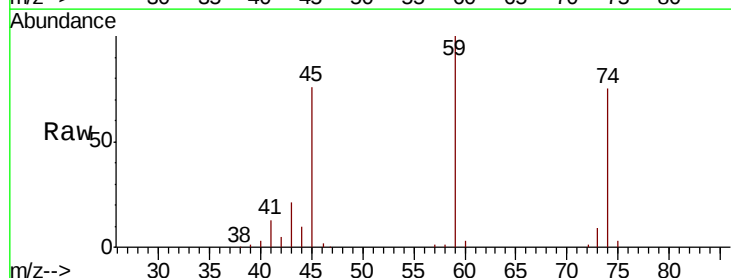
Tot Ion:101 Resp: 288363
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.4 77.2



#8

Diethyl Ether
 Concen: 19.492 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion: 74 Resp: 109384
 Ion Ratio Lower Upper
 74 100
 45 97.1 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.629 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

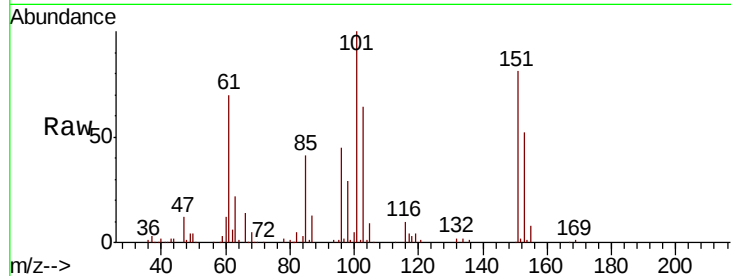
Tot Ion:101 Resp: 186128

Ion Ratio Lower Upper

101 100

85 41.8 34.2 51.4

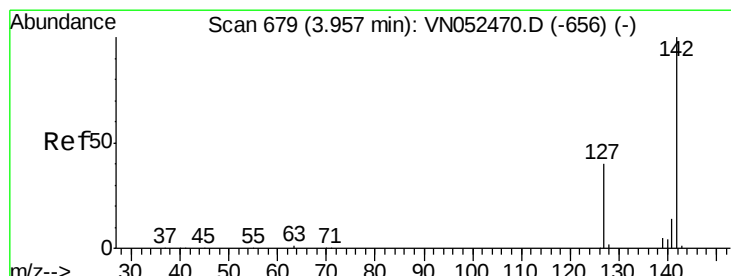
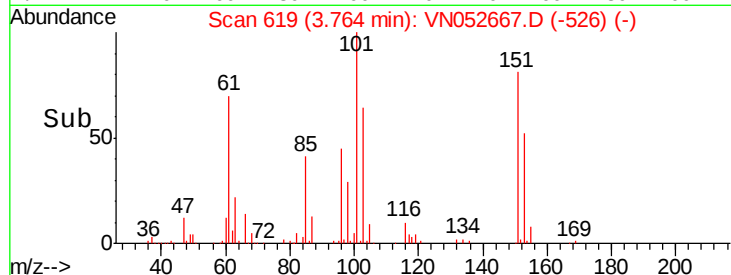
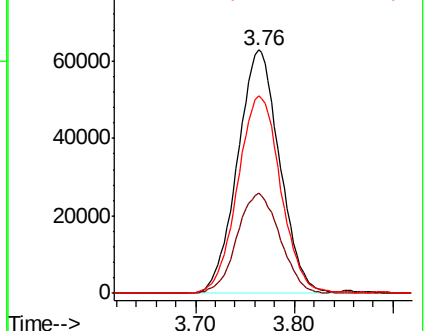
151 82.7 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.142 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

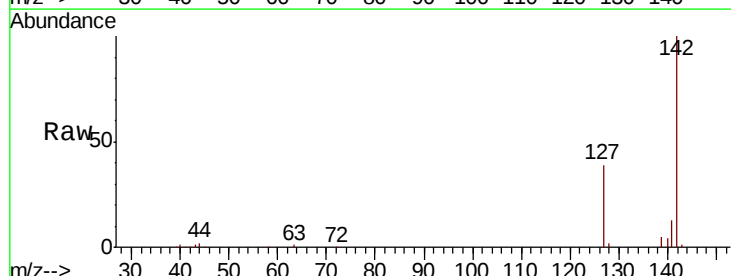
Tgt Ion:142 Resp: 254381

Ion Ratio Lower Upper

142 100

127 39.3 31.8 47.6

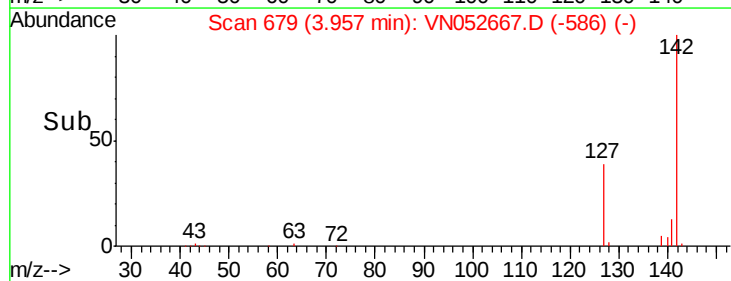
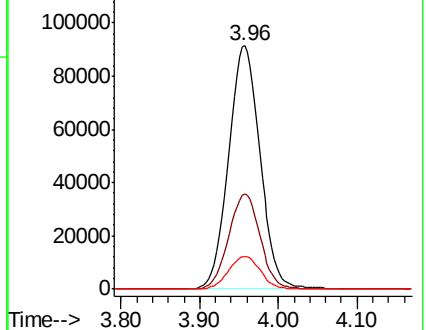
141 13.6 11.4 17.0

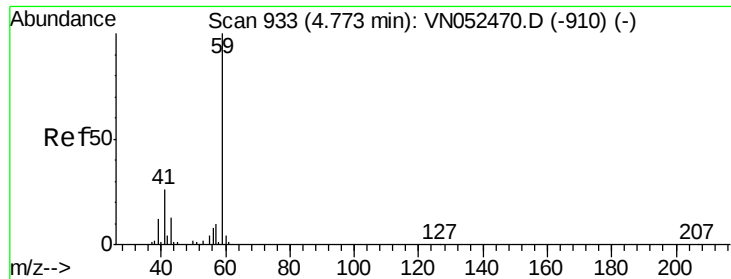


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



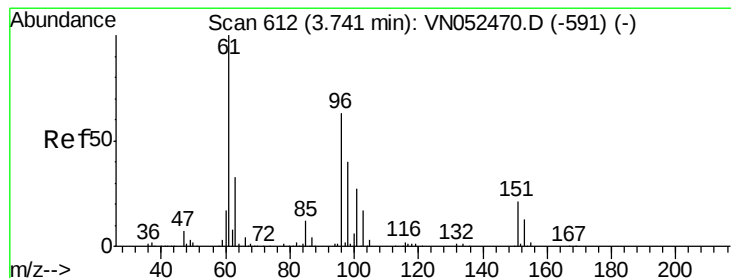
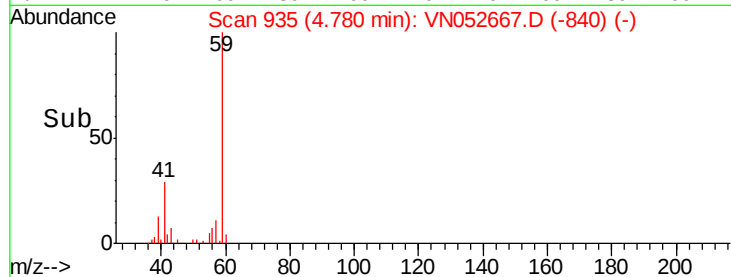
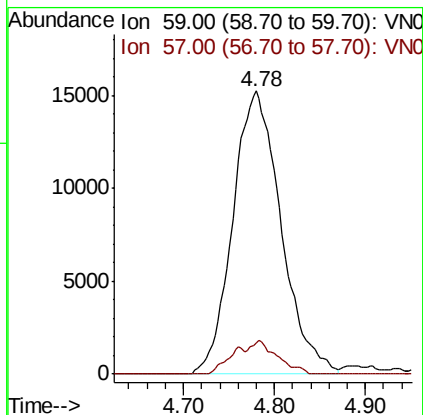
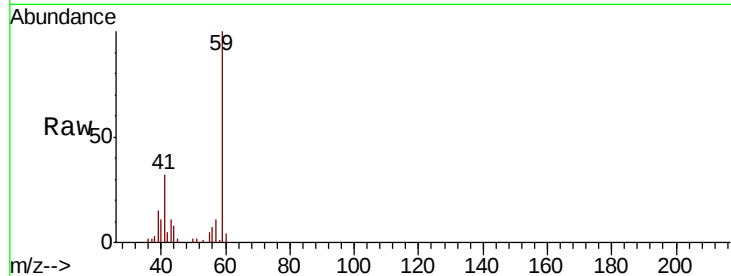


#11

Tert butyl alcohol
 Concen: 105.612 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

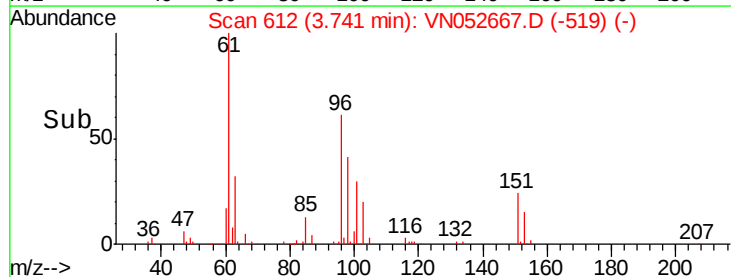
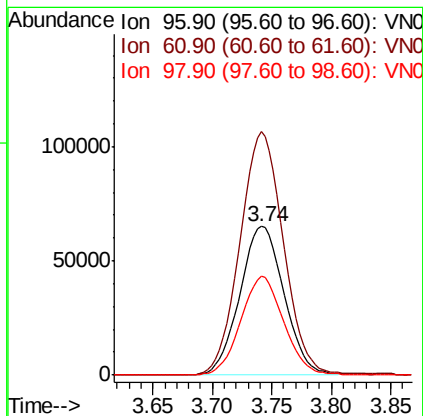
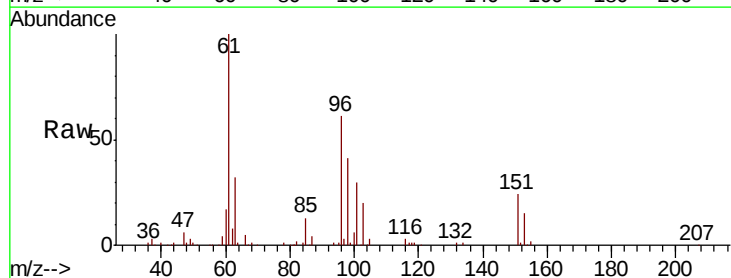
Tot Ion: 59 Resp: 56094
 Ion Ratio Lower Upper
 59 100
 57 6.6 7.9 11.9#

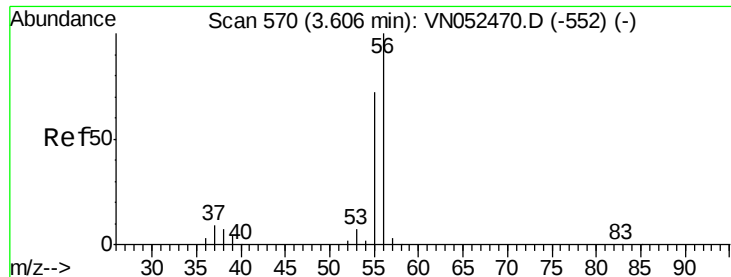


#12

1,1-Dichloroethene
 Concen: 18.428 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion: 96 Resp: 168198
 Ion Ratio Lower Upper
 96 100
 61 163.6 127.0 190.6
 98 66.4 50.3 75.5

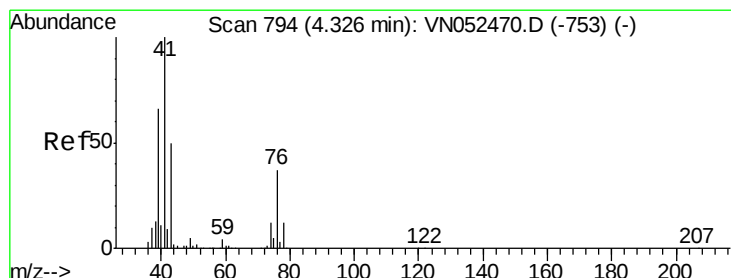
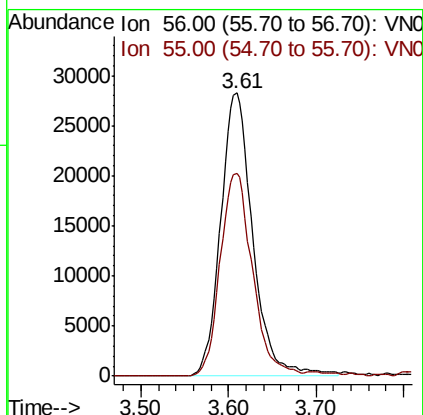
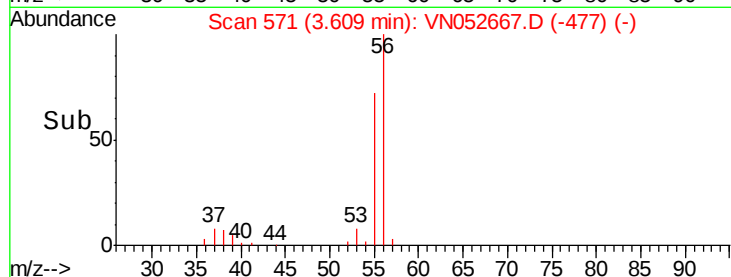
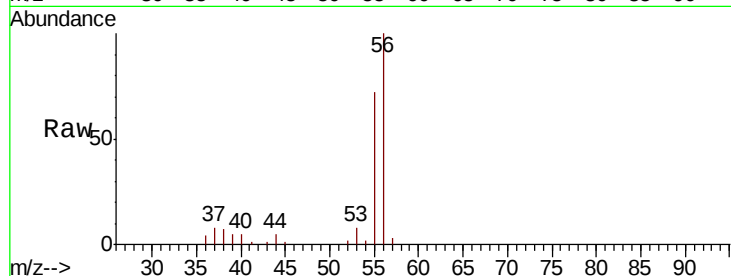




#13
 Acrolein
 Concen: 78.099 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

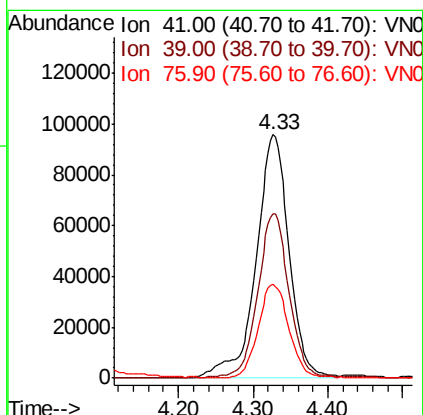
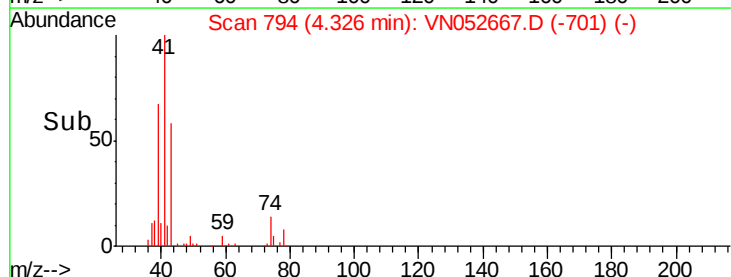
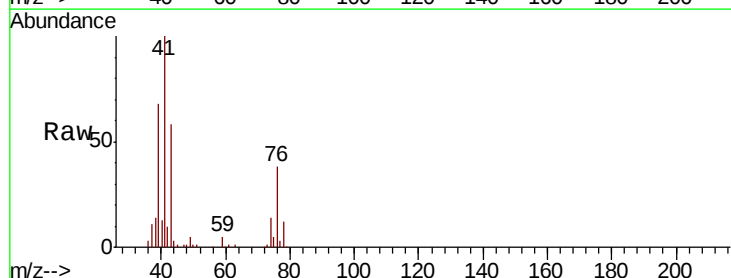
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Tot Ion: 56 Resp: 72094
 Ion Ratio Lower Upper
 56 100
 55 71.9 56.8 85.2



#14
 Allyl chloride
 Concen: 18.666 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion: 41 Resp: 293643
 Ion Ratio Lower Upper
 41 100
 39 64.5 50.6 76.0
 76 35.4 27.4 41.2





#15

Acrylonitrile

Concen: 98.171 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

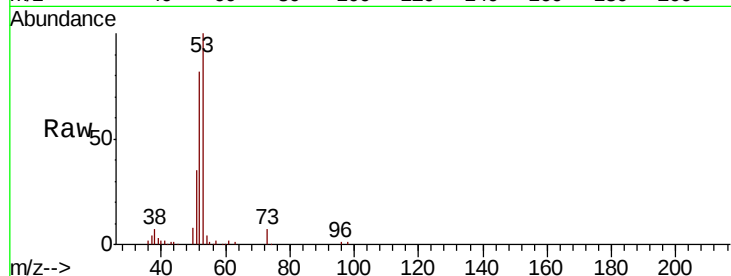
Tot Ion: 53 Resp: 330066

Ion Ratio Lower Upper

53 100

52 81.6 66.2 99.2

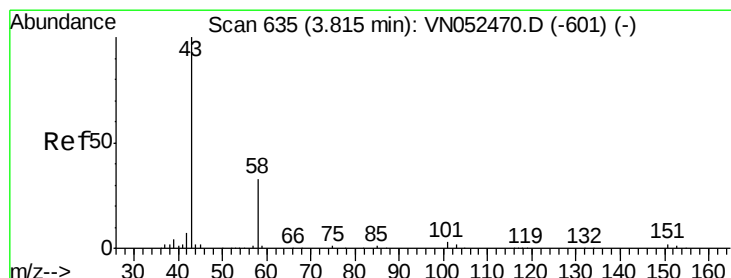
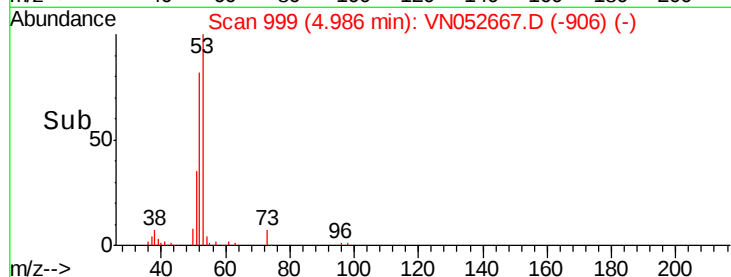
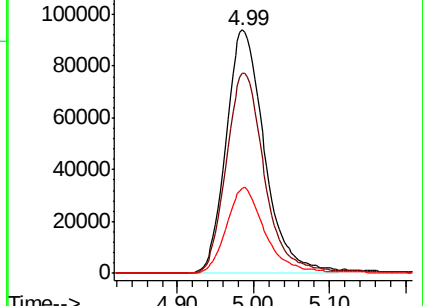
51 35.5 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052470.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN052470.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN052470.D (-976) (-)



#16

Acetone

Concen: 104.909 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052667.D

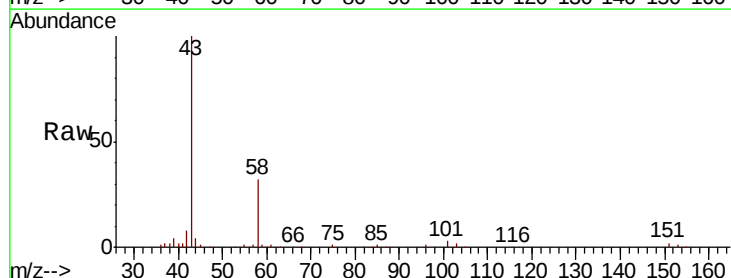
Acq: 5 Dec 2018 11:06

Tgt Ion: 43 Resp: 293568

Ion Ratio Lower Upper

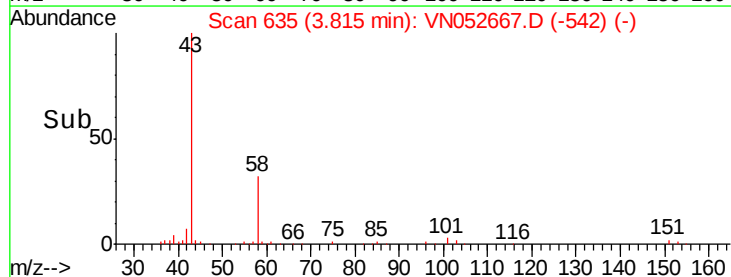
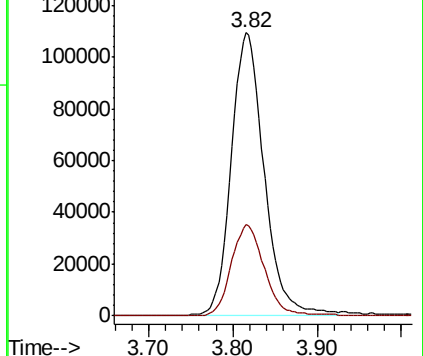
43 100

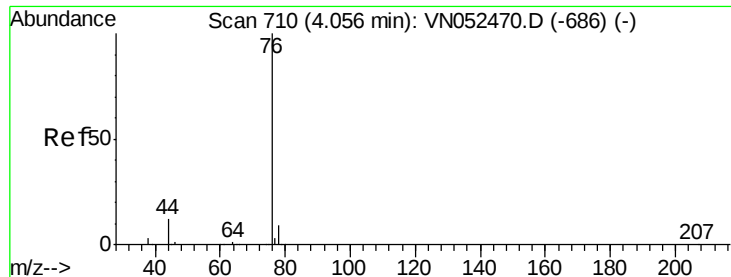
58 32.3 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-601) (-)





#17

Carbon Disulfide

Concen: 16.340 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

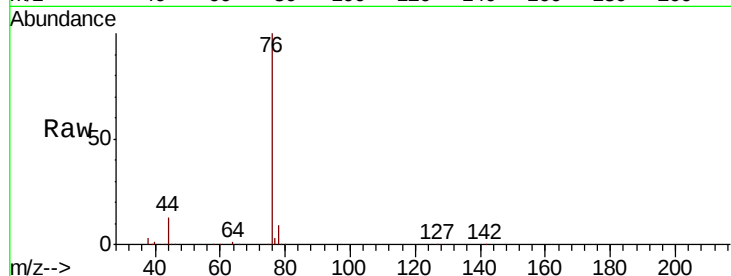
VN1205WBS01

Tot Ion: 76 Resp: 469352

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN052470.D (-686) (-)

Ion 77.90 (77.60 to 78.60): VN052470.D (-686) (-)

4.06

200000

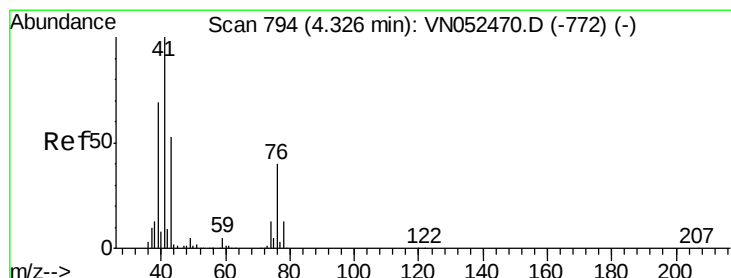
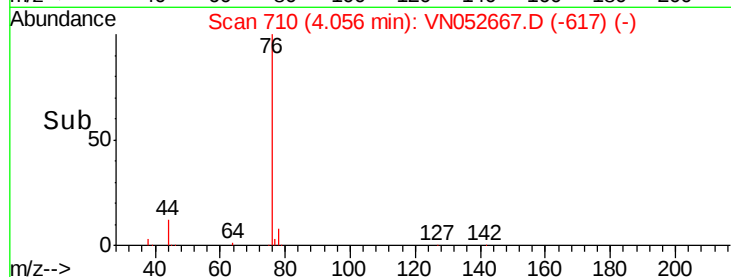
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.897 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052667.D

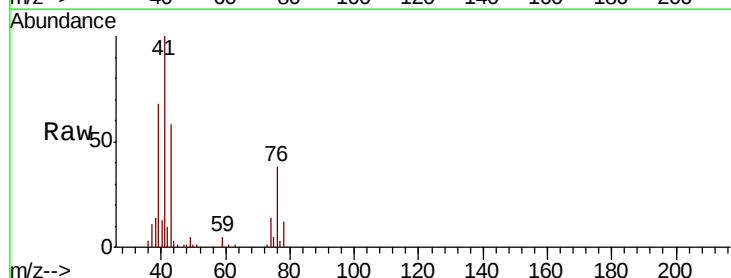
Acq: 5 Dec 2018 11:06

Tgt Ion: 43 Resp: 167739

Ion Ratio Lower Upper

43 100

74 23.6 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-772) (-)

Ion 74.00 (73.70 to 74.70): VN052470.D (-772) (-)

4.33

60000

50000

40000

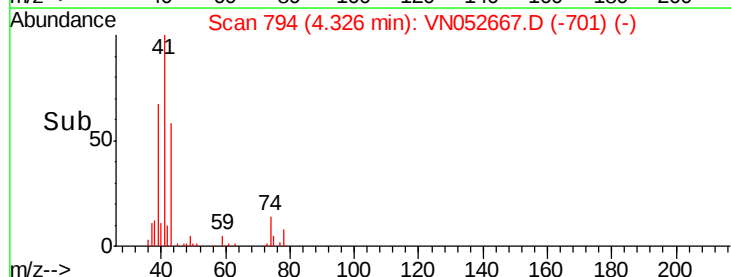
30000

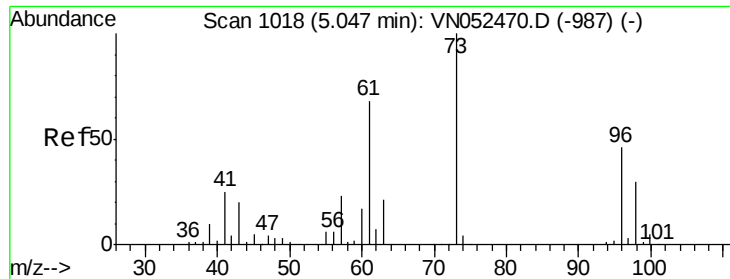
20000

10000

0

Time-->

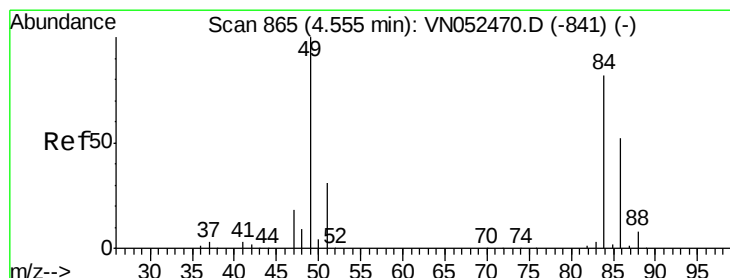
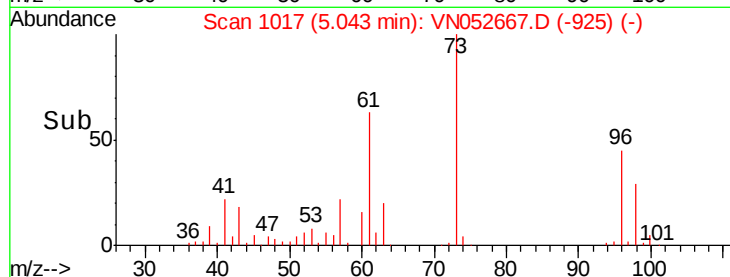
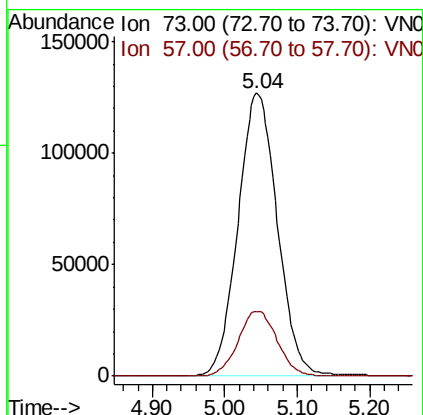
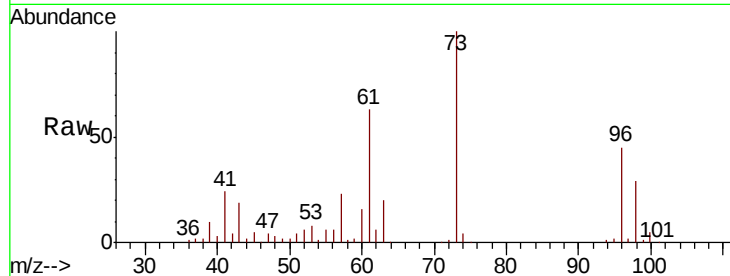




#19
Methyl tert-butyl Ether
Concen: 19.743 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

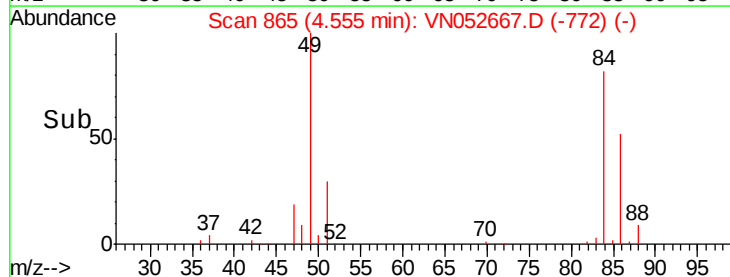
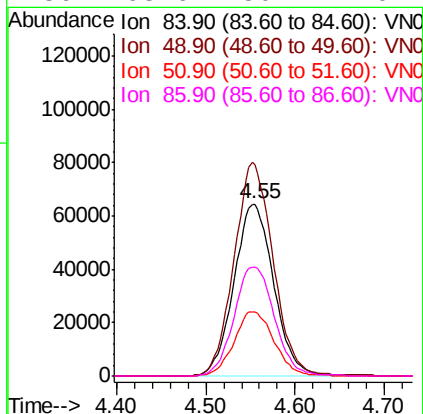
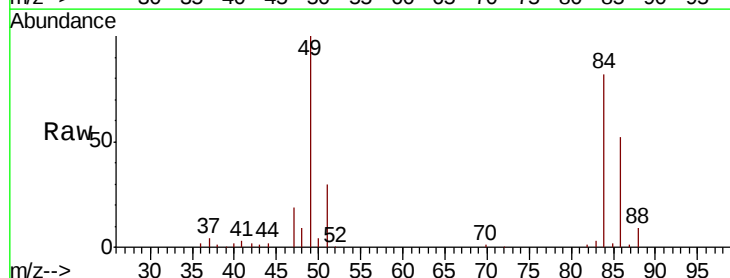
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

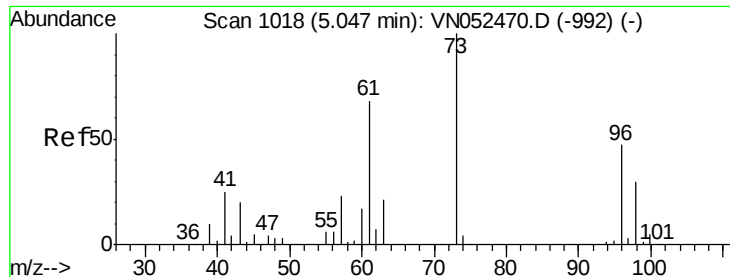
Tot Ion: 73 Resp: 479451
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.2



#20
Methylene Chloride
Concen: 18.252 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion: 84 Resp: 199870
Ion Ratio Lower Upper
84 100
49 122.7 98.0 147.0
51 37.1 30.1 45.1
86 63.6 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 18.634 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampled :

VN1205WBS01

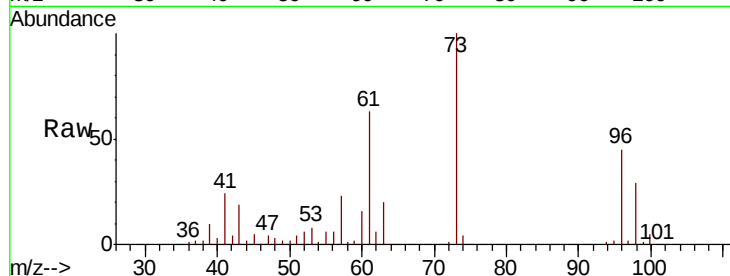
Tot Ion: 96 Resp: 181650

Ion Ratio Lower Upper

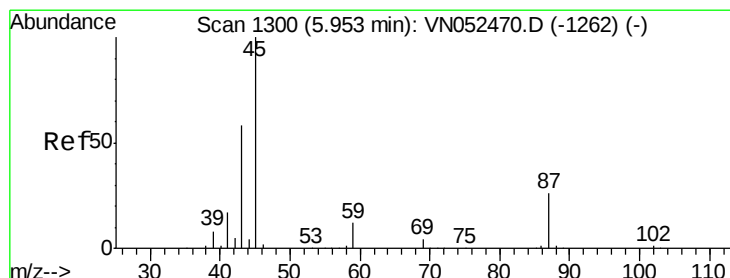
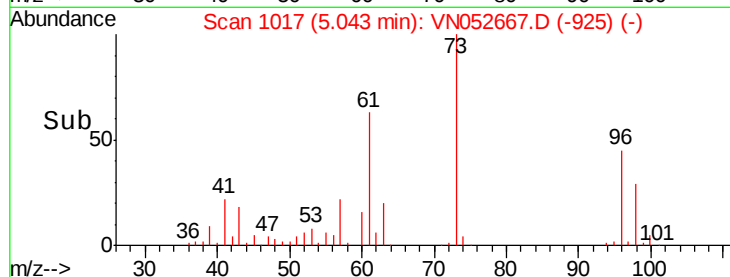
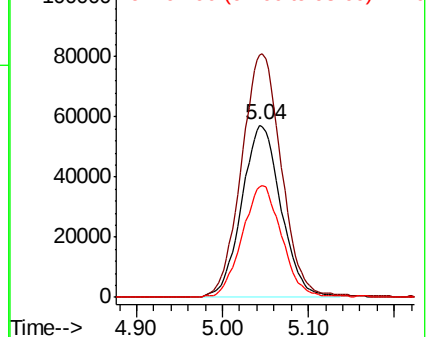
96 100

61 140.8 117.0 175.4

98 64.4 51.8 77.6



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: 19.195 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Tgt Ion: 45 Resp: 634295

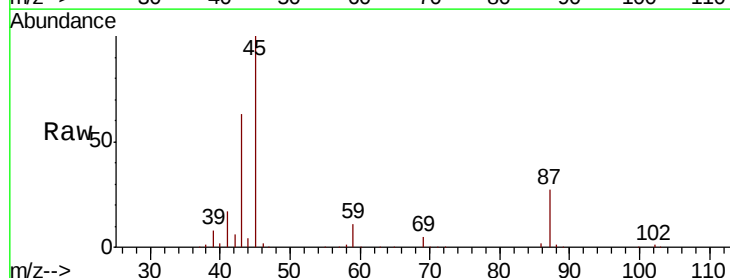
Ion Ratio Lower Upper

45 100

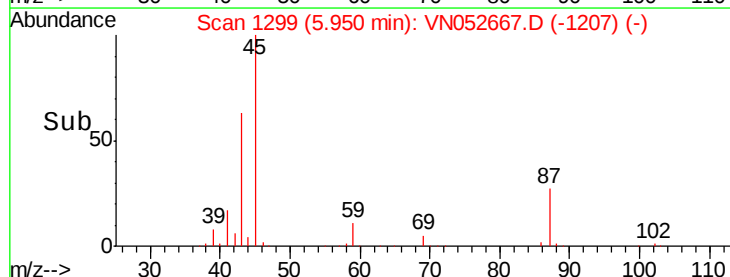
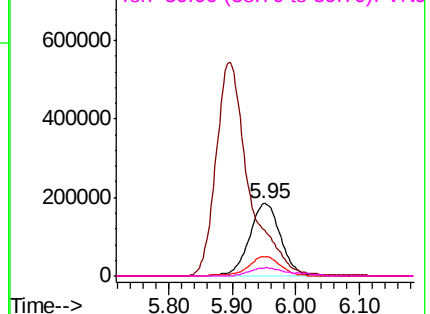
43 61.5 46.1 69.1

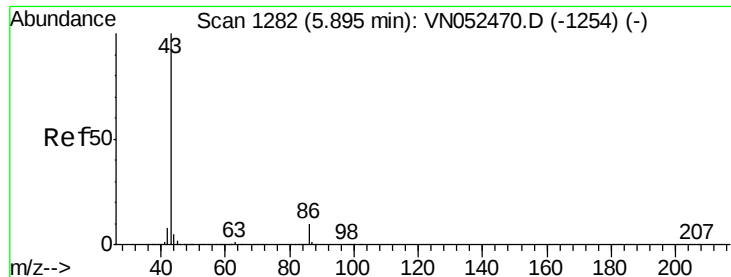
87 27.1 21.3 31.9

59 11.2 9.5 14.3



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: 94.831 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

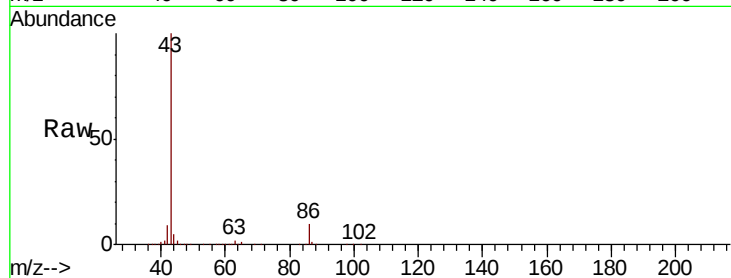
VN1205WBS01

Tot Ion: 43 Resp: 1951769

Ion Ratio Lower Upper

43 100

86 10.1 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN052470.D (-1254) (-)

5.90

600000

500000

400000

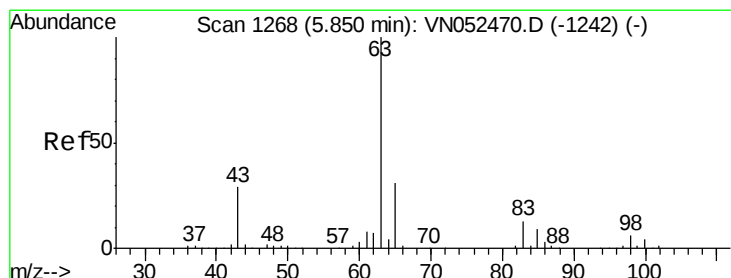
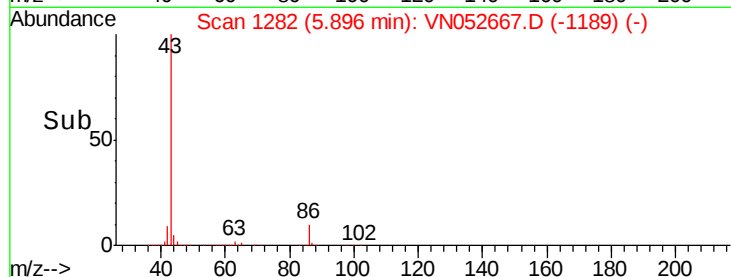
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.201 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

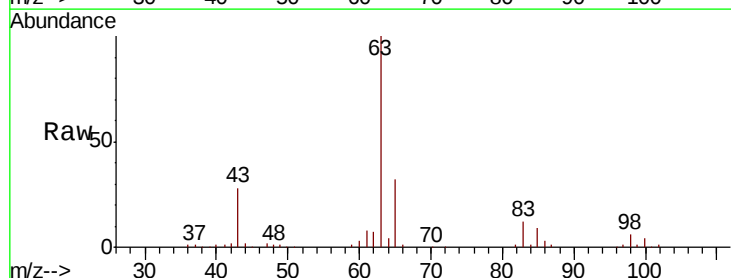
Tgt Ion: 63 Resp: 362257

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052470.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN052470.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN052470.D (-1242) (-)

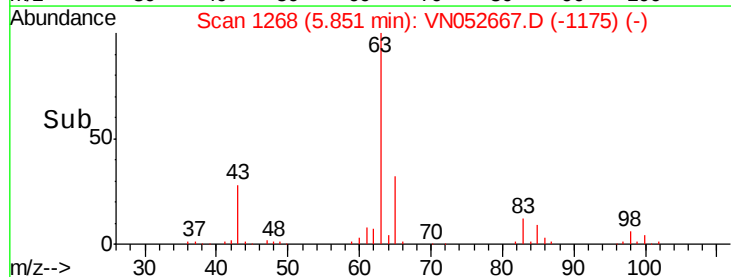
150000

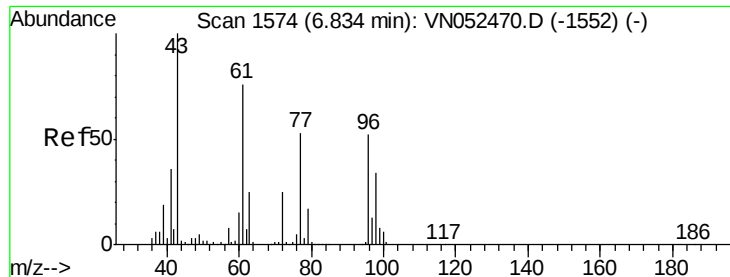
100000

50000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 99.560 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampled :

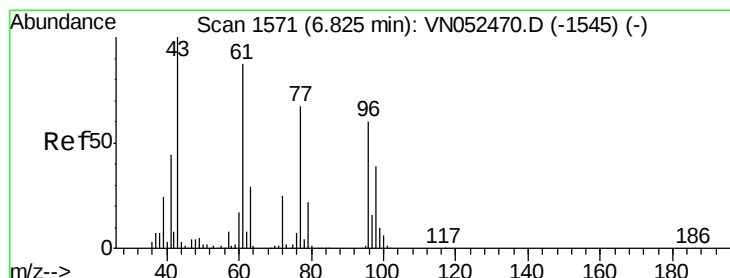
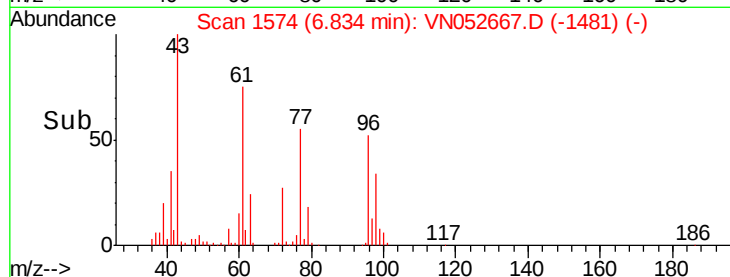
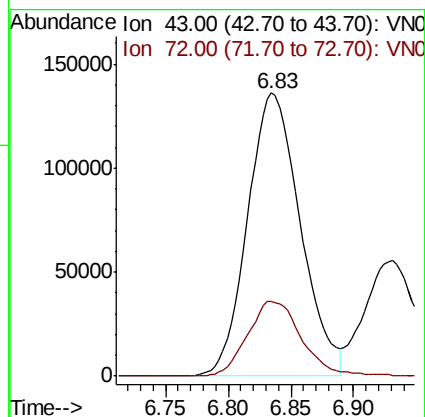
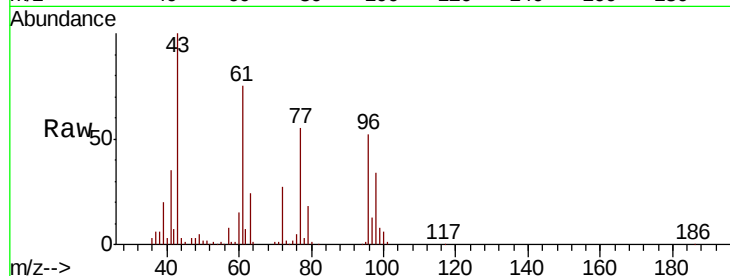
VN1205WBS01

Tot Ion: 43 Resp: 394887

Ion Ratio Lower Upper

43 100

72 26.7 20.1 30.1



#26

2,2-Dichloropropane

Concen: 20.242 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN052667.D

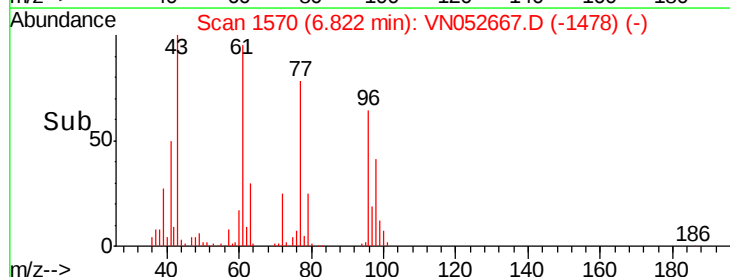
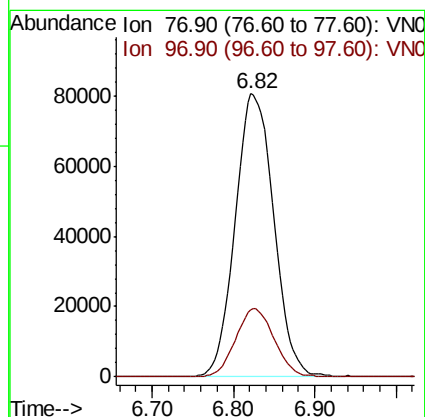
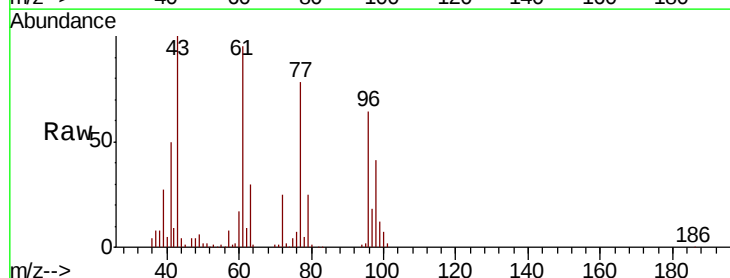
Acq: 5 Dec 2018 11:06

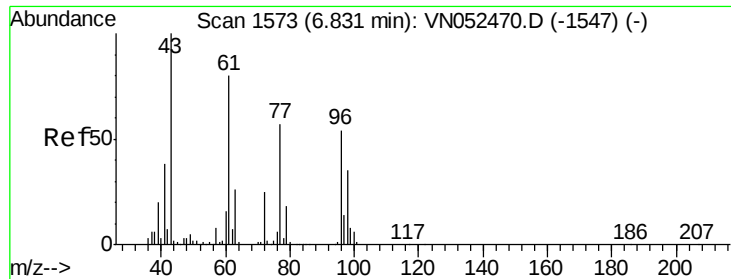
Tgt Ion: 77 Resp: 264343

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.020 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampled :

VN1205WBS01

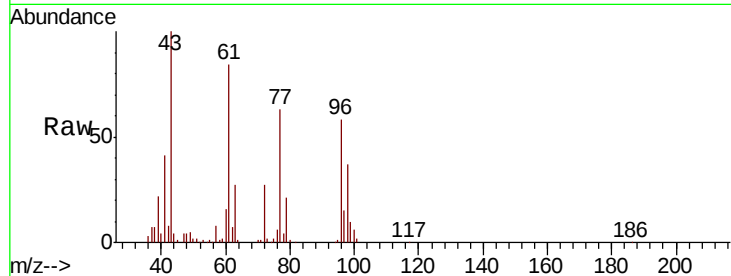
Tot Ion: 96 Resp: 215986

Ion Ratio Lower Upper

96 100

61 144.5 0.0 291.0

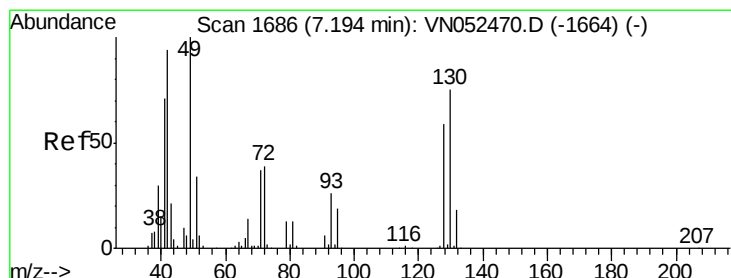
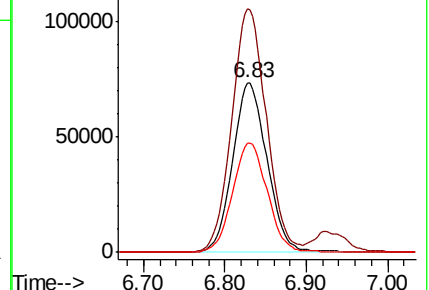
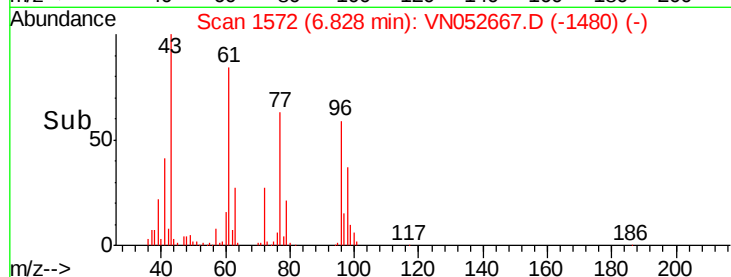
98 65.1 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.347 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

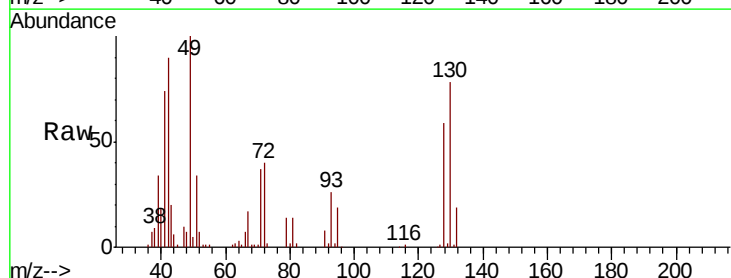
Tgt Ion: 49 Resp: 166726

Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.8

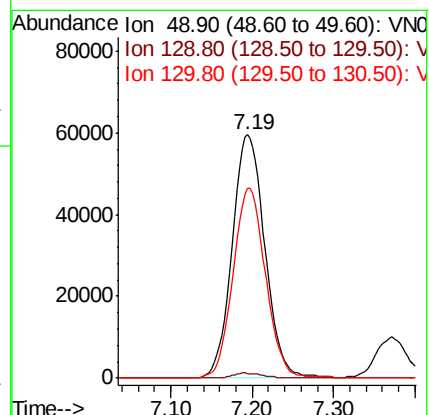
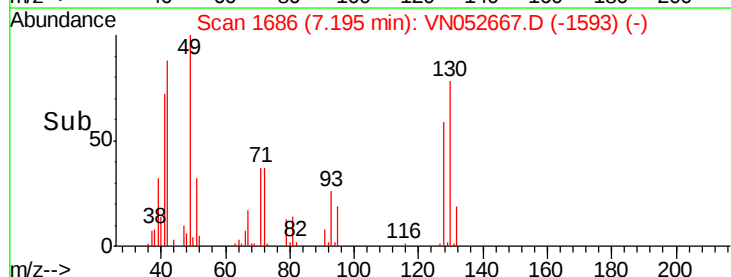
130 77.5 60.2 90.2



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

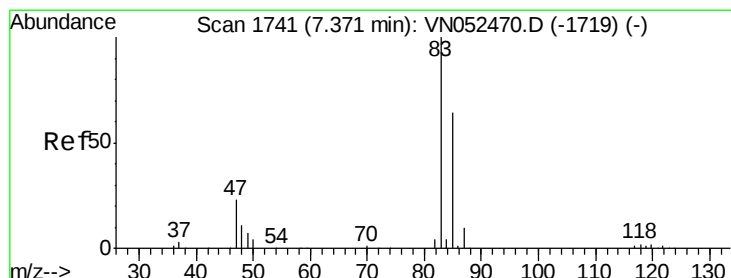
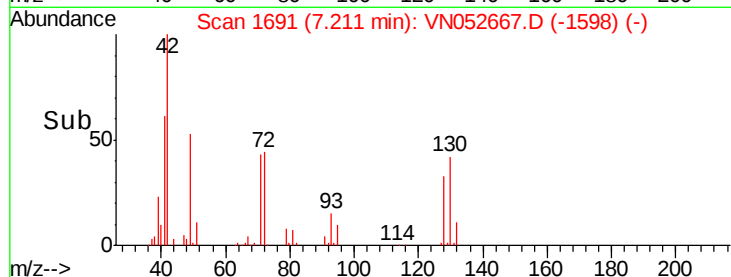
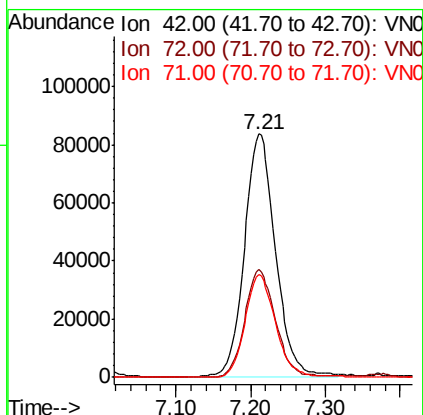
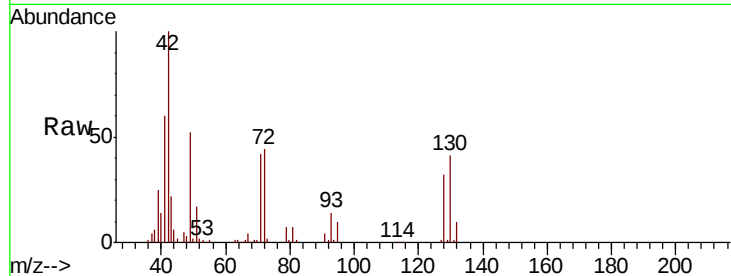




#29
Tetrahydrofuran
Concen: 94.075 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

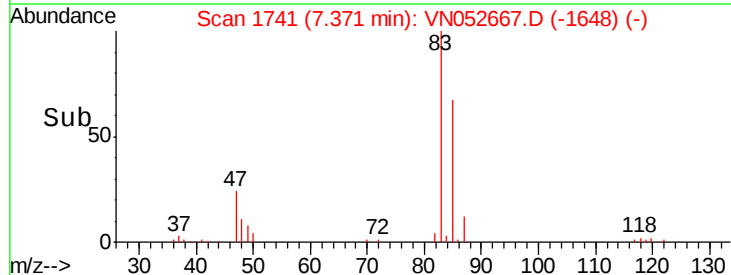
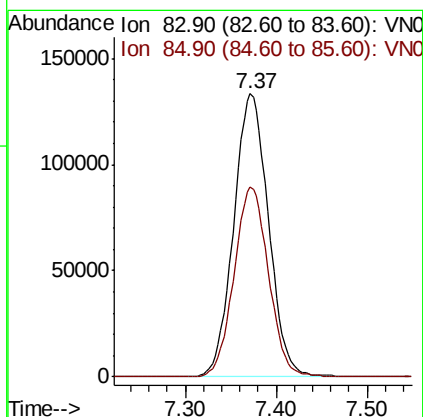
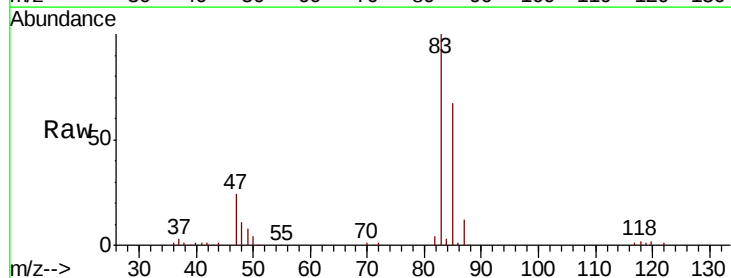
Instrument :
MSVOA_N
ClientSampled :
VN1205WBS01

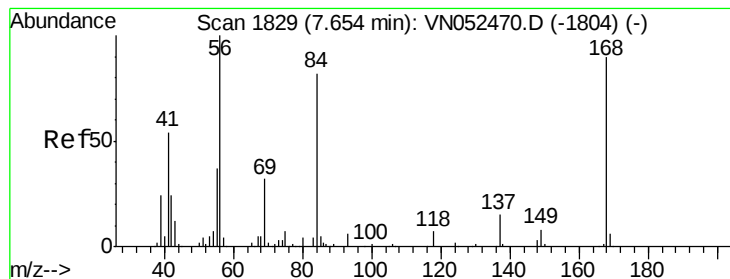
Tot Ion: 42 Resp: 240669
Ion Ratio Lower Upper
42 100
72 43.8 33.3 49.9
71 41.4 32.0 48.0



#30
Chloroform
Concen: 18.809 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion: 83 Resp: 354057
Ion Ratio Lower Upper
83 100
85 67.1 51.0 76.4





#31

Cyclohexane

Concen: 18.135 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

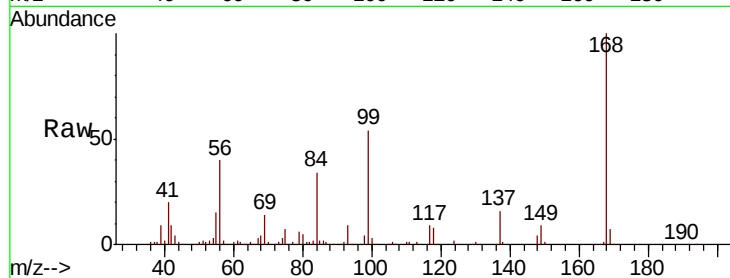
Tot Ion: 56 Resp: 335414

Ion Ratio Lower Upper

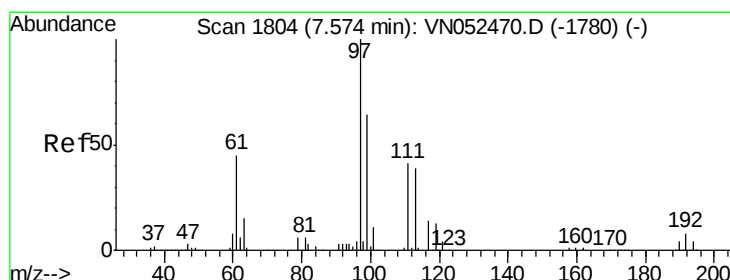
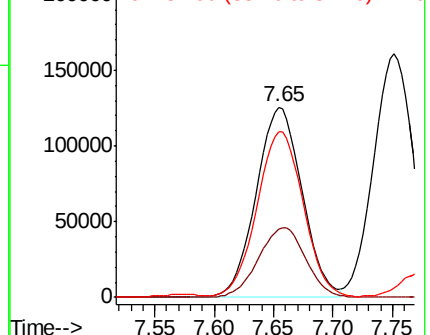
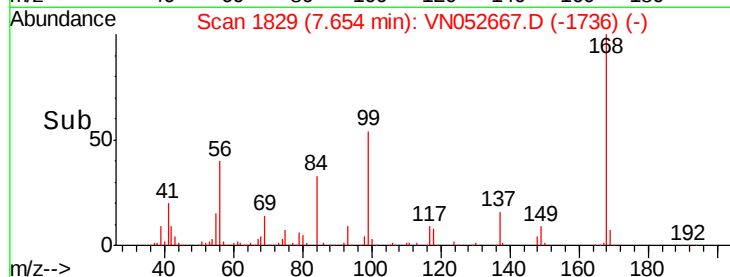
56 100

69 35.8 25.8 38.6

84 85.8 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 19.603 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

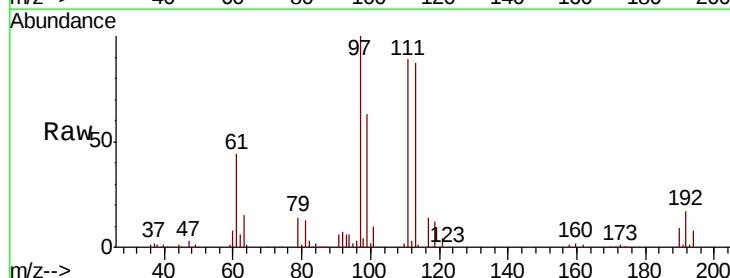
Tgt Ion: 97 Resp: 292365

Ion Ratio Lower Upper

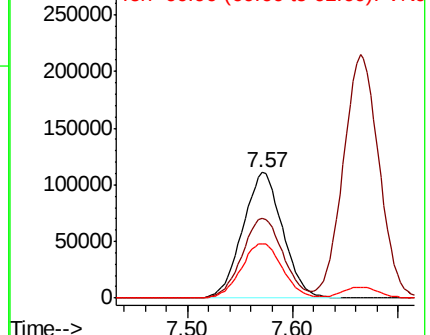
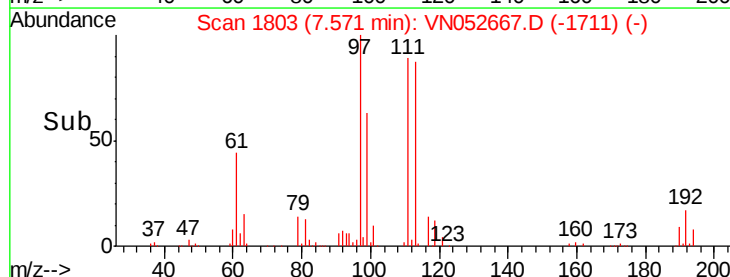
97 100

99 64.7 51.7 77.5

61 44.9 36.8 55.2



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 19.603 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

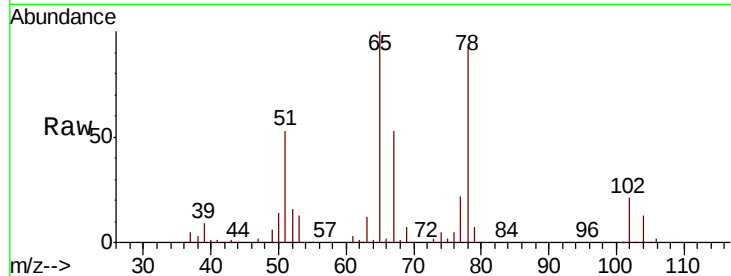
VN1205WBS01

Tot Ion: 65 Resp: 550562

Ion Ratio Lower Upper

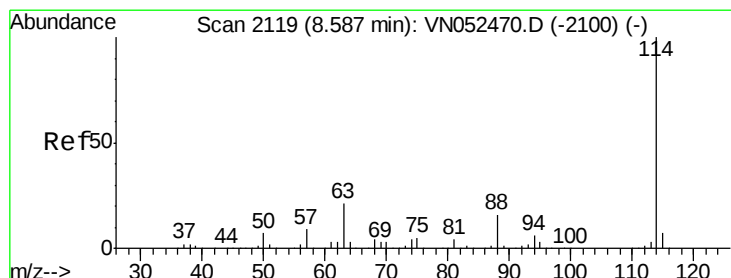
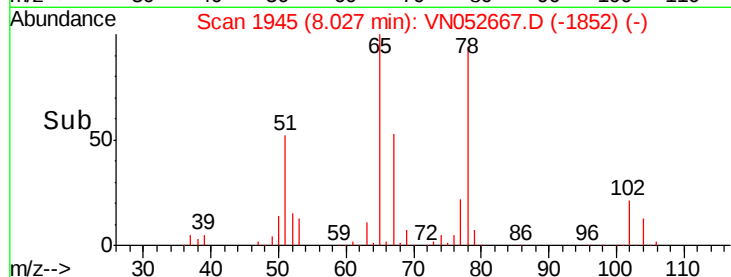
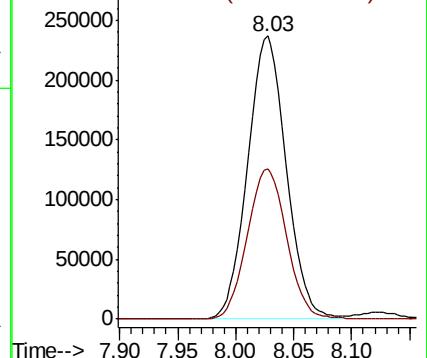
65 100

67 54.2 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

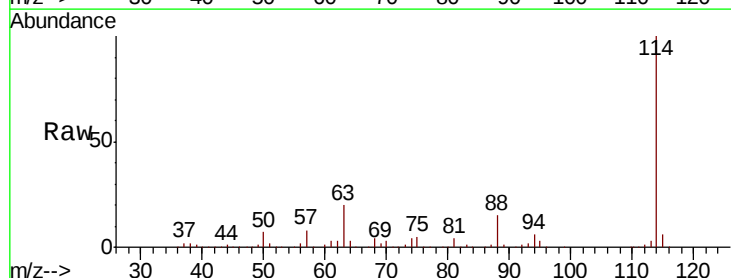
Tgt Ion: 114 Resp: 1480812

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.8

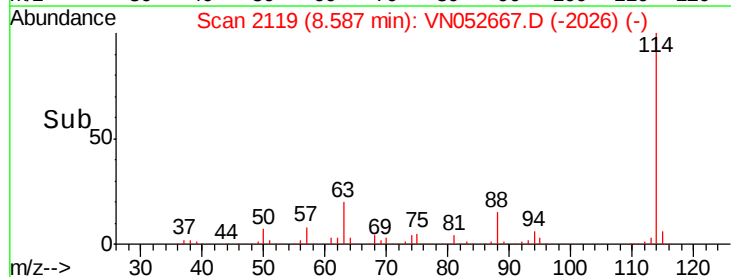
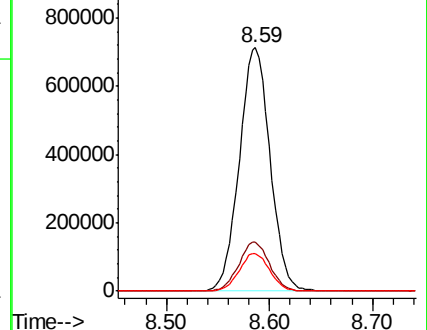
88 15.3 0.0 31.6

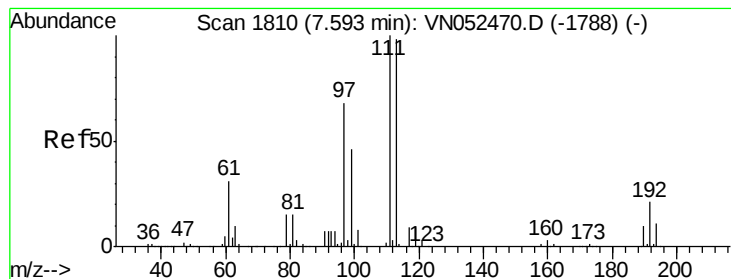


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampled :

VN1205WBS01

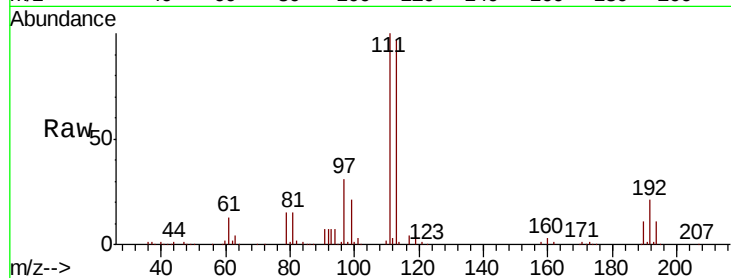
Tot Ion:113 Resp: 496247

Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

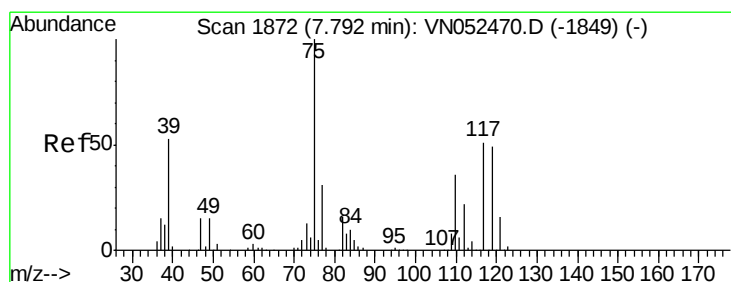
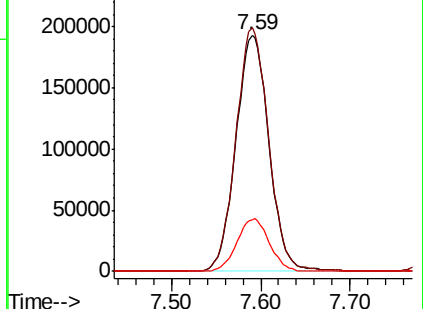
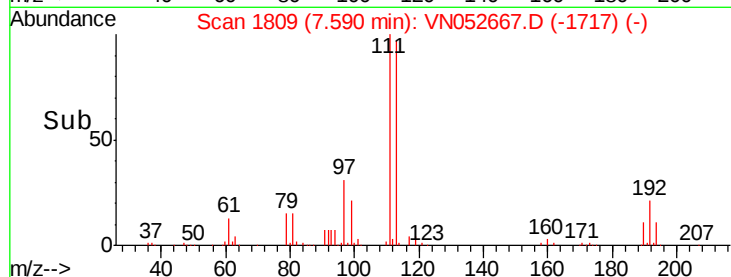
192 21.8 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.440 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

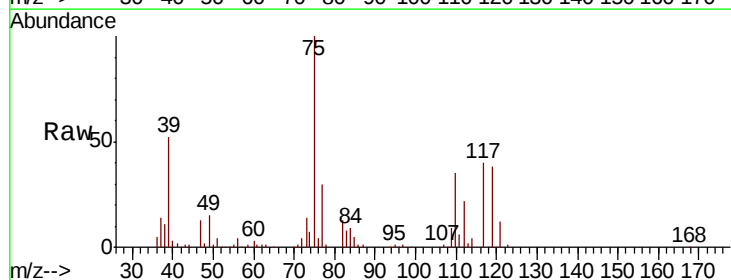
Tgt Ion: 75 Resp: 271848

Ion Ratio Lower Upper

75 100

110 35.6 17.5 52.6

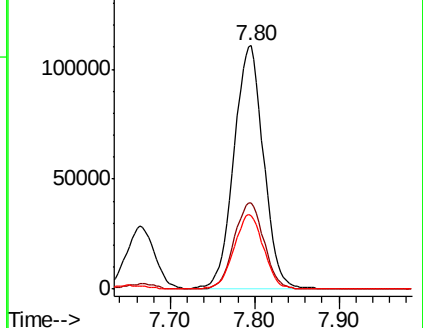
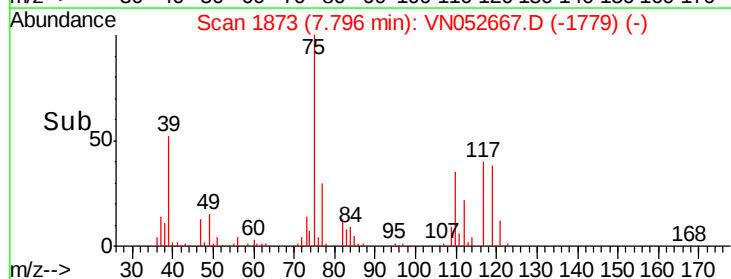
77 30.7 24.5 36.7

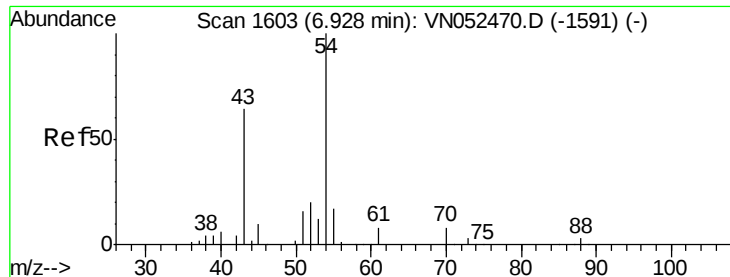


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 19.047 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

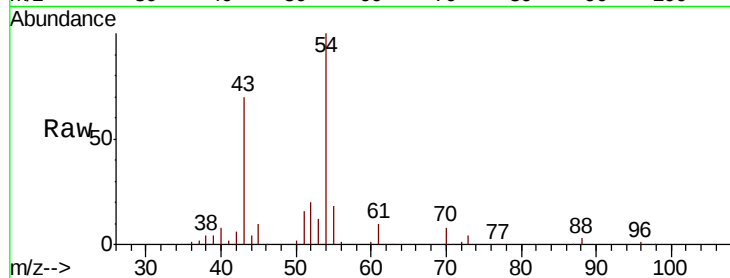
Tot Ion: 43 Resp: 162553

Ion Ratio Lower Upper

43 100

61 14.6 11.8 17.8

70 10.4 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1591) (-)

Ion 60.90 (60.60 to 61.60): VN052470.D (-1591) (-)

Ion 70.00 (69.70 to 70.70): VN052470.D (-1591) (-)

150000

100000

50000

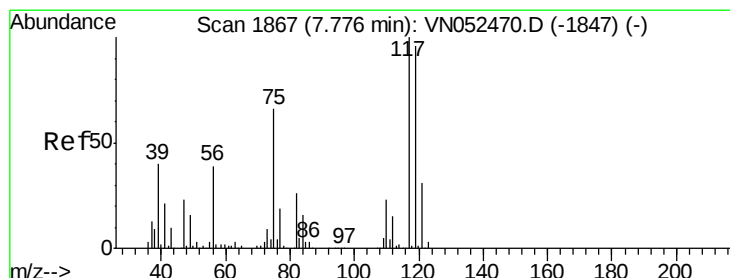
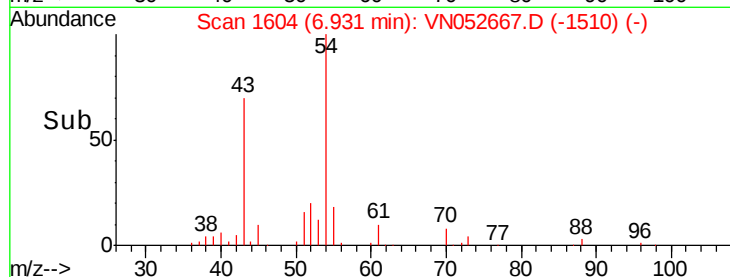
0

6.93

6.90

7.00

Time-->



#38

Carbon Tetrachloride

Concen: 19.950 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

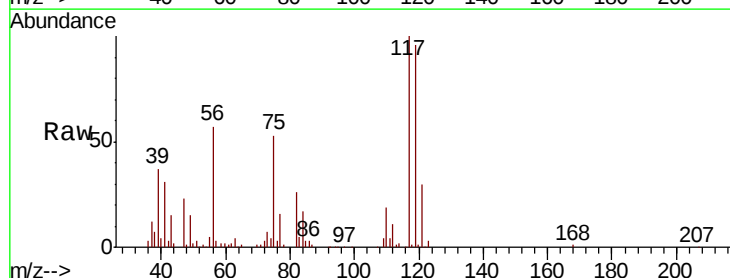
Tgt Ion: 117 Resp: 252550

Ion Ratio Lower Upper

117 100

119 96.2 76.8 115.2

121 29.6 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN052470.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN052470.D (-1847) (-)

100000

50000

0

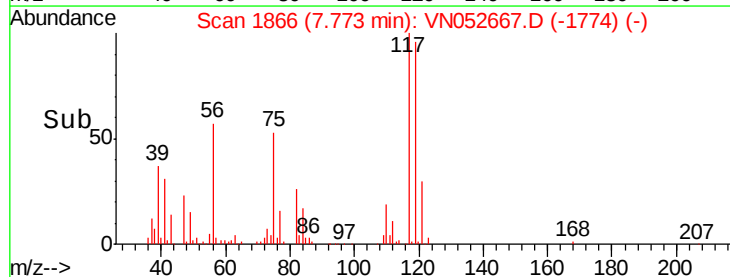
7.77

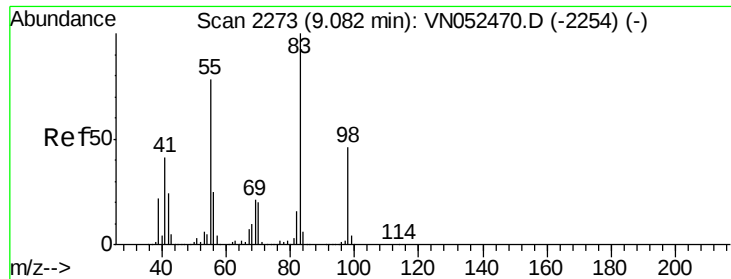
7.70

7.80

7.90

Time-->

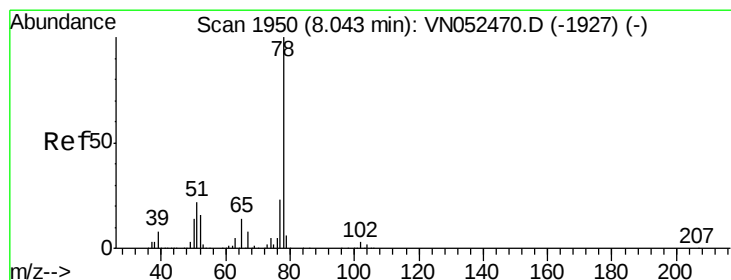
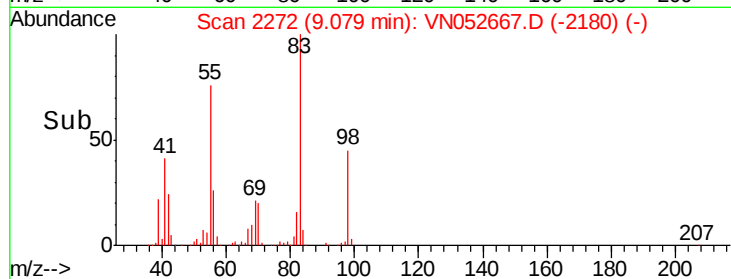
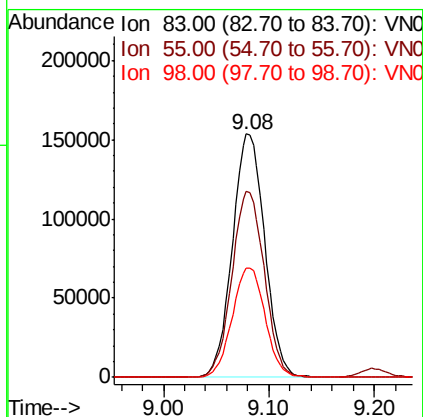
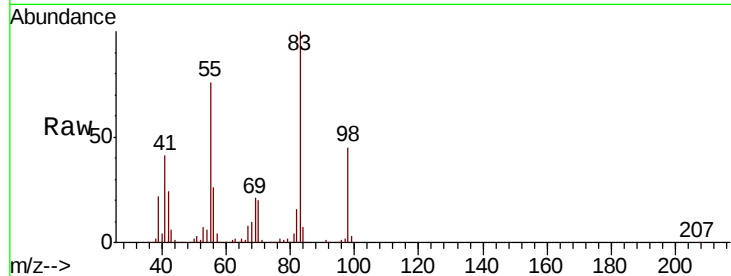




#39
Methvlcvclohexane
Concen: 19.246 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

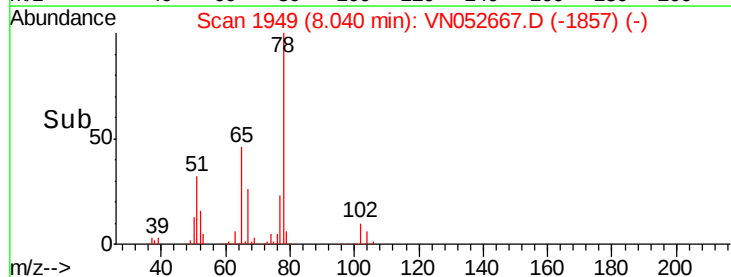
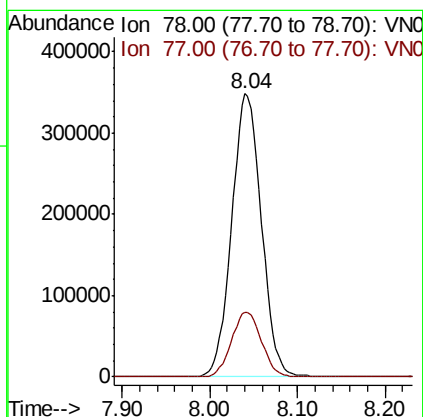
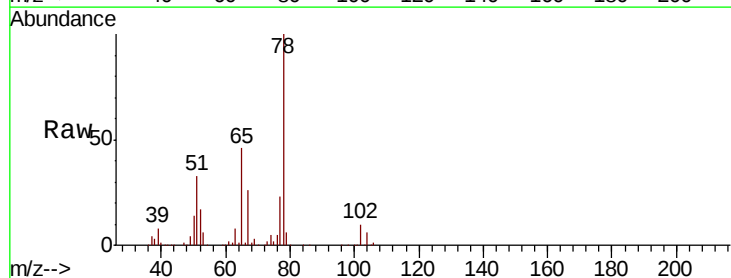
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

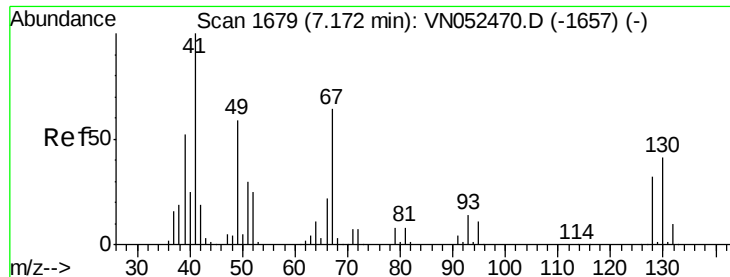
Tot Ion: 83 Resp: 327119
Ion Ratio Lower Upper
83 100
55 76.2 62.2 93.2
98 44.9 36.4 54.6



#40
Benzene
Concen: 19.658 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion: 78 Resp: 819214
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2

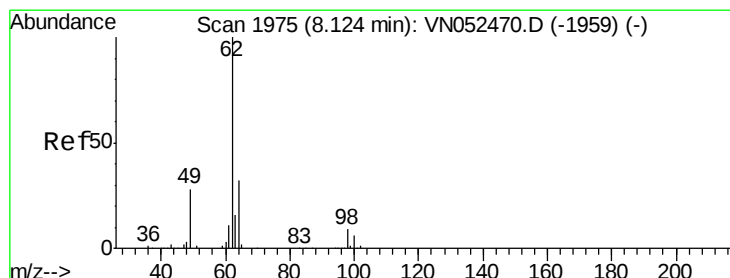
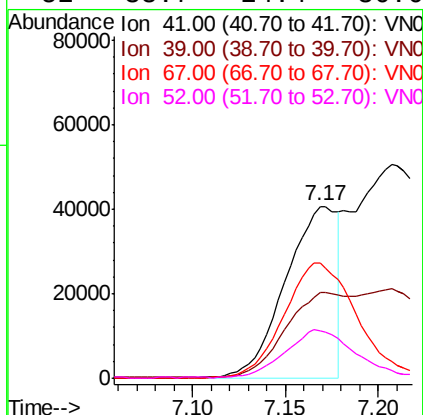
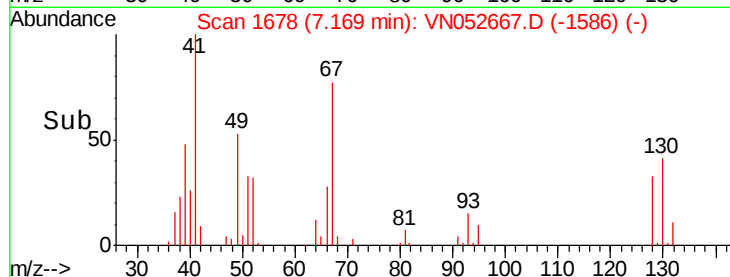
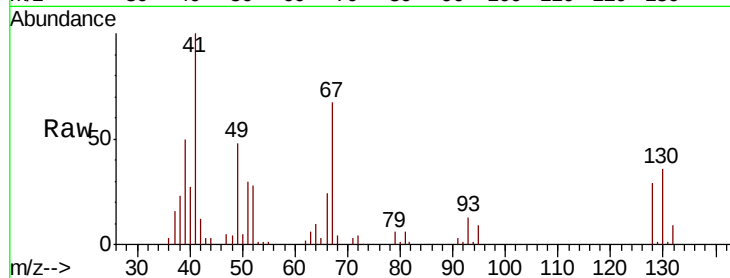




#41
Methacrylonitrile
Concen: 17.092 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

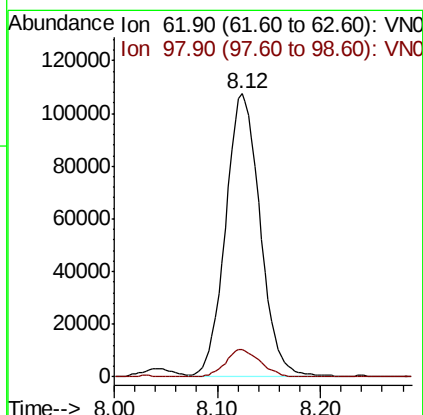
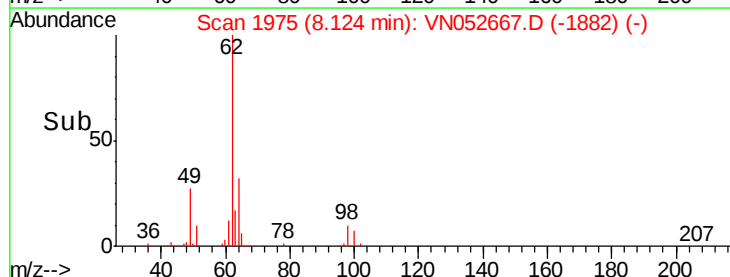
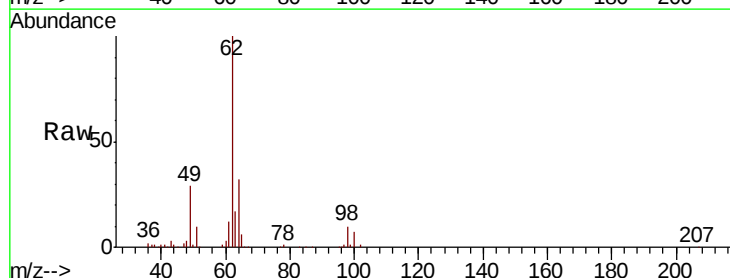
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

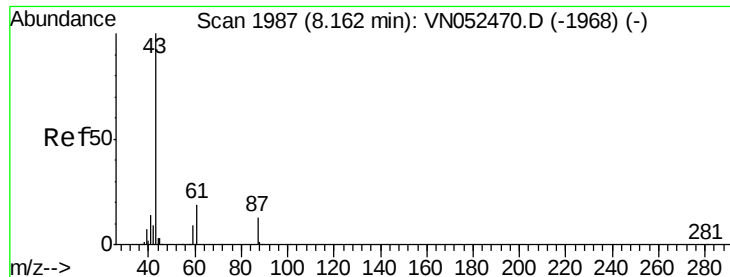
Tot Ion: 41 Resp: 79746
Ion Ratio Lower Upper
41 100
39 58.7 50.9 76.3
67 94.5 63.6 95.4
52 38.7 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 19.784 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion: 62 Resp: 249645
Ion Ratio Lower Upper
62 100
98 9.7 0.0 18.6





#43

Isopropyl Acetate

Concen: 20.978 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

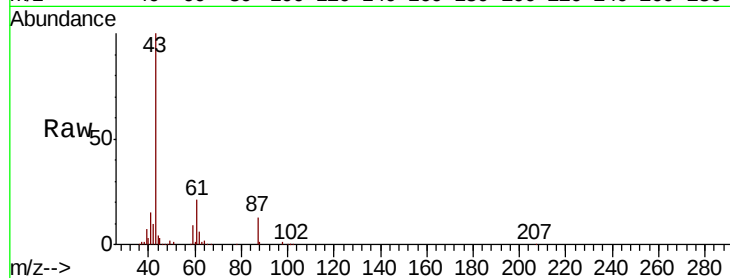
Tot Ion: 43 Resp: 302975

Ion Ratio Lower Upper

43 100

61 28.5 24.1 36.1

87 12.7 10.6 15.8

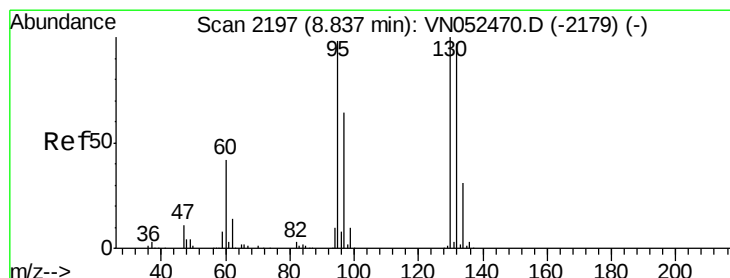
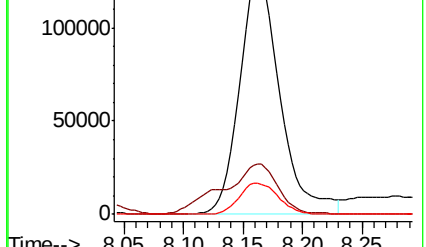
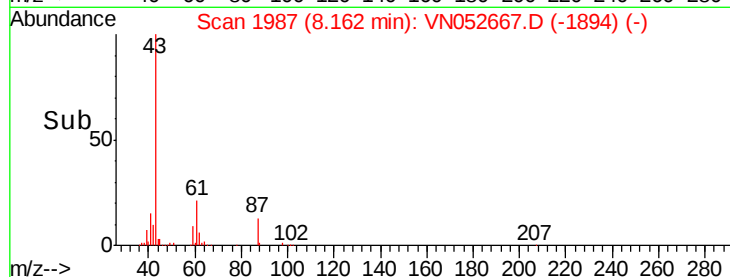


Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)

Time-->



#44

Trichloroethene

Concen: 20.016 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052667.D

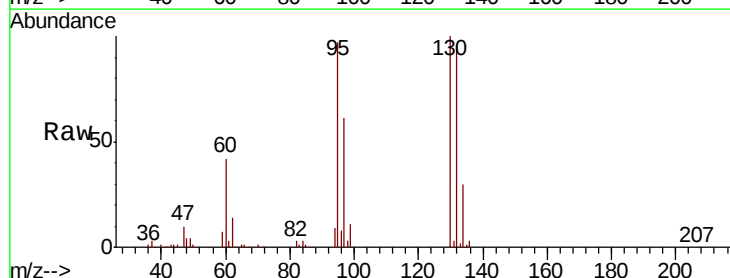
Acq: 5 Dec 2018 11:06

Tgt Ion:130 Resp: 213670

Ion Ratio Lower Upper

130 100

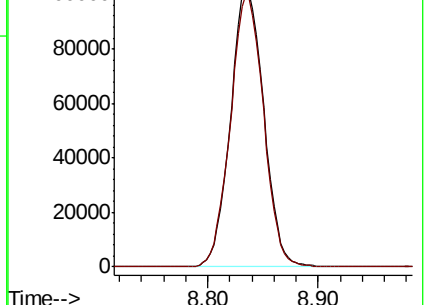
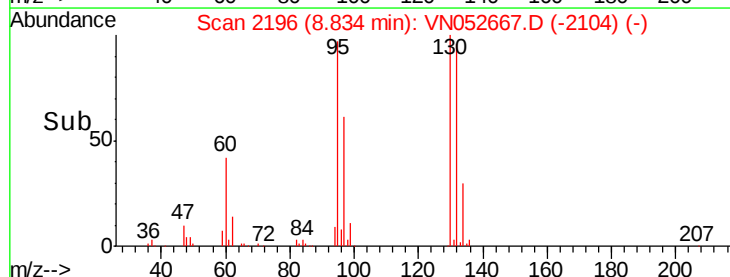
95 96.7 0.0 195.6

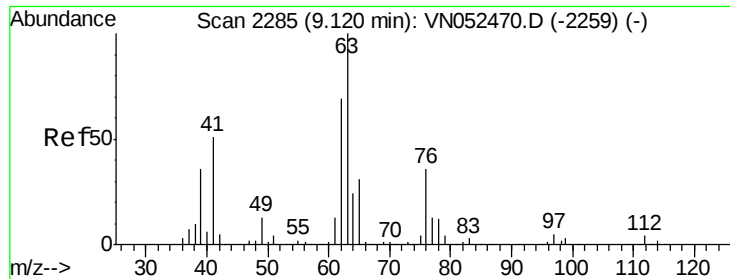


Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052470.D (-2179) (-)

Time-->

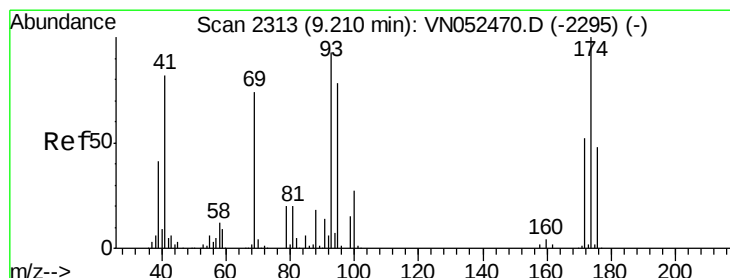
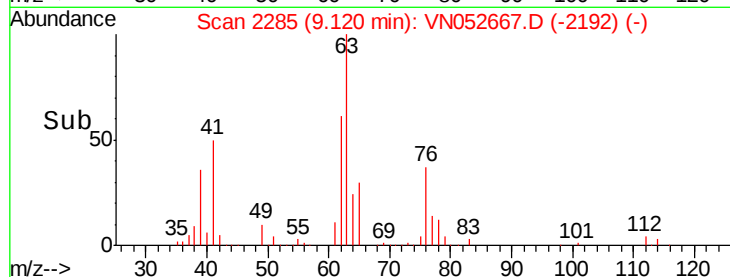
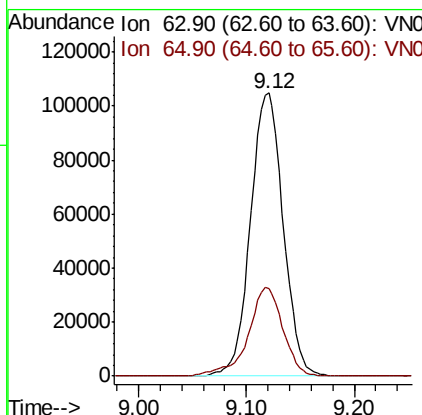
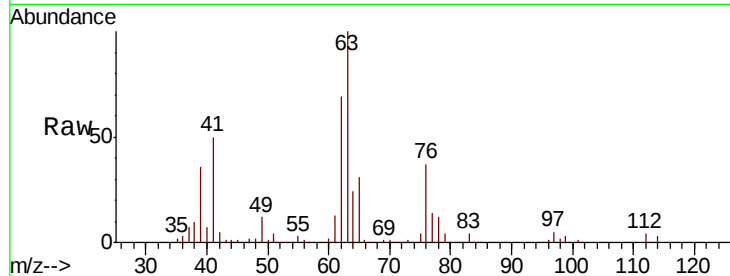




#45
 1,2-Dichloropropane
 Concen: 19.906 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

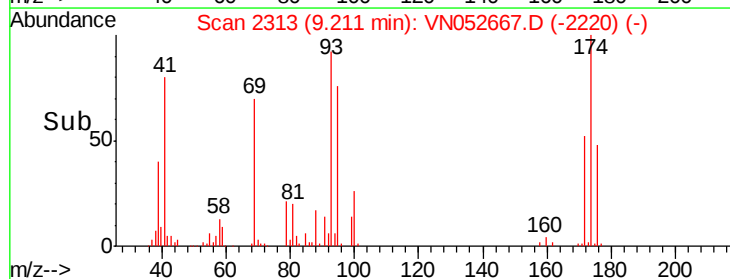
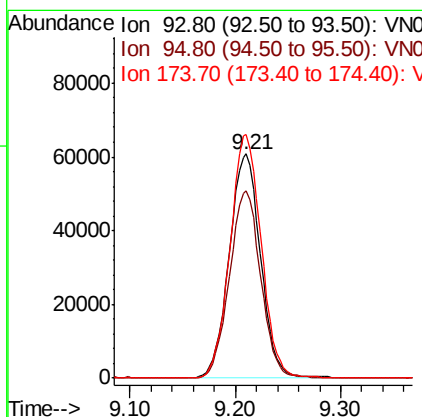
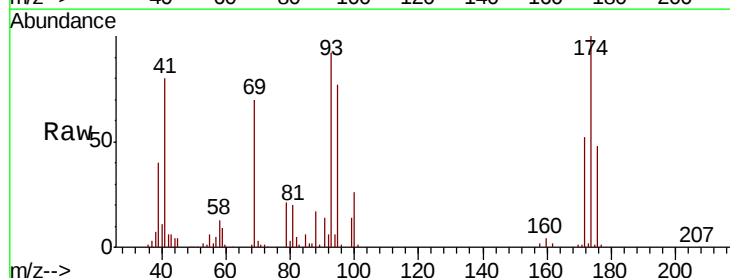
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

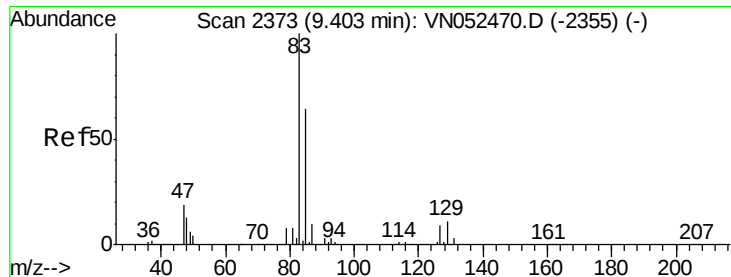
Tot Ion: 63 Resp: 220549
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6



#46
 Dibromomethane
 Concen: 20.399 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion: 93 Resp: 125120
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.1 100.7
 174 108.1 85.8 128.8

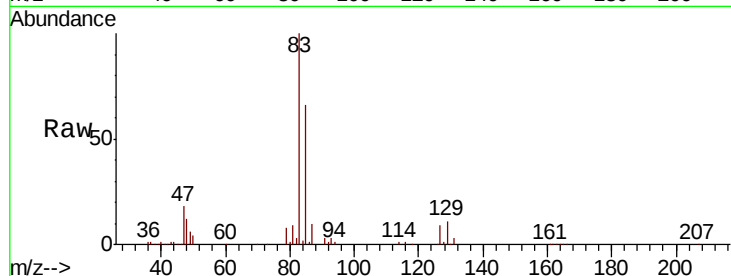




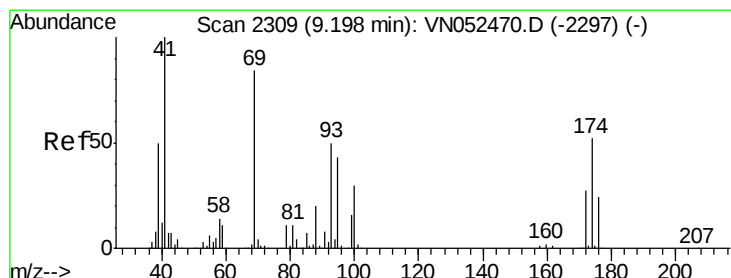
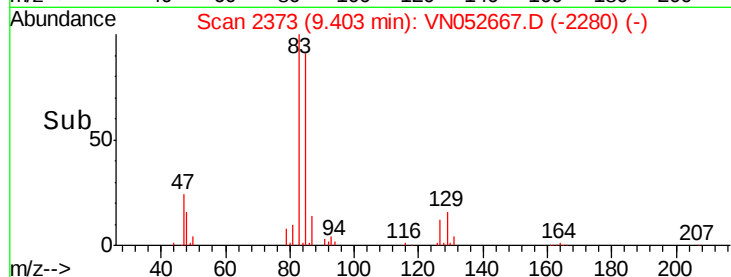
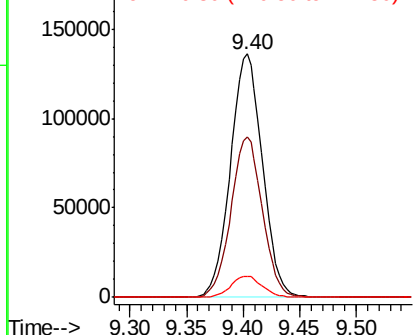
#47
Bromodichloromethane
Concen: 20.098 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion: 83 Resp: 268009
Ion Ratio Lower Upper
83 100
85 66.1 51.3 76.9
127 8.7 6.9 10.3

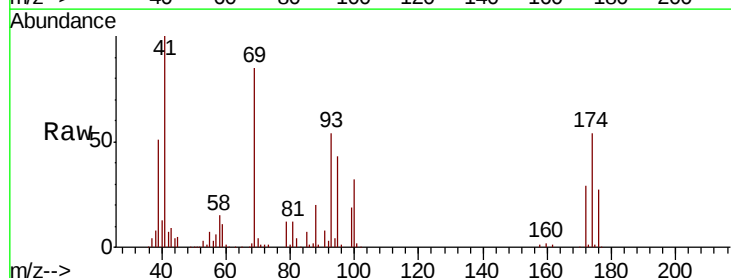


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

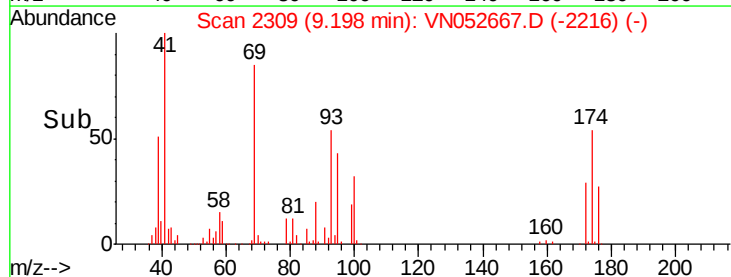
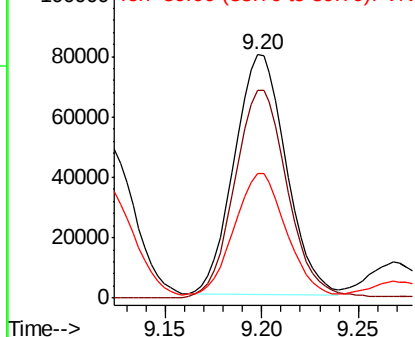


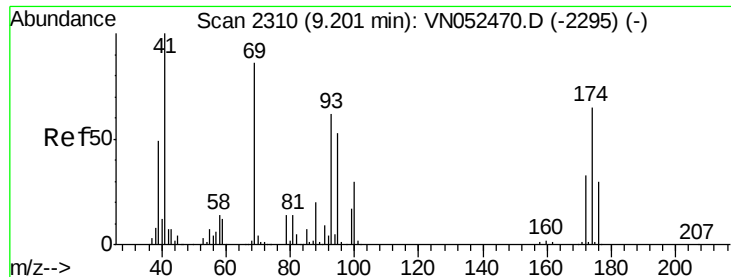
#48
Methyl methacrylate
Concen: 19.701 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion: 41 Resp: 148365
Ion Ratio Lower Upper
41 100
69 89.2 70.0 105.0
39 52.7 42.6 64.0



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

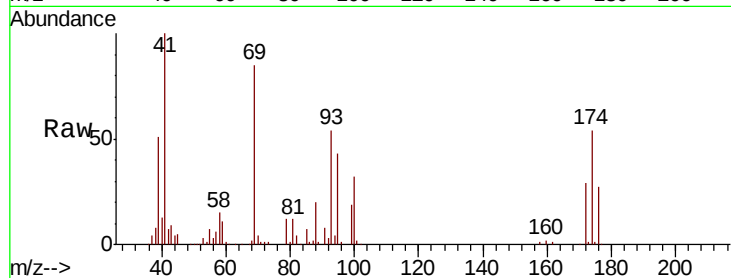




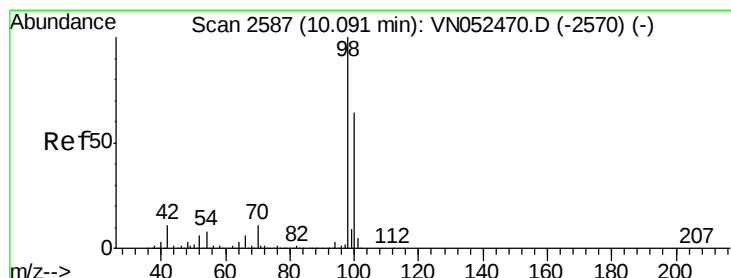
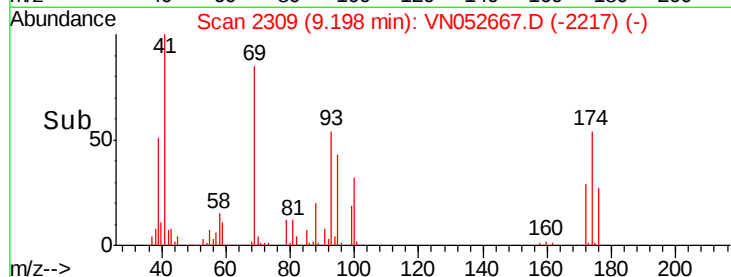
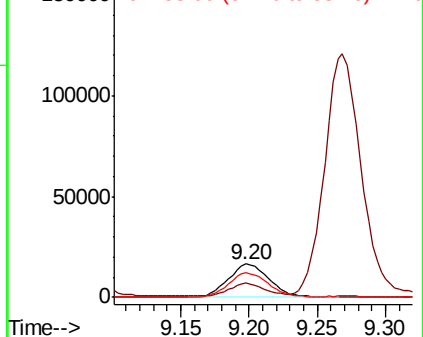
#49
1,4-Dioxane
Concen: 441.646 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion: 88 Resp: 34517
Ion Ratio Lower Upper
88 100
43 33.5 26.4 39.6
58 71.8 55.4 83.0

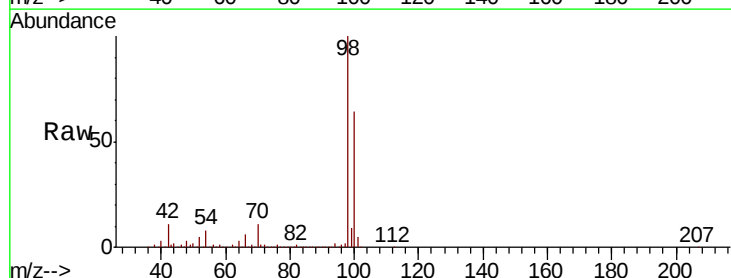


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

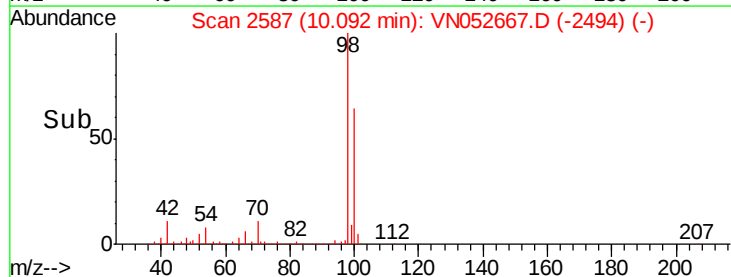
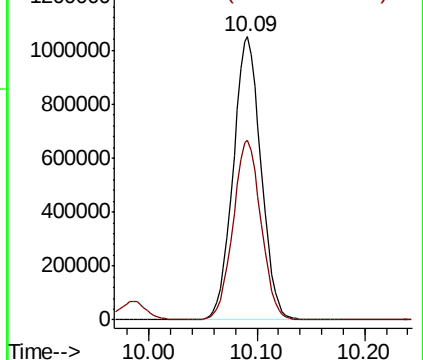


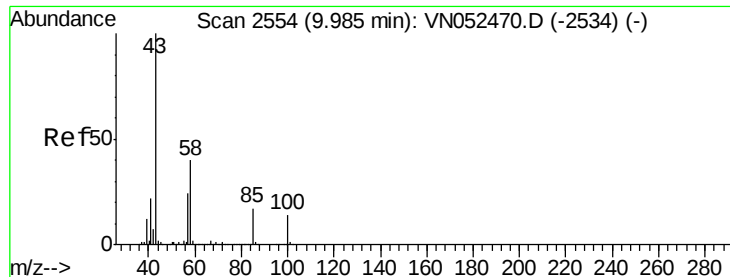
#50
Toluene-d8
Concen: 441.646 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion: 98 Resp: 1886922
Ion Ratio Lower Upper
98 100
100 63.8 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 102.715 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampled :

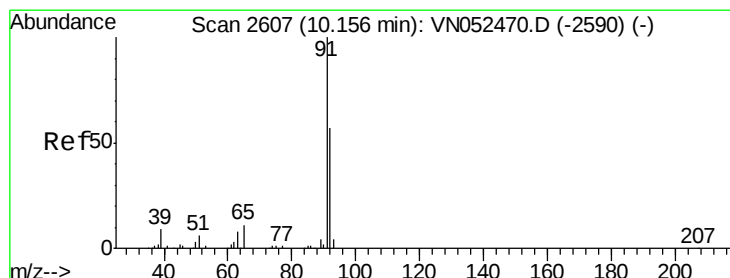
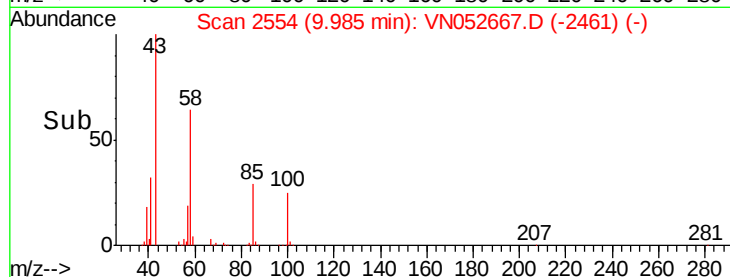
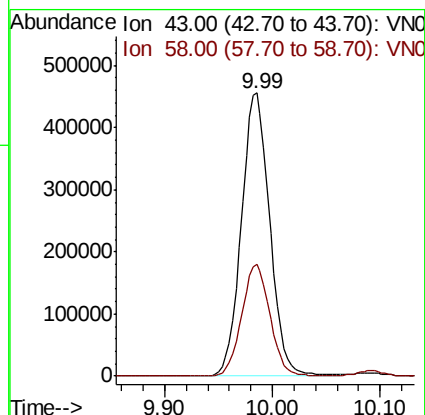
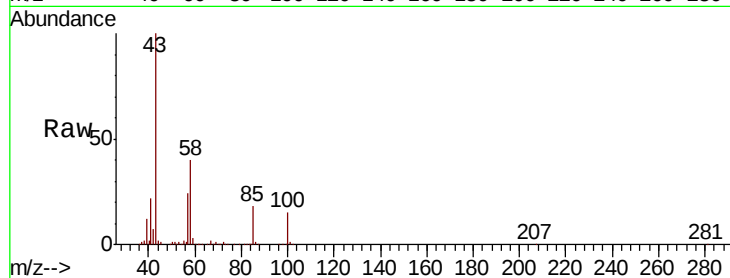
VN1205WBS01

Tot Ion: 43 Resp: 832318

Ion Ratio Lower Upper

43 100

58 39.4 31.5 47.3



#52

Toluene

Concen: 20.112 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052667.D

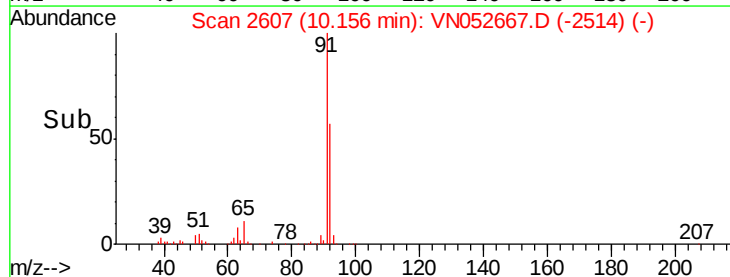
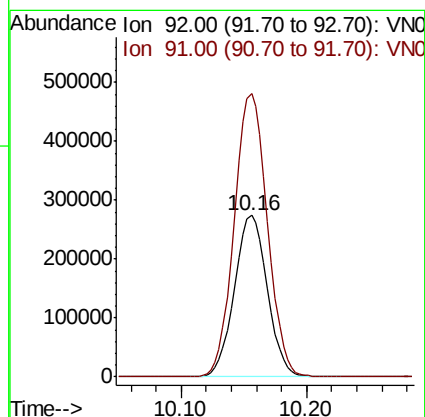
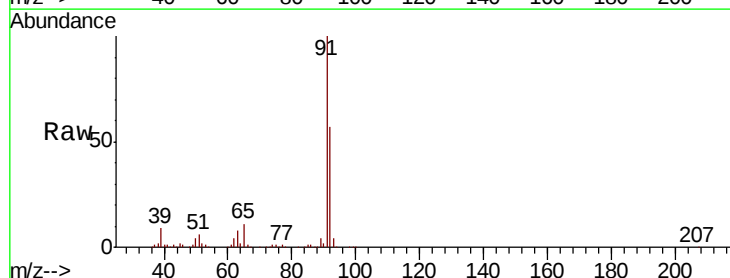
Acq: 5 Dec 2018 11:06

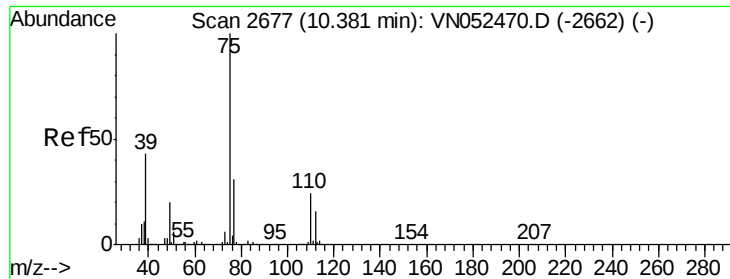
Tgt Ion: 92 Resp: 497986

Ion Ratio Lower Upper

92 100

91 176.9 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 20.321 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

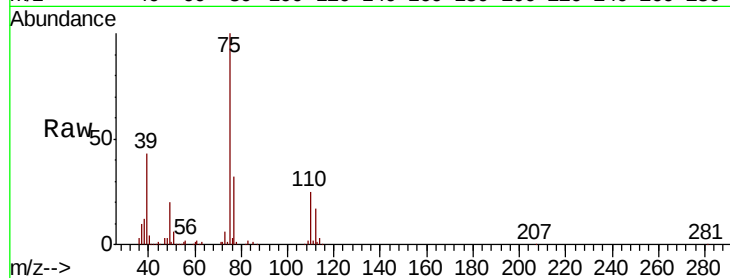
VN1205WBS01

Tot Ion: 75 Resp: 260698

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

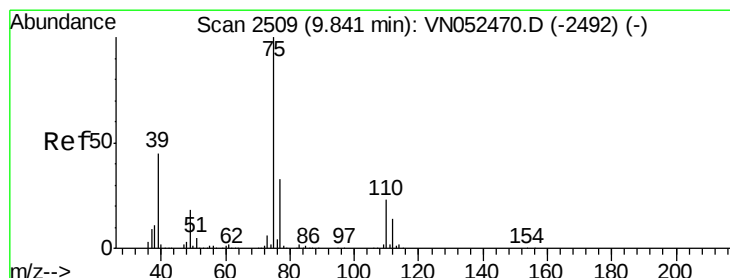
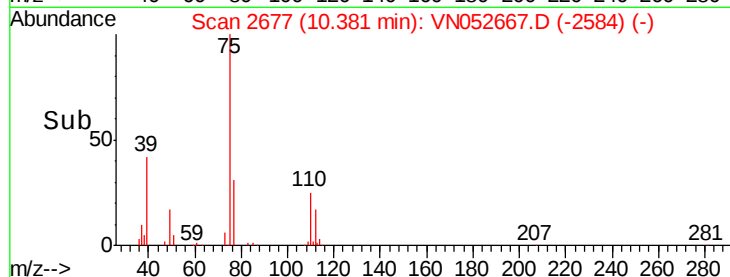
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.045 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

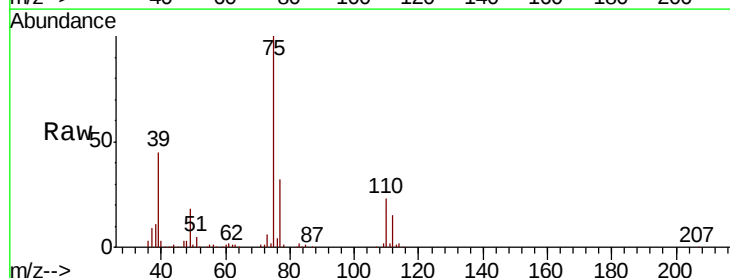
Tgt Ion: 75 Resp: 308163

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2

39 45.4 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

200000

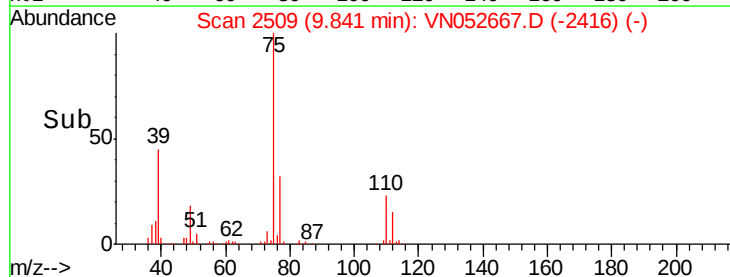
150000

100000

50000

0

Time-->

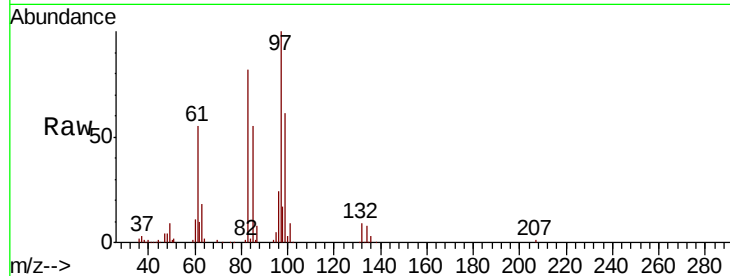




#55
 1,1,2-Trichloroethane
 Concen: 20.936 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.3	70.7	106.1
85	55.1	46.1	69.1
99	60.9	50.8	76.2



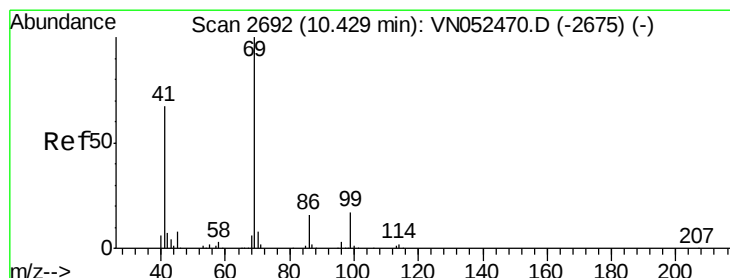
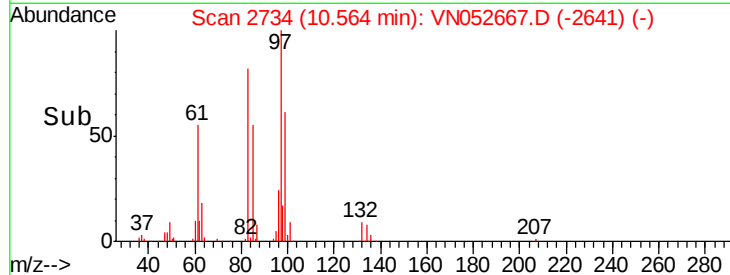
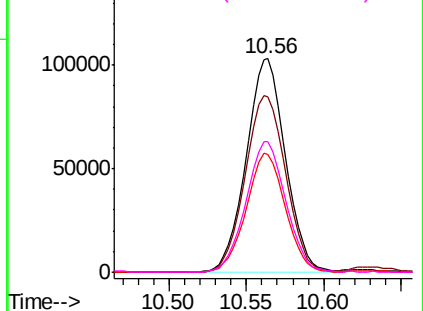
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

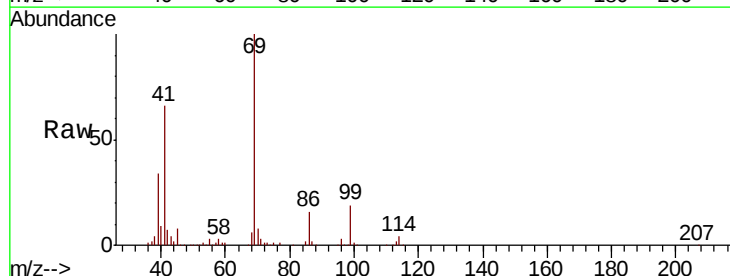
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 20.147 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.2	52.6	79.0
39	32.4	25.9	38.9

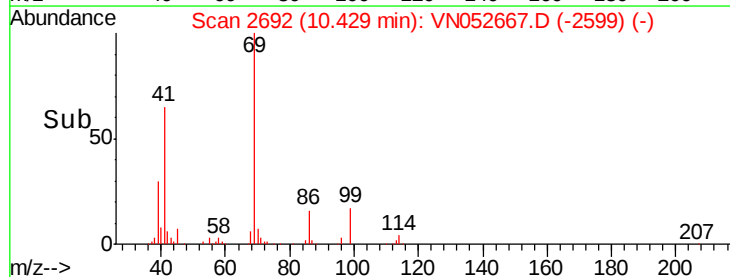
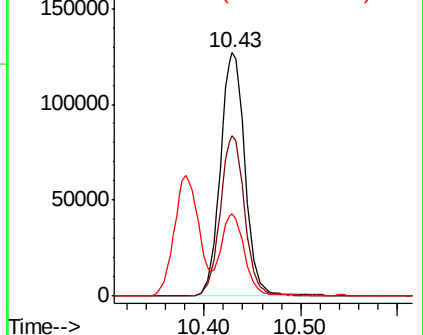


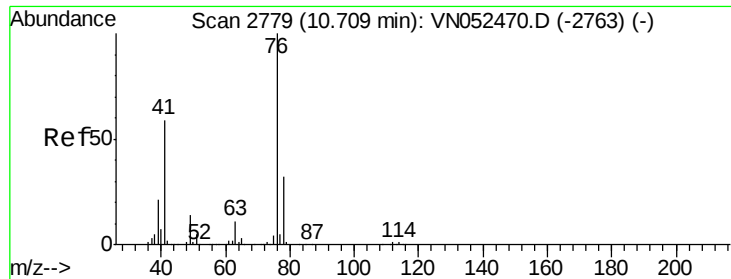
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

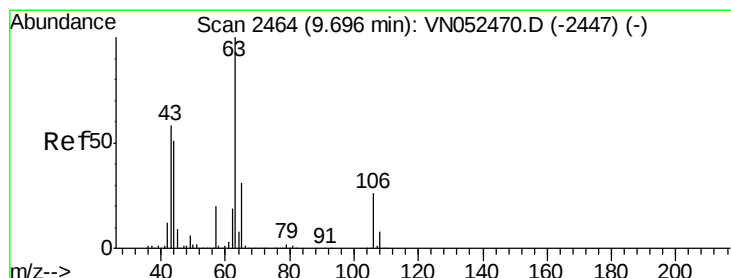
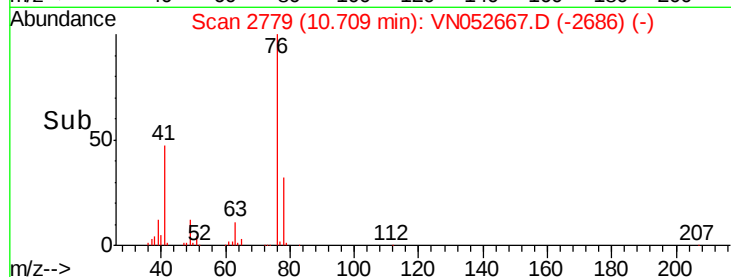
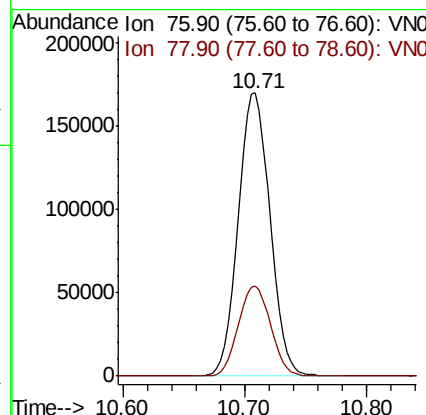
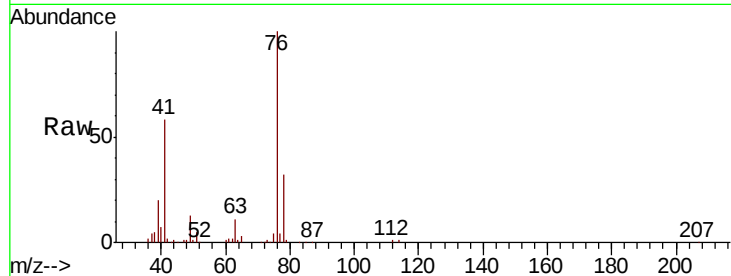




#57
 1,3-Dichloropropane
 Concen: 19.965 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

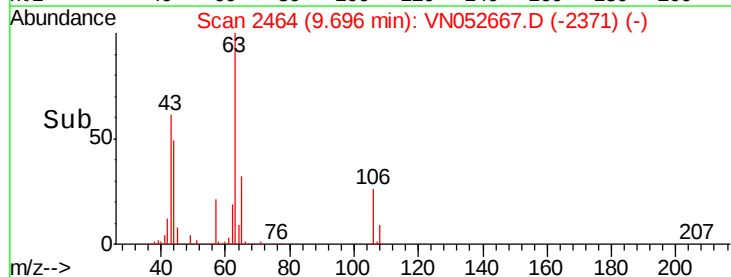
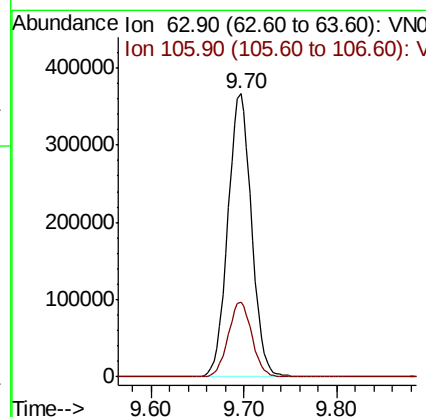
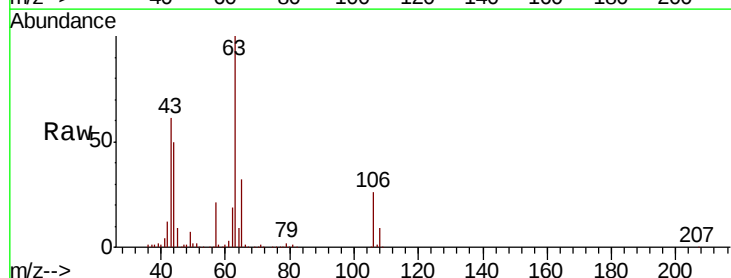
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

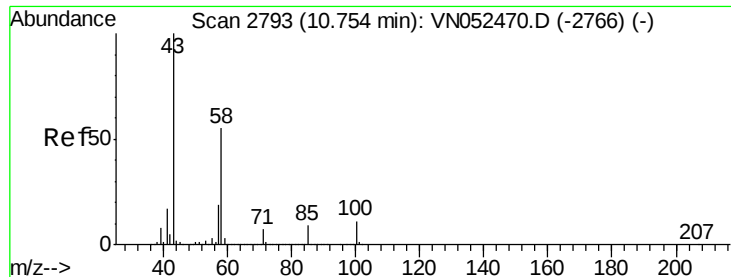
Tot Ion: 76 Resp: 307036
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.655 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion: 63 Resp: 648766
 Ion Ratio Lower Upper
 63 100
 106 26.5 20.6 30.8

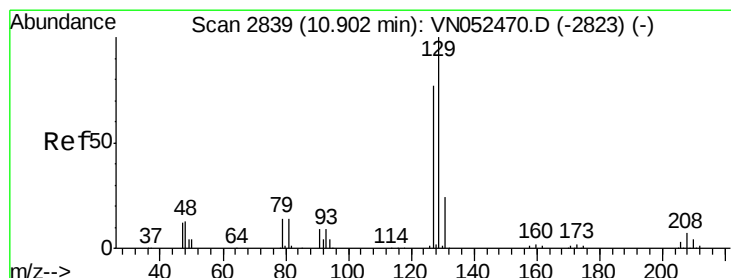
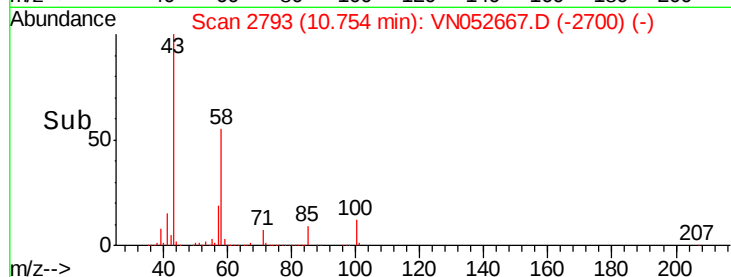
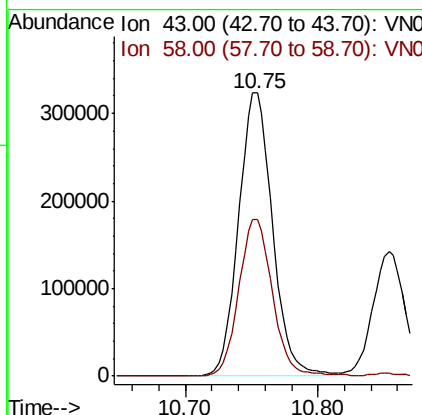
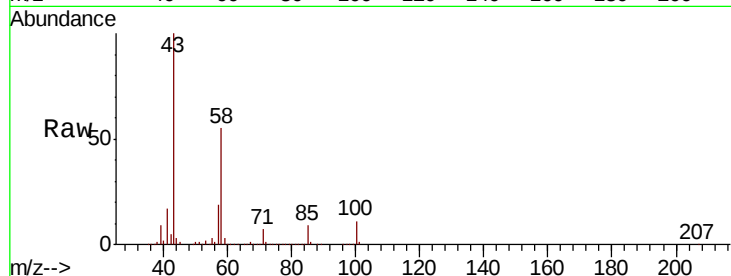




#59
2-Hexanone
Concen: 105.340 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

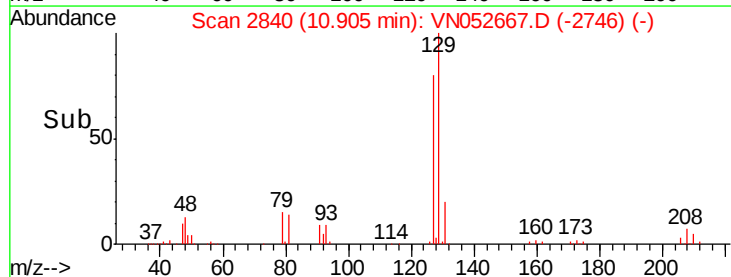
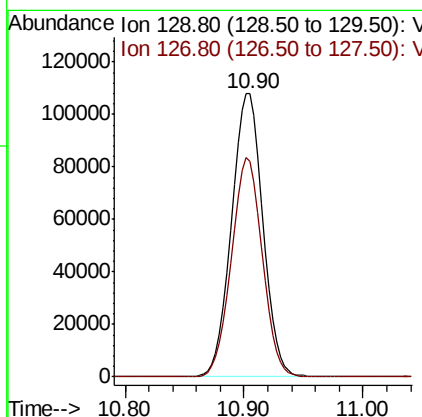
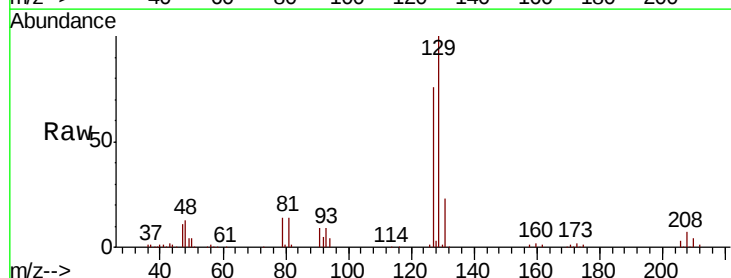
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

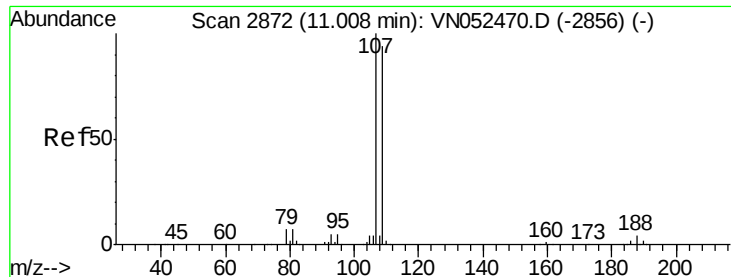
Tot Ion: 43 Resp: 572890
Ion Ratio Lower Upper
43 100
58 55.2 27.4 82.0



#60
Dibromochloromethane
Concen: 20.853 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion: 129 Resp: 197262
Ion Ratio Lower Upper
129 100
127 76.0 38.9 116.6

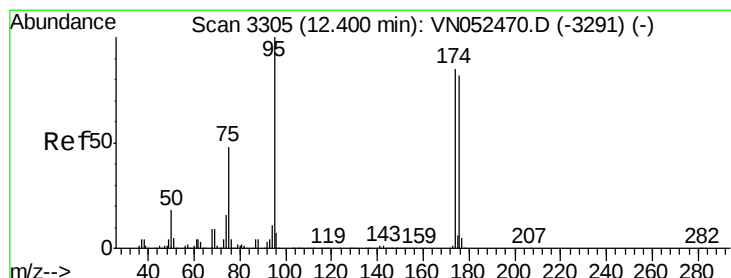
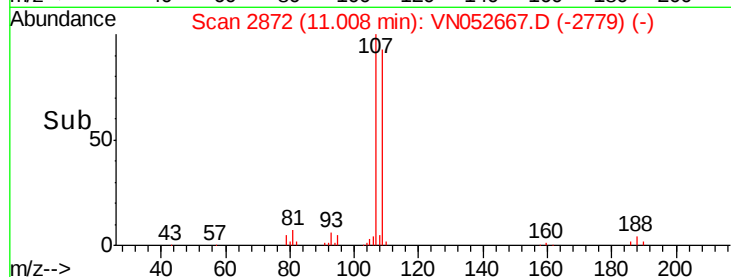
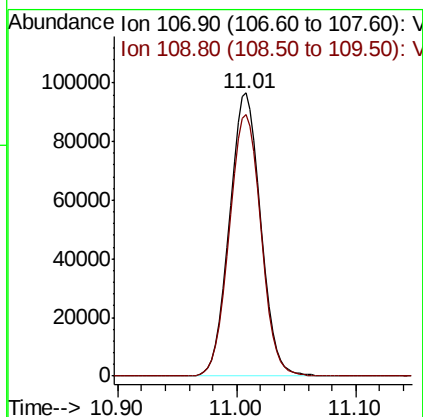
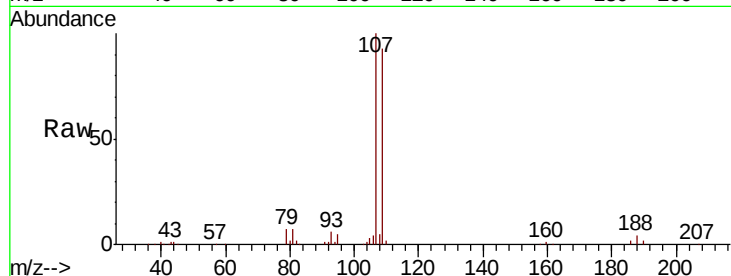




#61
 1,2-Dibromoethane
 Concen: 20.298 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

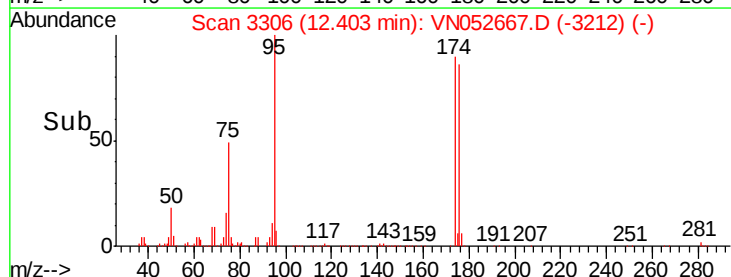
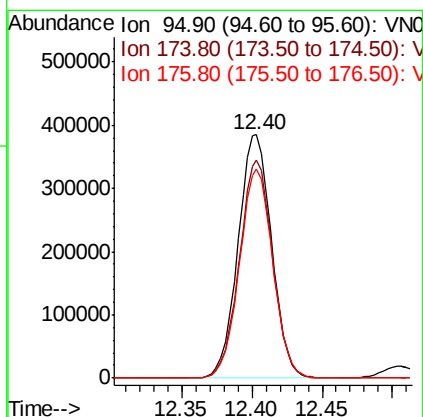
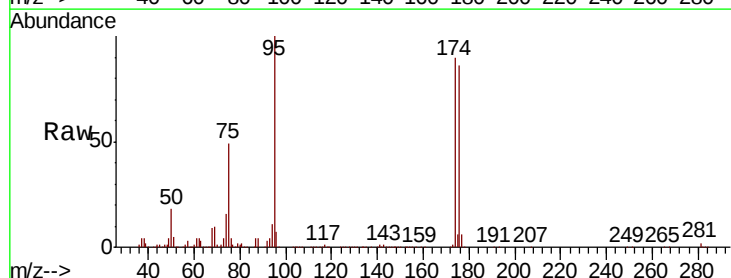
Instrument :
 MSVOA_N
 ClientSampled :
 VN1205WBS01

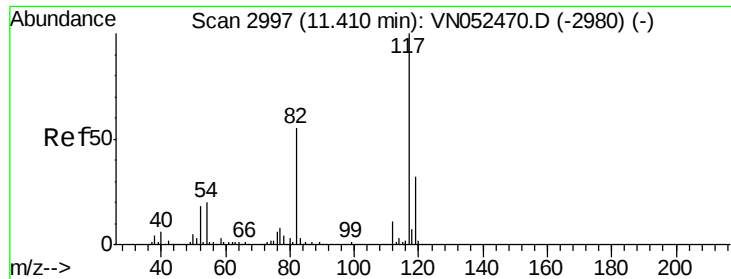
Tot Ion:107 Resp: 175586
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 20.298 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion: 95 Resp: 641014
 Ion Ratio Lower Upper
 95 100
 174 88.5 0.0 173.0
 176 85.4 0.0 166.2

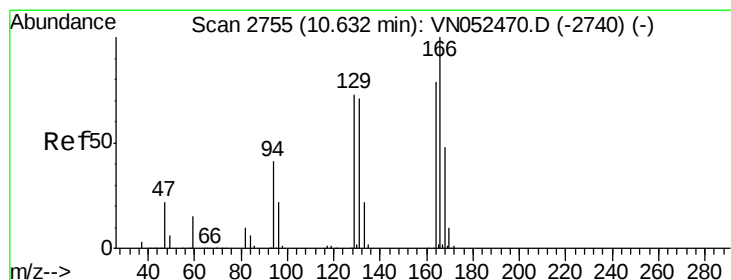
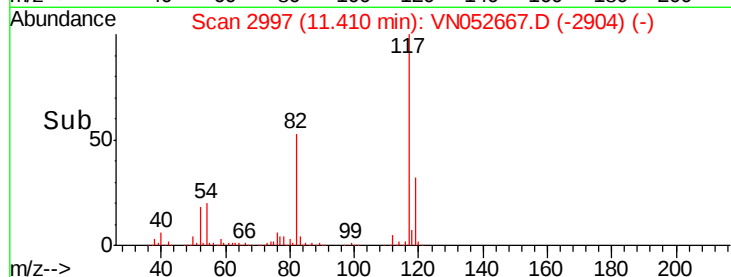
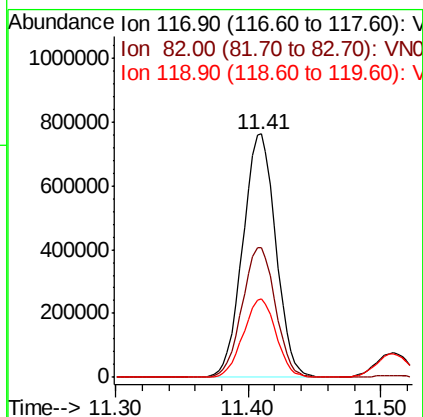
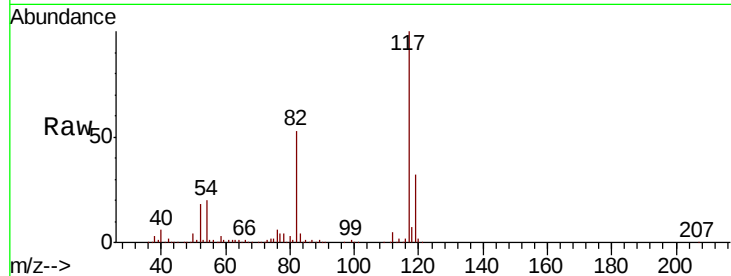




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

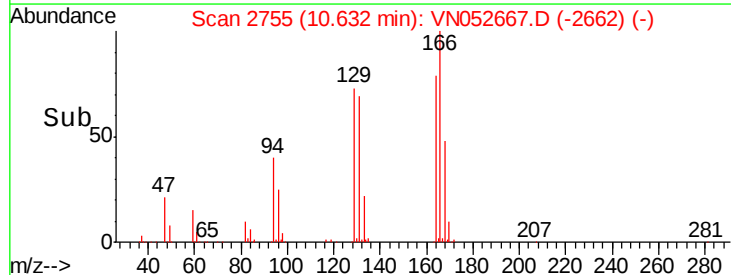
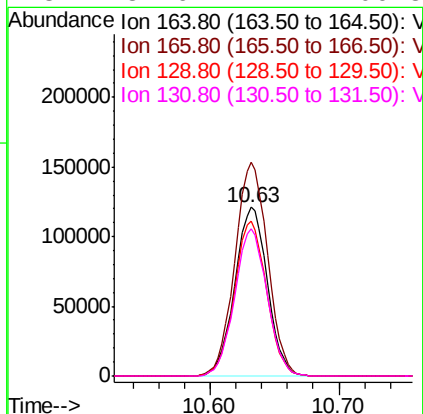
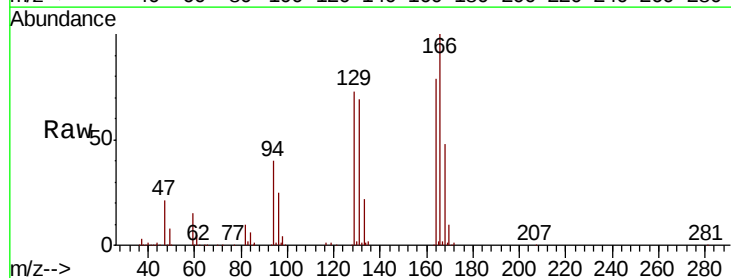
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion:117 Resp: 1315801
Ion Ratio Lower Upper
117 100
82 53.3 43.6 65.4
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 20.811 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion:164 Resp: 212307
Ion Ratio Lower Upper
164 100
166 126.8 101.0 151.4
129 92.0 73.8 110.6
131 87.6 71.2 106.8





#65

Chlorobenzene

Concen: 19.887 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

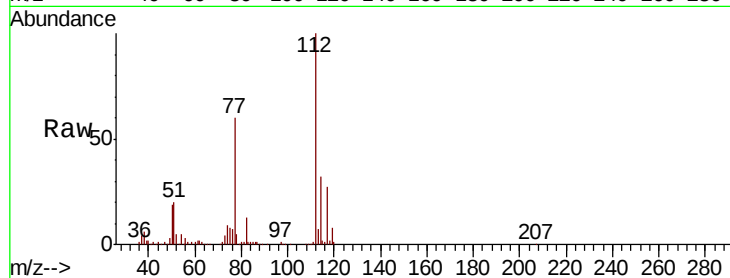
VN1205WBS01

Tot Ion:112 Resp: 539569

Ion Ratio Lower Upper

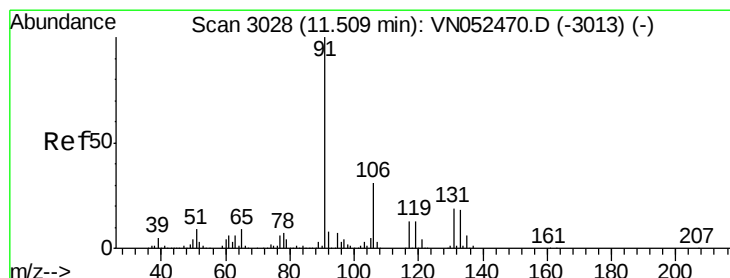
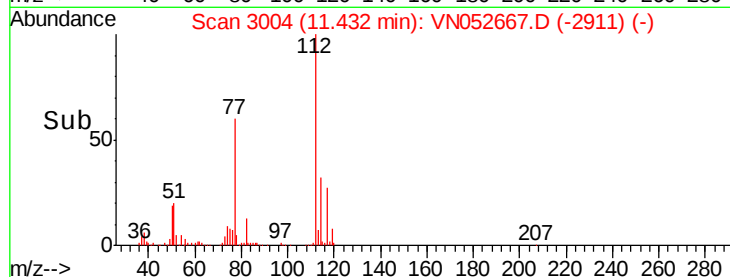
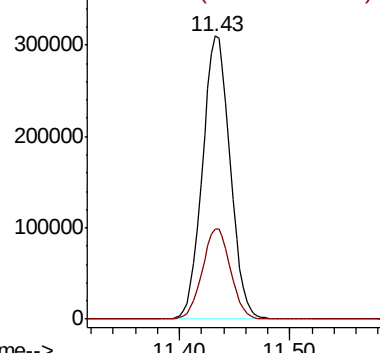
112 100

114 32.0 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.668 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

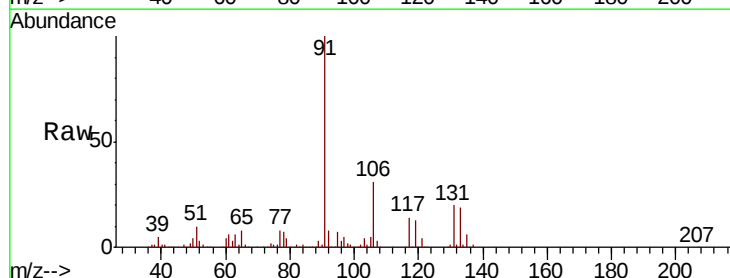
Tgt Ion:131 Resp: 194982

Ion Ratio Lower Upper

131 100

133 95.4 47.6 142.8

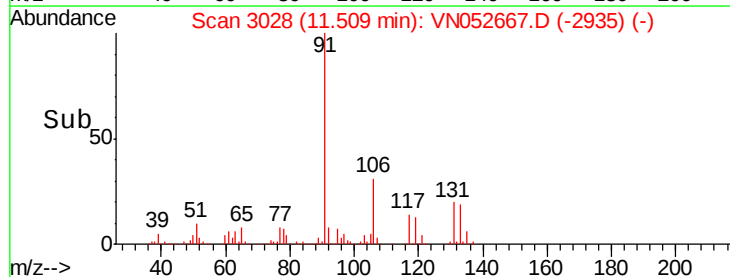
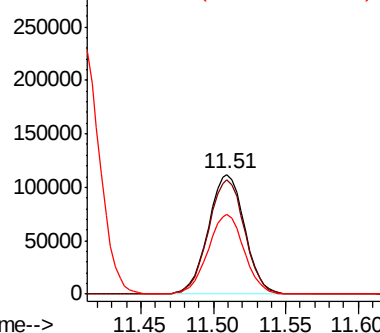
119 66.2 33.2 99.6

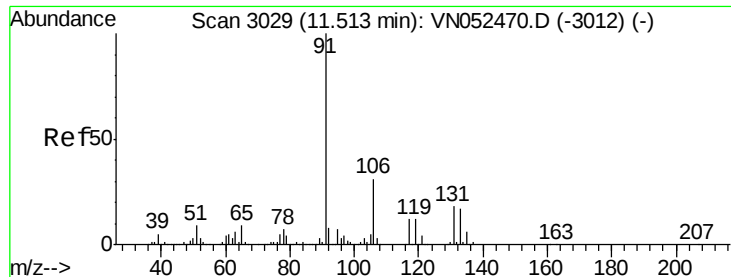


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

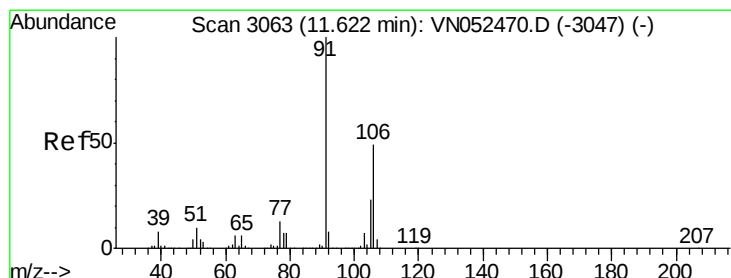
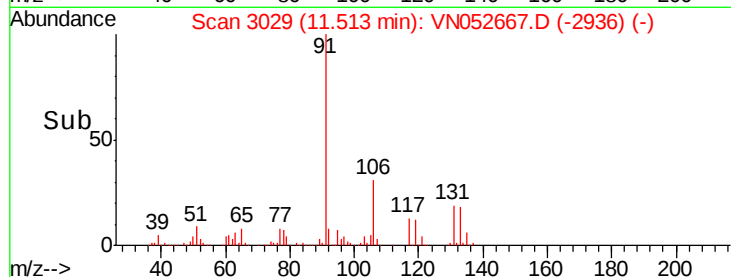
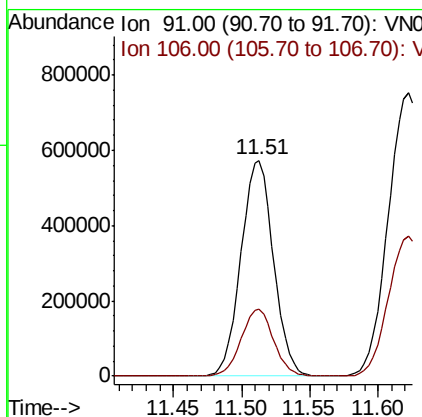
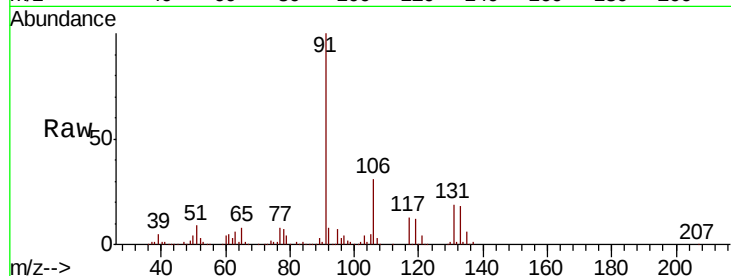




#67
Ethyl Benzene
Concen: 19.986 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

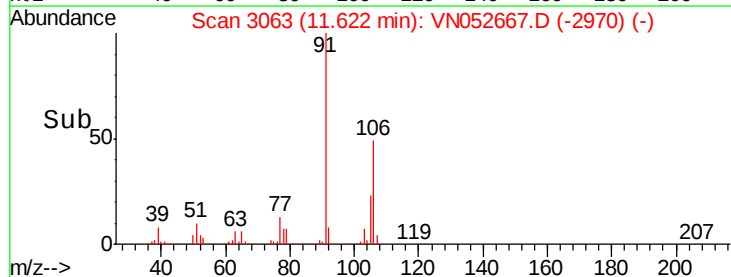
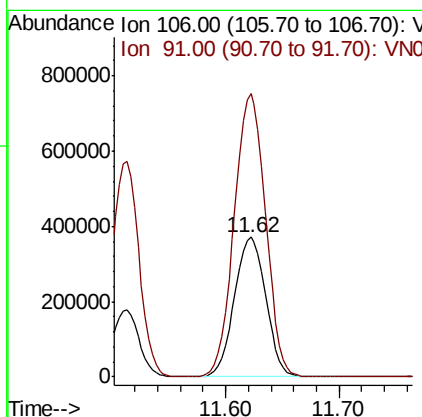
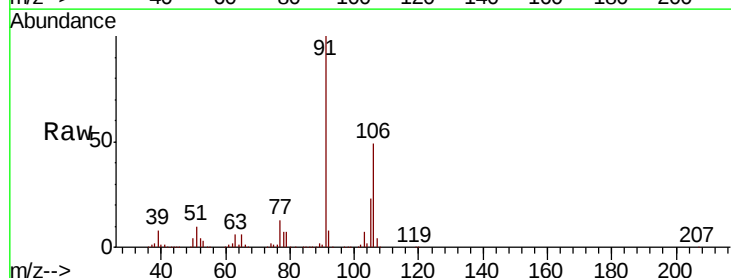
Instrument :
MSVOA_N
ClientSampled :
VN1205WBS01

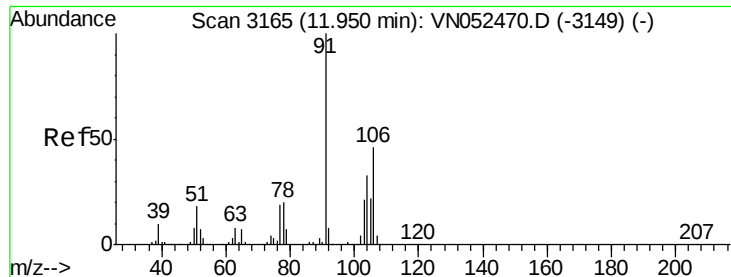
Tot Ion: 91 Resp: 949560
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3



#68
m/p-Xylenes
Concen: 40.624 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion: 106 Resp: 718550
Ion Ratio Lower Upper
106 100
91 202.0 163.2 244.8

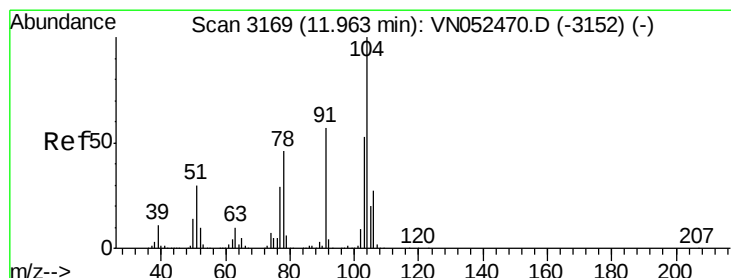
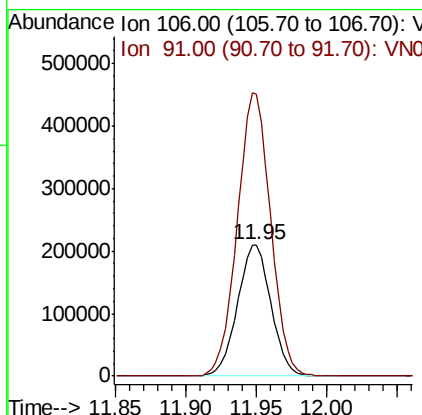
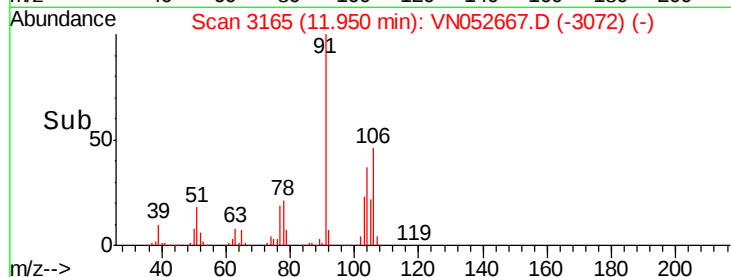
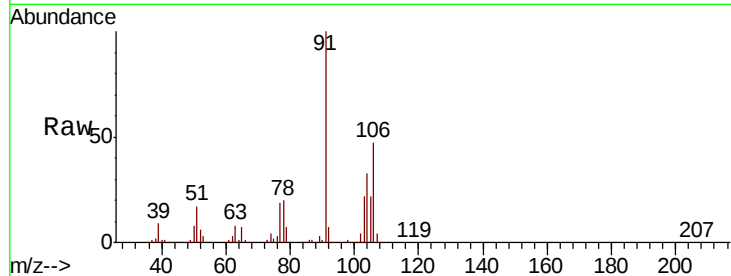




#69
o-Xylene
Concen: 20.307 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

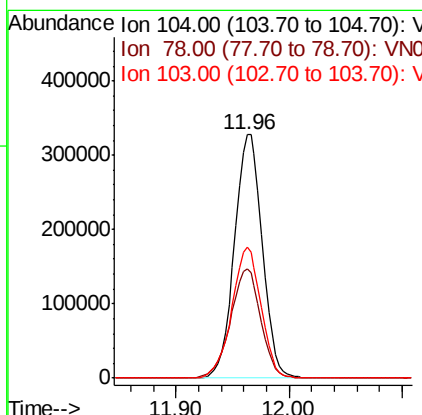
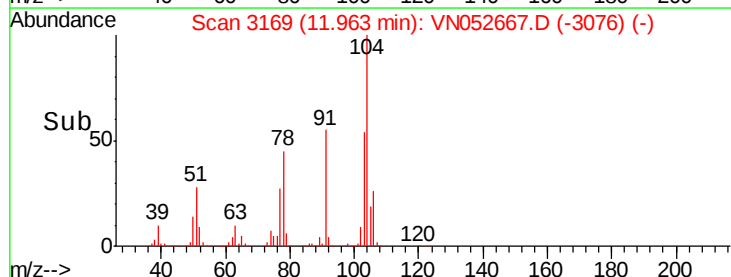
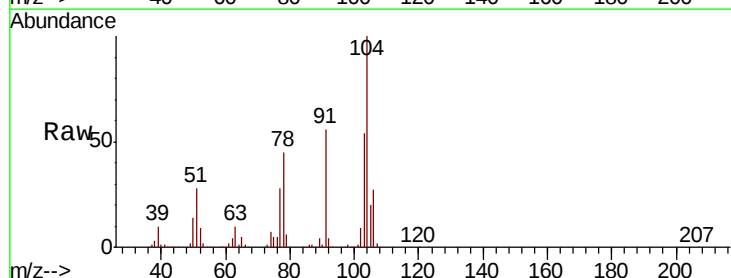
Instrument :
MSVOA_N
ClientSampled :
VN1205WBS01

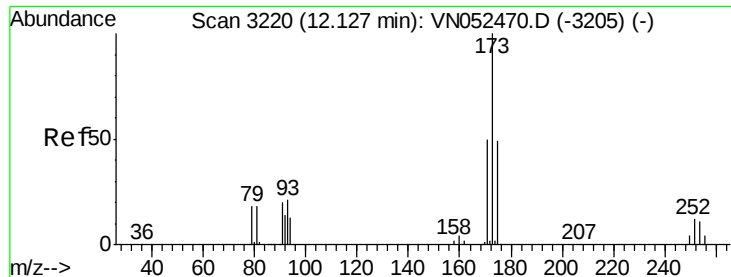
Tot Ion:106 Resp: 348793
Ion Ratio Lower Upper
106 100
91 214.8 107.7 323.1



#70
Styrene
Concen: 20.505 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion:104 Resp: 560980
Ion Ratio Lower Upper
104 100
78 48.7 39.4 59.2
103 56.4 44.9 67.3





#71

Bromoform

Concen: 21.074 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

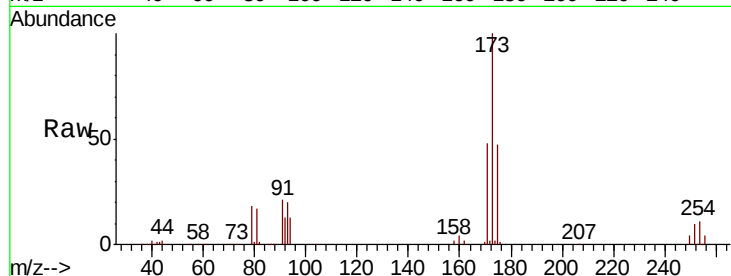
Tot Ion:173 Resp: 131635

Ion Ratio Lower Upper

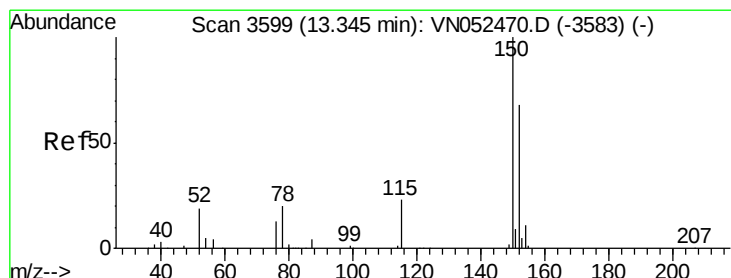
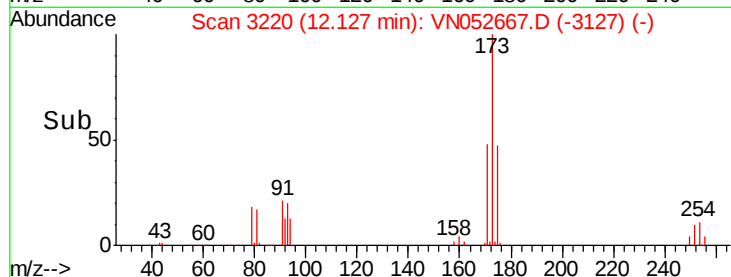
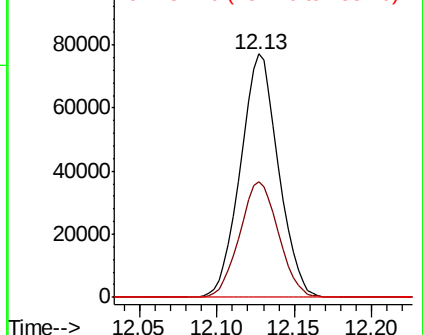
173 100

175 48.5 24.4 73.2

254 0.1 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

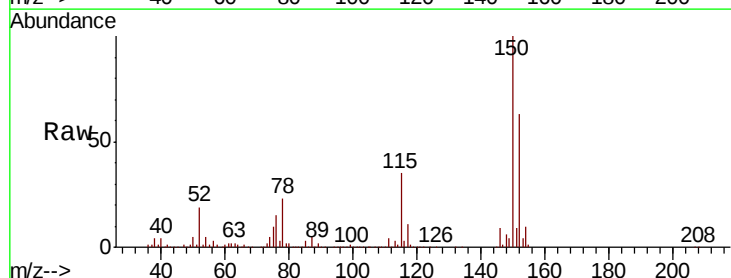
Tgt Ion:152 Resp: 599088

Ion Ratio Lower Upper

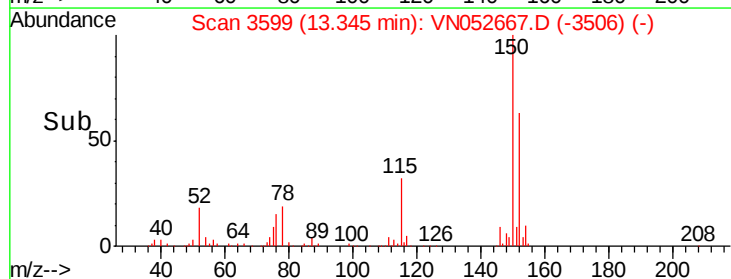
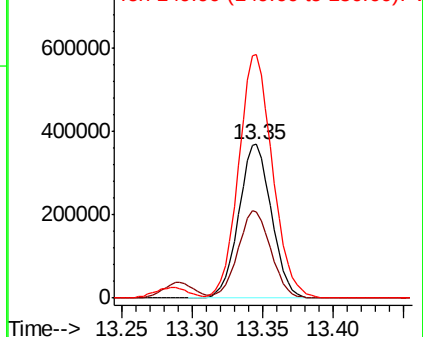
152 100

115 56.7 28.4 85.2

150 164.0 0.0 346.0



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: 19.964 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

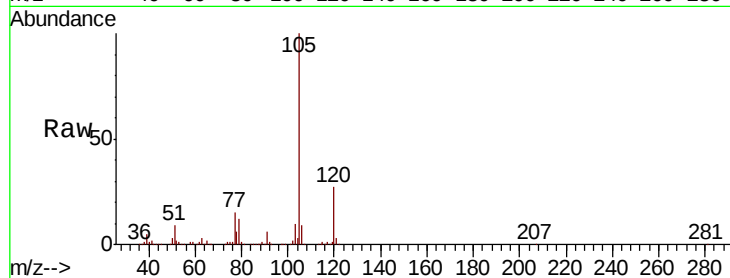
VN1205WBS01

Tot Ion:105 Resp: 938351

Ion Ratio Lower Upper

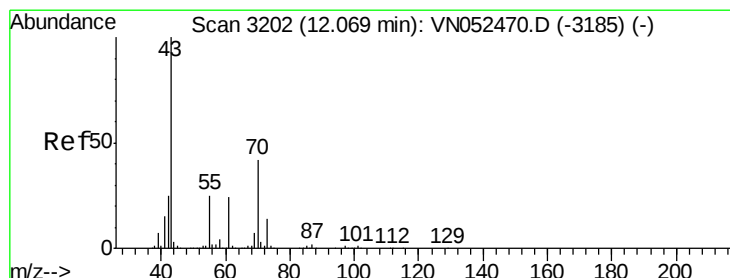
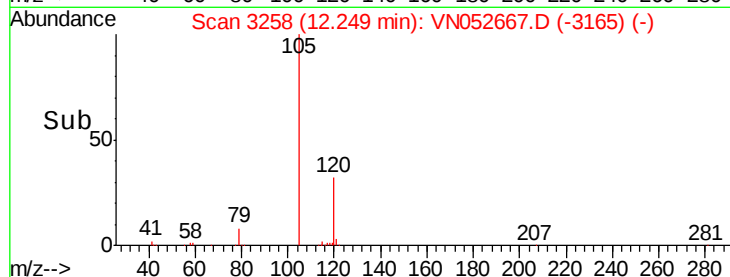
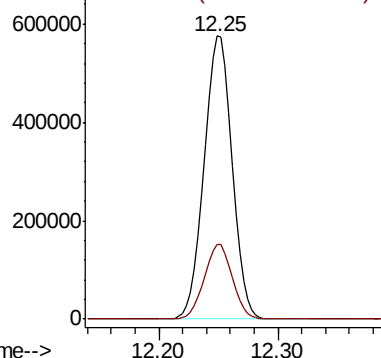
105 100

120 26.5 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.523 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Tgt Ion: 43 Resp: 231826

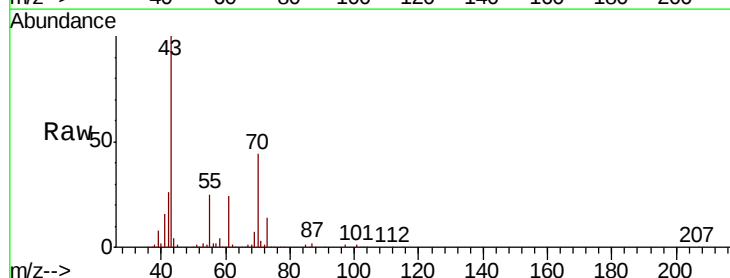
Ion Ratio Lower Upper

43 100

70 43.2 33.8 50.8

55 25.7 20.0 30.0

61 24.3 19.7 29.5

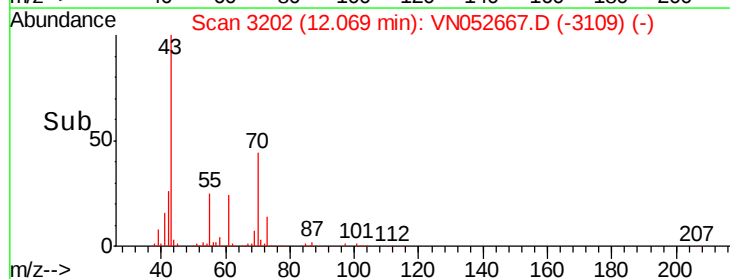
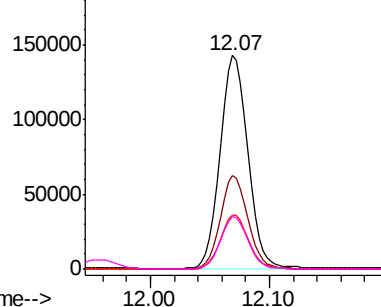


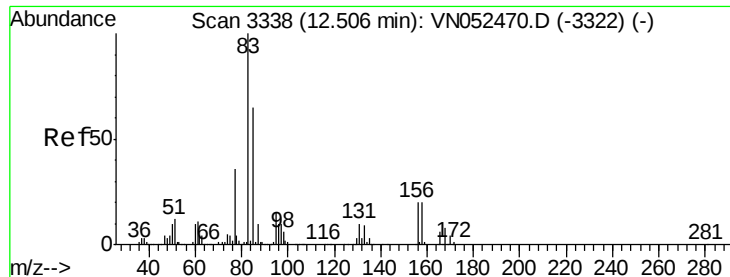
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.159 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

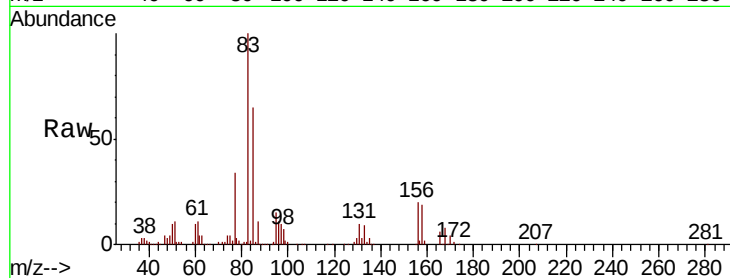
Tot Ion: 83 Resp: 215540

Ion Ratio Lower Upper

83 100

131 10.6 5.0 15.0

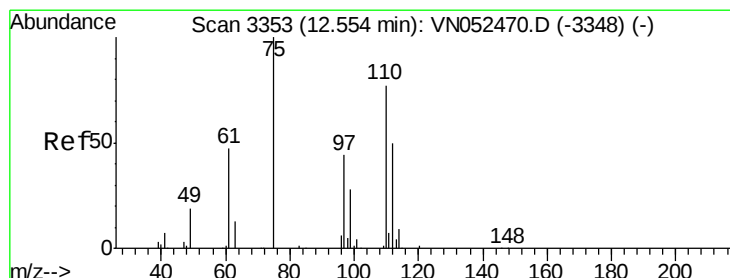
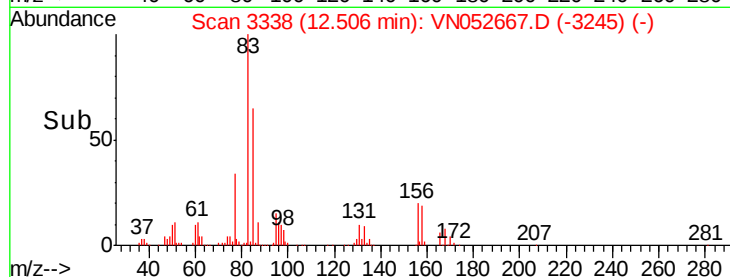
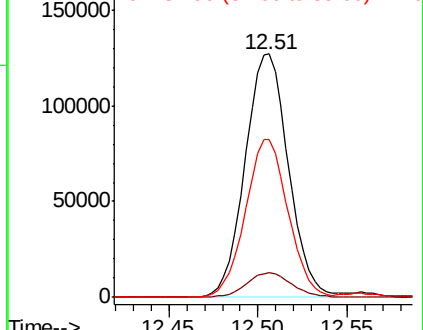
85 63.9 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.123 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052667.D

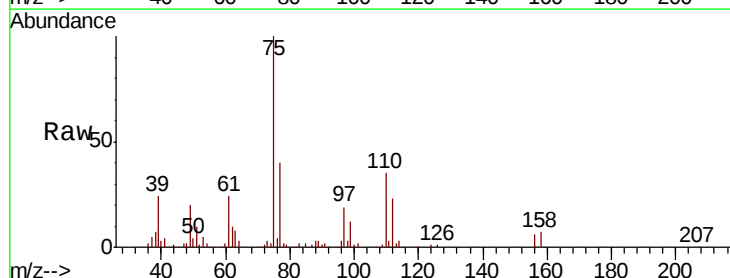
Acq: 5 Dec 2018 11:06

Tgt Ion: 75 Resp: 259806

Ion Ratio Lower Upper

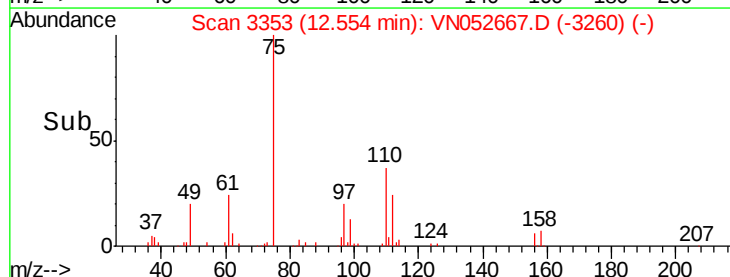
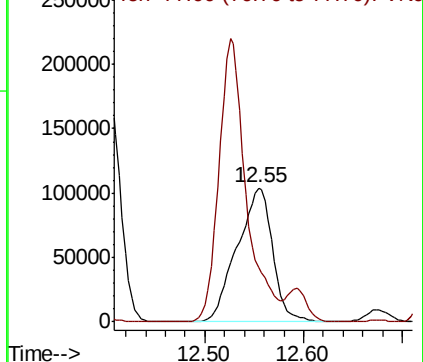
75 100

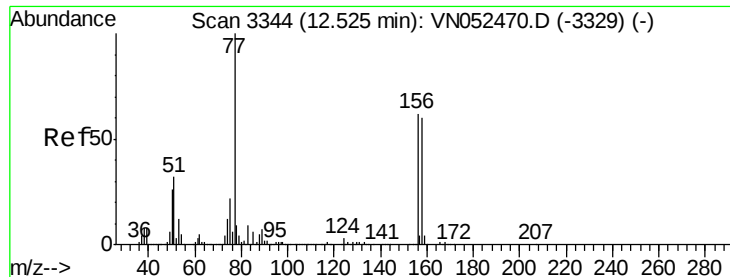
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.741 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

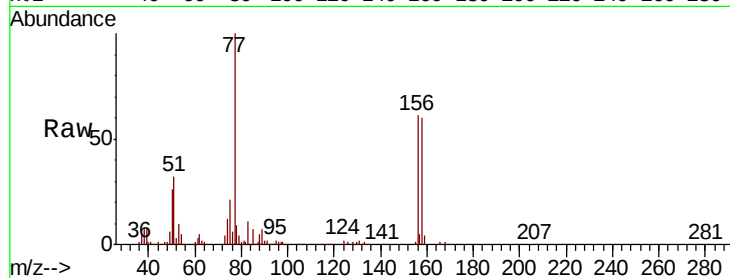
Tot Ion:156 Resp: 229342

Ion Ratio Lower Upper

156 100

77 186.2 93.5 280.4

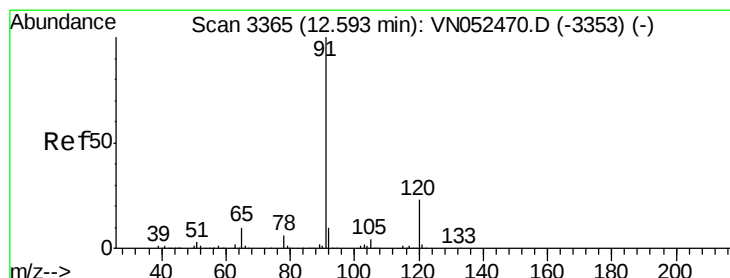
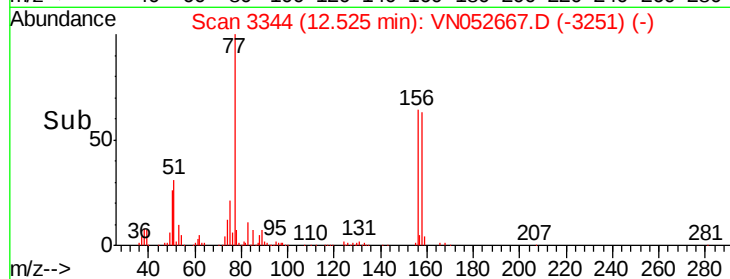
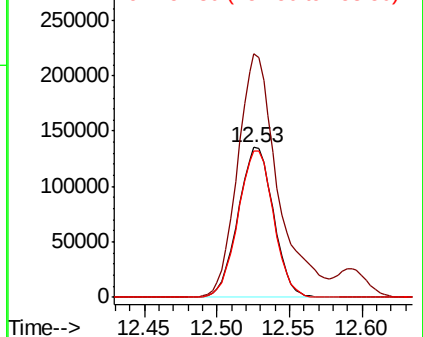
158 98.2 48.3 144.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.173 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052667.D

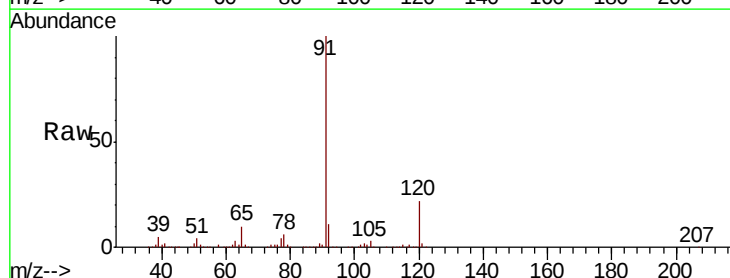
Acq: 5 Dec 2018 11:06

Tgt Ion: 91 Resp: 1077189

Ion Ratio Lower Upper

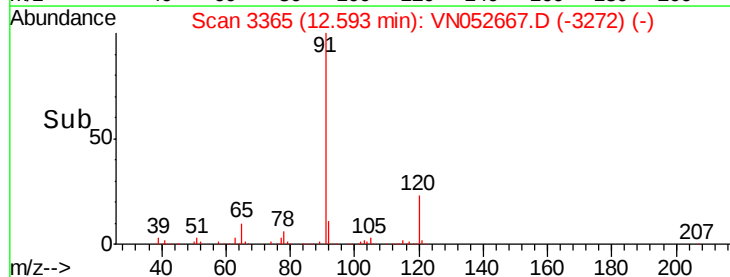
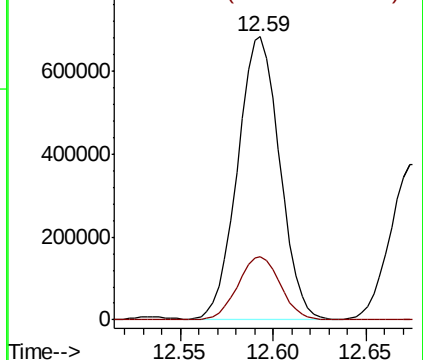
91 100

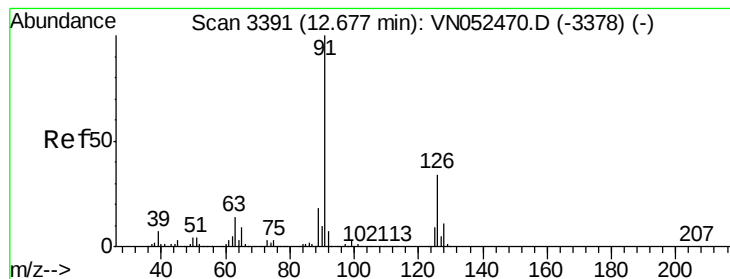
120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.895 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

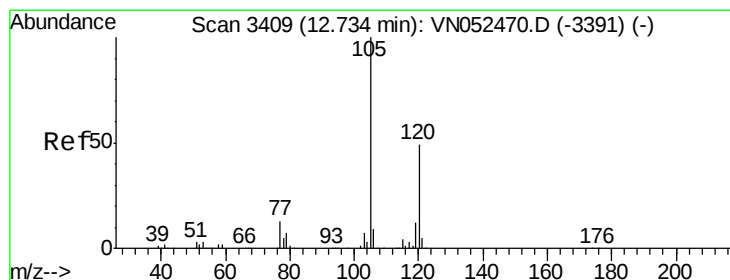
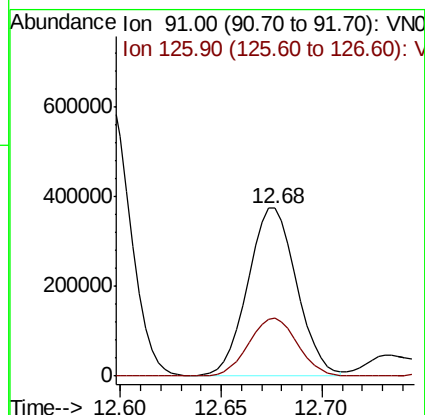
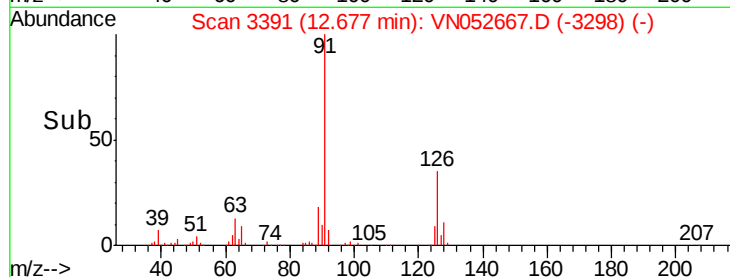
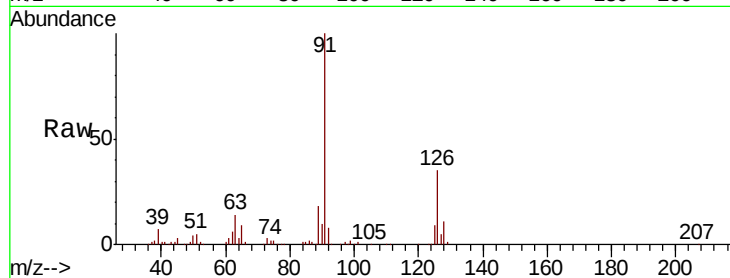
VN1205WBS01

Tot Ion: 91 Resp: 632620

Ion Ratio Lower Upper

91 100

126 34.9 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 20.464 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052667.D

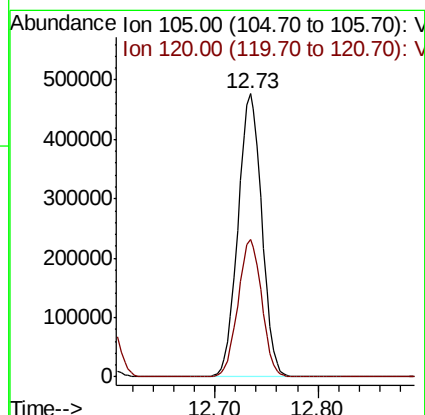
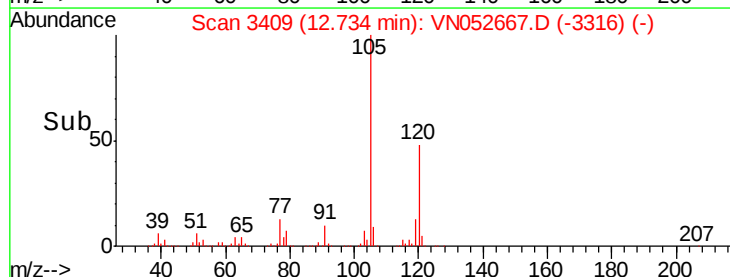
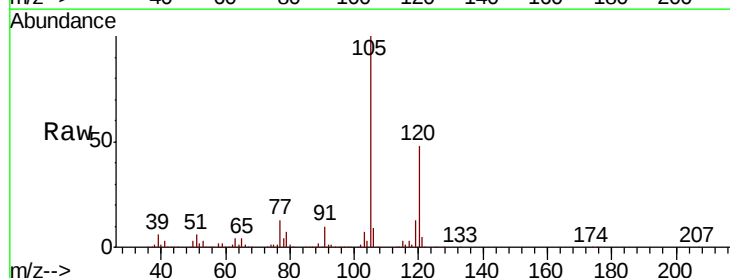
Acq: 5 Dec 2018 11:06

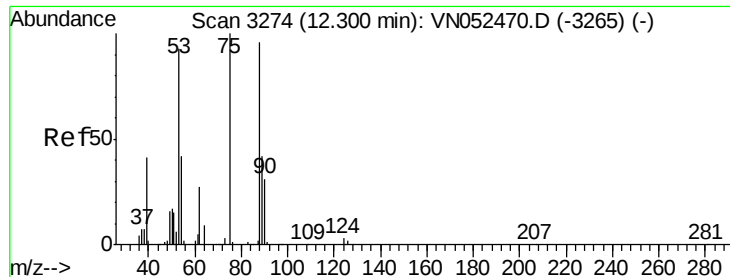
Tgt Ion: 105 Resp: 767121

Ion Ratio Lower Upper

105 100

120 48.3 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.680 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

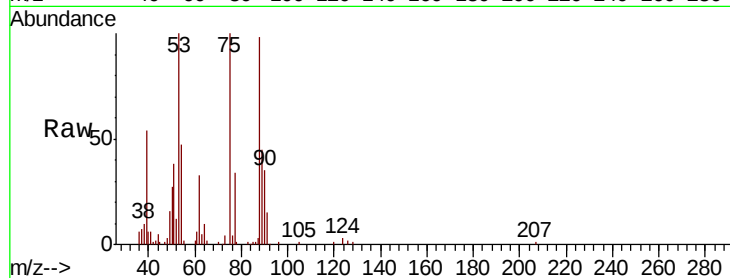
Tot Ion: 75 Resp: 54442

Ion Ratio Lower Upper

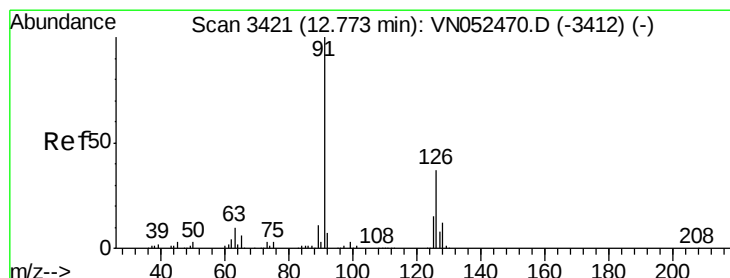
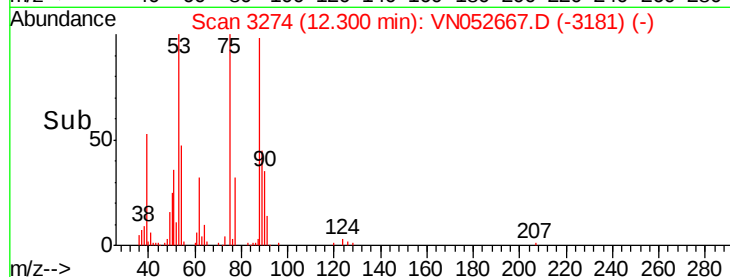
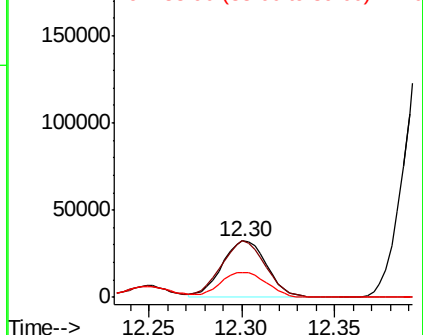
75 100

53 97.4 77.4 116.0

89 44.9 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 19.969 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052667.D

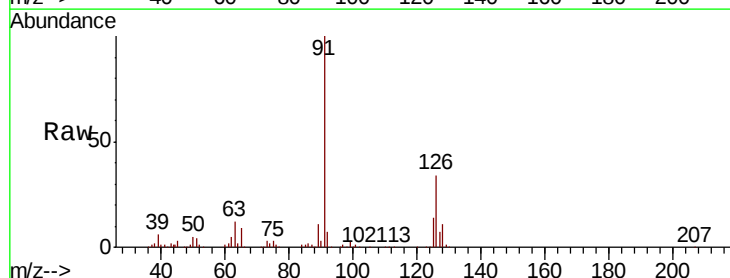
Acq: 5 Dec 2018 11:06

Tgt Ion: 91 Resp: 639961

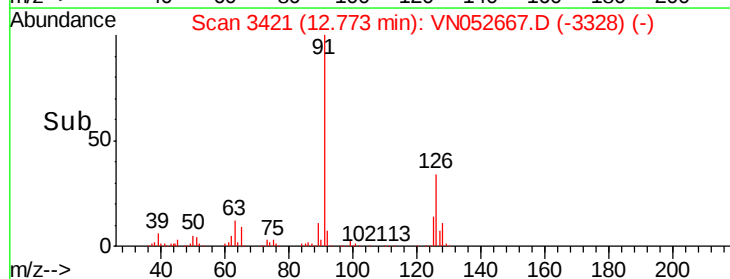
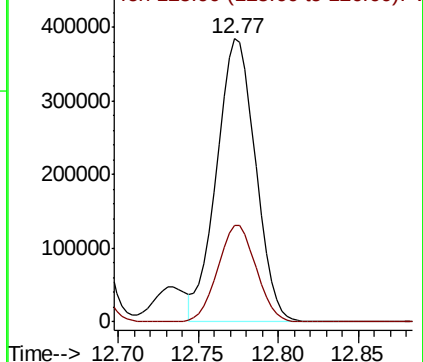
Ion Ratio Lower Upper

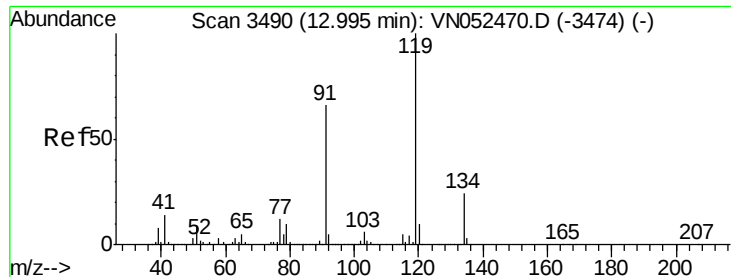
91 100

126 33.8 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V

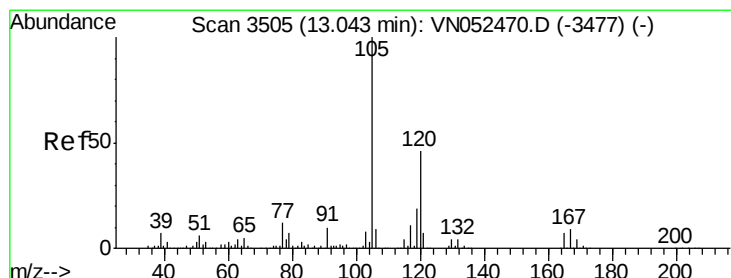
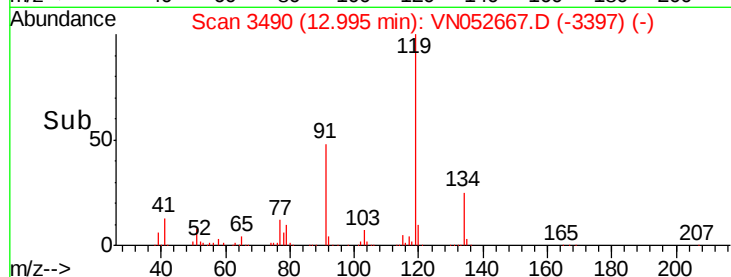
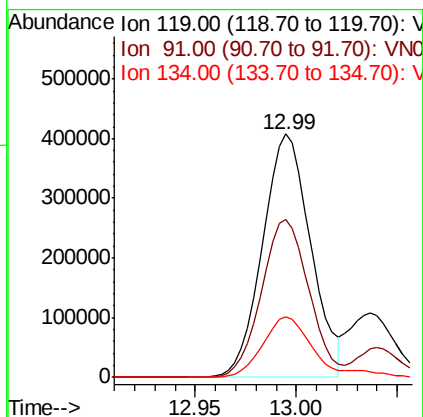
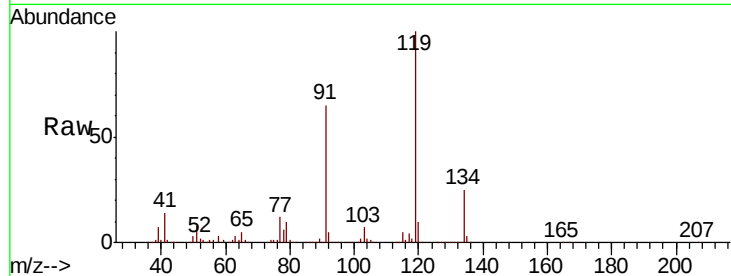




#83
 tert-Butylbenzene
 Concen: 20.288 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

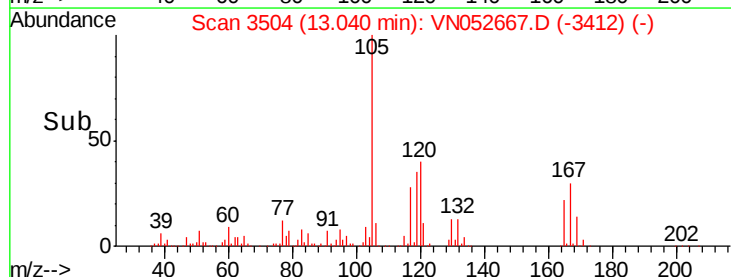
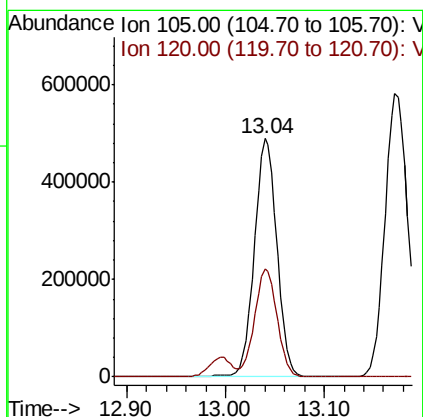
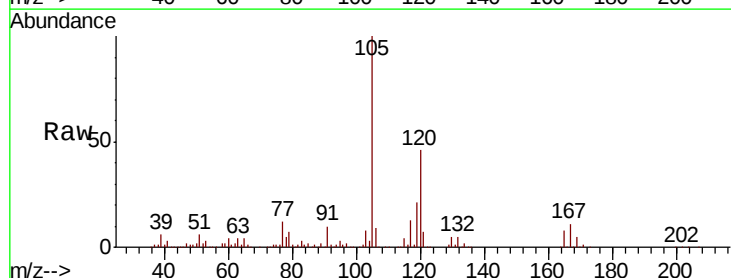
Instrument :
 MSVOA_N
 ClientSampled :
 VN1205WBS01

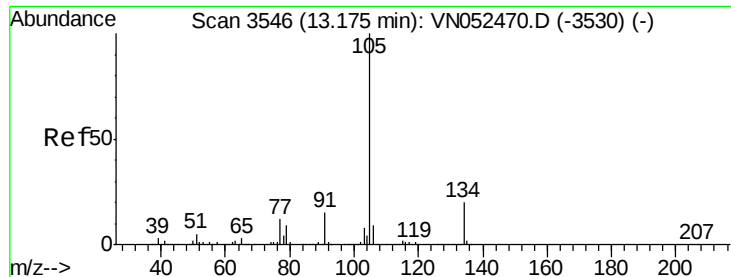
Tot Ion:119 Resp: 678002
 Ion Ratio Lower Upper
 119 100
 91 64.0 32.3 96.9
 134 26.4 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.410 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion:105 Resp: 766764
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.8 68.4





#85

sec-Butylbenzene

Concen: 20.415 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

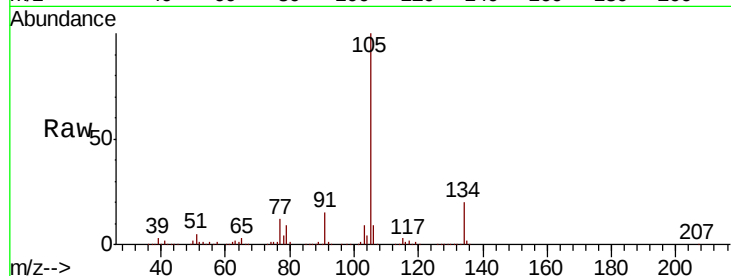
VN1205WBS01

Tot Ion:105 Resp: 929245

Ion Ratio Lower Upper

105 100

134 19.8 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

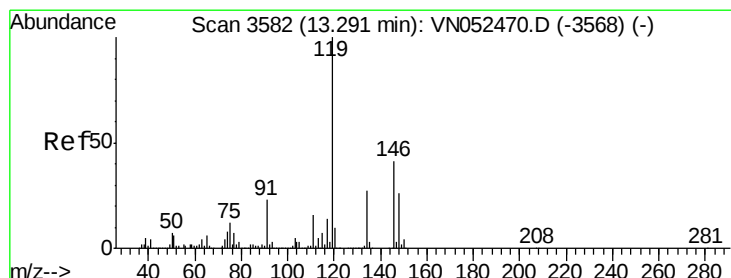
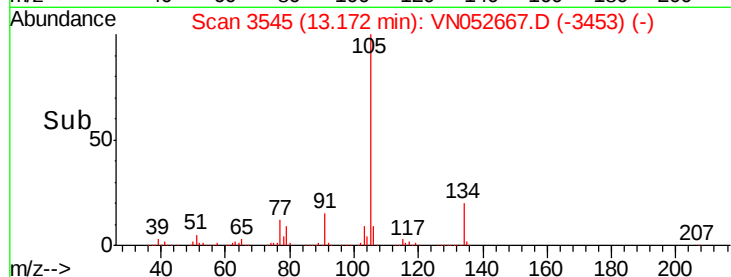
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.583 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

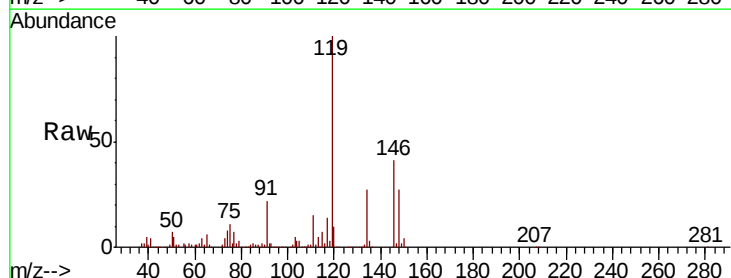
Tgt Ion:119 Resp: 797995

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 22.6 11.4 34.2



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

13.29

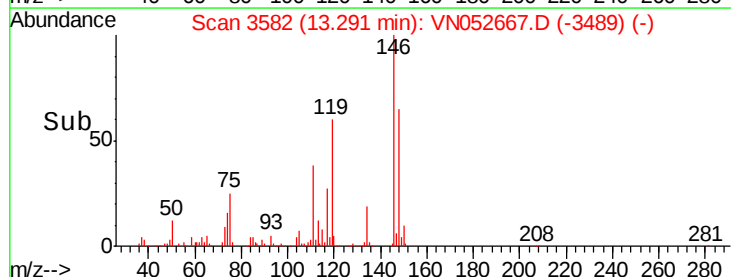
600000

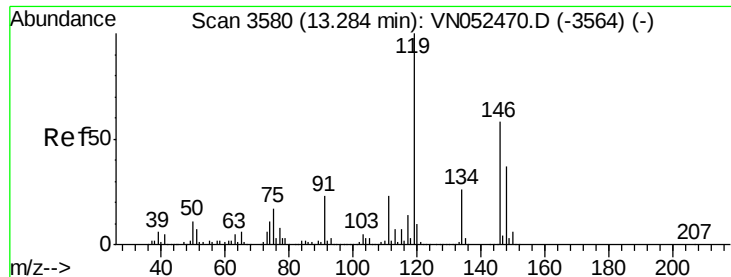
400000

200000

0

Time-->

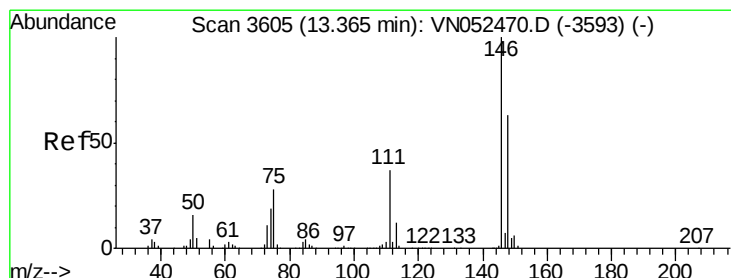
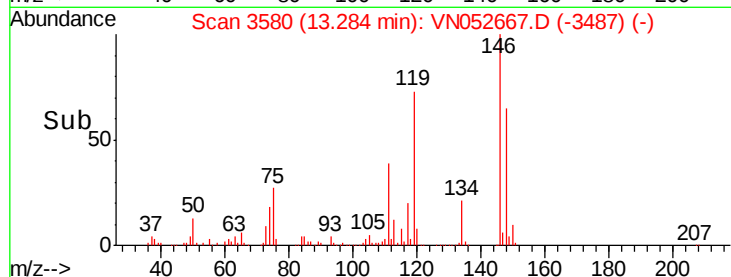
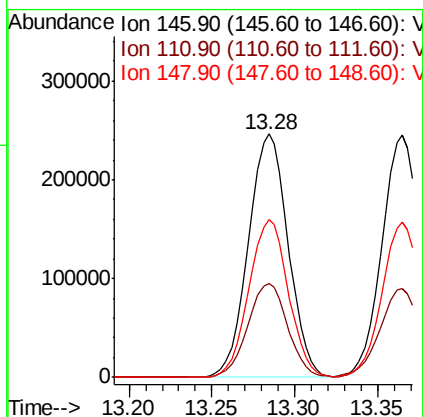
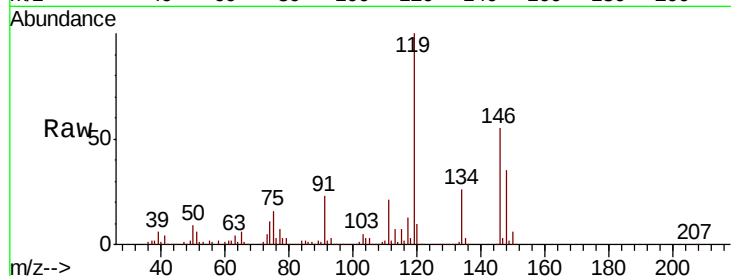




#87
 1,3-Dichlorobenzene
 Concen: 20.184 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

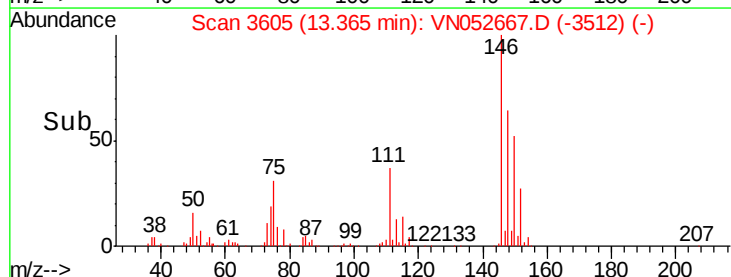
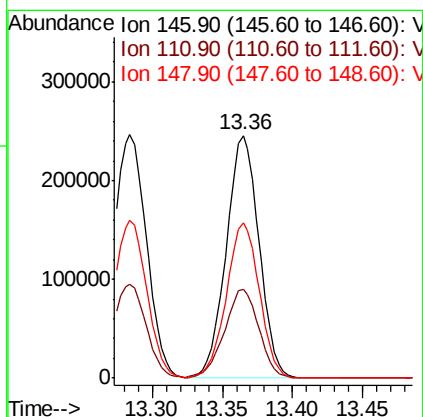
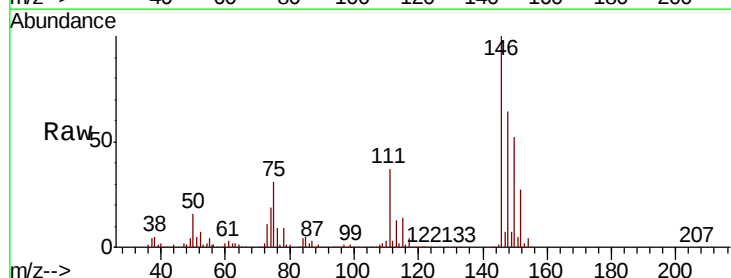
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

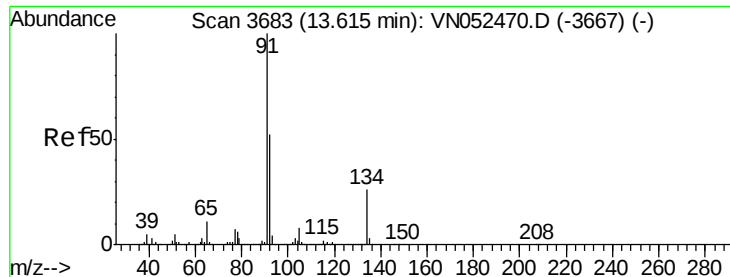
Tot Ion:146 Resp: 410168
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.4 58.4
 148 64.3 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.940 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion:146 Resp: 399147
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.6 56.0
 148 64.4 31.9 95.9





#89

n-Butylbenzene

Concen: 20.304 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

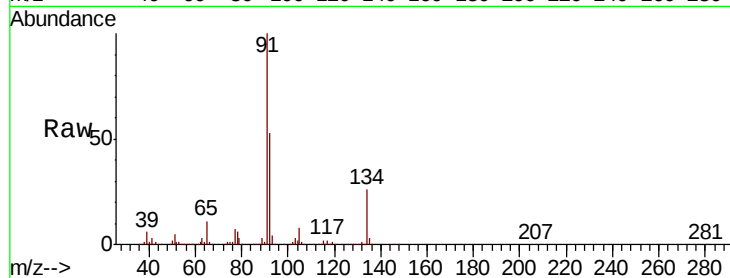
Tot Ion: 91 Resp: 654635

Ion Ratio Lower Upper

91 100

92 52.2 26.1 78.3

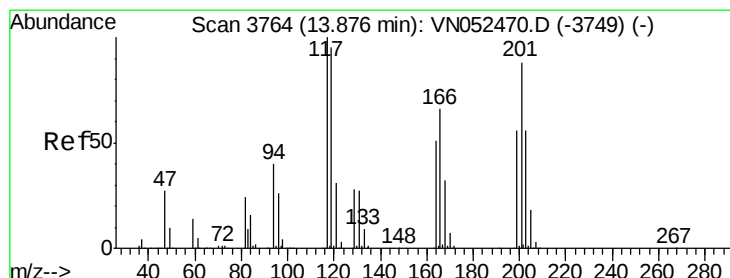
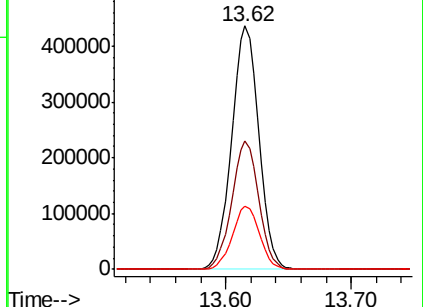
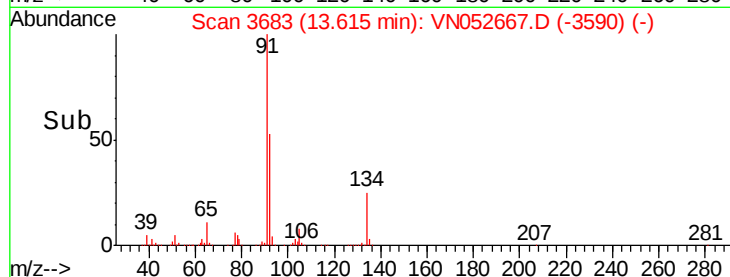
134 25.9 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052470.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052470.D (-3667) (-)



#90

Hexachloroethane

Concen: 20.150 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052667.D

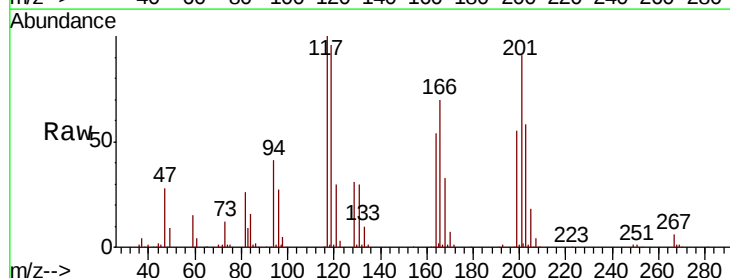
Acq: 5 Dec 2018 11:06

Tgt Ion: 117 Resp: 132274

Ion Ratio Lower Upper

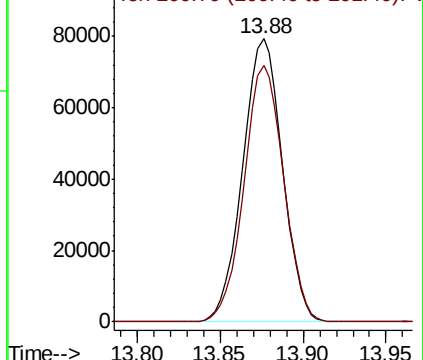
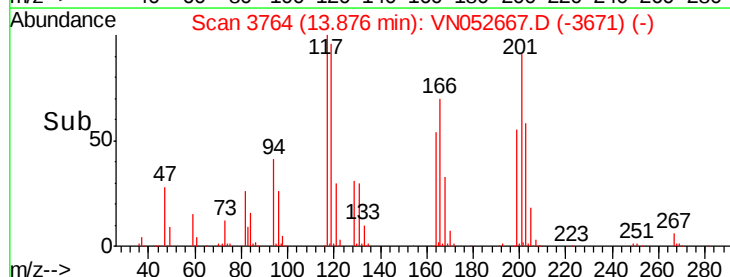
117 100

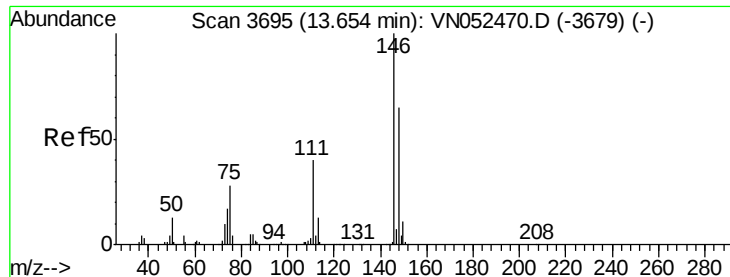
201 90.4 43.6 130.9



Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052470.D (-3749) (-)

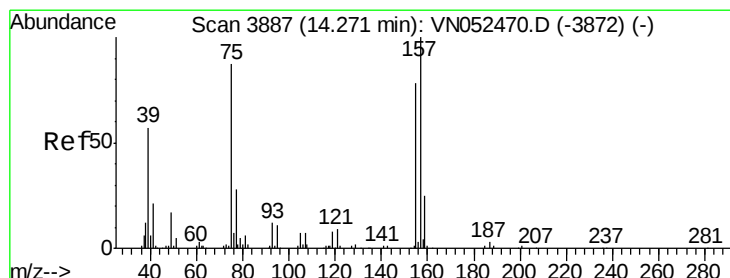
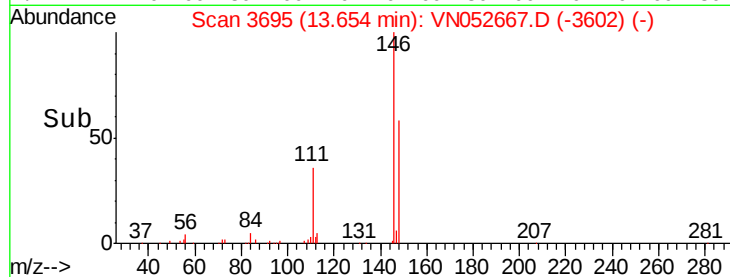
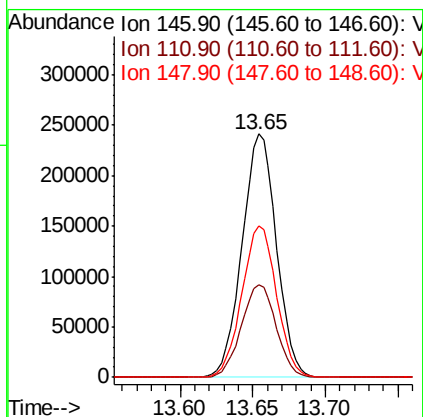
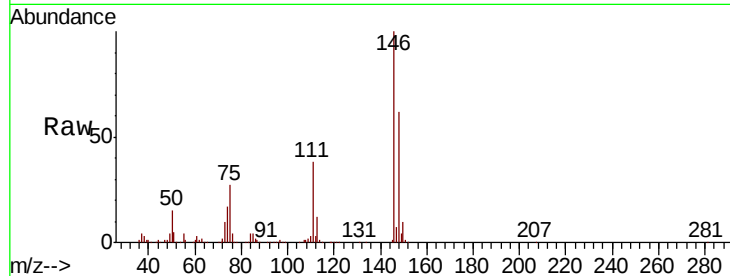




#91
 1,2-Dichlorobenzene
 Concen: 20.522 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

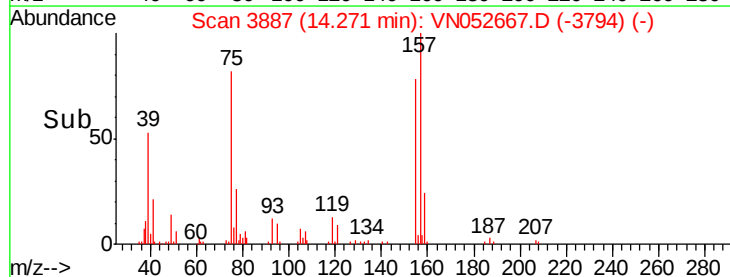
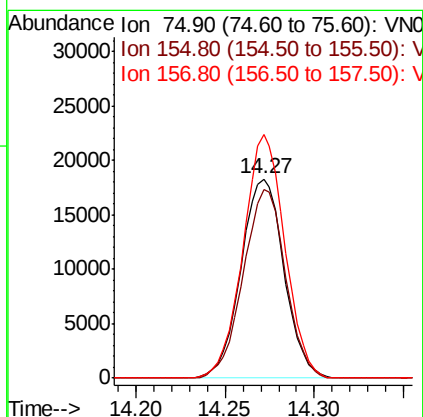
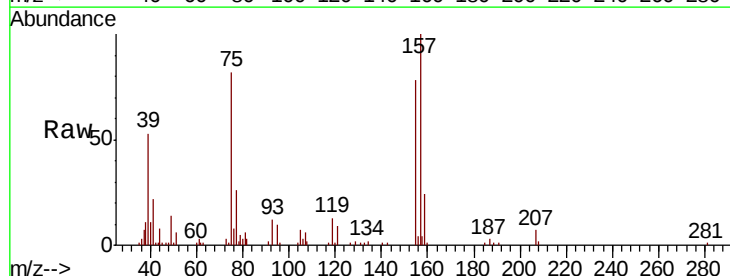
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

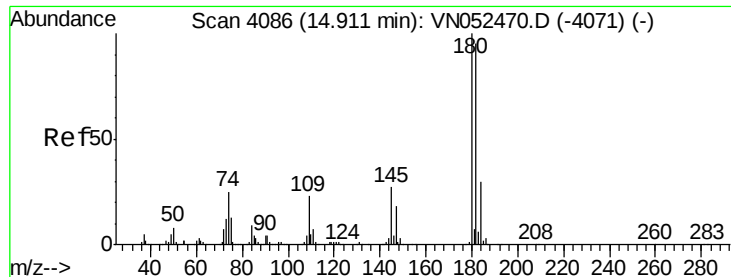
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.0	60.0
148	62.7	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.175 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	45.3	135.9
157	118.1	58.1	174.2

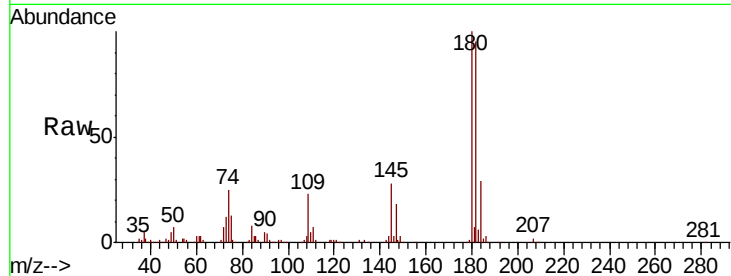




#93
 1,2,4-Trichlorobenzene
 Concen: 19.681 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.8	143.4
145	28.7	14.1	42.3

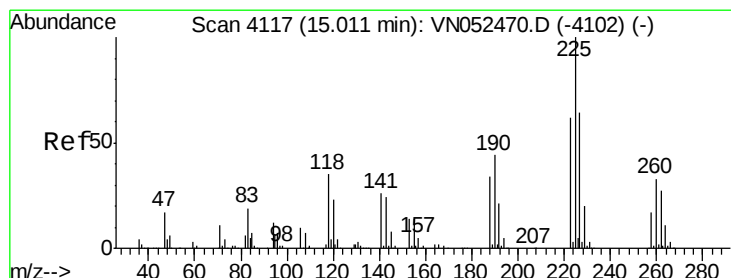
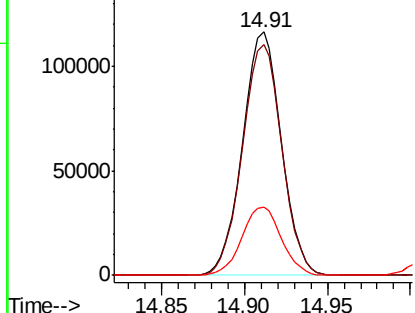
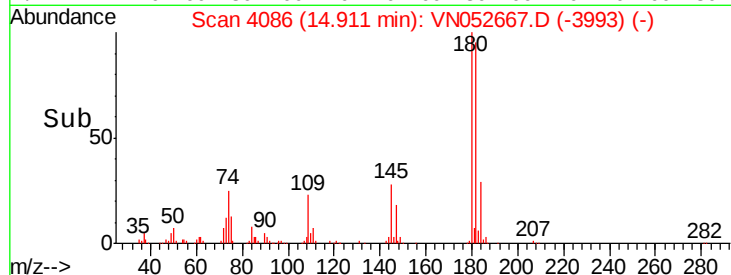


Abundance

Ion 179.80 (179.50 to 180.50): V

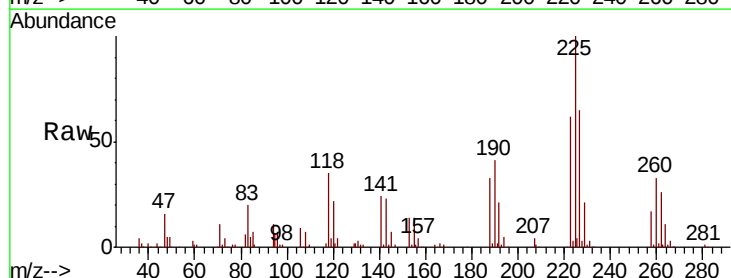
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.130 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.4	94.2
227	64.2	32.5	97.4

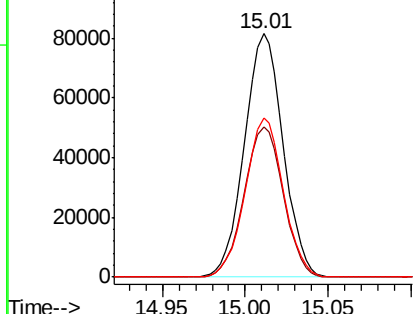
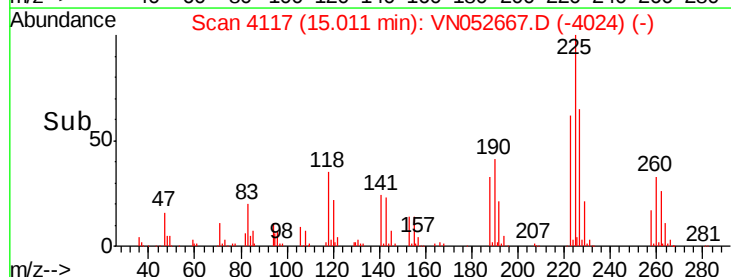


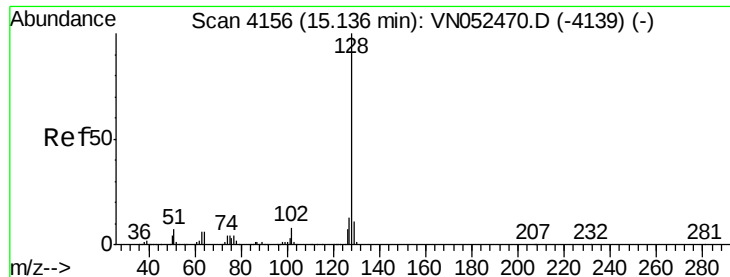
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.128 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

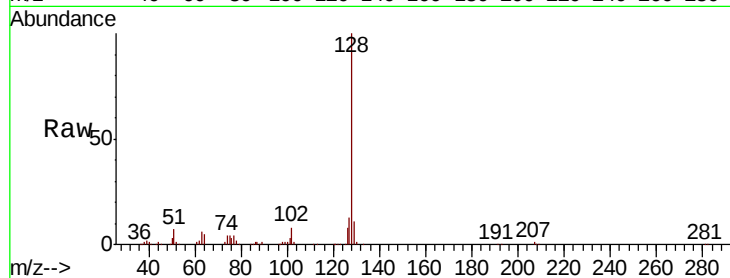
Tot Ion:128 Resp: 380173

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

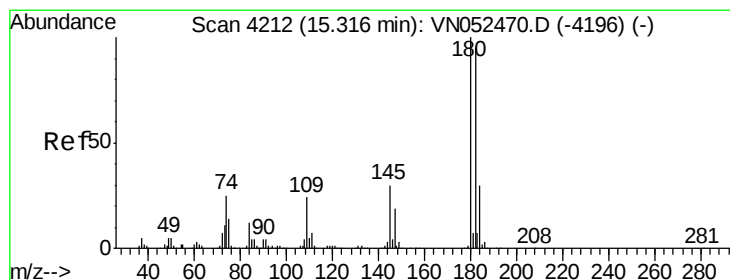
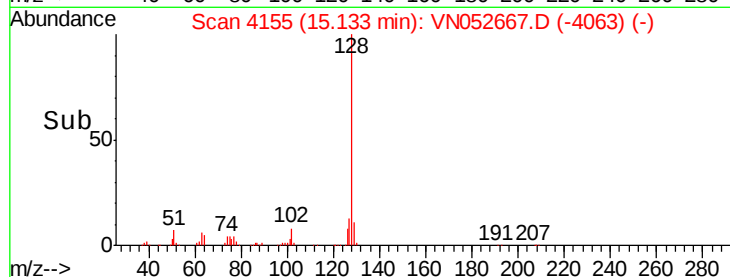
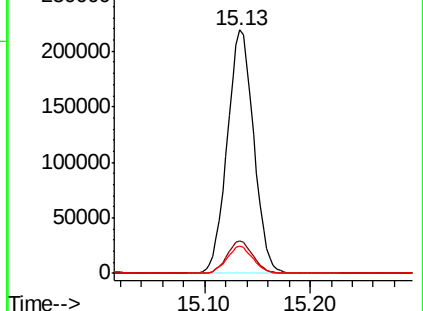
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.277 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

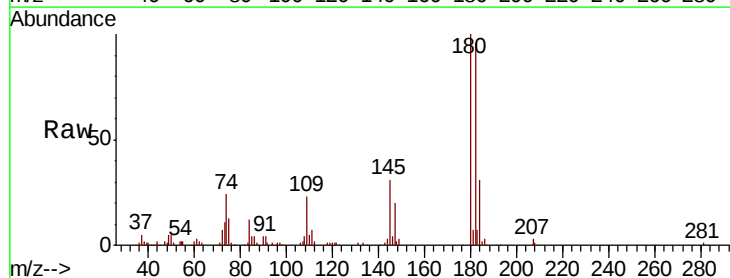
Tgt Ion:180 Resp: 181520

Ion Ratio Lower Upper

180 100

182 94.2 47.8 143.3

145 30.9 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

