

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120418\
 Data File : VN052647.D
 Acq On : 4 Dec 2018 12:00
 Operator : MD\SY
 Sample : VN1204WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Quant Time: Dec 05 03:06:16 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	1144547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1742647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1523071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	705130	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	622246	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
35) Dibromofluoromethane	7.59	113	562214	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
50) Toluene-d8	10.09	98	2151800	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.40	95	731252	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	192198	17.934	ug/l	100
3) Chloromethane	2.06	50	240655	17.012	ug/l	99
4) Vinyl Chloride	2.19	62	254149	17.489	ug/l	98
5) Bromomethane	2.57	94	156935	17.308	ug/l	97
6) Chloroethane	2.71	64	153961	17.491	ug/l	98
7) Trichlorofluoromethane	3.02	101	335770	18.811	ug/l	98
8) Diethyl Ether	3.41	74	125988	19.113	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	218772	19.642	ug/l	99
10) Methyl Iodide	3.96	142	286984	19.345	ug/l	100
11) Tert butyl alcohol	4.78	59	63542	101.849	ug/l #	86
12) 1,1-Dichloroethene	3.74	96	197276	18.400	ug/l	97
13) Acrolein	3.61	56	57527	53.054	ug/l	99
14) Allyl chloride	4.33	41	338739	18.332	ug/l	98
15) Acrylonitrile	4.99	53	375713	95.135	ug/l	99
16) Acetone	3.82	43	327277	99.568	ug/l	99
17) Carbon Disulfide	4.06	76	559408	16.580	ug/l	100
18) Methyl Acetate	4.32	43	185995	19.727	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	560609	19.653	ug/l	100
20) Methylene Chloride	4.55	84	233557	18.157	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	215190	18.793	ug/l	97
22) Diisopropyl ether	5.95	45	725616	18.695	ug/l	96
23) Vinyl Acetate	5.90	43	2287121	94.604	ug/l	98
24) 1,1-Dichloroethane	5.85	63	412028	18.592	ug/l	99
25) 2-Butanone	6.83	43	446684	95.876	ug/l	97
26) 2,2-Dichloropropane	6.83	77	309101	20.151	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	250716	18.796	ug/l	99
28) Bromochloromethane	7.20	49	199297	19.689	ug/l	95
29) Tetrahydrofuran	7.21	42	278797	92.777	ug/l	99
30) Chloroform	7.37	83	413273	18.691	ug/l	99
31) Cyclohexane	7.65	56	399861	18.411	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	342801	19.568	ug/l	99
36) 1,1-Dichloropropene	7.79	75	314931	19.137	ug/l	98
37) Ethyl Acetate	6.93	43	184301	18.351	ug/l	97
38) Carbon Tetrachloride	7.77	117	295250	19.819	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	384261	19.211	ug/l	98
40) Benzene	8.04	78	950603	19.383	ug/l	100
41) Methacrylonitrile	7.17	41	101842	18.548	ug/l	95
42) 1,2-Dichloroethane	8.12	62	293335	19.754	ug/l	100
43) Isopropyl Acetate	8.16	43	342202	20.134	ug/l	98
44) Trichloroethene	8.84	130	249320	19.847	ug/l	99
45) 1,2-Dichloropropane	9.12	63	253509	19.443	ug/l	99
46) Dibromomethane	9.21	93	144790	20.060	ug/l	97
47) Bromodichloromethane	9.40	83	312472	19.911	ug/l	98
48) Methyl methacrylate	9.20	41	171673	19.371	ug/l	98
49) 1,4-Dioxane	9.20	88	40048	435.424	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	949512	99.572	ug/l	99
52) Toluene	10.16	92	582129	19.978	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	303546	20.106	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	363130	20.071	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	207912	20.285	ug/l	98
56) Ethyl methacrylate	10.43	69	260130	19.986	ug/l	99
57) 1,3-Dichloropropane	10.71	76	357601	19.759	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	735726	98.923	ug/l	98
59) 2-Hexanone	10.75	43	649924	101.549	ug/l	99
60) Dibromochloromethane	10.90	129	225586	20.264	ug/l	99
61) 1,2-Dibromoethane	11.01	107	203356	19.976	ug/l	99
64) Tetrachloroethene	10.63	164	248675	21.058	ug/l	99
65) Chlorobenzene	11.43	112	638935	20.345	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	223859	20.500	ug/l	99
67) Ethyl Benzene	11.51	91	1113200	20.241	ug/l	100
68) m/p-Xylenes	11.62	106	835228	40.795	ug/l	99
69) o-Xylene	11.95	106	406707	20.456	ug/l	100
70) Styrene	11.96	104	657064	20.749	ug/l	99
71) Bromoform	12.13	173	149959	20.740	ug/l #	100
73) Isopropylbenzene	12.25	105	1097357	19.836	ug/l	99
74) N-amyl acetate	12.07	43	269250	19.265	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	246923	19.621	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	301856	27.761	ug/l #	100
77) Bromobenzene	12.53	156	267774	19.583	ug/l	98
78) n-propylbenzene	12.59	91	1250490	19.897	ug/l	99
79) 2-Chlorotoluene	12.68	91	734558	19.627	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	895929	20.306	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	63176	19.403	ug/l	96
82) 4-Chlorotoluene	12.77	91	738718	19.584	ug/l	99
83) tert-Butylbenzene	12.99	119	790950	20.108	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	901737	20.393	ug/l	100
85) sec-Butylbenzene	13.17	105	1080143	20.161	ug/l	100
86) p-Isopropyltoluene	13.29	119	922056	20.207	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	472516	19.755	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	469444	19.925	ug/l	99
89) n-Butylbenzene	13.62	91	767697	20.230	ug/l	100
90) Hexachloroethane	13.88	117	151147	19.563	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	455654	19.939	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35160	19.535	ug/l	98

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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

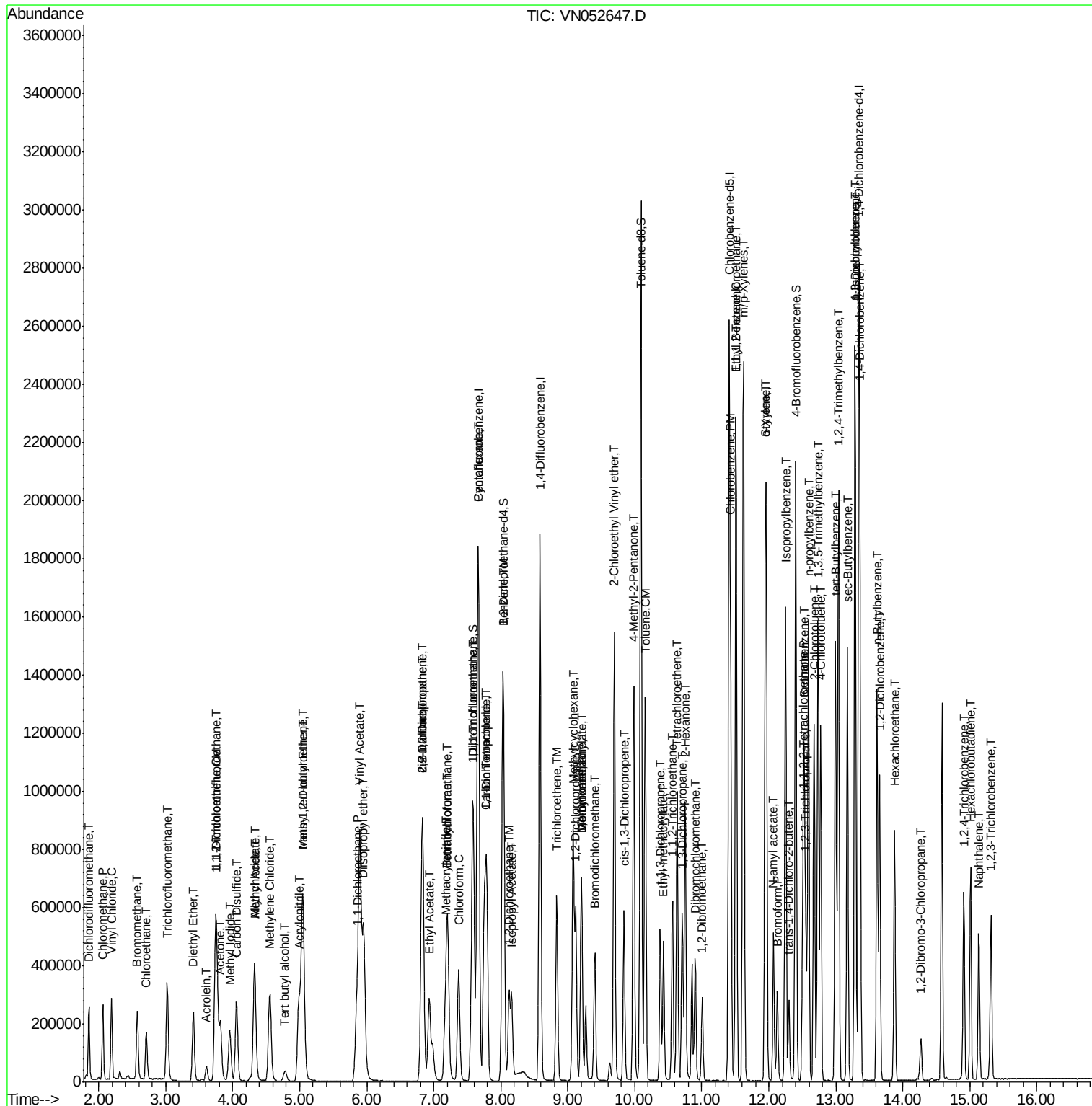
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	223199	19.650	ug/l	99
94) Hexachlorobutadiene	15.01	225	154254	20.982	ug/l	98
95) Naphthalene	15.13	128	449788	19.209	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	212926	20.217	ug/l	99

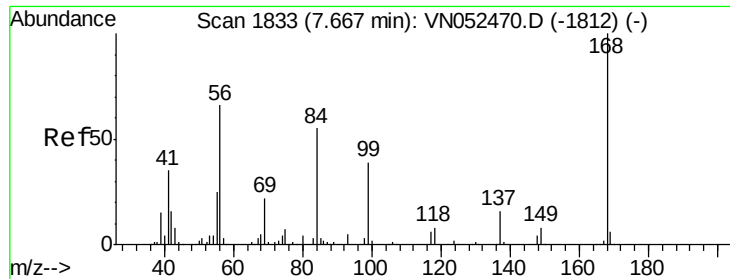
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120418\
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Quant Time: Dec 05 03:06:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
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: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampled :

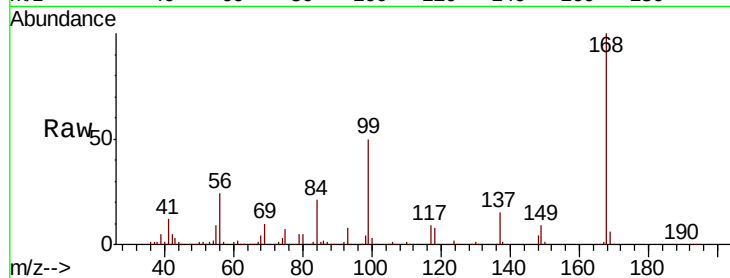
VN1204WBS01

Tot Ion:168 Resp: 1144547

Ion Ratio Lower Upper

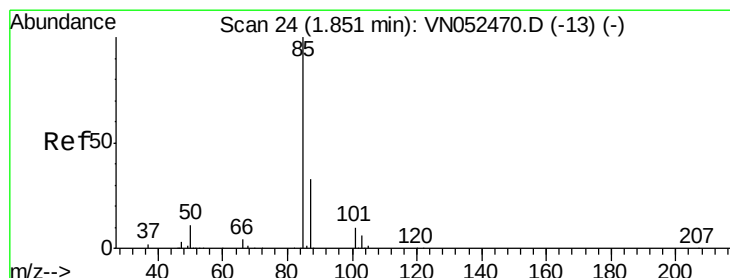
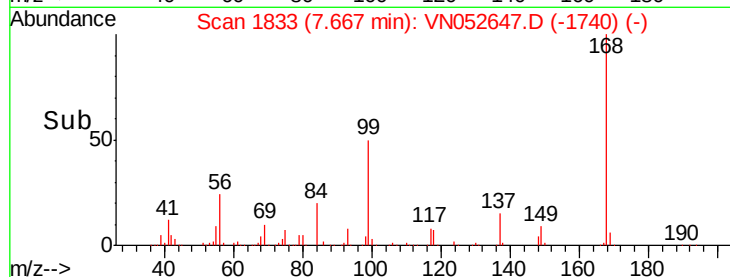
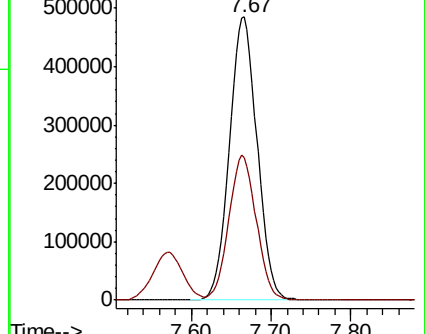
168 100

99 50.3 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC



#2

Dichlorodifluoromethane

Concen: 17.934 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052647.D

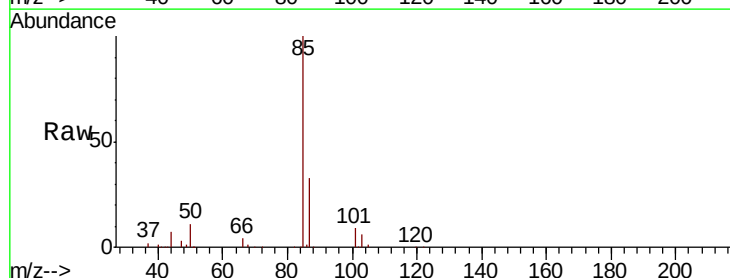
Acq: 4 Dec 2018 12:00

Tgt Ion: 85 Resp: 192198

Ion Ratio Lower Upper

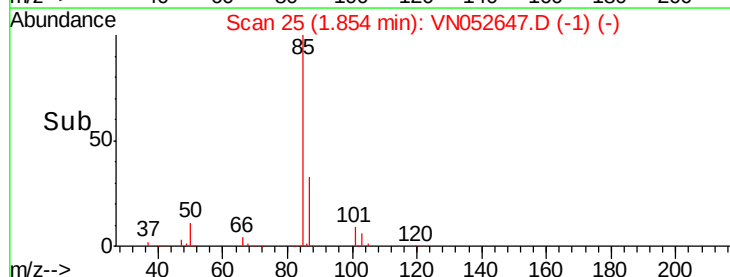
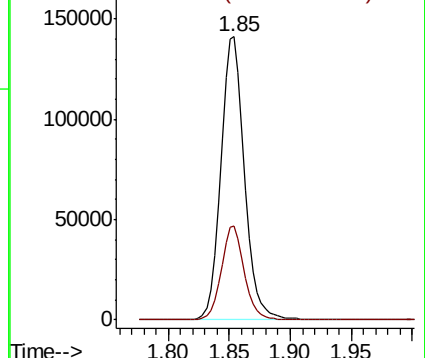
85 100

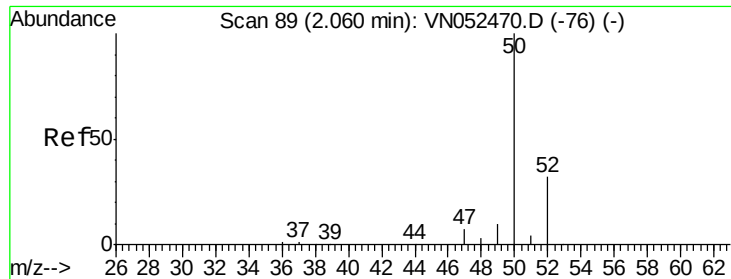
87 33.3 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC





#3

Chloromethane

Concen: 17.012 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

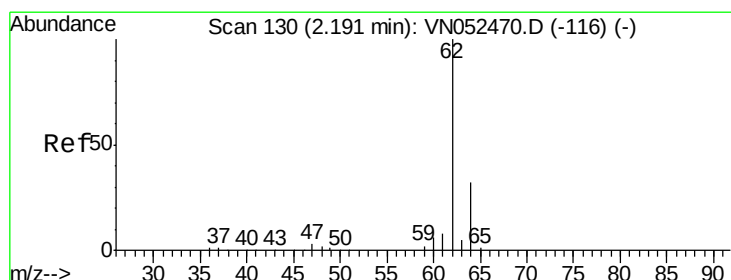
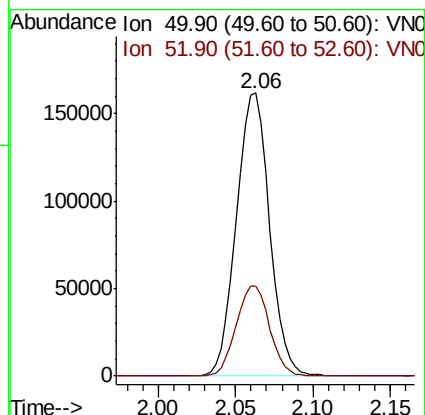
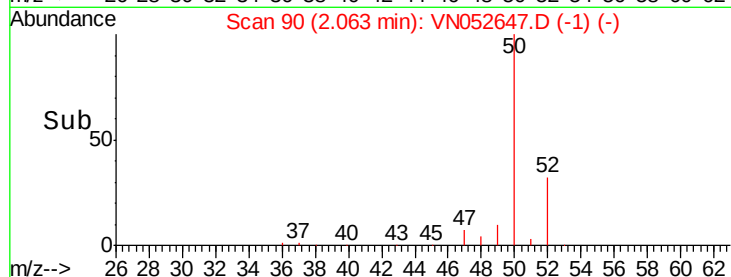
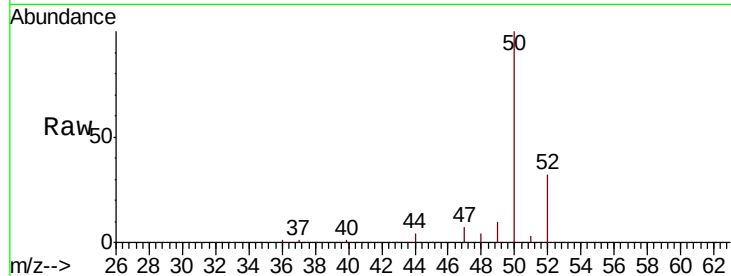
VN1204WBS01

Tot Ion: 50 Resp: 240655

Ion Ratio Lower Upper

50 100

52 31.9 25.9 38.9



#4

Vinyl Chloride

Concen: 17.489 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052647.D

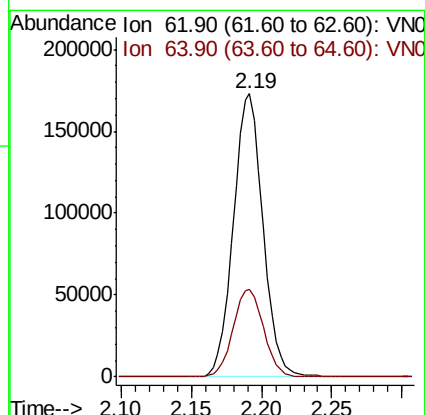
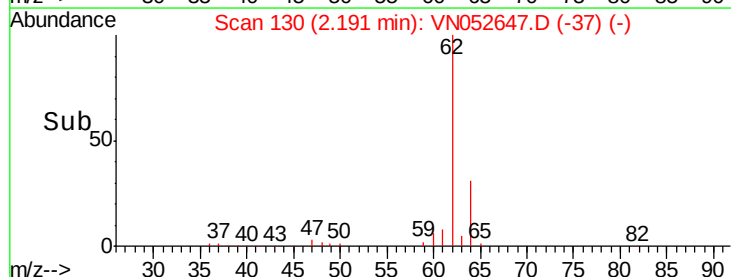
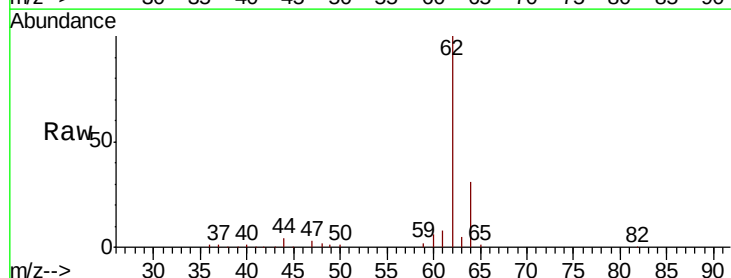
Acq: 4 Dec 2018 12:00

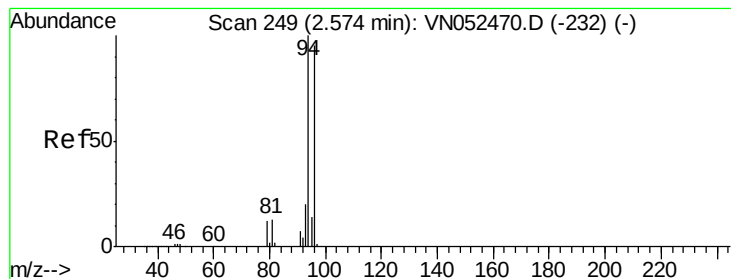
Tgt Ion: 62 Resp: 254149

Ion Ratio Lower Upper

62 100

64 30.7 25.4 38.2





#5

Bromomethane

Concen: 17.308 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

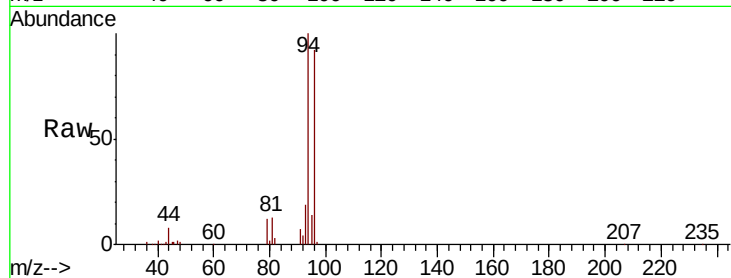
VN1204WBS01

Tot Ion: 94 Resp: 156935

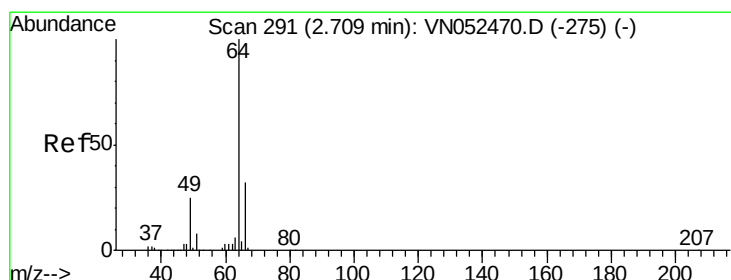
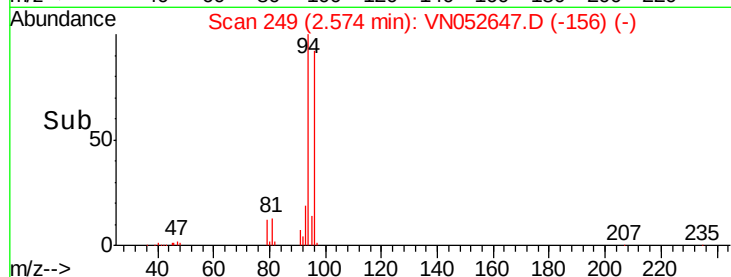
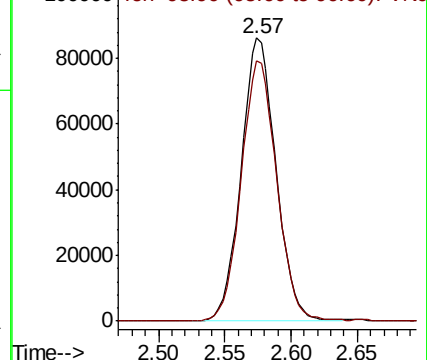
Ion Ratio Lower Upper

94 100

96 91.8 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 17.491 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052647.D

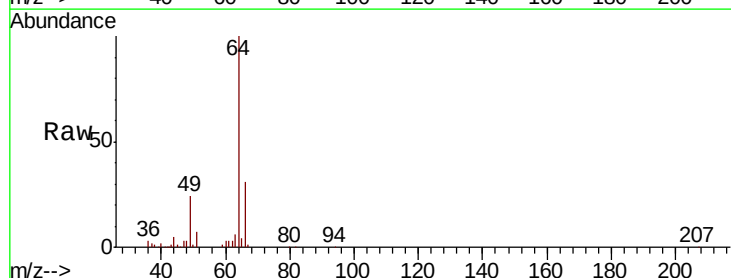
Acq: 4 Dec 2018 12:00

Tgt Ion: 64 Resp: 153961

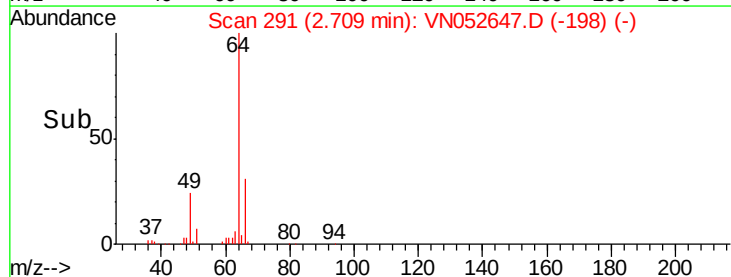
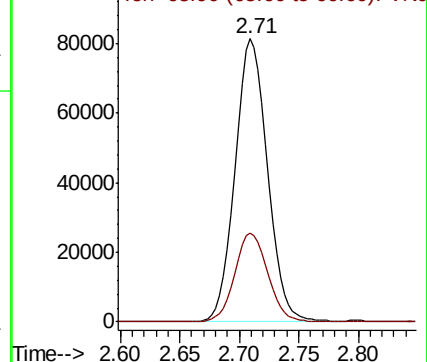
Ion Ratio Lower Upper

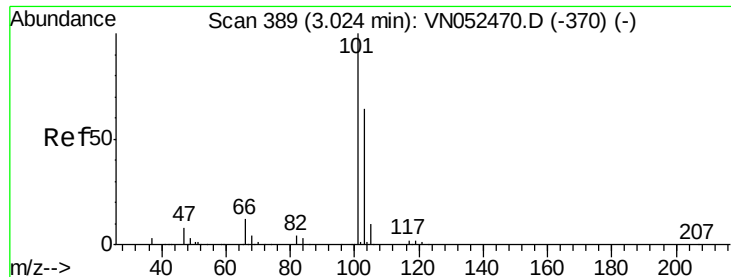
64 100

66 31.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



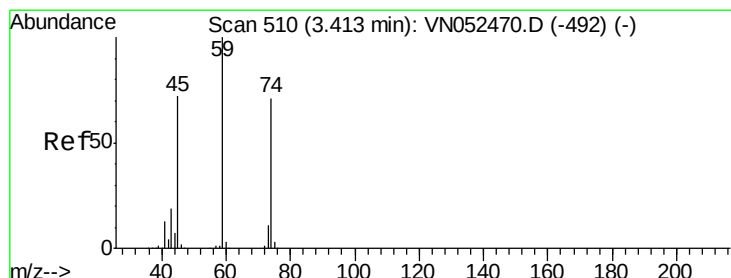
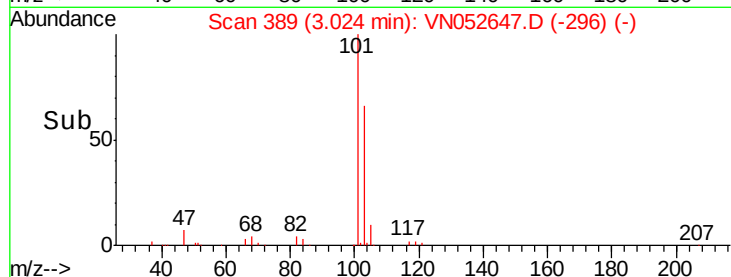
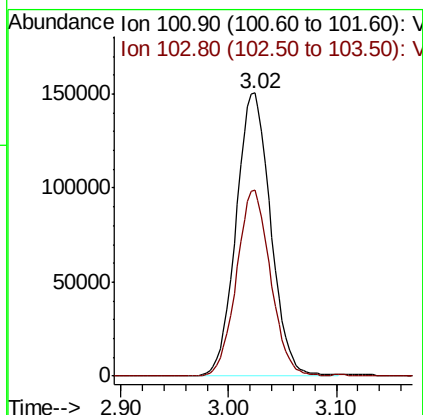
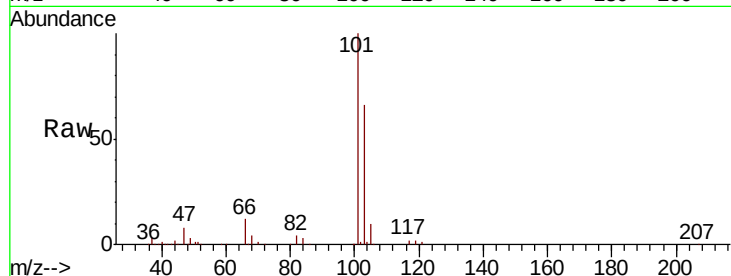


#7

Trichlorofluoromethane
 Concen: 18.811 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Instrument :
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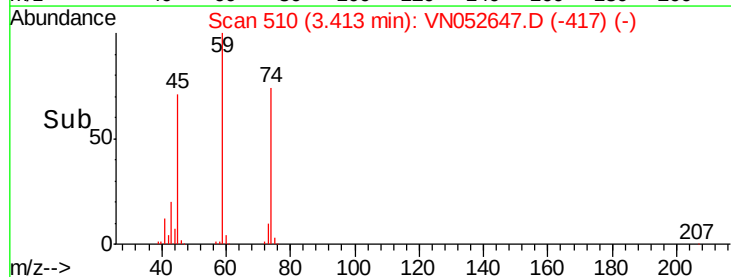
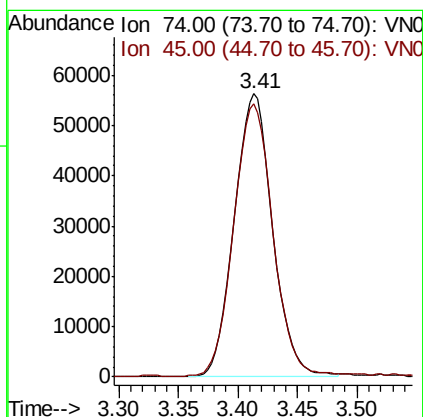
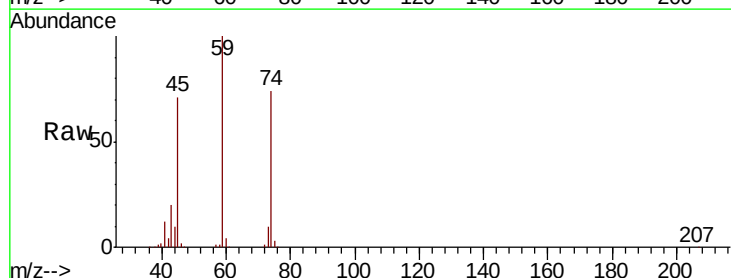
Tot Ion:101 Resp: 335770
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.4 77.2

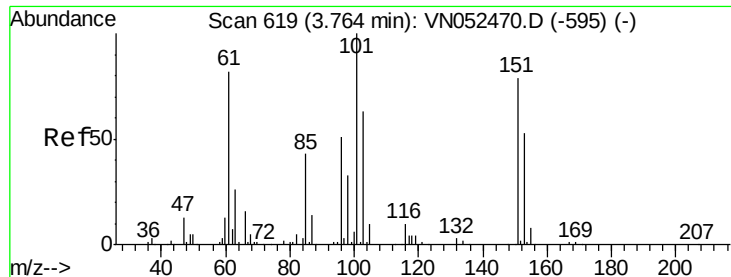


#8

Diethyl Ether
 Concen: 19.113 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Tgt Ion: 74 Resp: 125988
 Ion Ratio Lower Upper
 74 100
 45 99.1 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.642 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

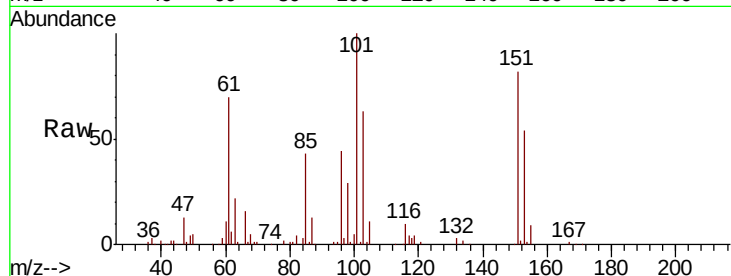
Tot Ion:101 Resp: 218772

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.4

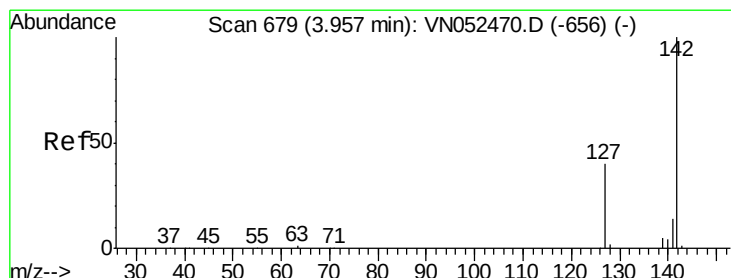
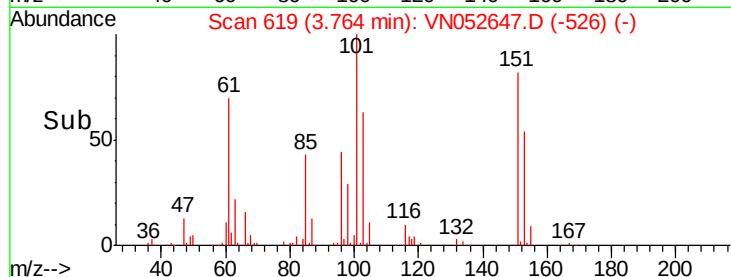
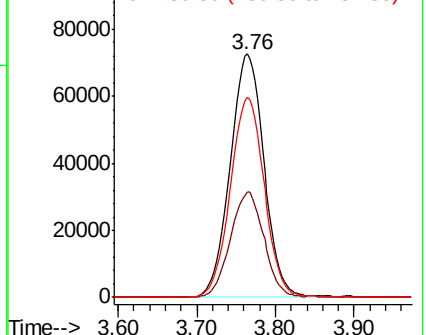
151 82.1 64.6 96.8



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: 19.345 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

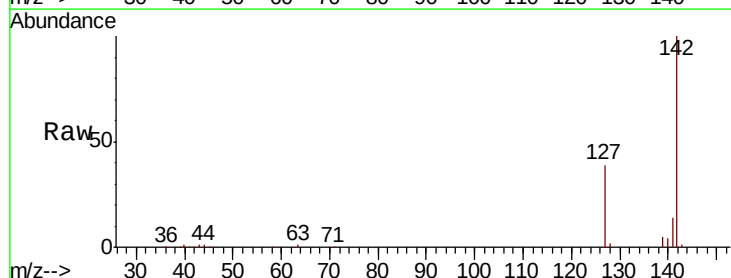
Tgt Ion:142 Resp: 286984

Ion Ratio Lower Upper

142 100

127 39.7 31.8 47.6

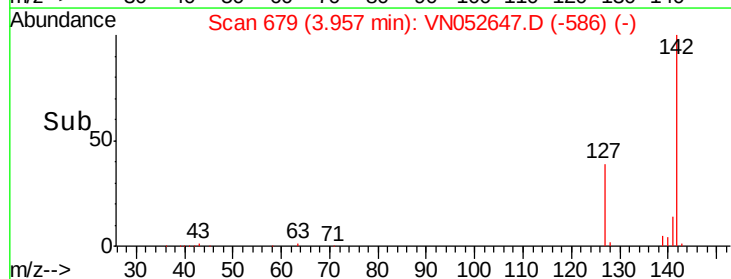
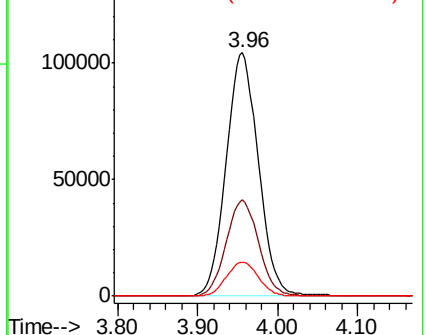
141 13.9 11.4 17.0

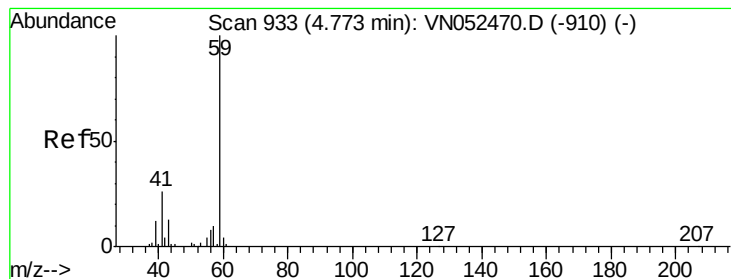


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



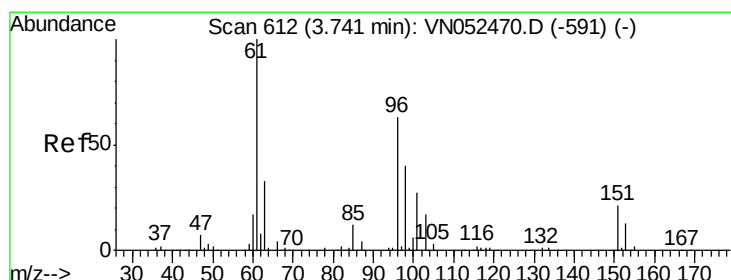
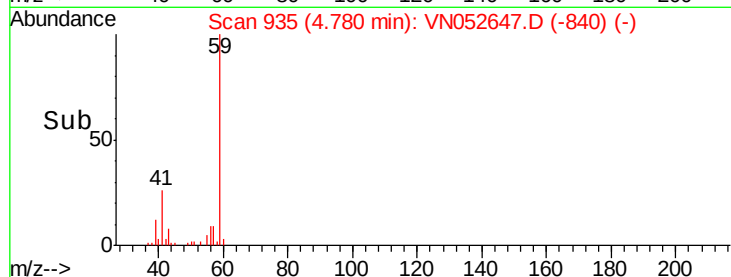
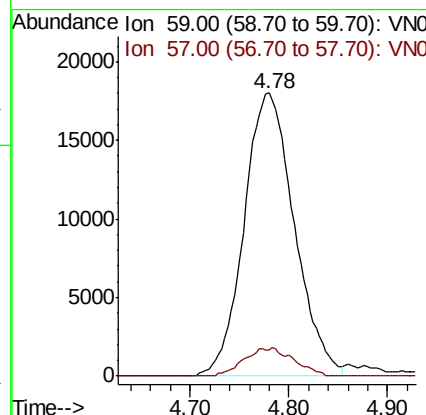
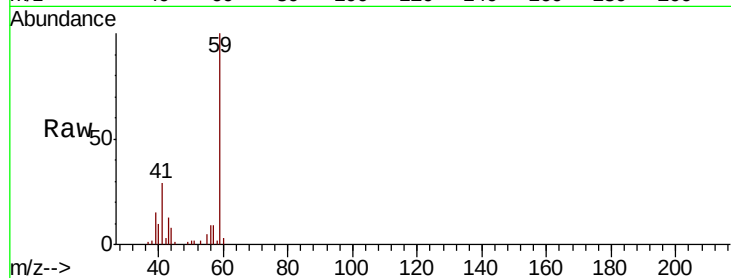


#11

Tert butyl alcohol
Concen: 101.849 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

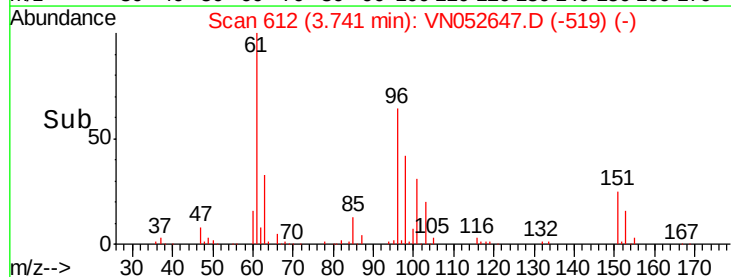
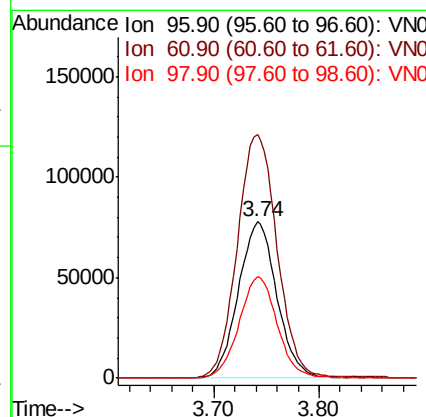
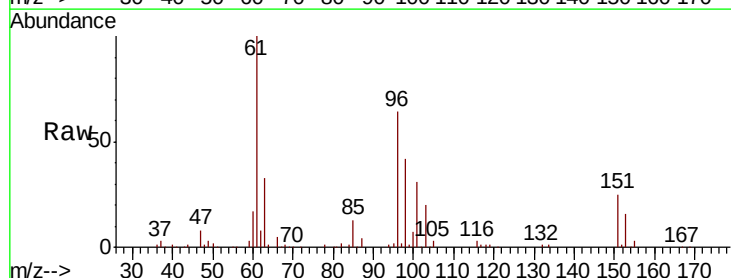
Tot Ion: 59 Resp: 63542
Ion Ratio Lower Upper
59 100
57 4.6 7.9 11.9#

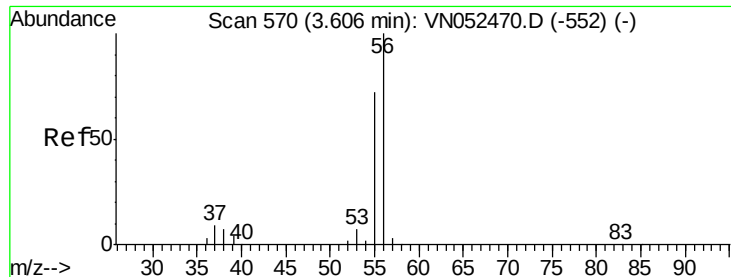


#12

1,1-Dichloroethene
Concen: 18.400 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion: 96 Resp: 197276
Ion Ratio Lower Upper
96 100
61 155.5 127.0 190.6
98 64.9 50.3 75.5





#13

Acrolein

Concen: 53.054 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampled :

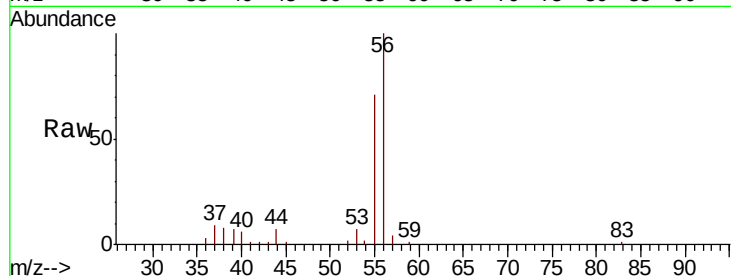
VN1204WBS01

Tot Ion: 56 Resp: 57527

Ion Ratio Lower Upper

56 100

55 70.4 56.8 85.2



Abundance Ion 56.00 (55.70 to 56.70): VN052647.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN052647.D (-552) (-)

3.61

25000

20000

15000

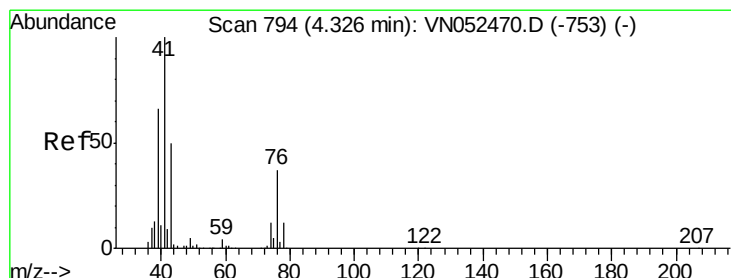
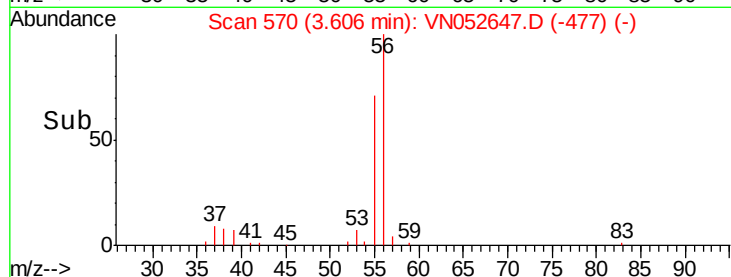
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 18.332 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

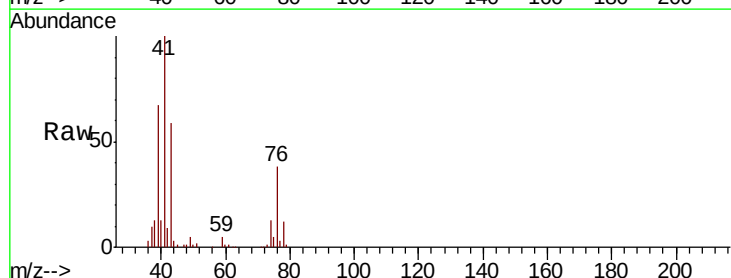
Tgt Ion: 41 Resp: 338739

Ion Ratio Lower Upper

41 100

39 65.1 50.6 76.0

76 35.3 27.4 41.2



Abundance Ion 41.00 (40.70 to 41.70): VN052647.D (-753) (-)

Ion 39.00 (38.70 to 39.70): VN052647.D (-753) (-)

Ion 75.90 (75.60 to 76.60): VN052647.D (-753) (-)

4.33

150000

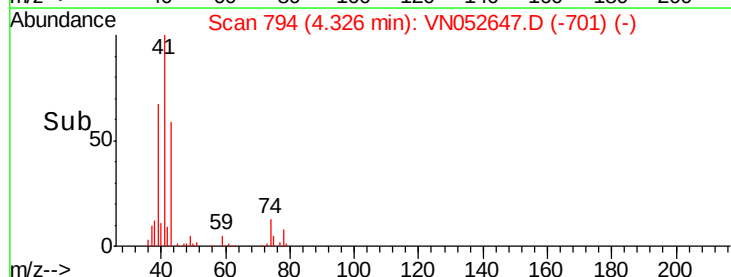
100000

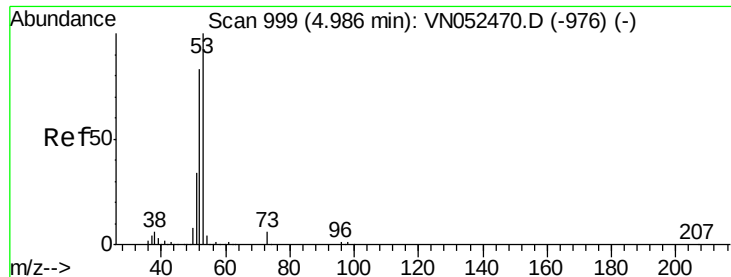
50000

0

Time-->

4.10 4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 95.135 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

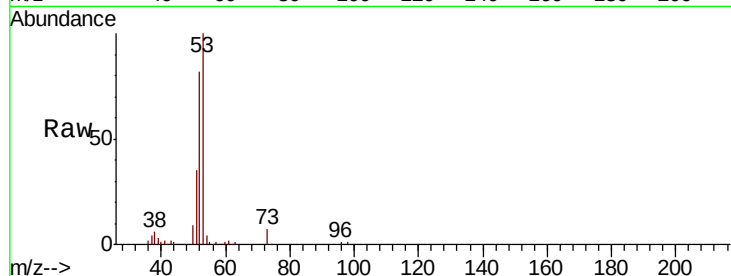
MSVOA_N

ClientSampleId :

VN1204WBS01

Tot Ion: 53 Resp: 375713

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.2
51	35.3	28.1	42.1

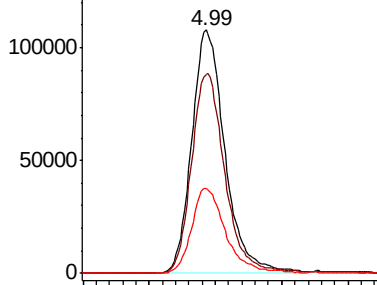


Abundance

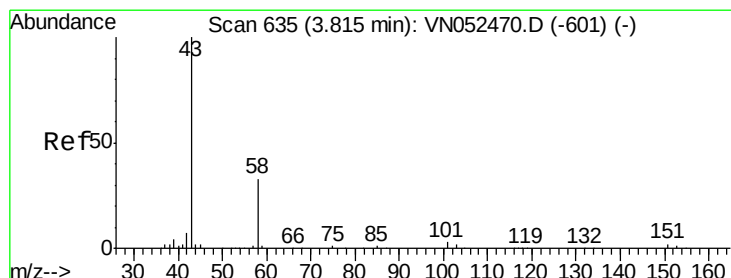
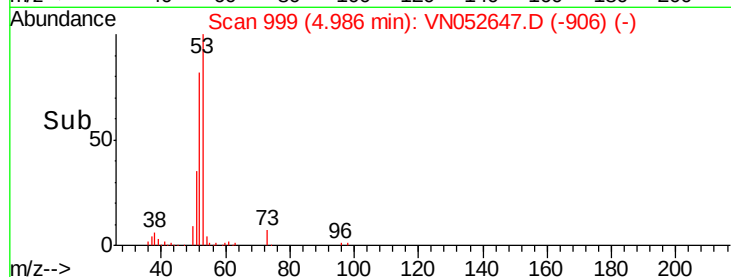
Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time-->



#16

Acetone

Concen: 99.568 ug/l

RT: 3.82 min Scan# 636

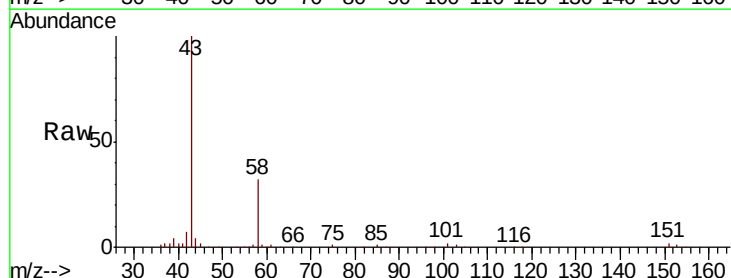
Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Tgt Ion: 43 Resp: 327277

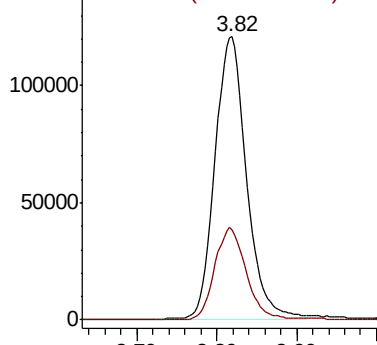
Ion	Ratio	Lower	Upper
43	100		
58	31.8	26.0	39.0



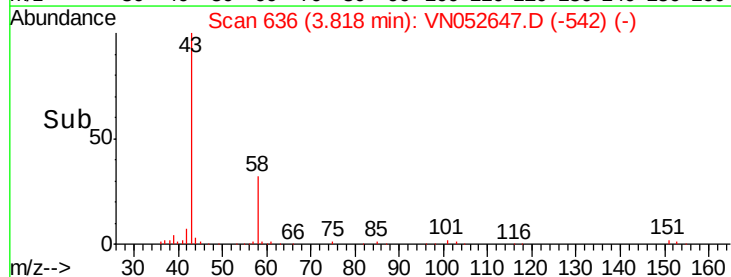
Abundance

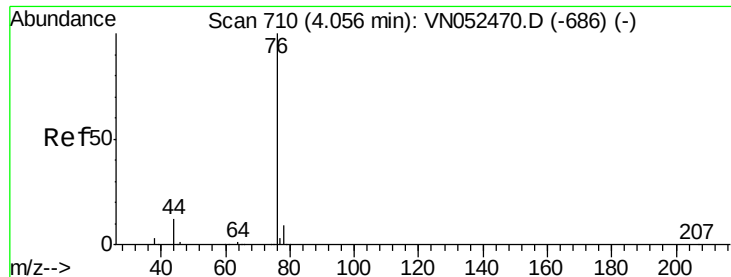
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#17

Carbon Disulfide

Concen: 16.580 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

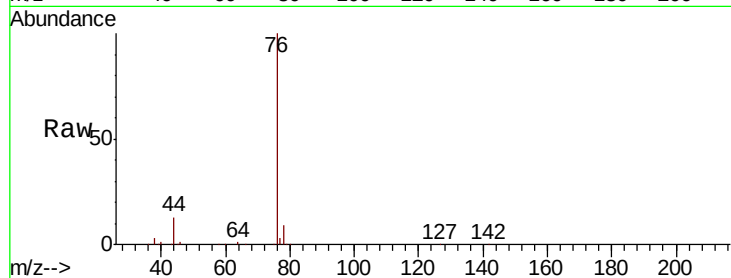
VN1204WBS01

Tot Ion: 76 Resp: 559408

Ion Ratio Lower Upper

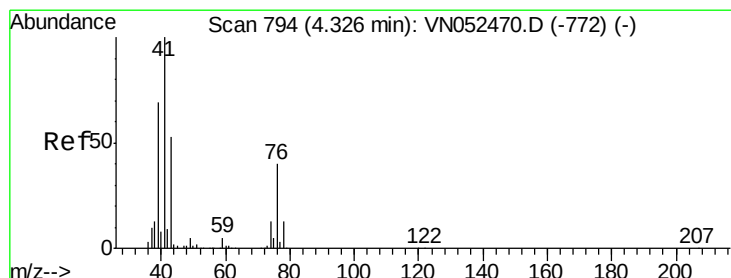
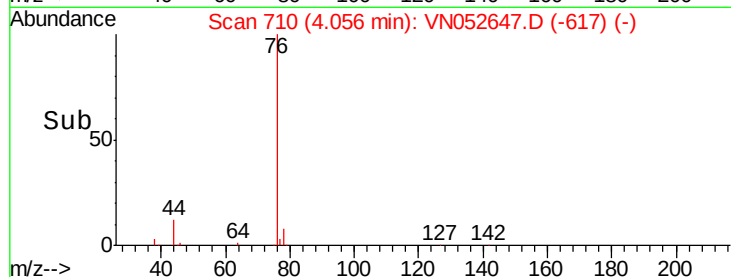
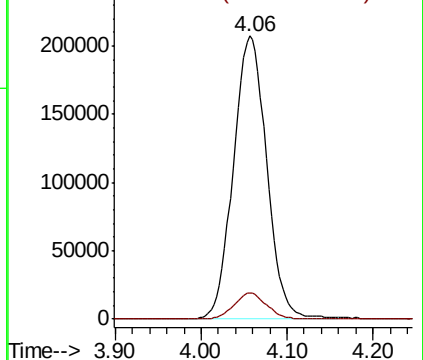
76 100

78 9.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 19.727 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052647.D

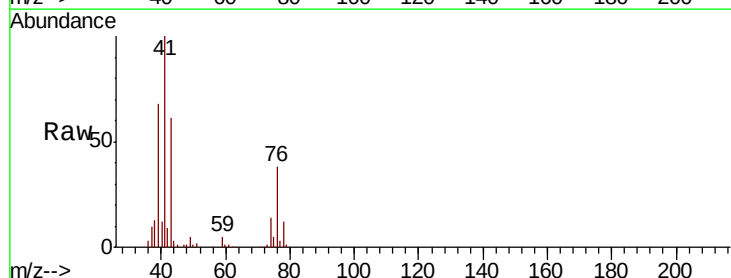
Acq: 4 Dec 2018 12:00

Tgt Ion: 43 Resp: 185995

Ion Ratio Lower Upper

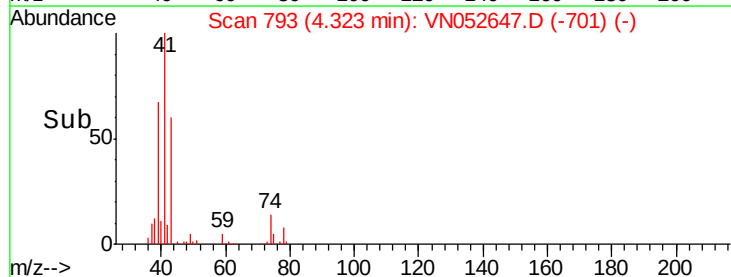
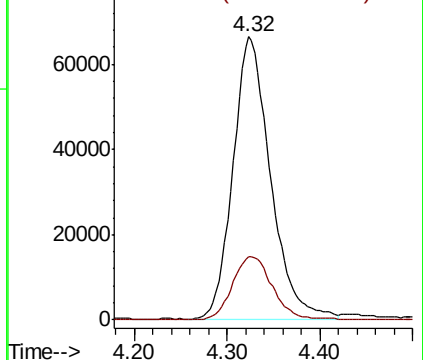
43 100

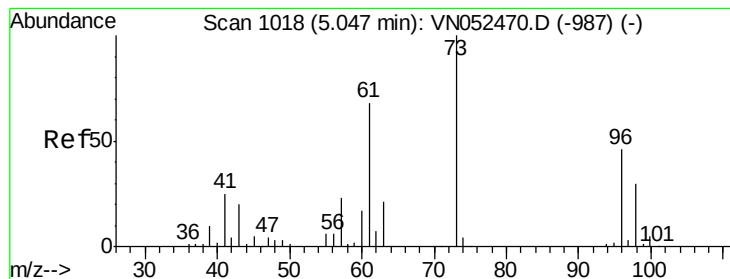
74 23.7 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



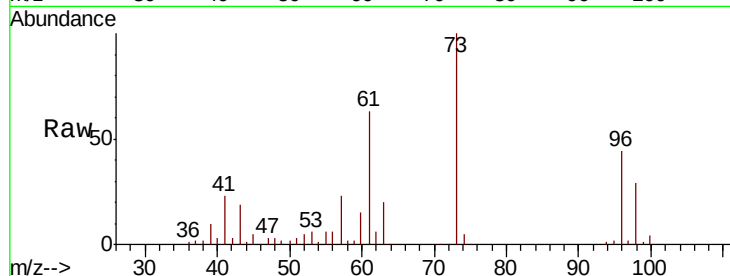


#19

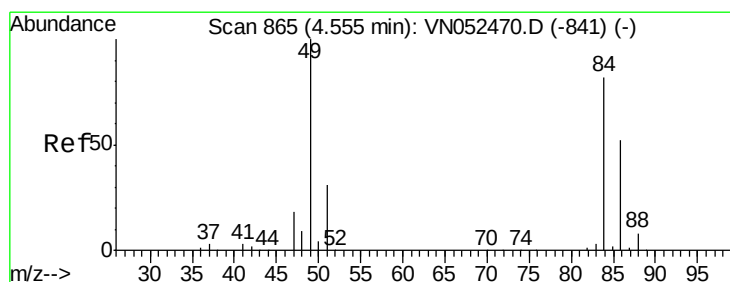
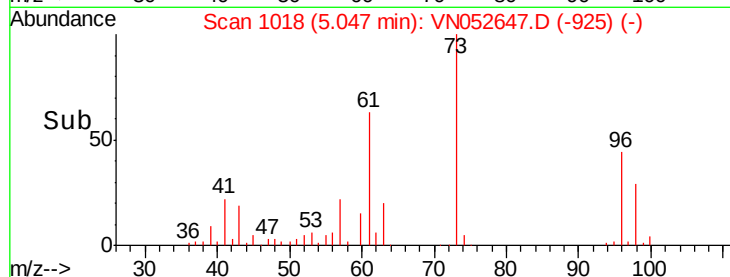
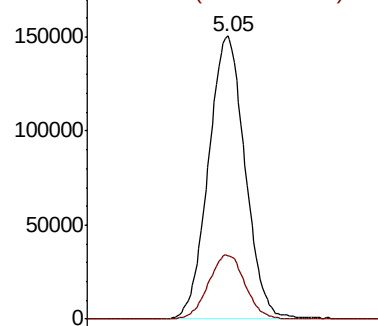
Methyl tert-butyl Ether
 Concen: 19.653 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion: 73 Resp: 560609
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.2 27.2



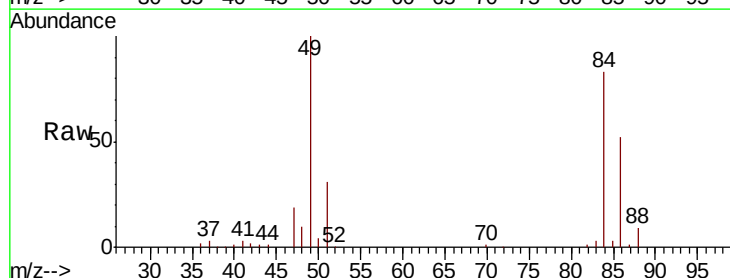
Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



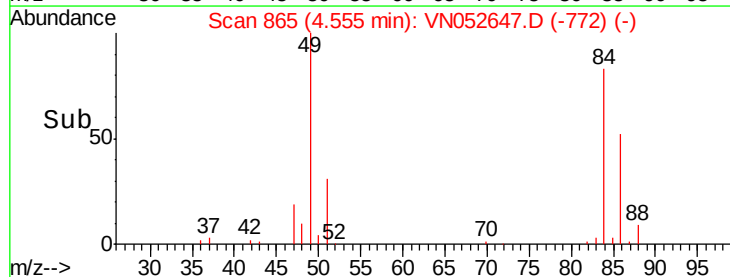
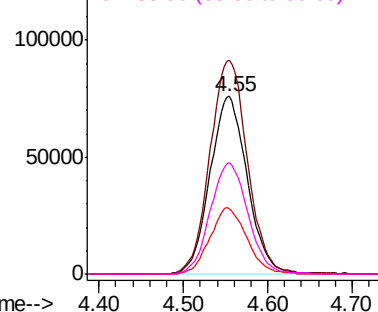
#20

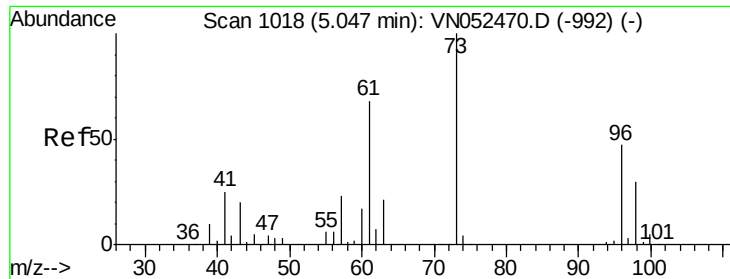
Methylene Chloride
 Concen: 18.157 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Tgt Ion: 84 Resp: 233557
 Ion Ratio Lower Upper
 84 100
 49 120.3 98.0 147.0
 51 36.9 30.1 45.1
 86 62.8 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VN0
 Ion 48.90 (48.60 to 49.60): VN0
 Ion 50.90 (50.60 to 51.60): VN0
 Ion 85.90 (85.60 to 86.60): VN0

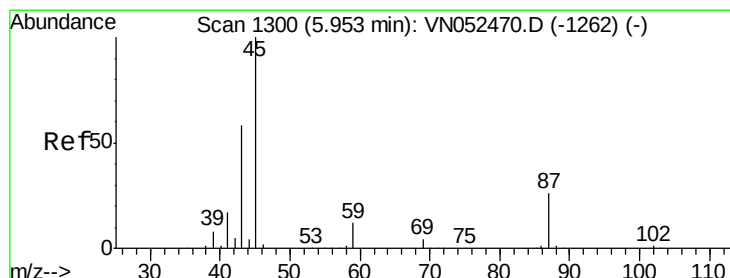
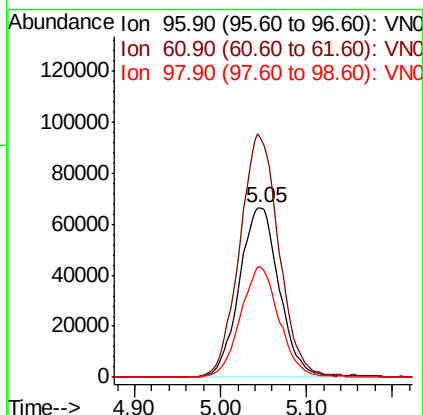
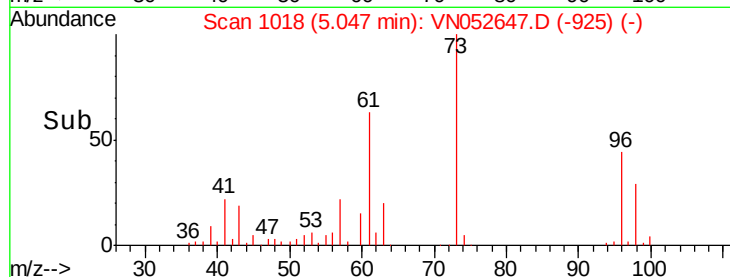
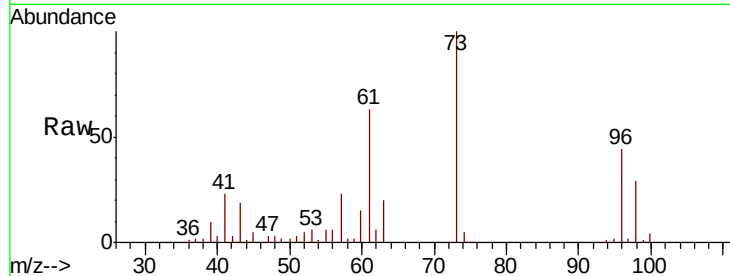




#21
trans-1,2-Dichloroethene
Concen: 18.793 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

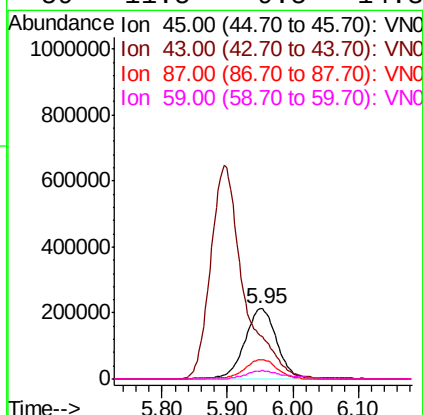
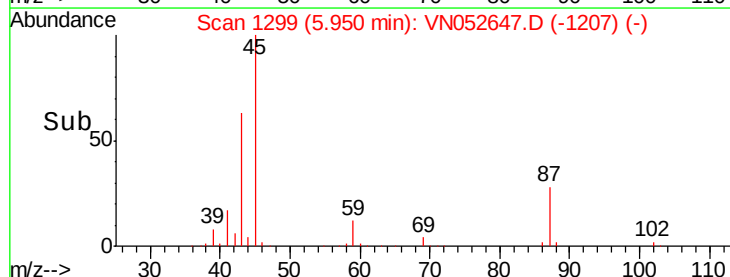
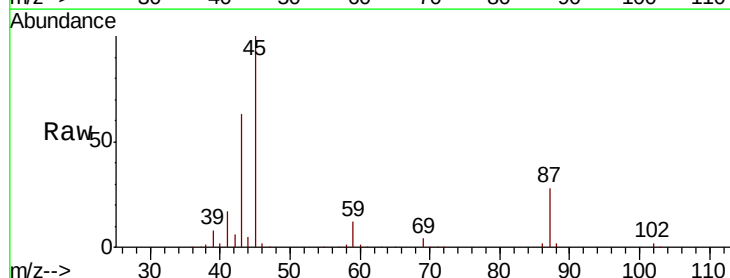
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

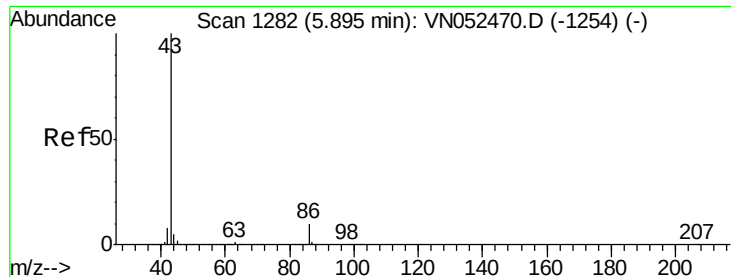
Tot Ion: 96 Resp: 215190
Ion Ratio Lower Upper
96 100
61 141.0 117.0 175.4
98 64.8 51.8 77.6



#22
Diisopropyl ether
Concen: 18.695 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion: 45 Resp: 725616
Ion Ratio Lower Upper
45 100
43 61.4 46.1 69.1
87 27.6 21.3 31.9
59 11.5 9.5 14.3





#23

Vinyl Acetate

Concen: 94.604 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

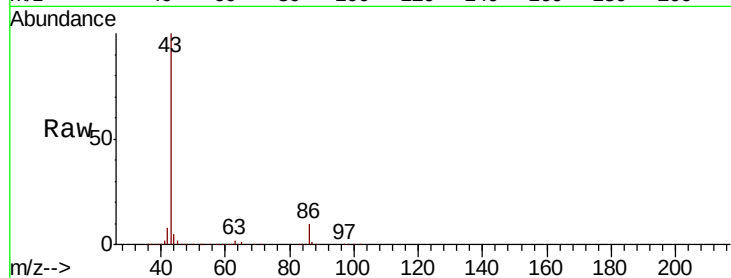
VN1204WBS01

Tot Ion: 43 Resp: 2287121

Ion Ratio Lower Upper

43 100

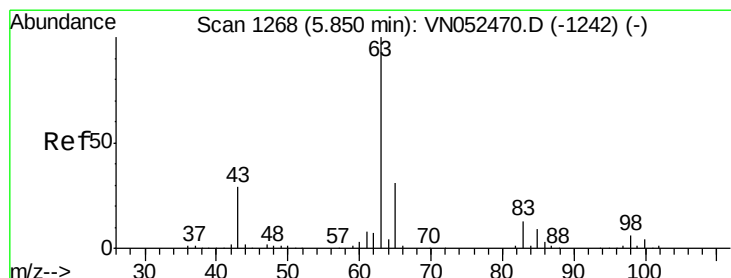
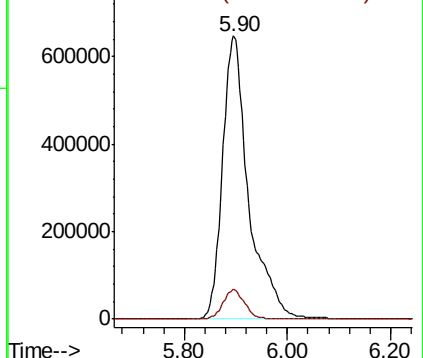
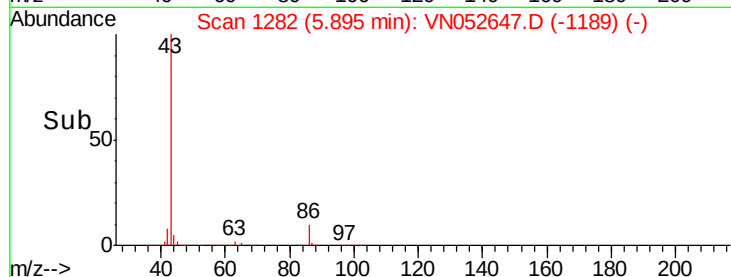
86 10.4 7.8 11.8



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

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

Time-->



#24

1,1-Dichloroethane

Concen: 18.592 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

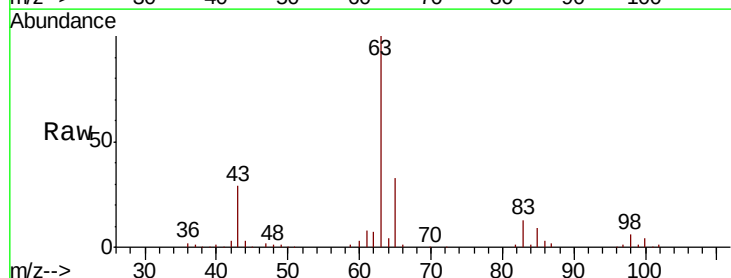
Tgt Ion: 63 Resp: 412028

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

100 4.2 2.0 5.8

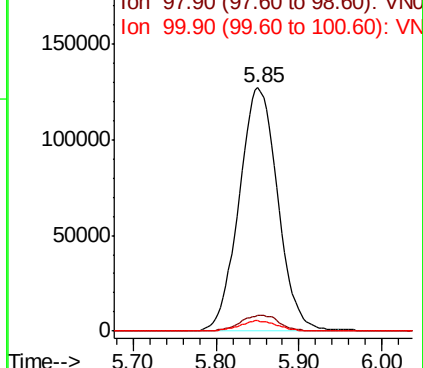
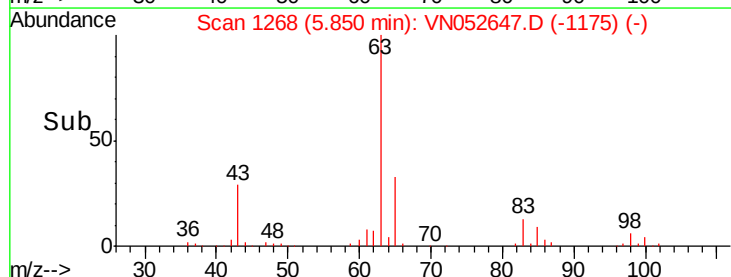


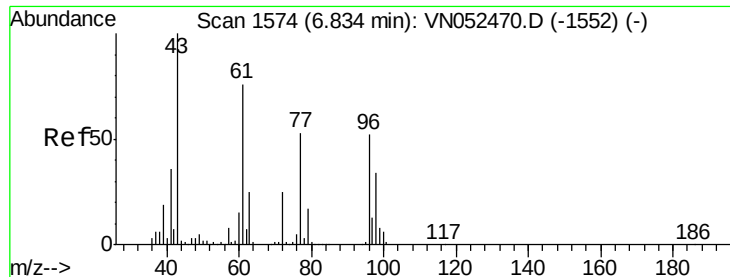
Abundance Ion 62.90 (62.60 to 63.60): VN052470.D (-1242) (-)

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

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

Time-->

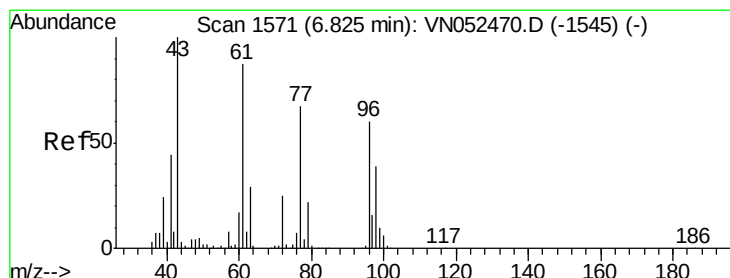
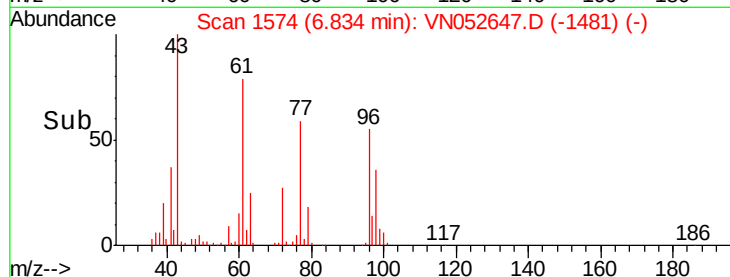
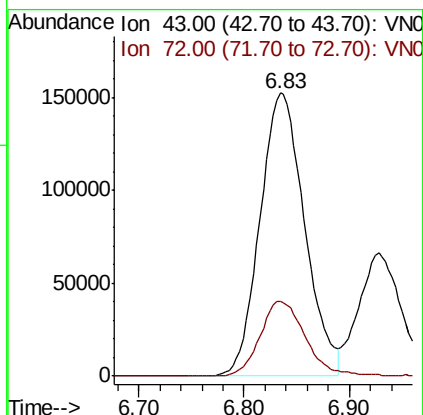
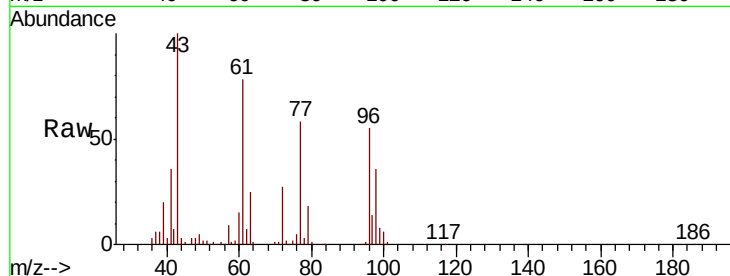




#25
2-Butanone
Concen: 95.876 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

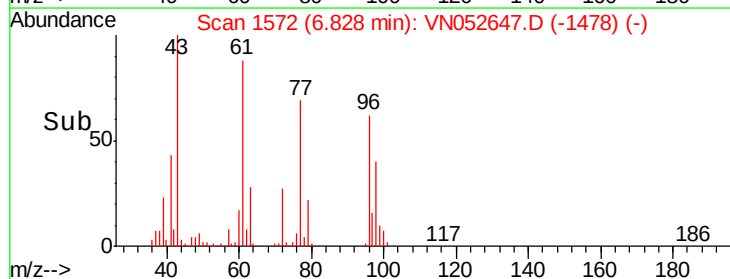
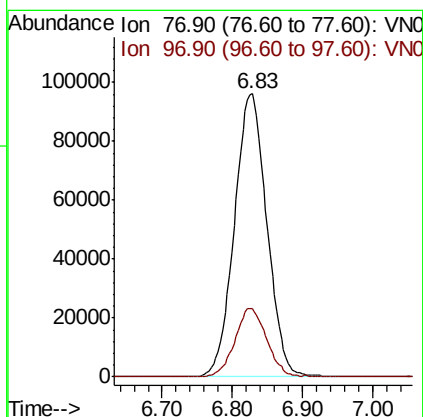
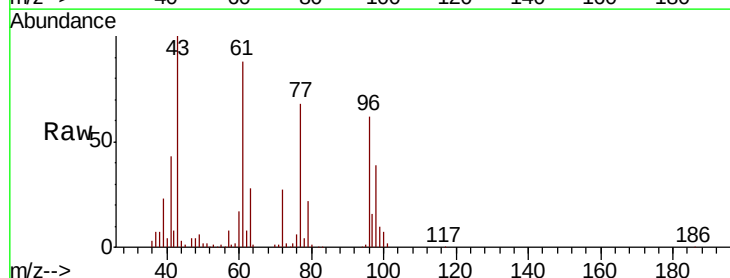
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

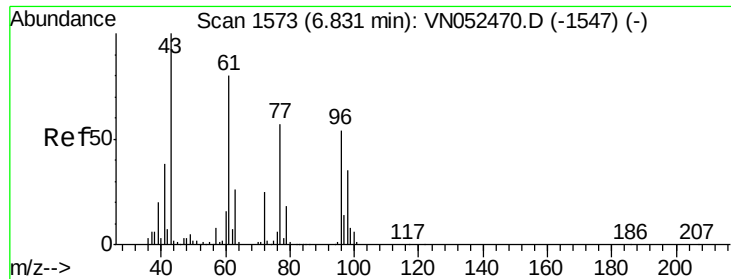
Tot Ion: 43 Resp: 446684
Ion Ratio Lower Upper
43 100
72 26.7 20.1 30.1



#26
2,2-Dichloropropane
Concen: 20.151 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion: 77 Resp: 309101
Ion Ratio Lower Upper
77 100
97 23.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.796 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

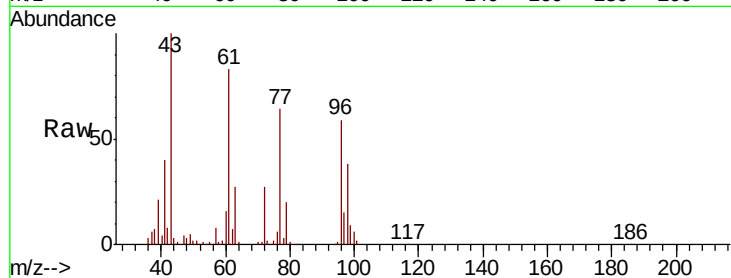
Tot Ion: 96 Resp: 250716

Ion Ratio Lower Upper

96 100

61 144.8 0.0 291.0

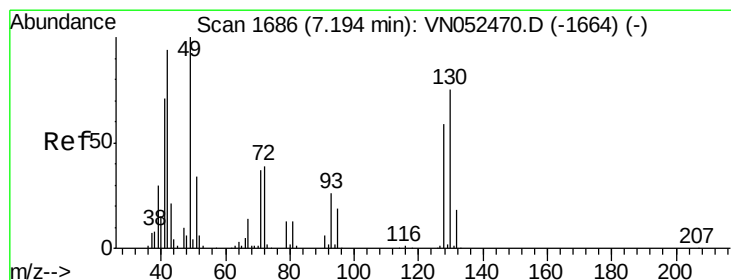
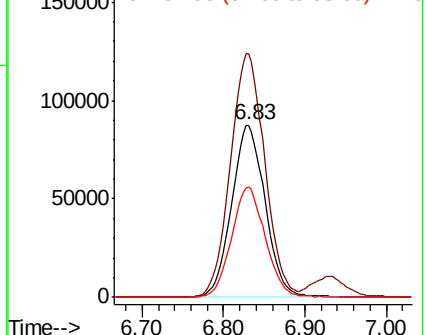
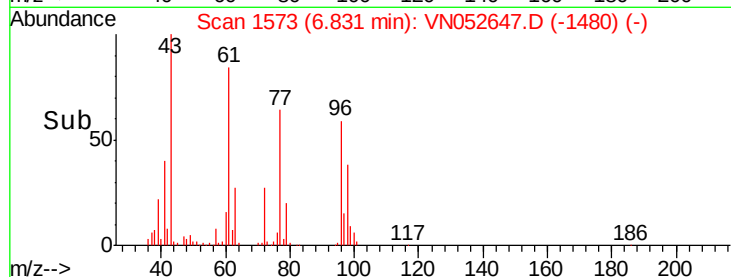
98 64.2 0.0 130.0



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: 19.689 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

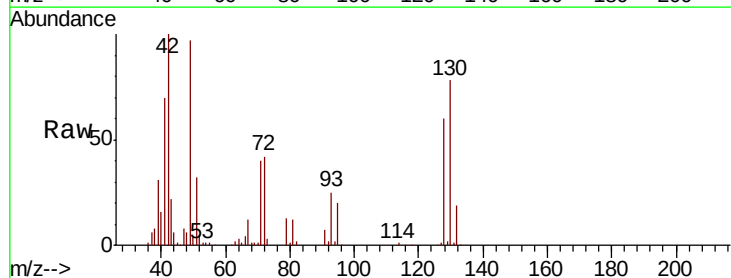
Tgt Ion: 49 Resp: 199297

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

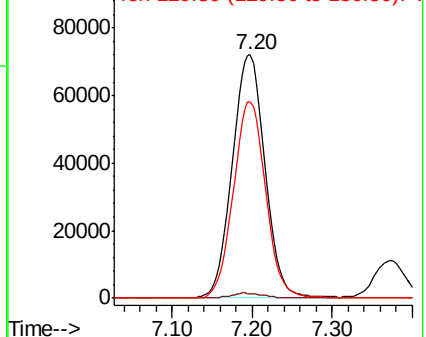
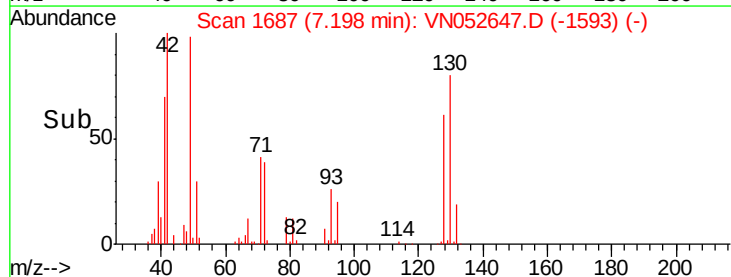
130 79.5 60.2 90.2

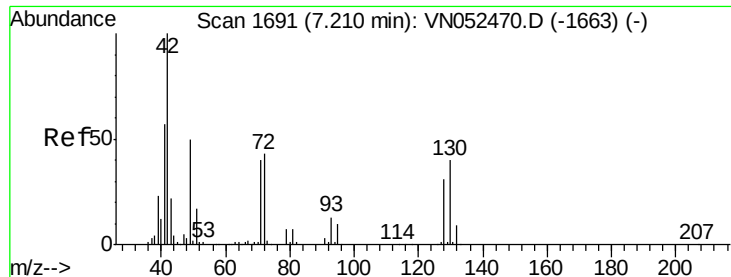


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

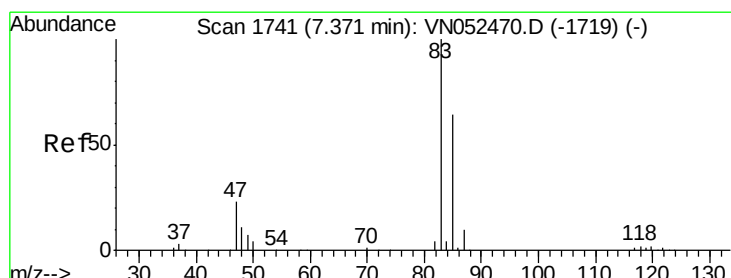
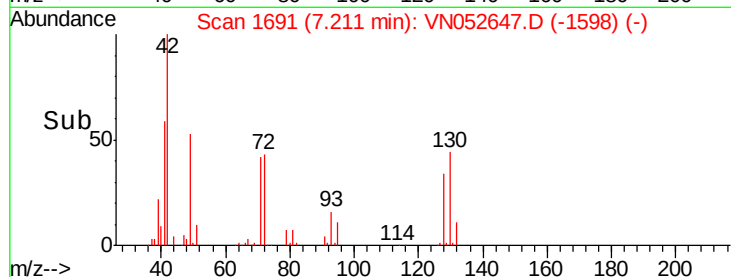
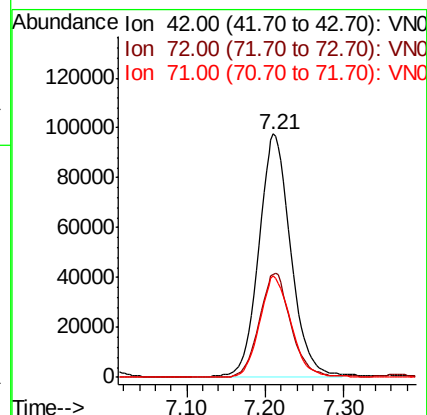
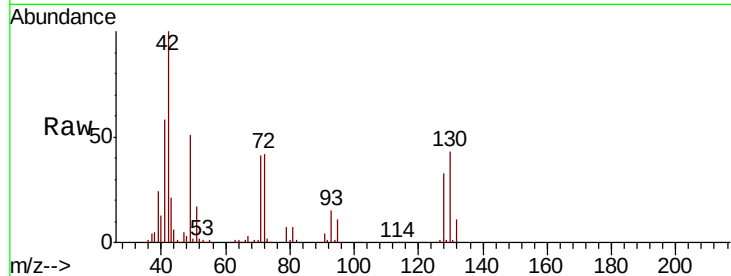




#29
Tetrahydrofuran
Concen: 92.777 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

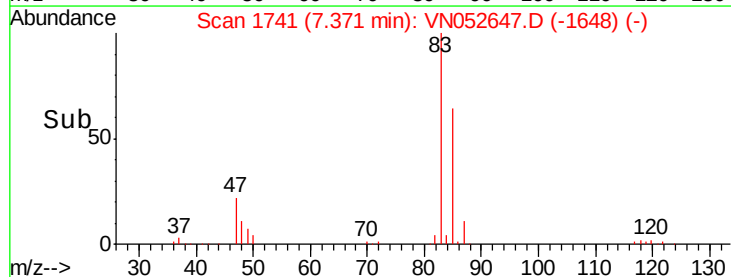
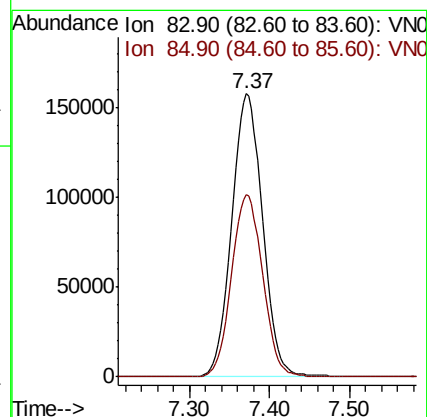
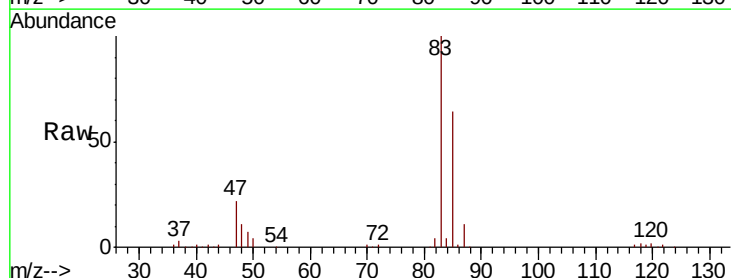
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

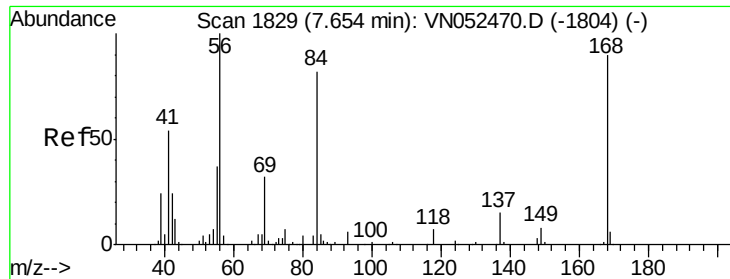
Tot Ion: 42 Resp: 278797
Ion Ratio Lower Upper
42 100
72 42.5 33.3 49.9
71 40.8 32.0 48.0



#30
Chloroform
Concen: 18.691 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion: 83 Resp: 413273
Ion Ratio Lower Upper
83 100
85 64.3 51.0 76.4

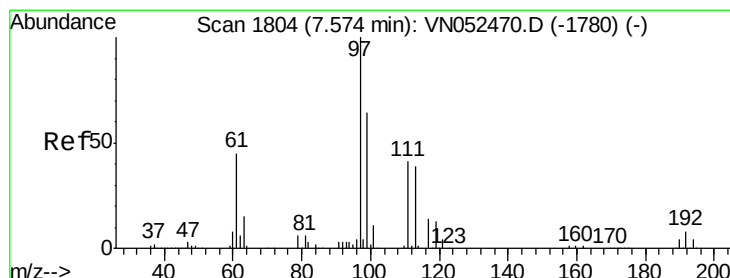
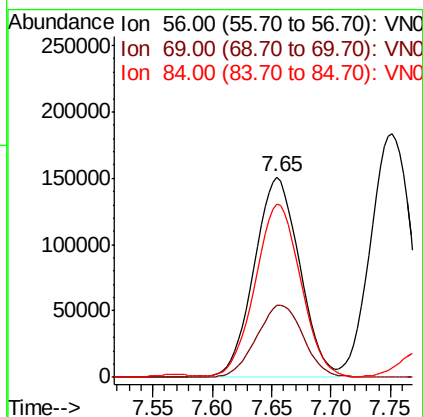
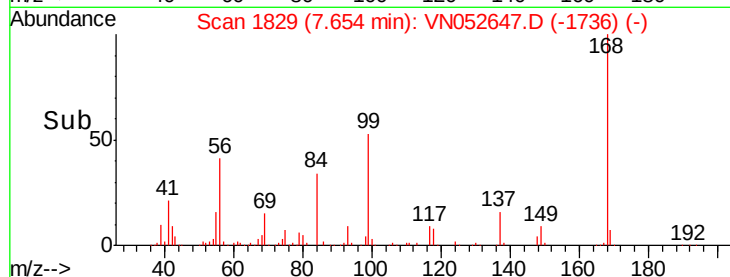
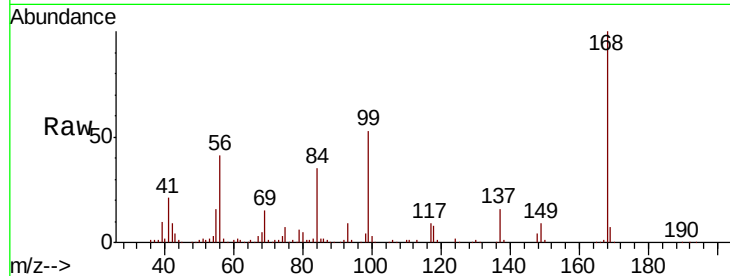




#31
Cyclohexane
Concen: 18.411 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

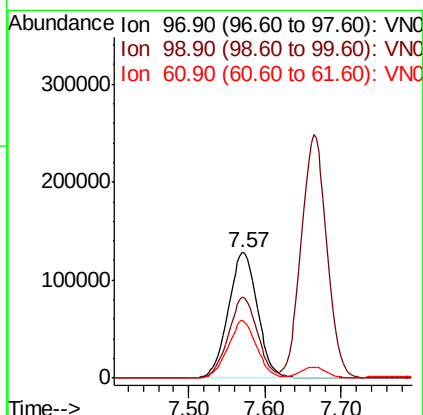
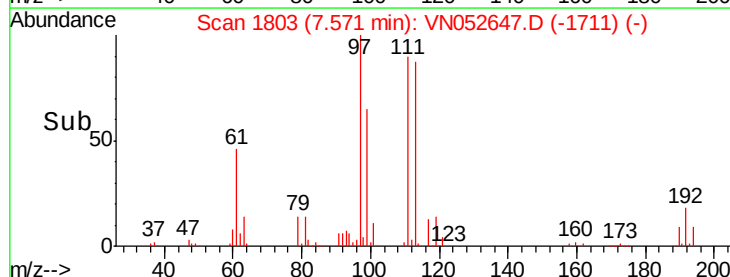
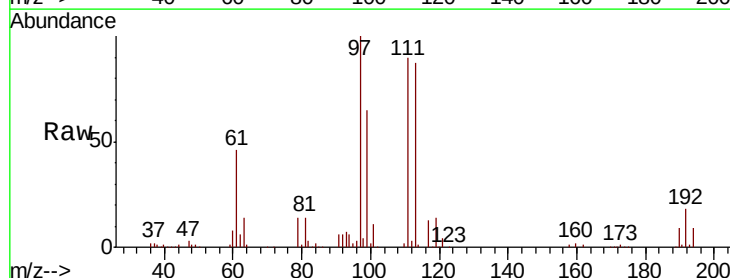
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

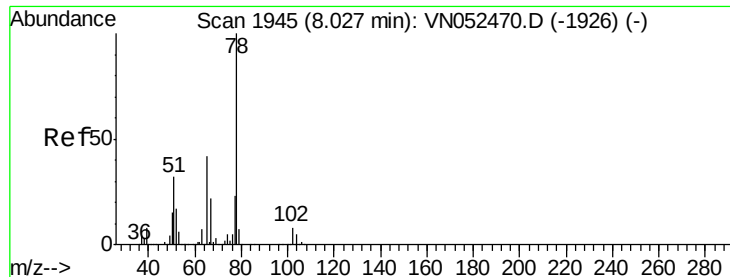
Tot Ion: 56 Resp: 399861
Ion Ratio Lower Upper
56 100
69 35.9 25.8 38.6
84 85.0 65.3 97.9



#32
1,1,1-Trichloroethane
Concen: 19.568 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion: 97 Resp: 342801
Ion Ratio Lower Upper
97 100
99 63.6 51.7 77.5
61 45.0 36.8 55.2

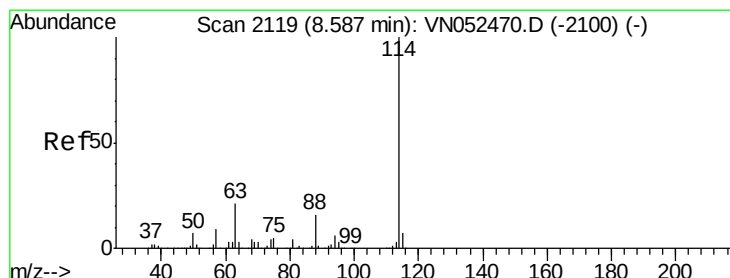
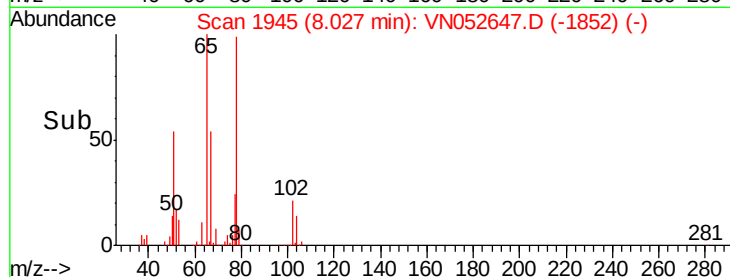
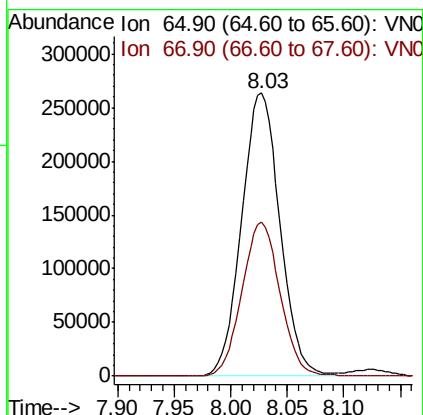
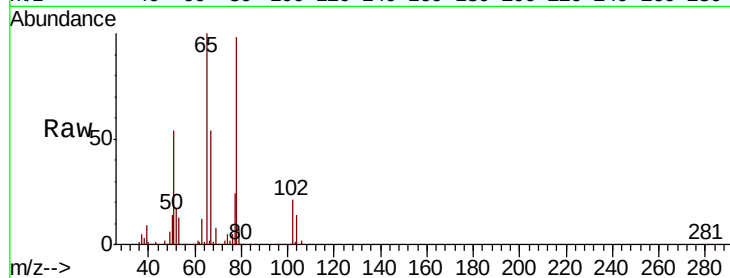




#33
 1,2-Dichloroethane-d4
 Concen: 19.568 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

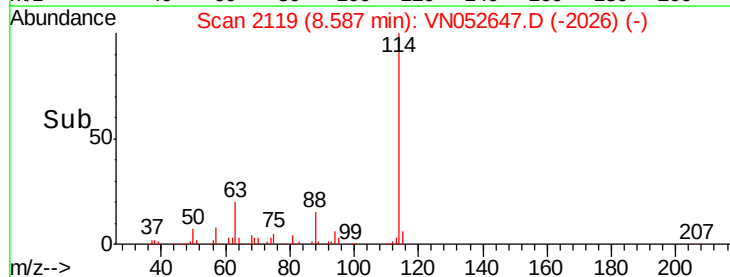
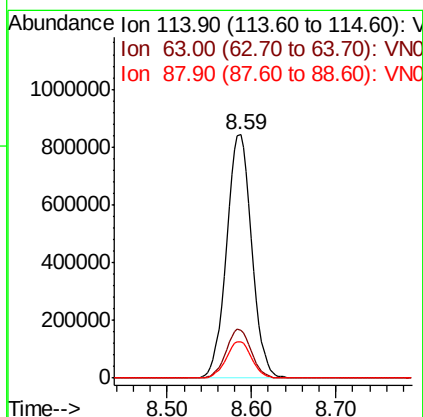
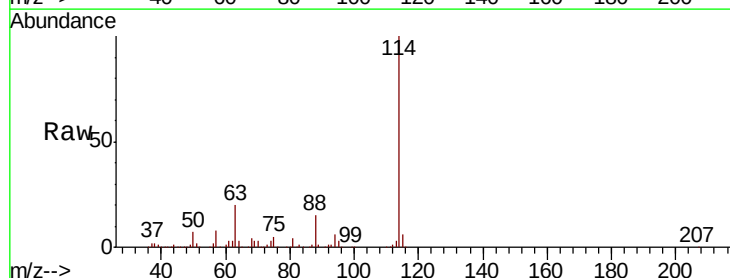
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

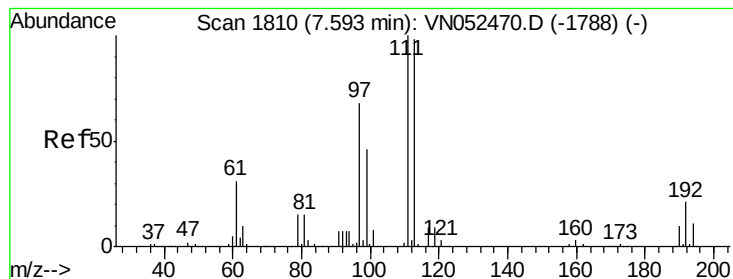
Tot Ion: 65 Resp: 622246
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Tgt Ion: 114 Resp: 1742647
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 41.8
 88 15.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

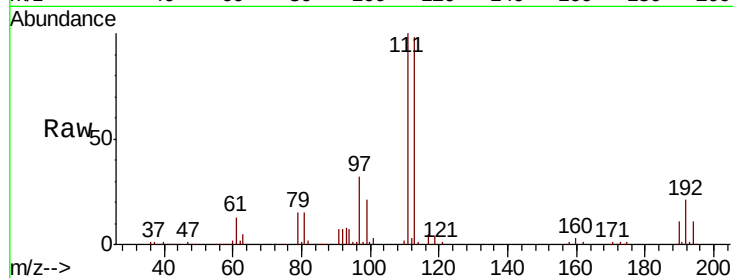
Tot Ion:113 Resp: 562214

Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

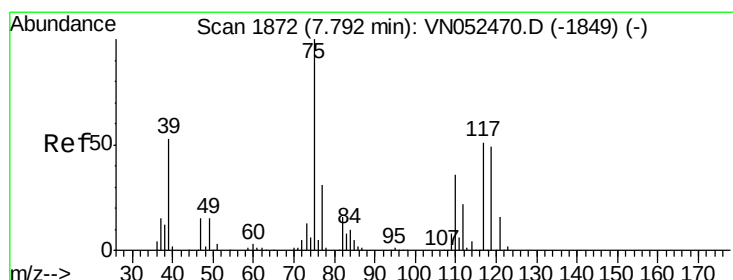
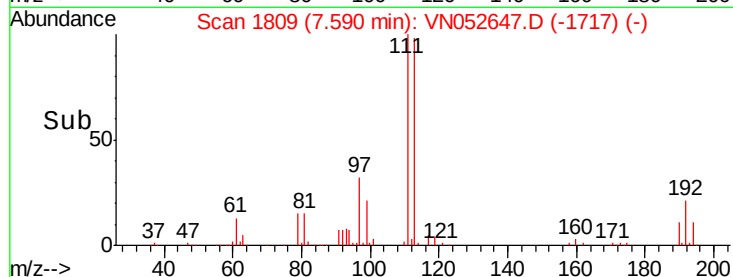
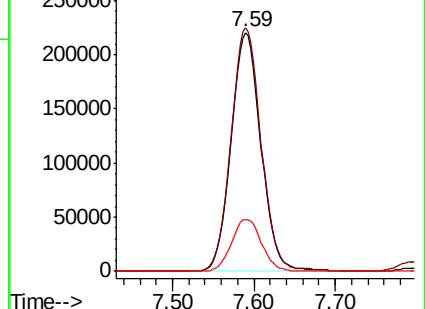
192 22.0 17.0 25.6



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: 19.137 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

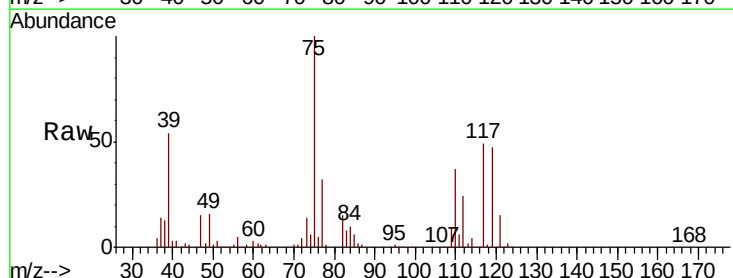
Tgt Ion: 75 Resp: 314931

Ion Ratio Lower Upper

75 100

110 36.1 17.5 52.6

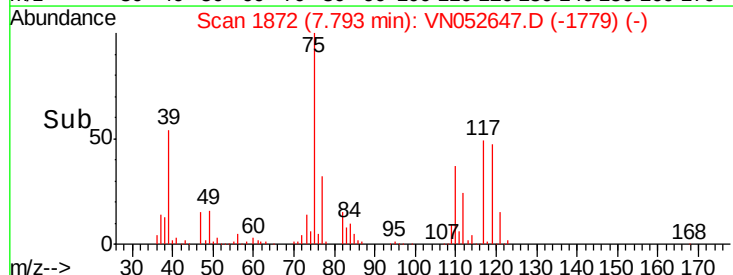
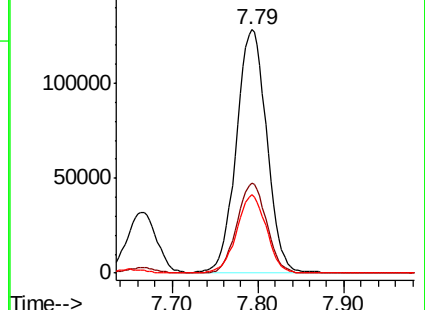
77 31.5 24.5 36.7

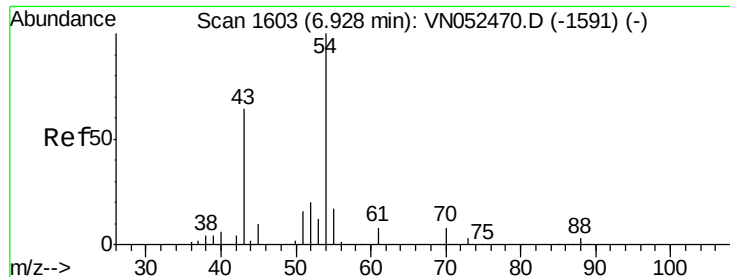


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

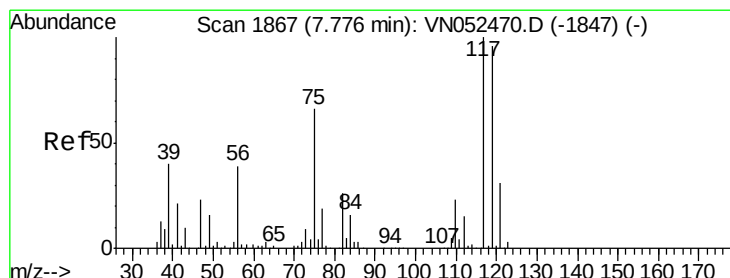
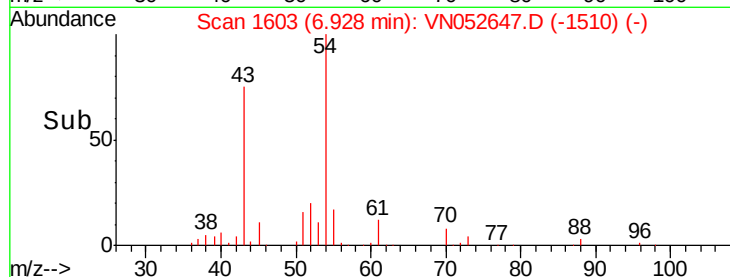
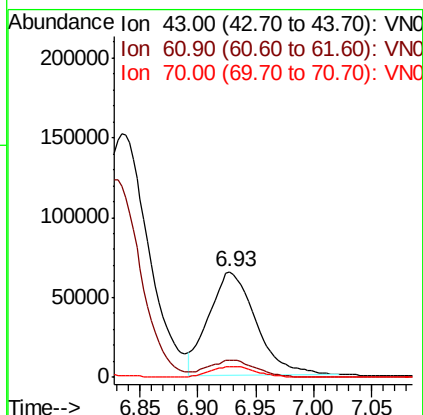
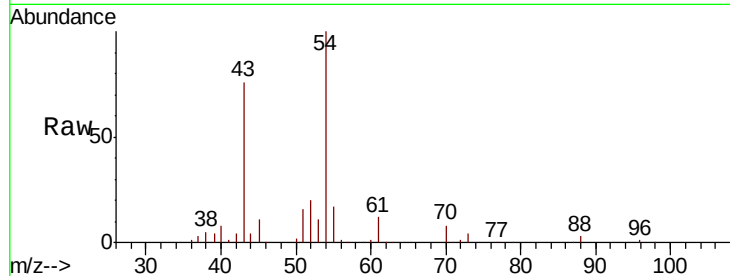




#37
Ethyl Acetate
Concen: 18.351 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

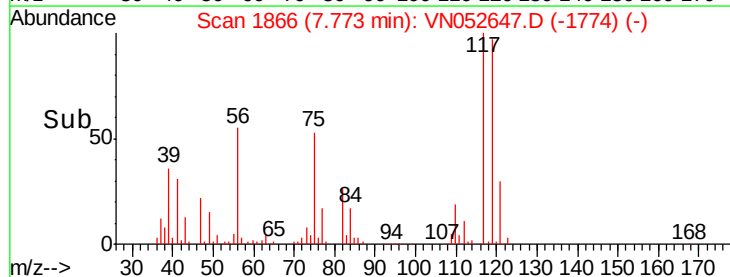
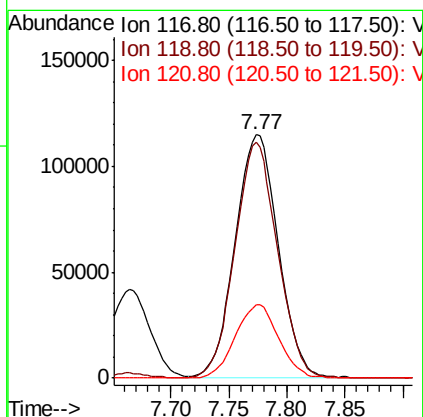
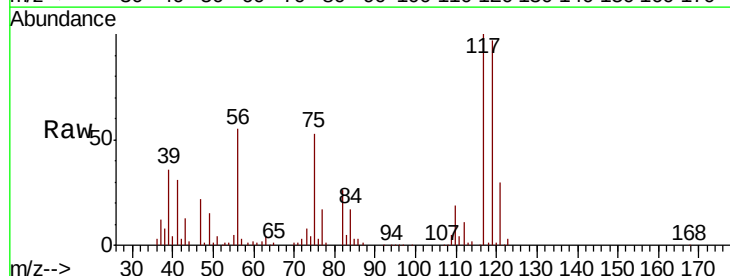
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

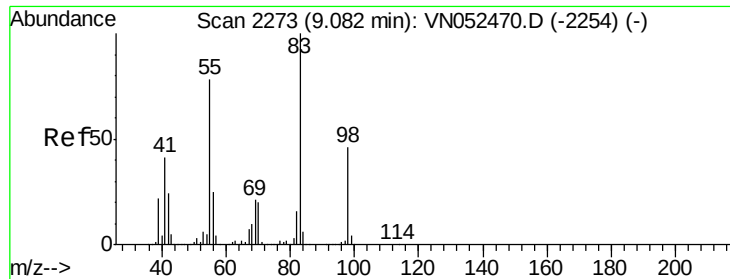
Tot Ion: 43 Resp: 184301
Ion Ratio Lower Upper
43 100
61 16.3 11.8 17.8
70 10.5 7.8 11.8



#38
Carbon Tetrachloride
Concen: 19.819 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion: 117 Resp: 295250
Ion Ratio Lower Upper
117 100
119 96.8 76.8 115.2
121 30.1 24.9 37.3

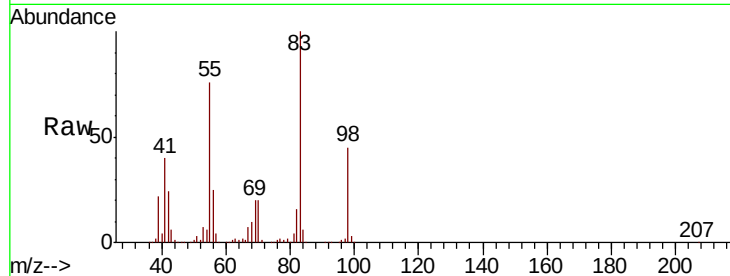




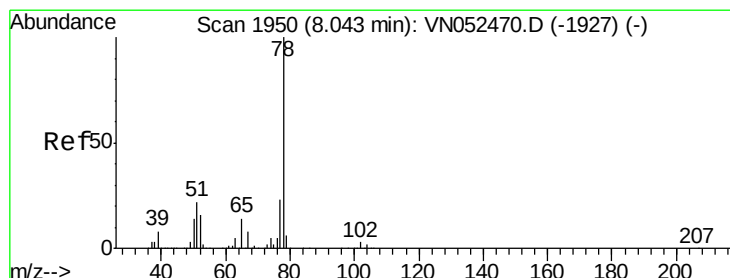
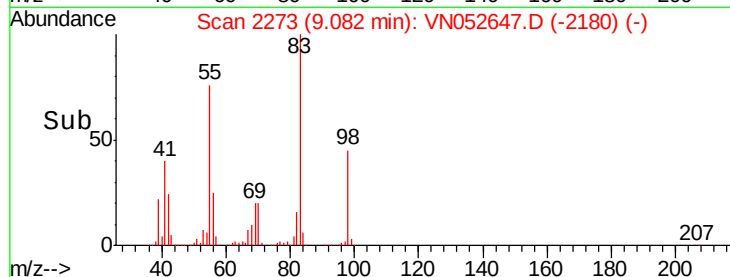
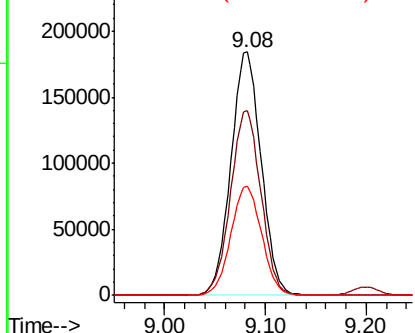
#39
Methylvlcyclohexane
Concen: 19.211 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion: 83 Resp: 384261
Ion Ratio Lower Upper
83 100
55 75.9 62.2 93.2
98 44.8 36.4 54.6

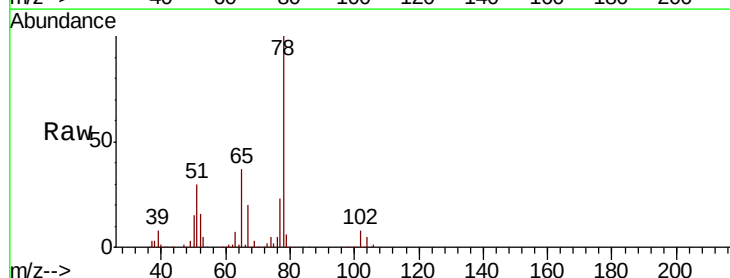


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

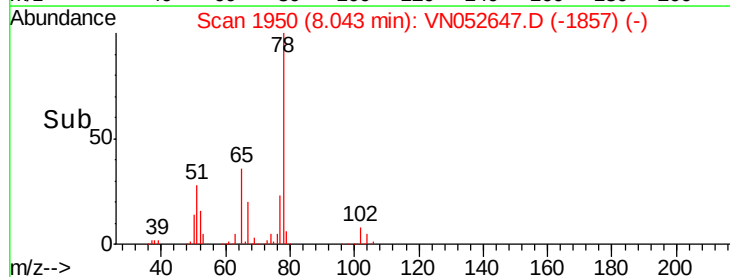
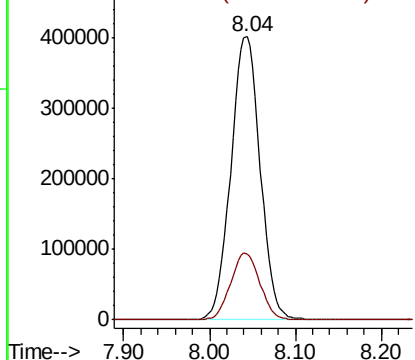


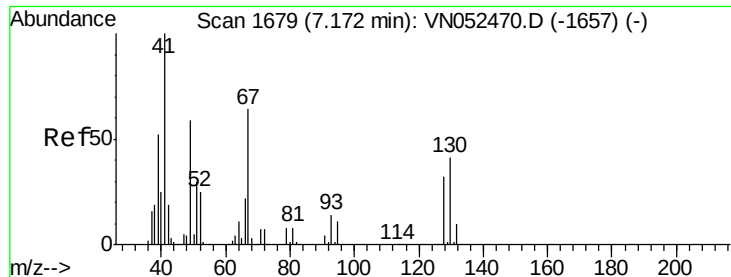
#40
Benzene
Concen: 19.383 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion: 78 Resp: 950603
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



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

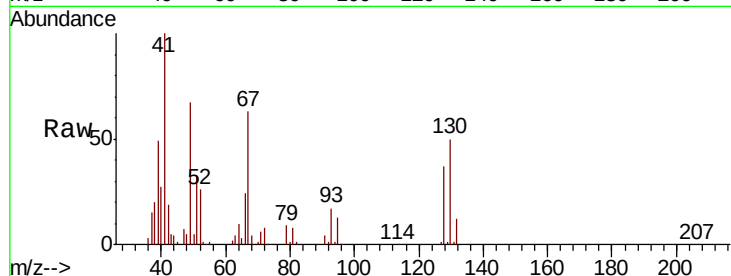




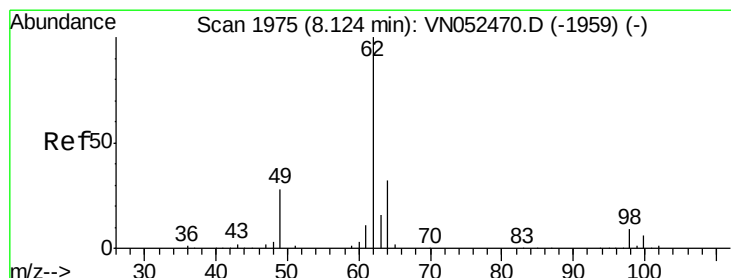
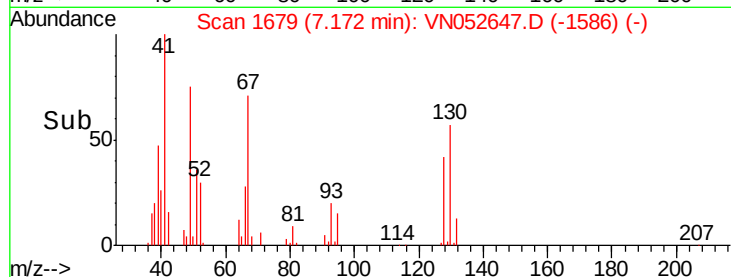
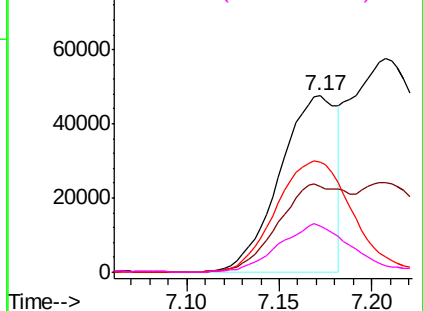
#41
Methacrylonitrile
Concen: 18.548 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion:	41	Resp:	101842
Ion	Ratio	Lower	Upper
41	100		
39	62.8	50.9	76.3
67	85.6	63.6	95.4
52	35.6	24.4	36.6

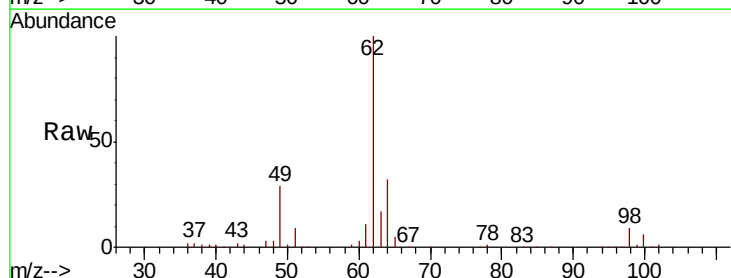


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

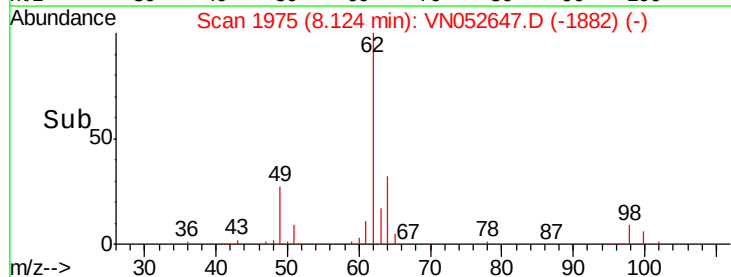
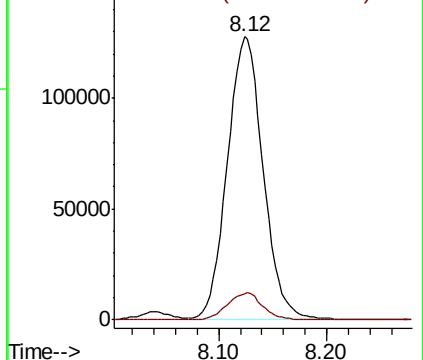


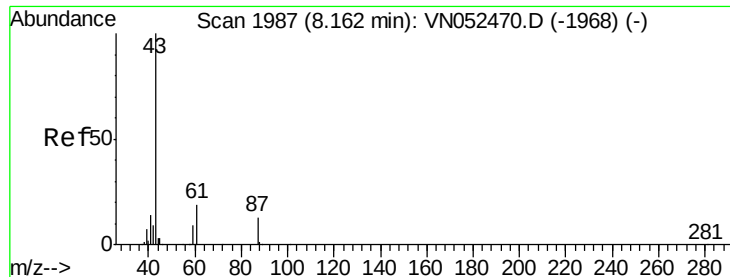
#42
1,2-Dichloroethane
Concen: 19.754 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion:	62	Resp:	293335
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 20.134 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

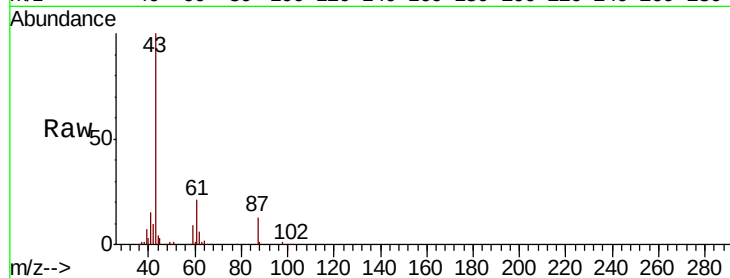
Tot Ion: 43 Resp: 342202

Ion Ratio Lower Upper

43 100

61 28.8 24.1 36.1

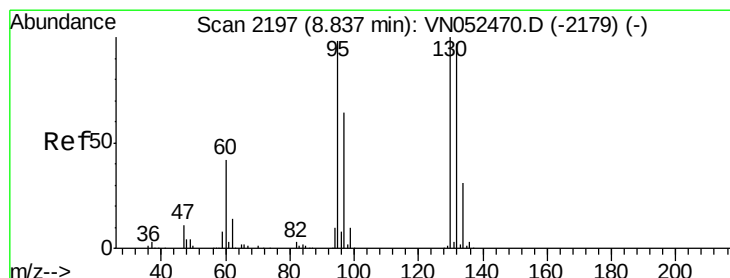
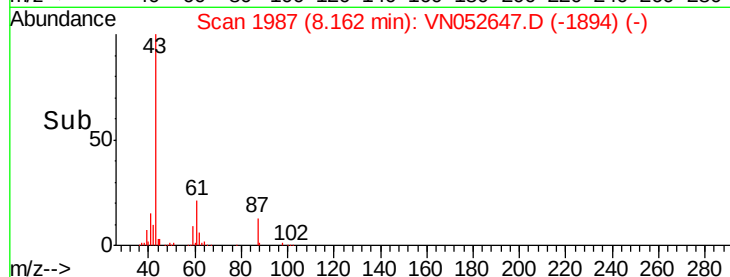
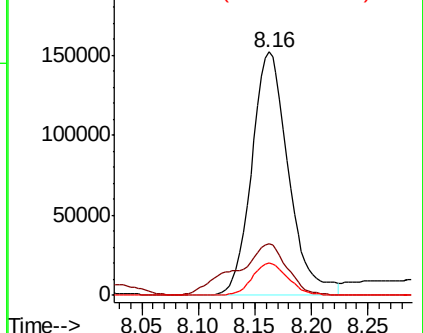
87 13.0 10.6 15.8



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) (-)



#44

Trichloroethene

Concen: 19.847 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052647.D

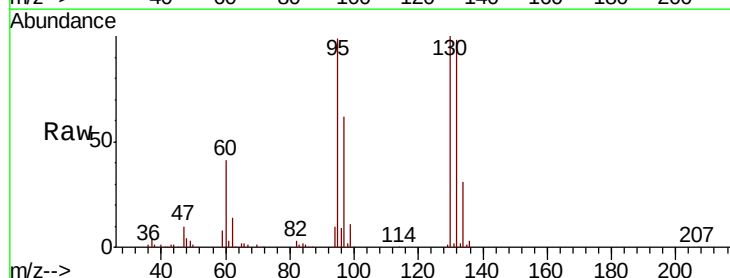
Acq: 4 Dec 2018 12:00

Tgt Ion:130 Resp: 249320

Ion Ratio Lower Upper

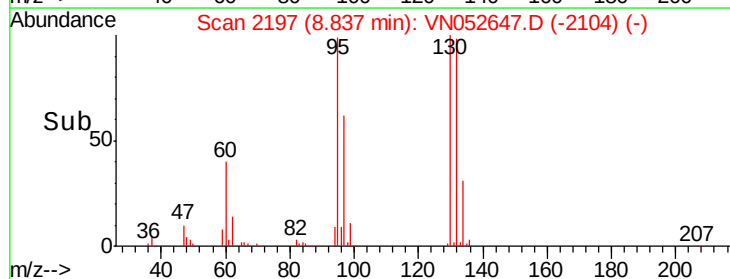
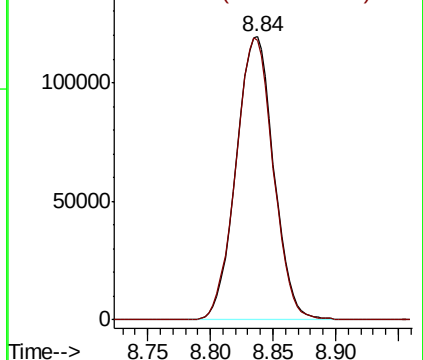
130 100

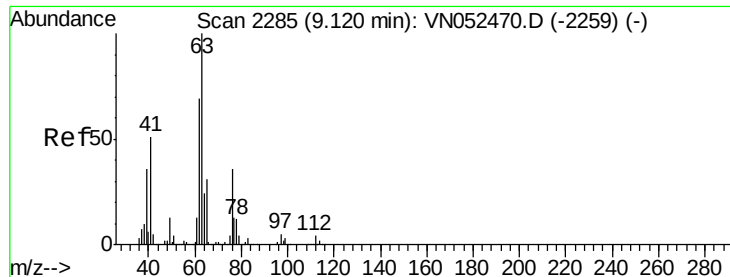
95 99.0 0.0 195.6



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

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





#45

1,2-Dichloropropane

Concen: 19.443 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

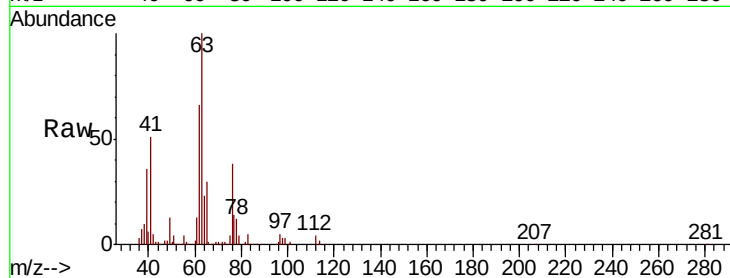
VN1204WBS01

Tot Ion: 63 Resp: 253509

Ion Ratio Lower Upper

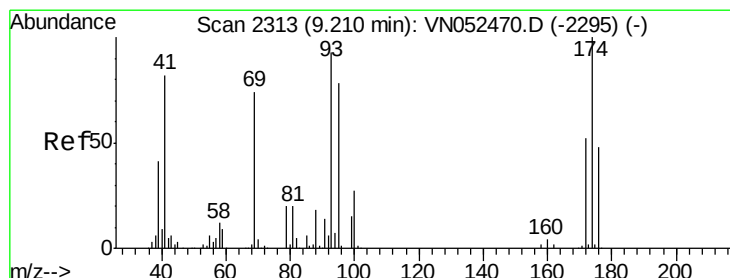
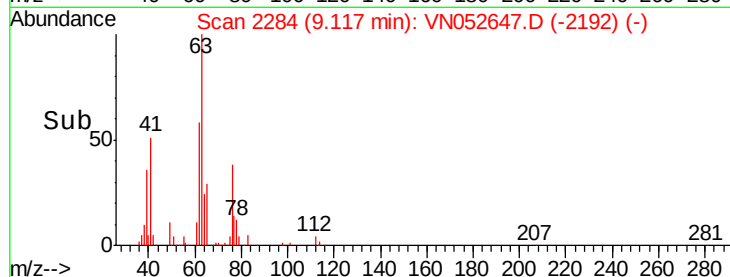
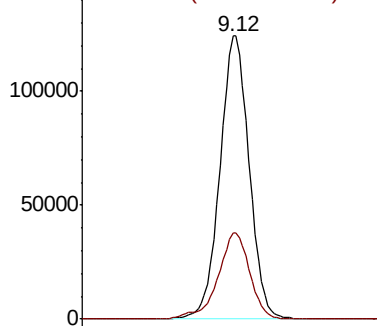
63 100

65 30.5 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.060 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

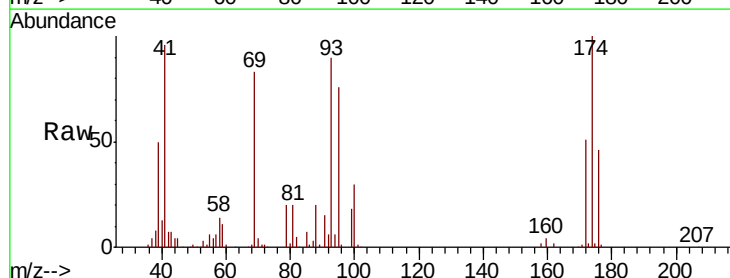
Tgt Ion: 93 Resp: 144790

Ion Ratio Lower Upper

93 100

95 82.6 67.1 100.7

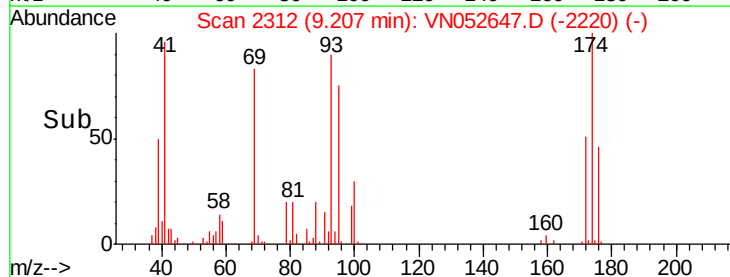
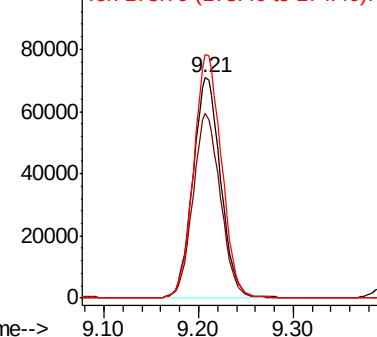
174 110.8 85.8 128.8

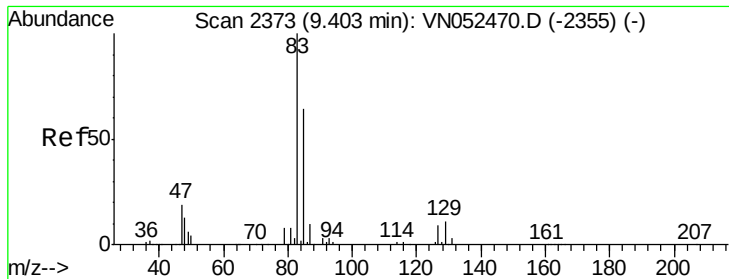


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.911 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

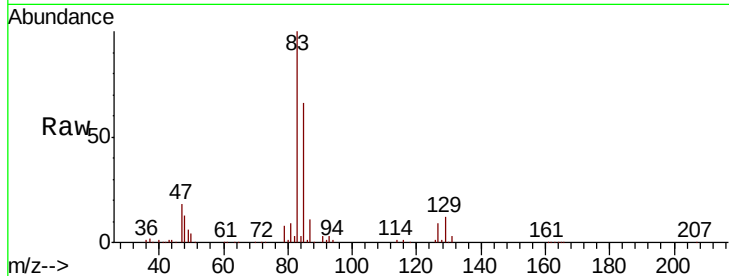
Tot Ion: 83 Resp: 312472

Ion Ratio Lower Upper

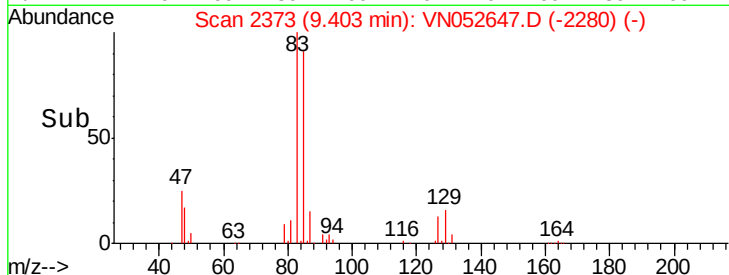
83 100

85 65.6 51.3 76.9

127 9.0 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN052647.D (-2280) (-)

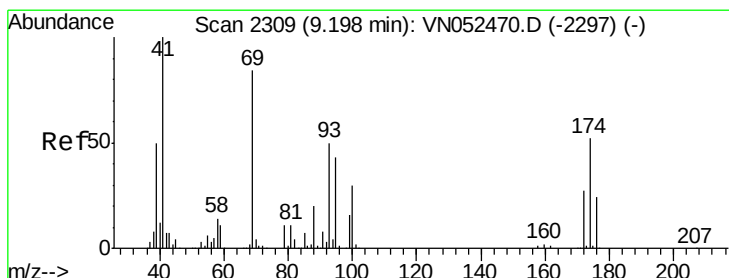


Ion 84.90 (84.60 to 85.60): VN052647.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052647.D (-2280) (-)

Time-->

9.30 9.40 9.50



#48

Methyl methacrylate

Concen: 19.371 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

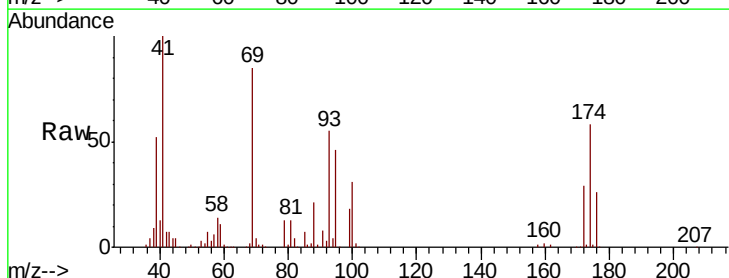
Tgt Ion: 41 Resp: 171673

Ion Ratio Lower Upper

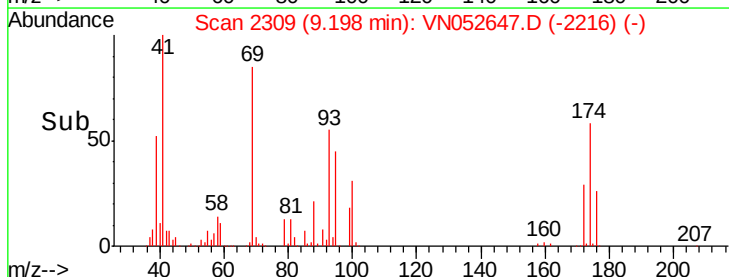
41 100

69 89.6 70.0 105.0

39 53.9 42.6 64.0



Abundance Ion 41.00 (40.70 to 41.70): VN052647.D (-2216) (-)

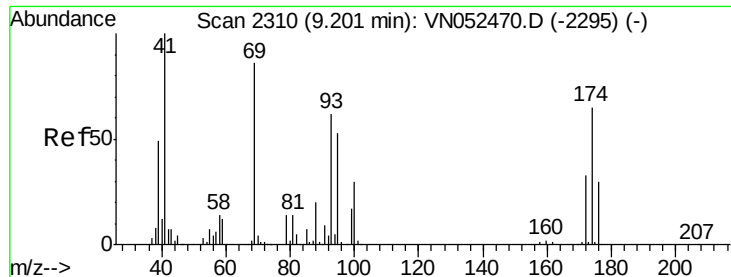


Ion 69.00 (68.70 to 69.70): VN052647.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052647.D (-2216) (-)

Time-->

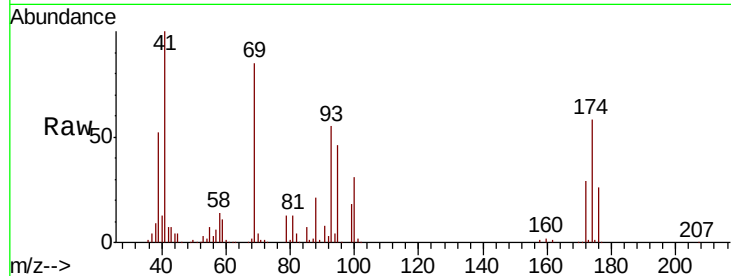
9.15 9.20 9.25



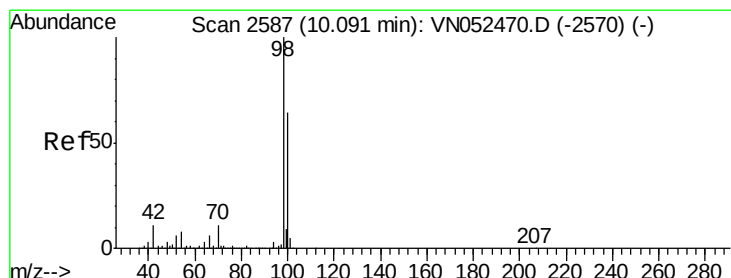
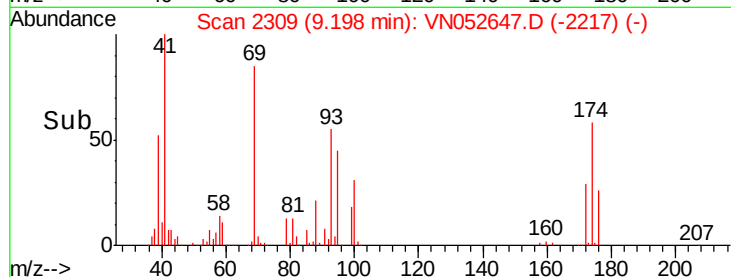
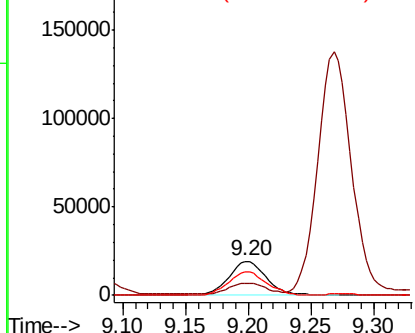
#49
1,4-Dioxane
Concen: 435.424 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion: 88 Resp: 40048
Ion Ratio Lower Upper
88 100
43 30.2 26.4 39.6
58 70.8 55.4 83.0

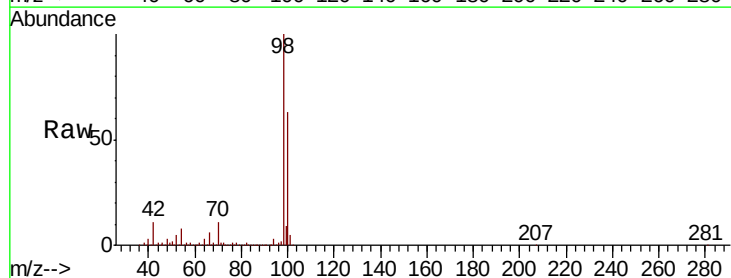


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

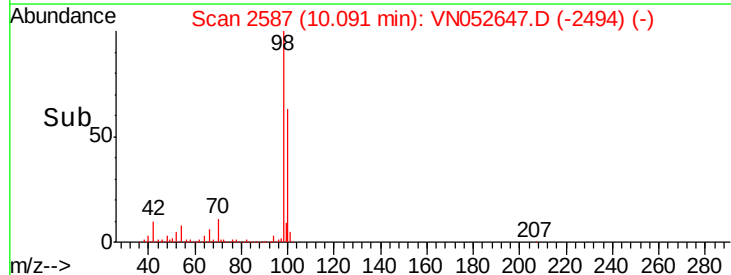
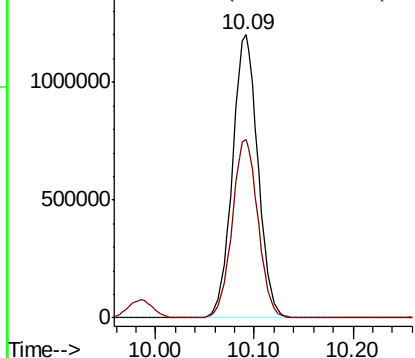


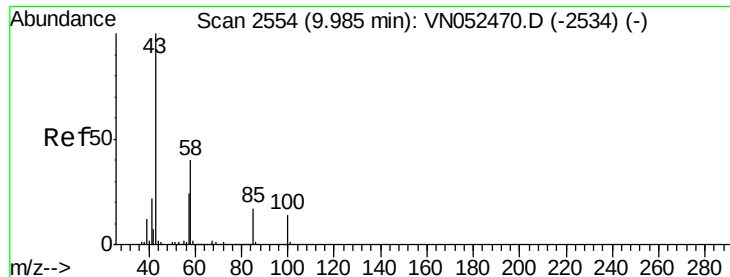
#50
Toluene-d8
Concen: 435.424 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion: 98 Resp: 2151800
Ion Ratio Lower Upper
98 100
100 63.7 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: 99.572 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampled :

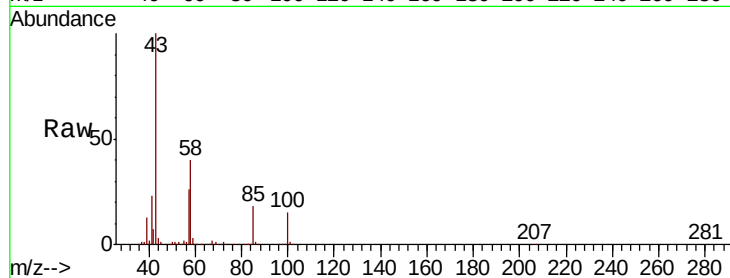
VN1204WBS01

Tot Ion: 43 Resp: 949512

Ion Ratio Lower Upper

43 100

58 39.8 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-2534) (-)

600000

500000

400000

300000

200000

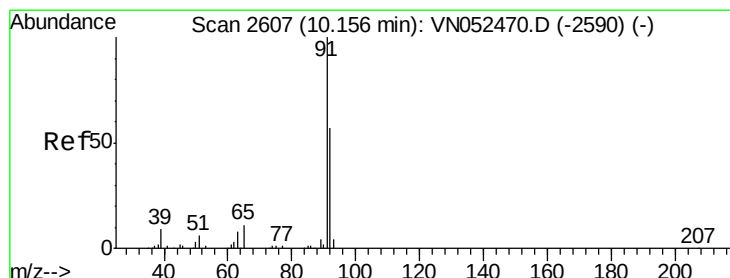
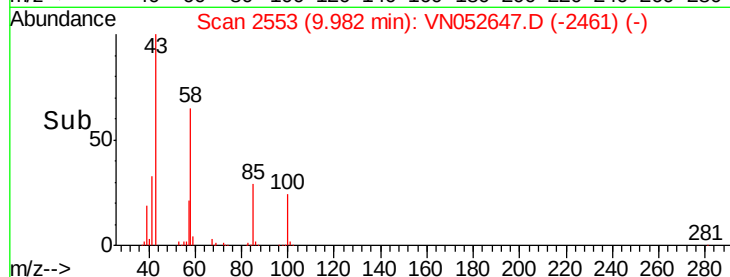
100000

0

9.98

9.90 10.00

Time-->



#52

Toluene

Concen: 19.978 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052647.D

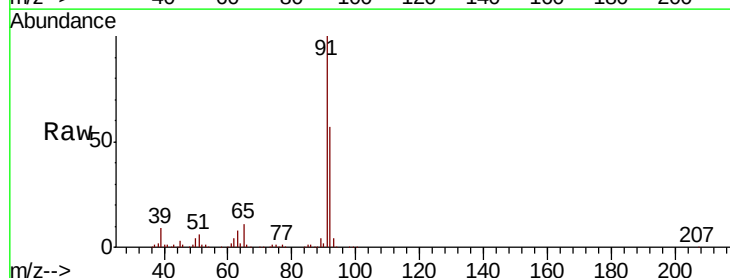
Acq: 4 Dec 2018 12:00

Tgt Ion: 92 Resp: 582129

Ion Ratio Lower Upper

92 100

91 175.8 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN052470.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN052470.D (-2590) (-)

600000

500000

400000

300000

200000

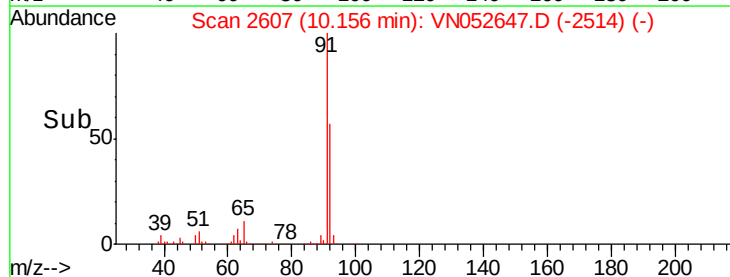
100000

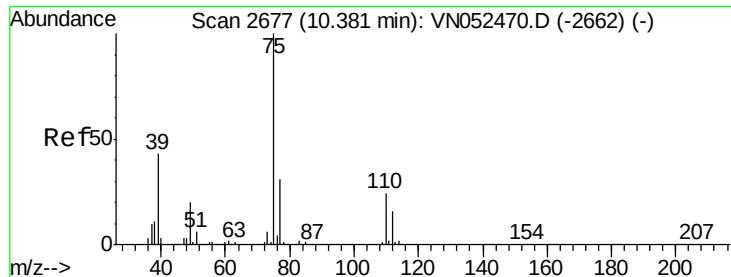
0

10.16

10.10 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.106 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

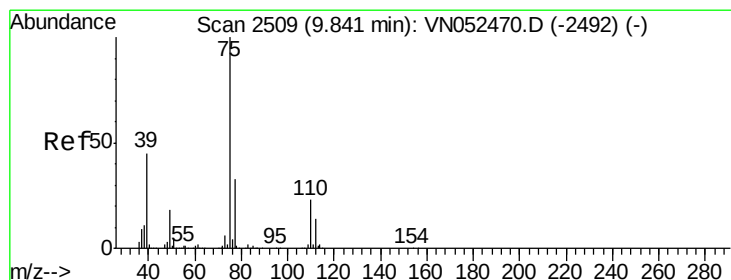
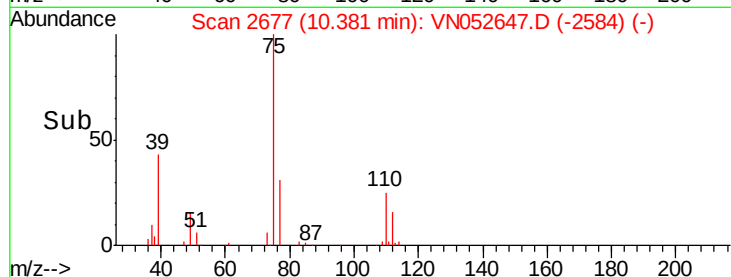
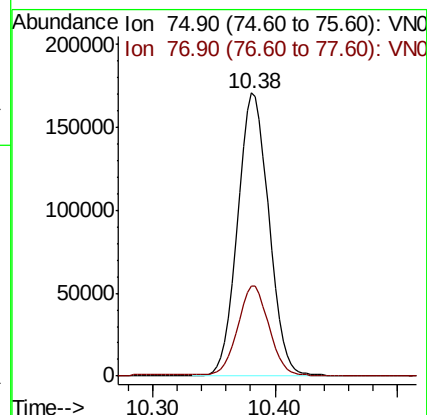
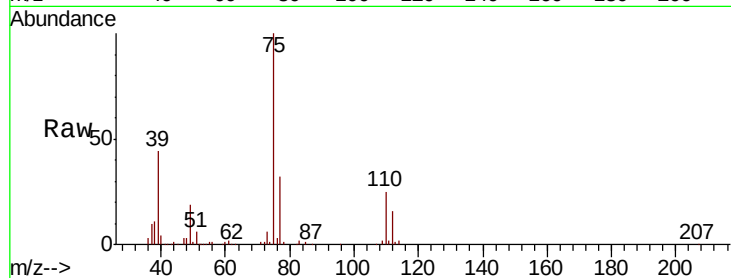
VN1204WBS01

Tot Ion: 75 Resp: 303546

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.071 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

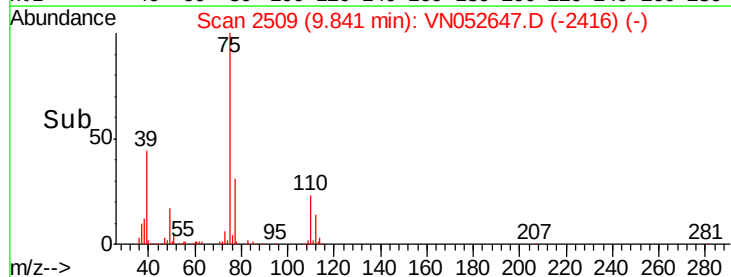
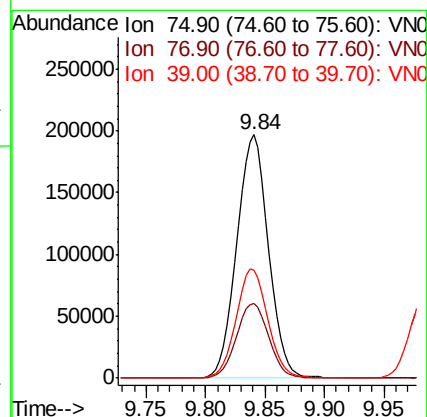
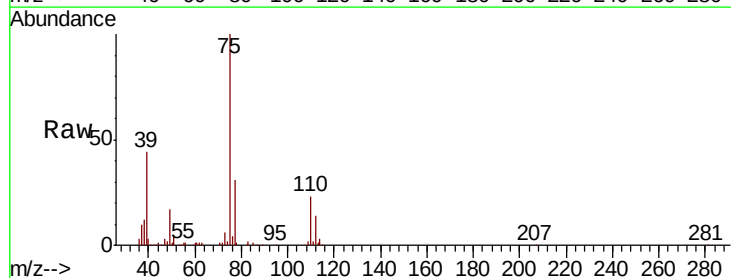
Tgt Ion: 75 Resp: 363130

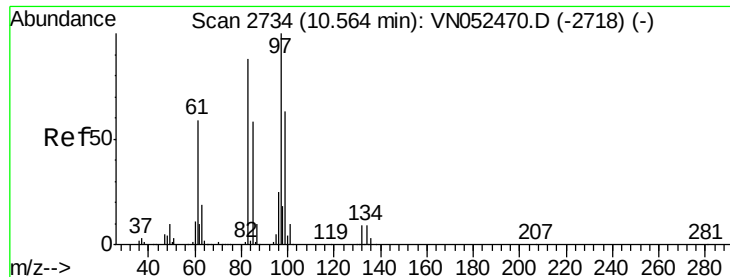
Ion Ratio Lower Upper

75 100

77 30.7 26.2 39.2

39 44.3 36.0 54.0

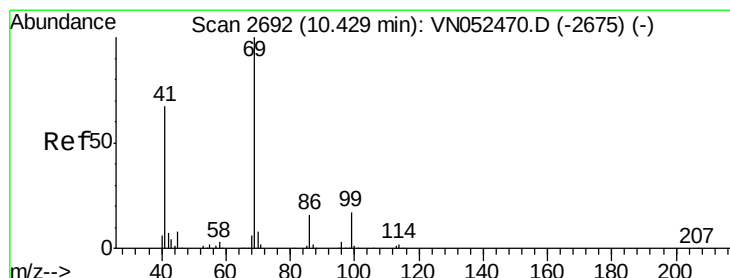
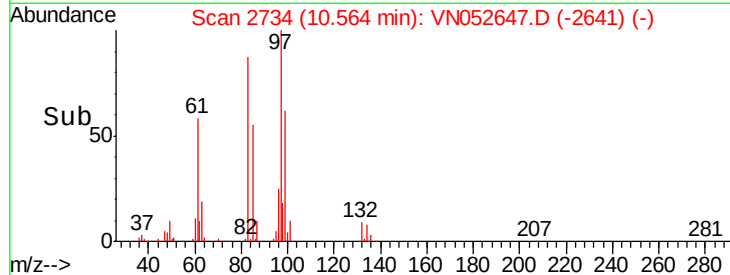
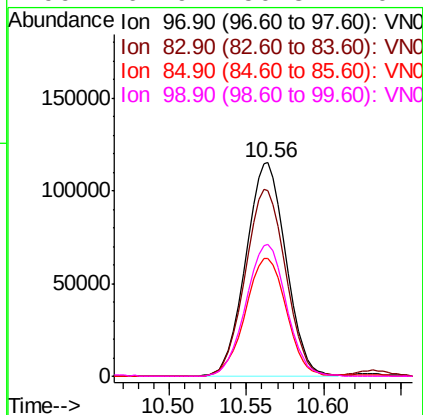
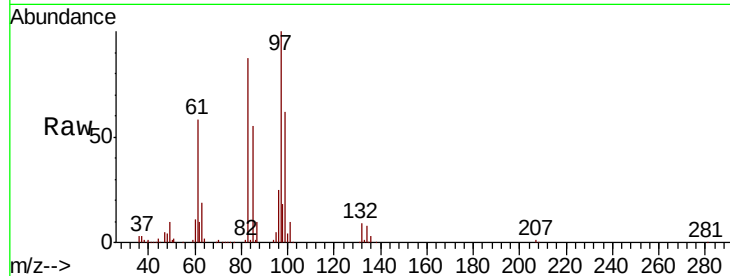




#55
 1,1,2-Trichloroethane
 Concen: 20.285 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

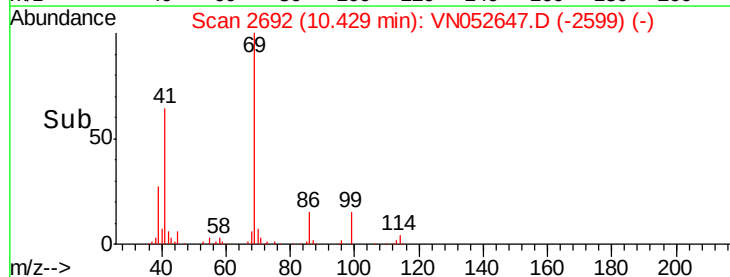
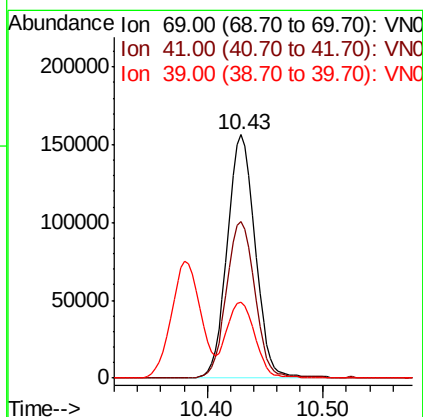
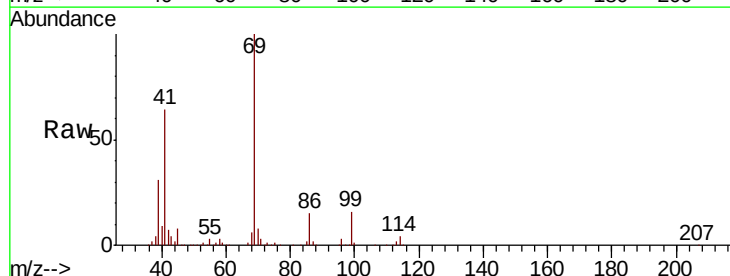
Instrument :
 MSVOA_N
 ClientSampled :
 VN1204WBS01

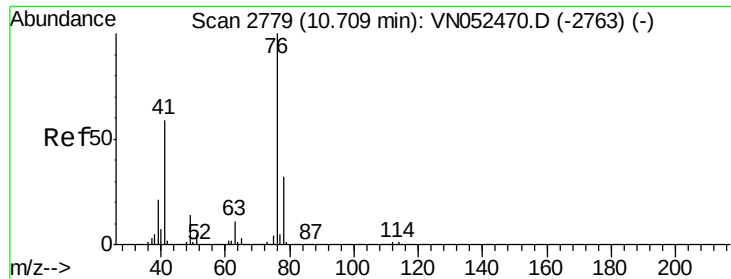
Tot Ion: 97 Resp: 207912
 Ion Ratio Lower Upper
 97 100
 83 86.7 70.7 106.1
 85 55.4 46.1 69.1
 99 61.9 50.8 76.2



#56
 Ethyl methacrylate
 Concen: 19.986 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Tgt Ion: 69 Resp: 260130
 Ion Ratio Lower Upper
 69 100
 41 65.1 52.6 79.0
 39 31.8 25.9 38.9

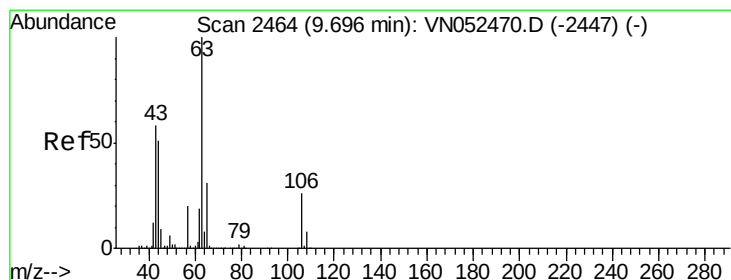
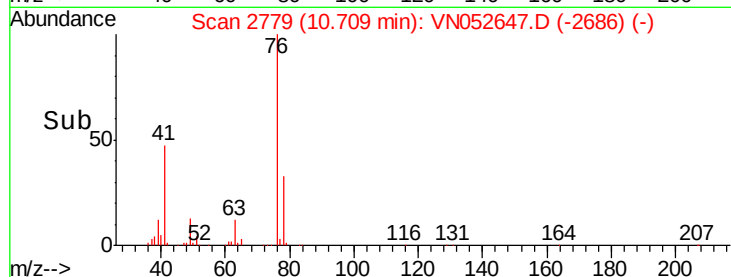
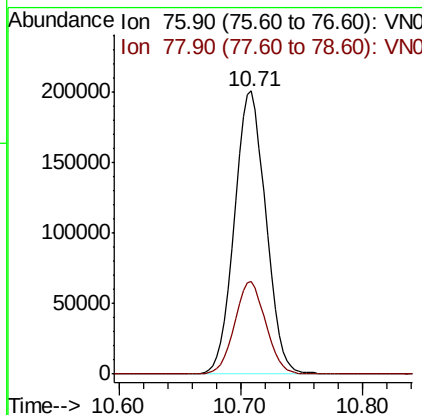
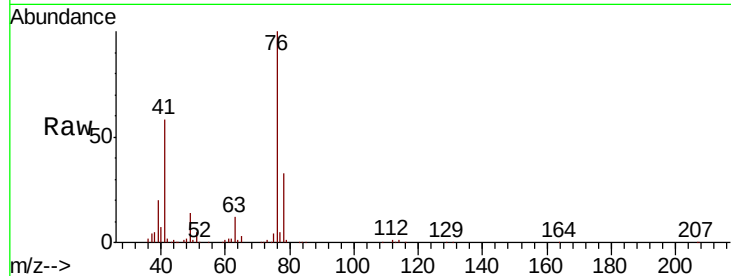




#57
 1,3-Dichloropropane
 Concen: 19.759 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

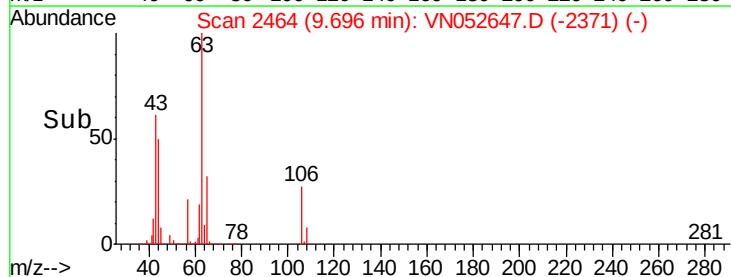
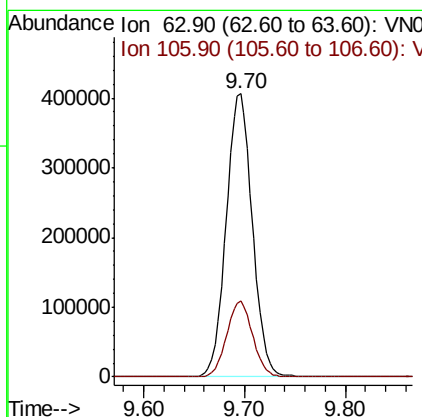
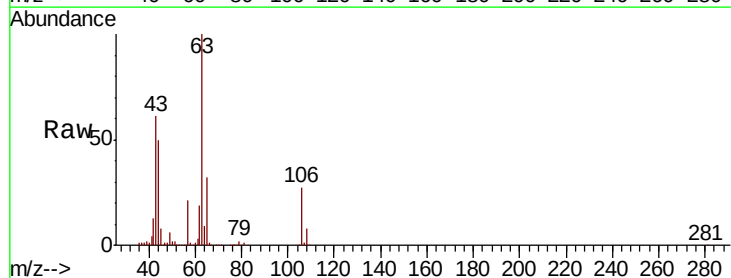
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

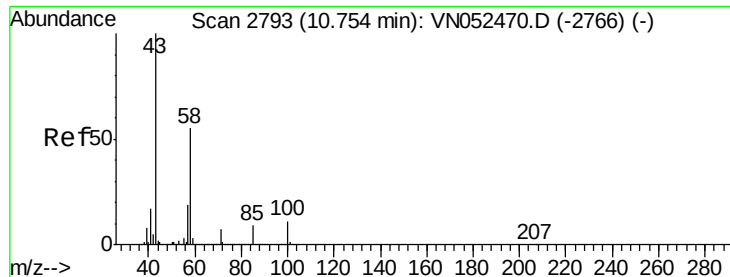
Tot Ion: 76 Resp: 357601
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.923 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Tgt Ion: 63 Resp: 735726
 Ion Ratio Lower Upper
 63 100
 106 26.6 20.6 30.8

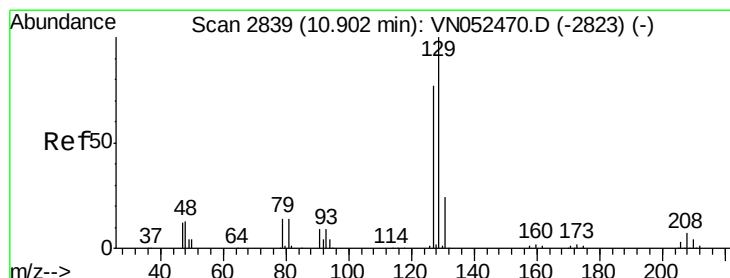
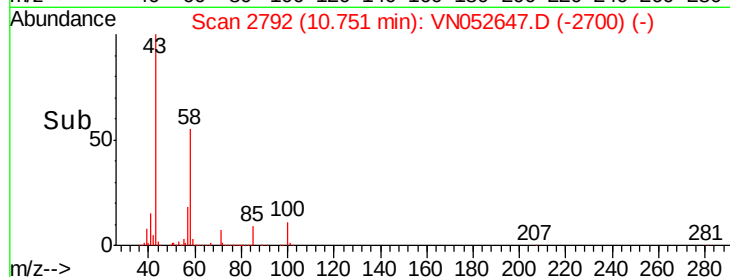
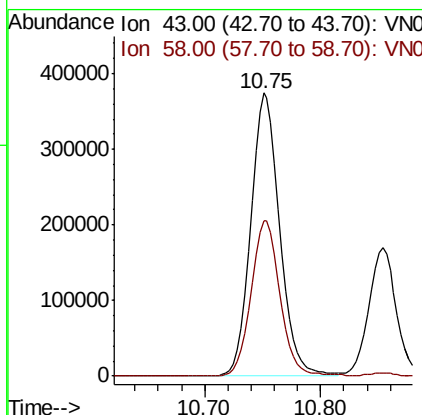
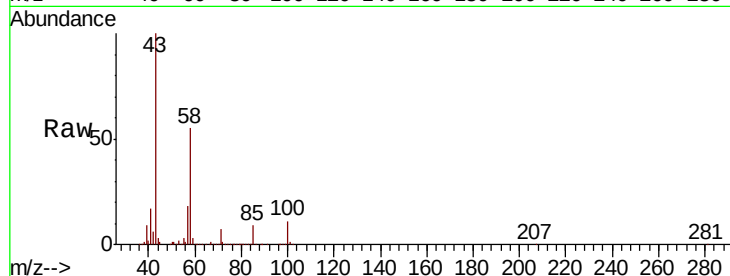




#59
2-Hexanone
Concen: 101.549 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

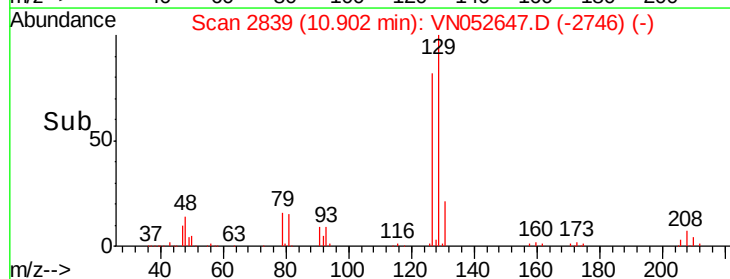
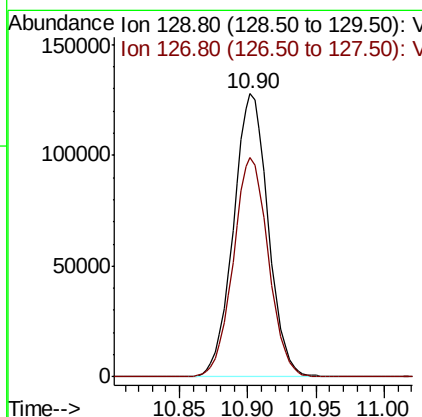
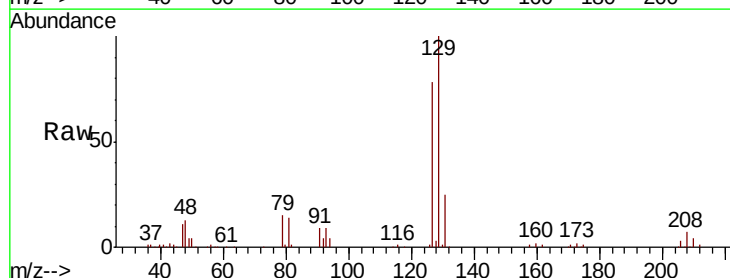
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

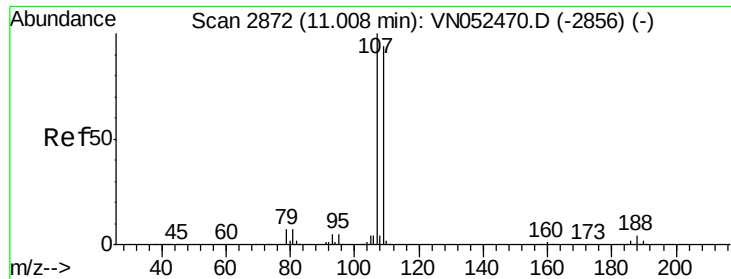
Tot Ion: 43 Resp: 649924
Ion Ratio Lower Upper
43 100
58 55.4 27.4 82.0



#60
Dibromochloromethane
Concen: 20.264 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion: 129 Resp: 225586
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.976 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

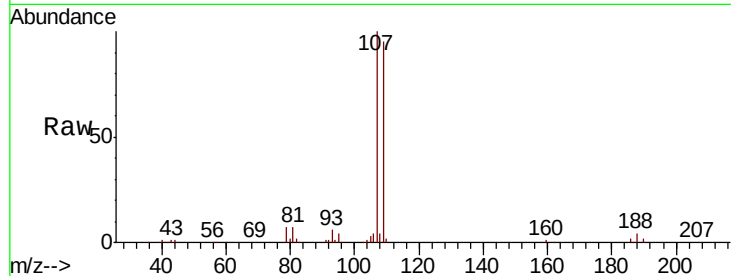
VN1204WBS01

Tot Ion: 107 Resp: 203356

Ion Ratio Lower Upper

107 100

109 95.2 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

120000

100000

80000

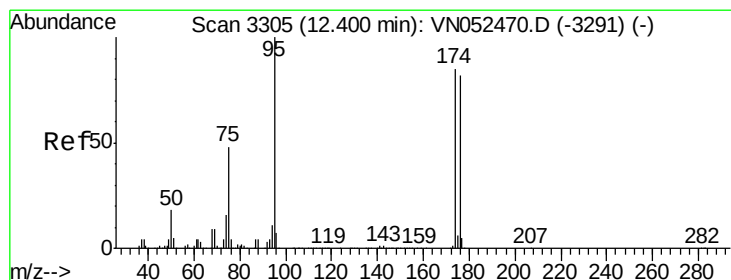
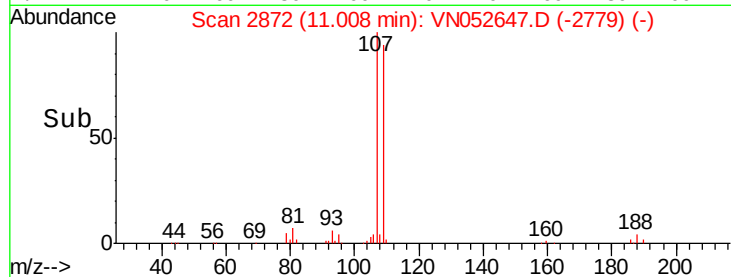
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 19.976 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

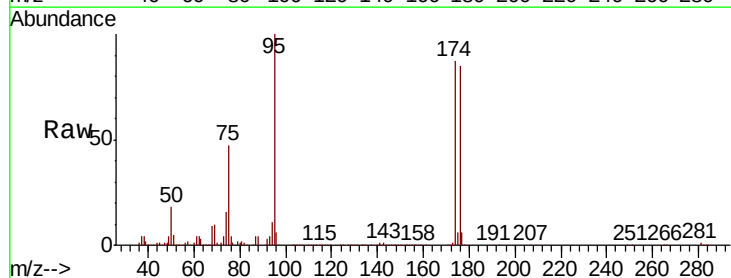
Tgt Ion: 95 Resp: 731252

Ion Ratio Lower Upper

95 100

174 87.7 0.0 173.0

176 85.7 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

600000

500000

400000

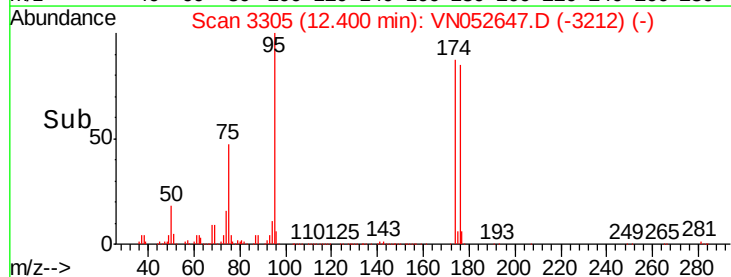
300000

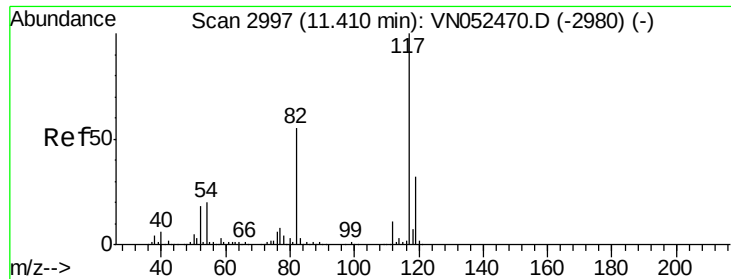
200000

100000

0

Time--> 12.30 12.35 12.40 12.45

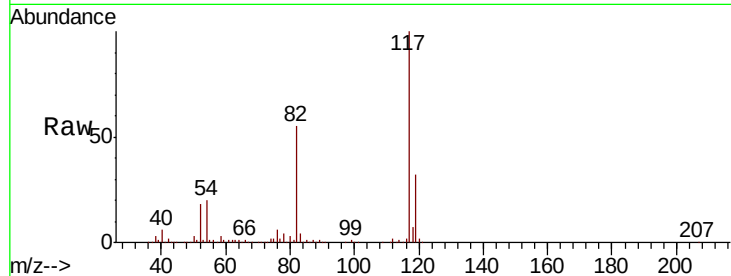




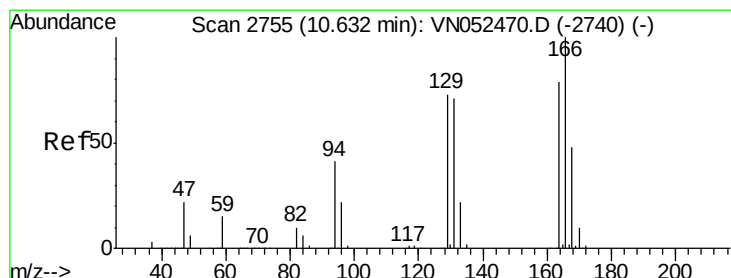
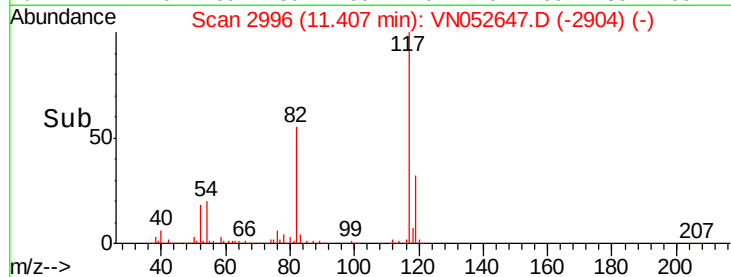
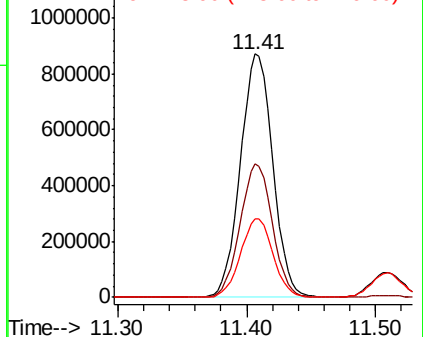
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion:117 Resp: 1523071
Ion Ratio Lower Upper
117 100
82 55.0 43.6 65.4
119 32.5 25.4 38.2

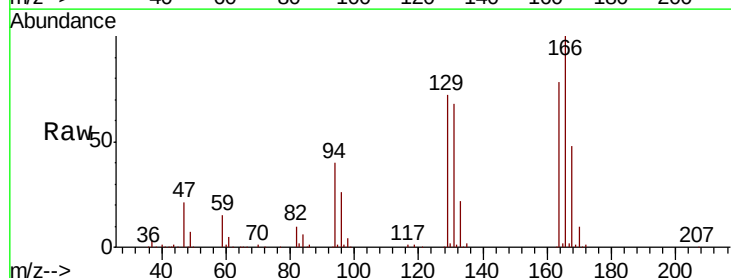


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

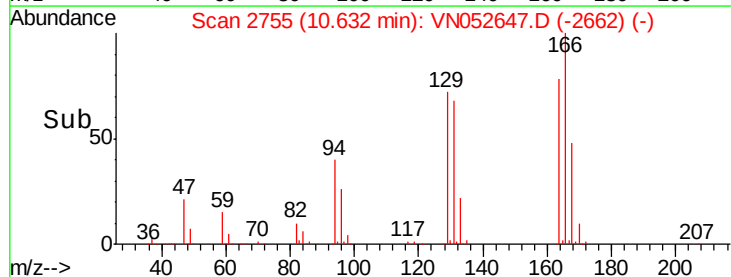
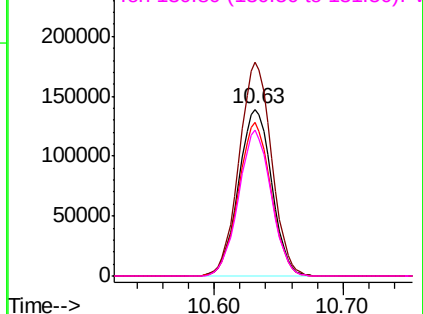


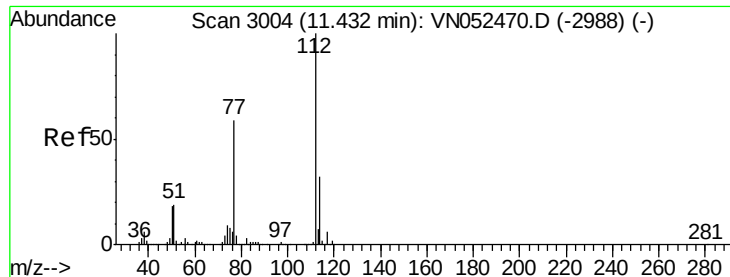
#64
Tetrachloroethene
Concen: 21.058 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion:164 Resp: 248675
Ion Ratio Lower Upper
164 100
166 128.2 101.0 151.4
129 91.9 73.8 110.6
131 87.5 71.2 106.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

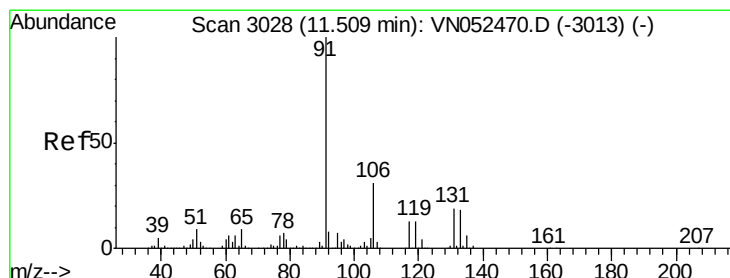
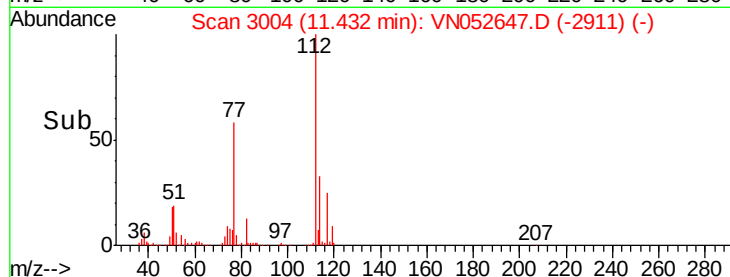
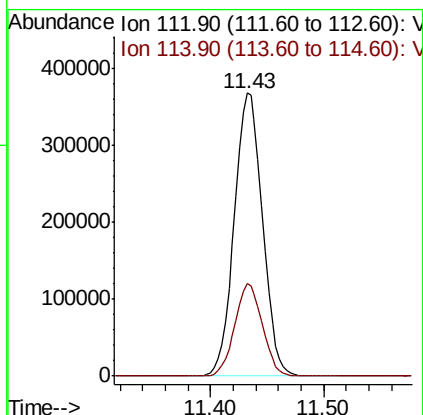
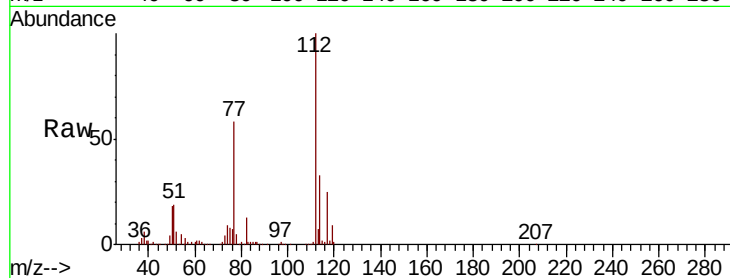




#65
Chlorobenzene
Concen: 20.345 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

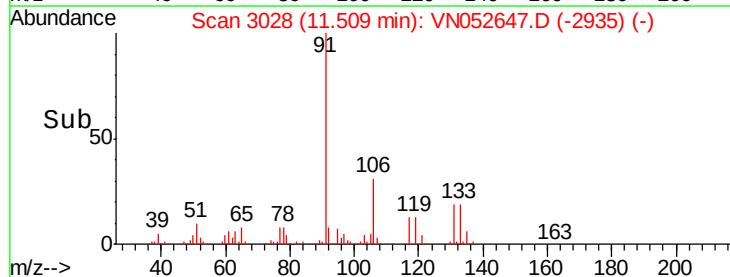
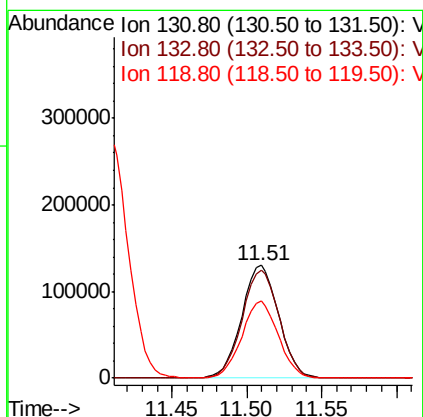
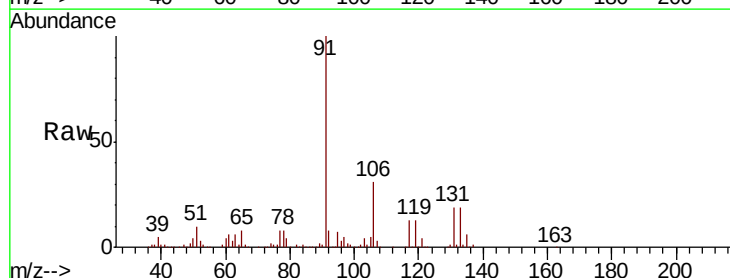
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

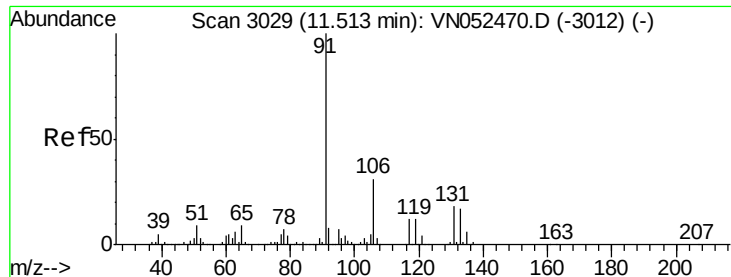
Tot Ion:112 Resp: 638935
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.500 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion:131 Resp: 223859
Ion Ratio Lower Upper
131 100
133 96.2 47.6 142.8
119 67.4 33.2 99.6

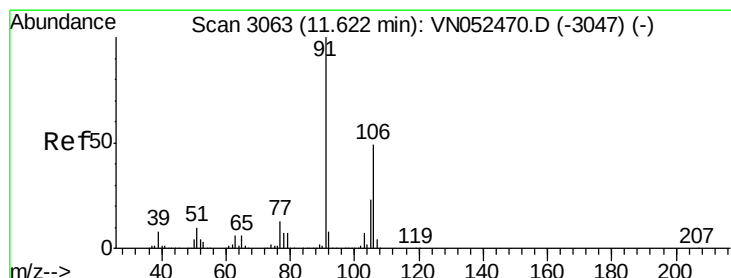
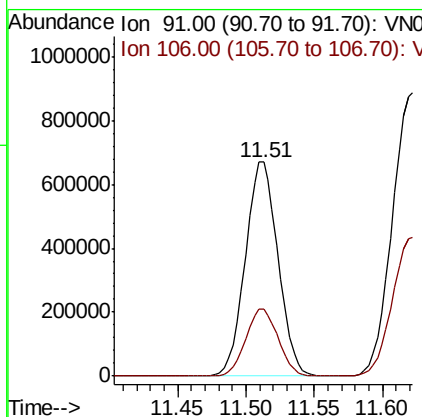
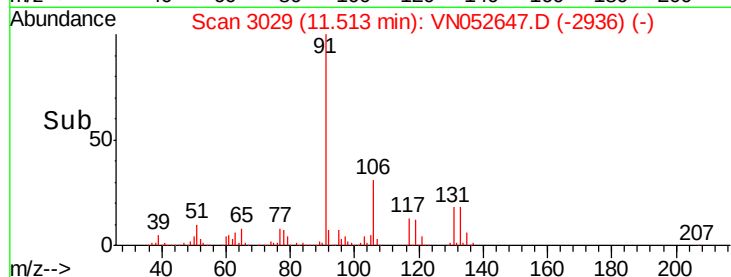
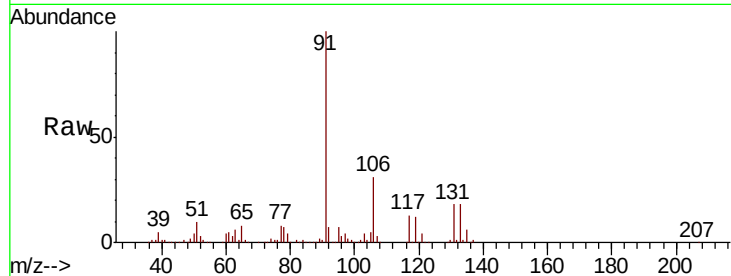




#67
Ethyl Benzene
Concen: 20.241 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

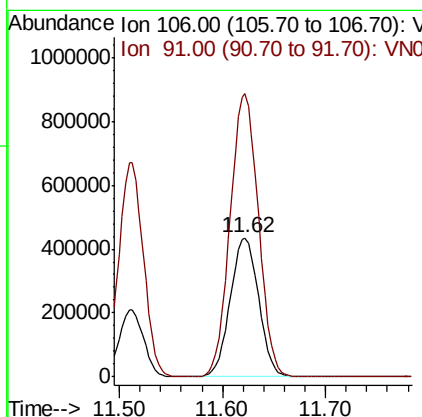
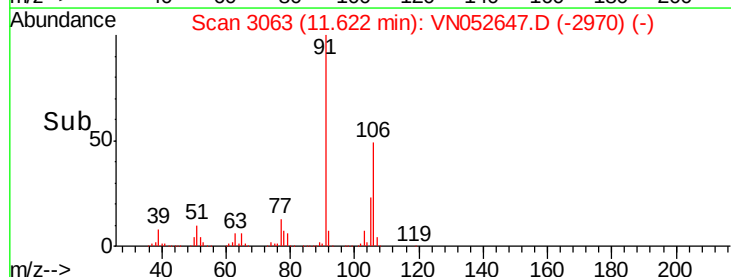
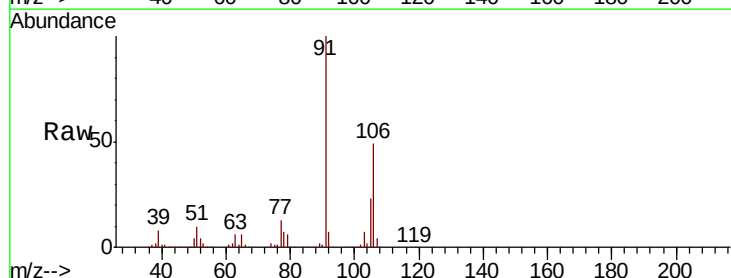
Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

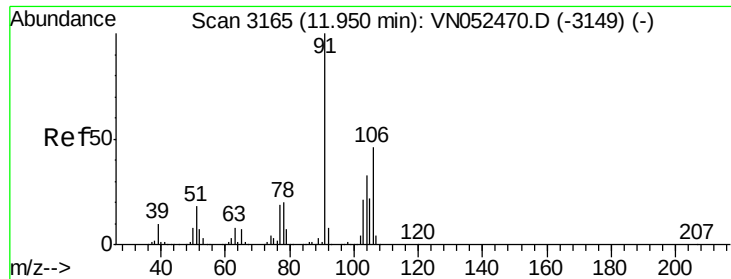
Tot Ion: 91 Resp: 1113200
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



#68
m/p-Xylenes
Concen: 40.795 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion: 106 Resp: 835228
Ion Ratio Lower Upper
106 100
91 203.1 163.2 244.8

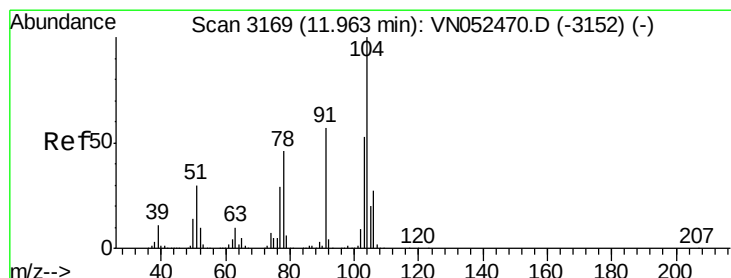
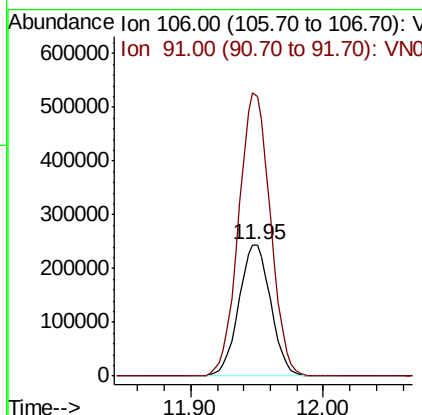
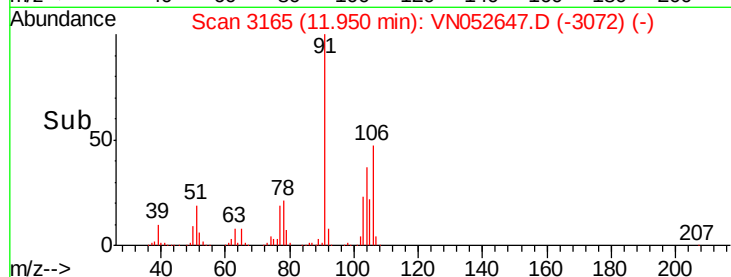
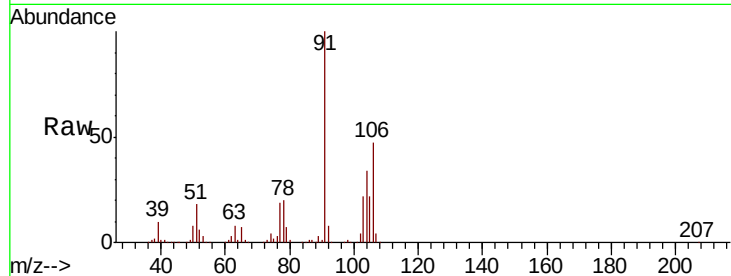




#69
o-Xylene
Concen: 20.456 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

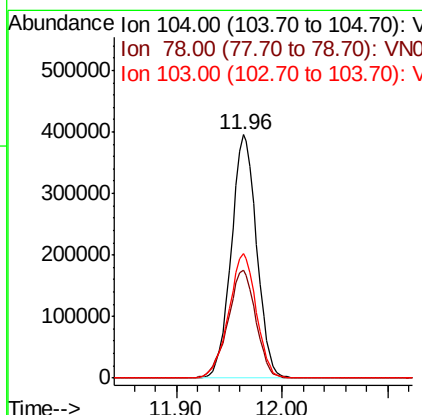
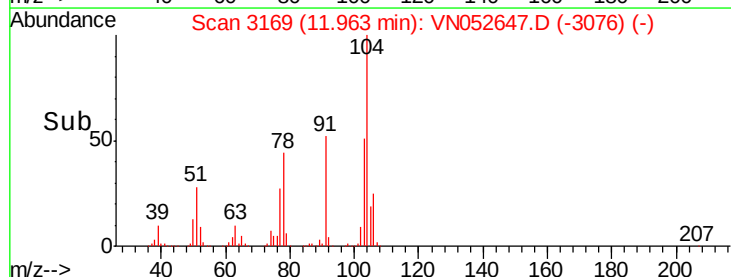
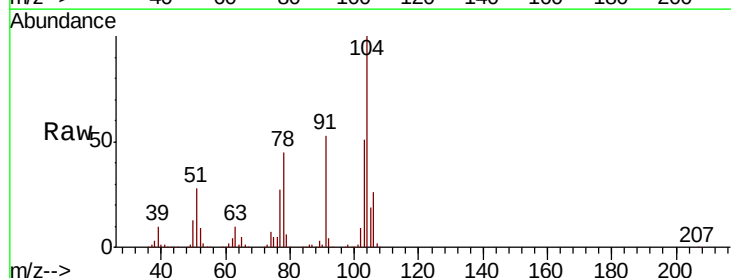
Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

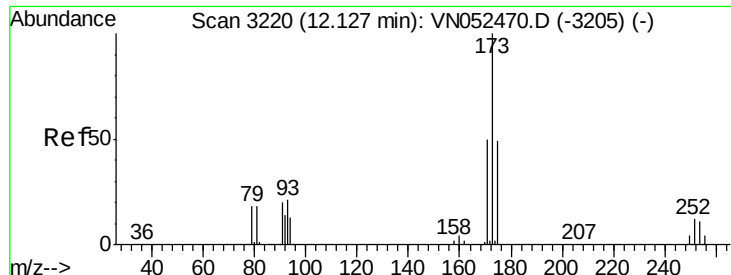
Tot Ion:106 Resp: 406707
Ion Ratio Lower Upper
106 100
91 214.9 107.7 323.1



#70
Styrene
Concen: 20.749 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion:104 Resp: 657064
Ion Ratio Lower Upper
104 100
78 48.9 39.4 59.2
103 55.6 44.9 67.3

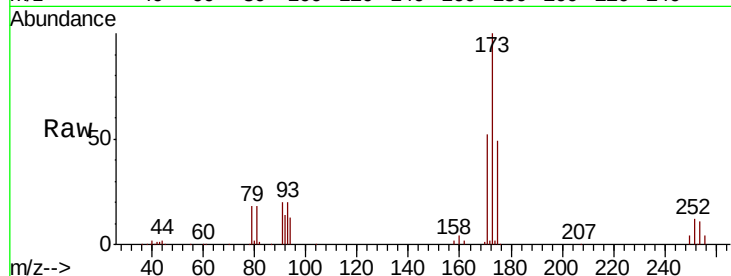




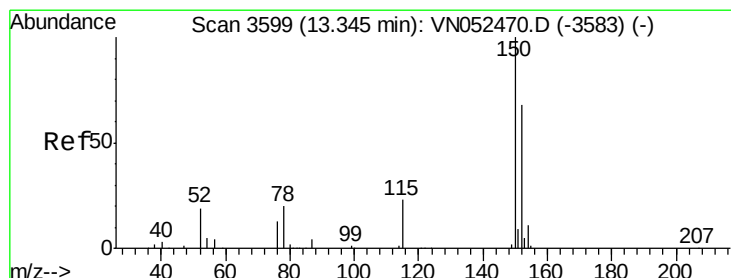
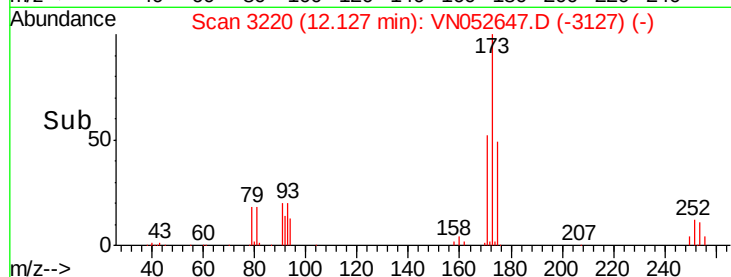
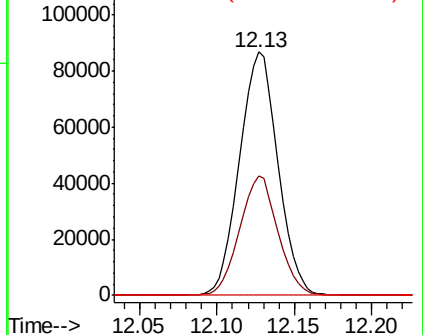
#71
Bromoform
Concen: 20.740 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion:173 Resp: 149959
Ion Ratio Lower Upper
173 100
175 48.8 24.4 73.2
254 0.0 0.1 0.1#

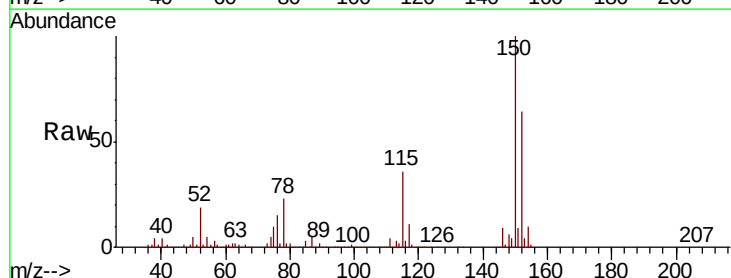


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

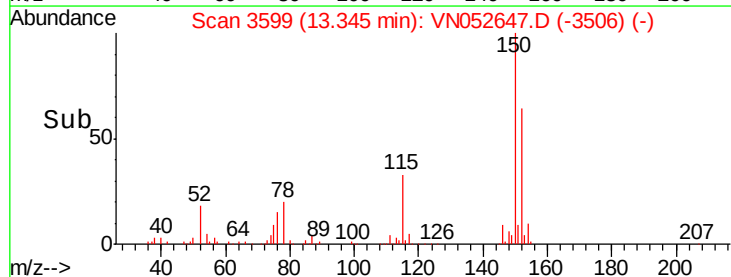
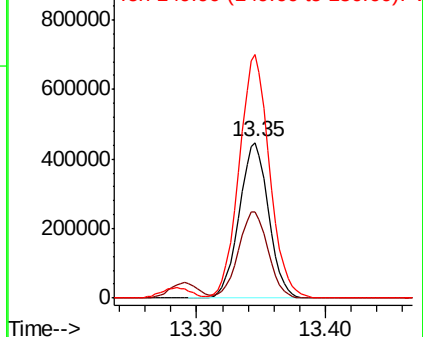


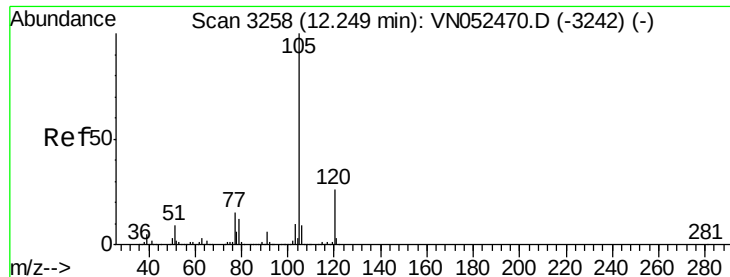
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion:152 Resp: 705130
Ion Ratio Lower Upper
152 100
115 56.2 28.4 85.2
150 162.5 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: 19.836 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

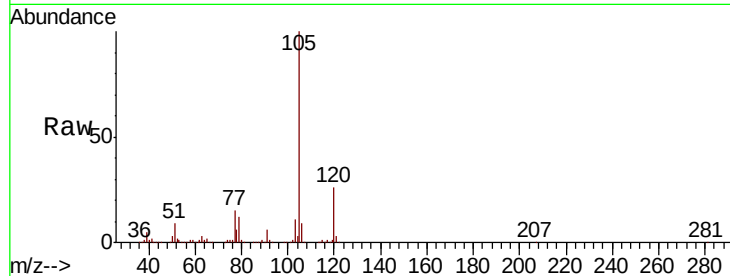
VN1204WBS01

Tot Ion:105 Resp: 1097357

Ion Ratio Lower Upper

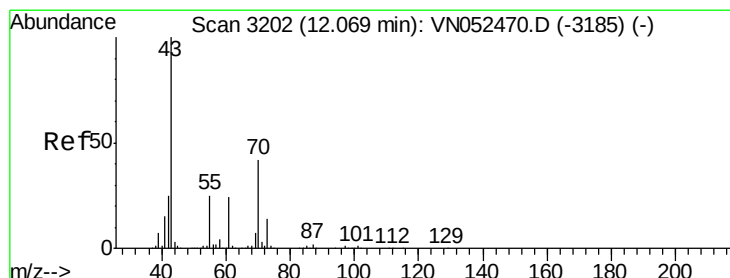
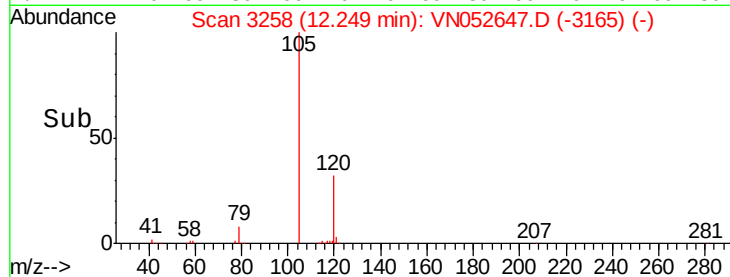
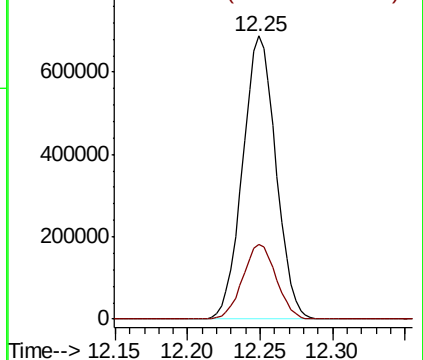
105 100

120 26.6 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: 19.265 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Tgt Ion: 43 Resp: 269250

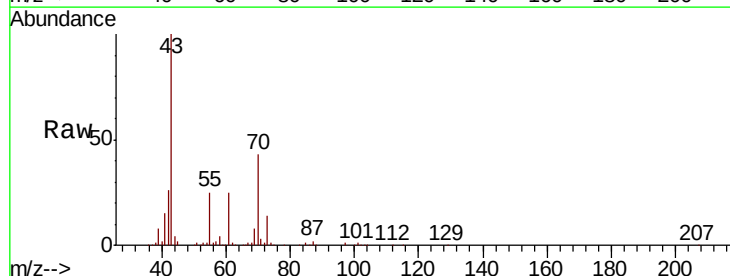
Ion Ratio Lower Upper

43 100

70 43.0 33.8 50.8

55 26.0 20.0 30.0

61 25.0 19.7 29.5

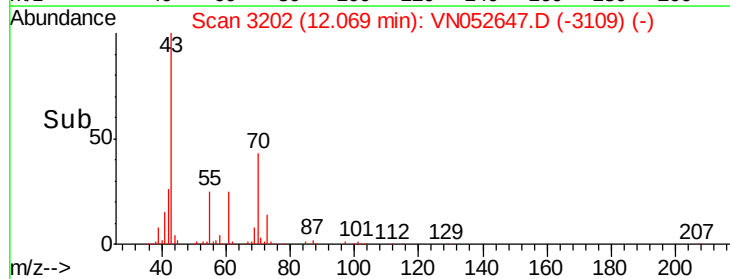
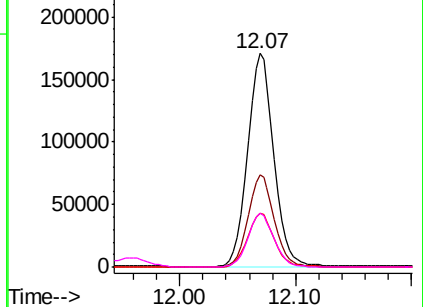


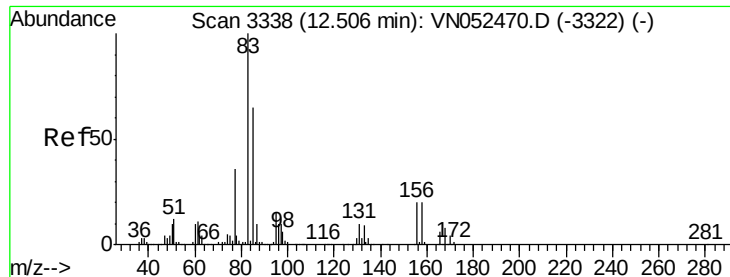
Abundance Ion 43.00 (42.70 to 43.70): V

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: 19.621 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

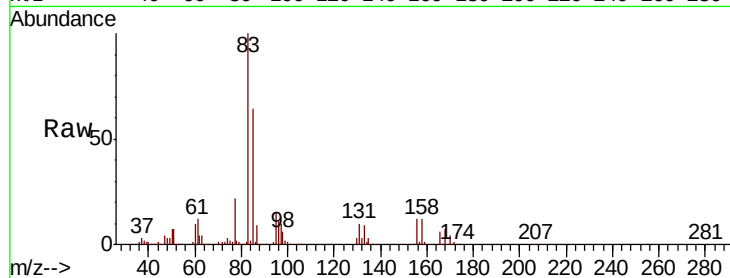
Tot Ion: 83 Resp: 246923

Ion Ratio Lower Upper

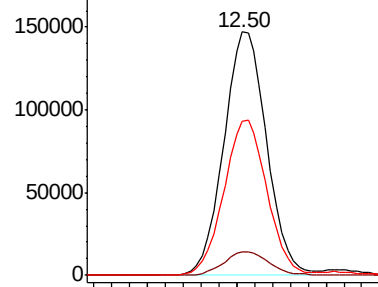
83 100

131 10.3 5.0 15.0

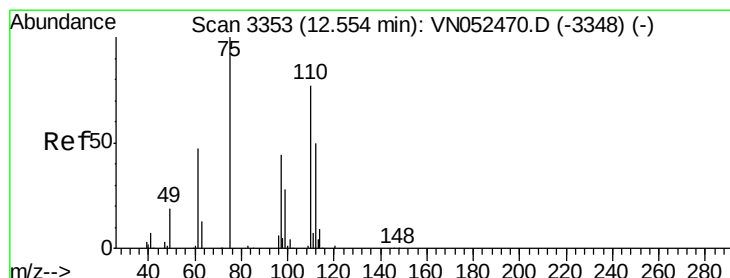
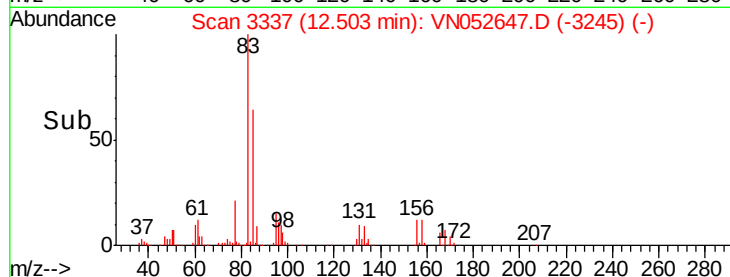
85 64.2 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



Time-->



#76

1,2,3-Trichloropropane

Concen: 27.761 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052647.D

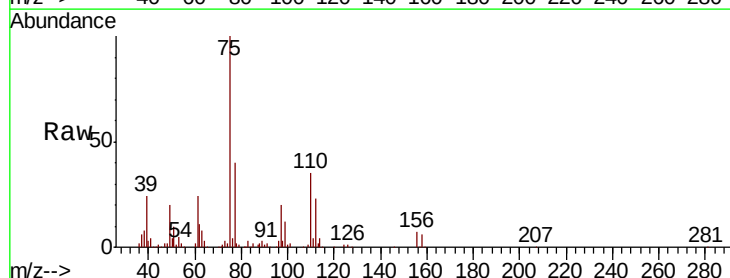
Acq: 4 Dec 2018 12:00

Tgt Ion: 75 Resp: 301856

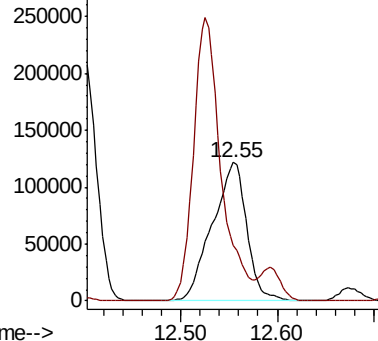
Ion Ratio Lower Upper

75 100

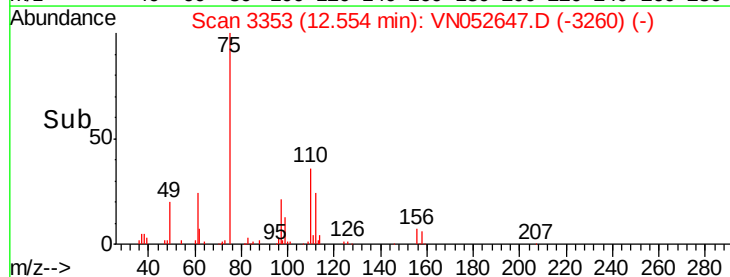
77 0.0 0.0 0.0

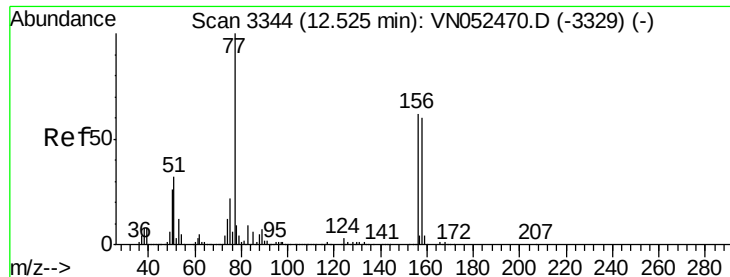


Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO



Time-->





#77

Bromobenzene

Concen: 19.583 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

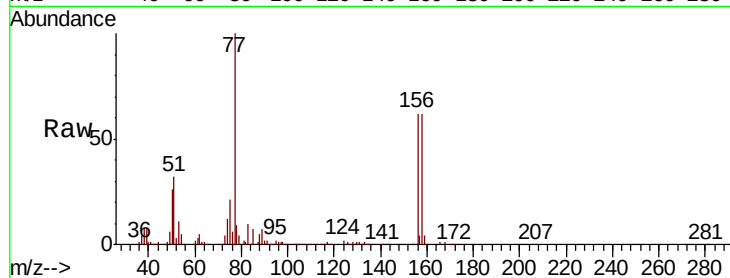
Tot Ion:156 Resp: 267774

Ion Ratio Lower Upper

156 100

77 183.4 93.5 280.4

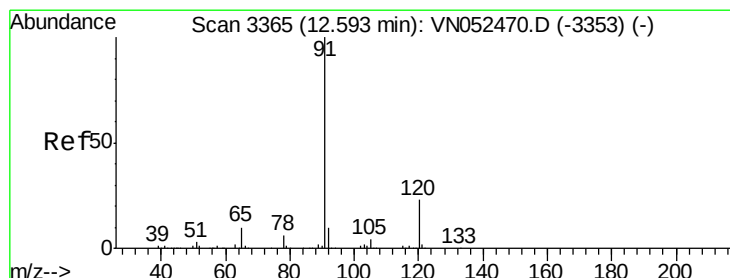
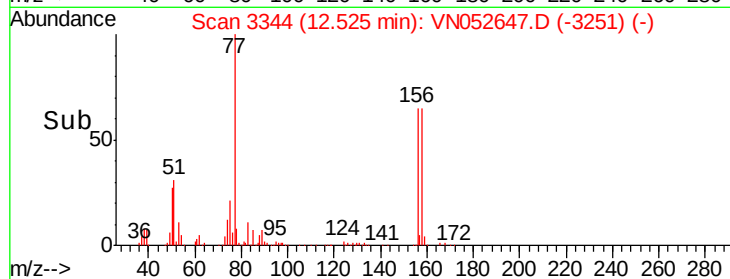
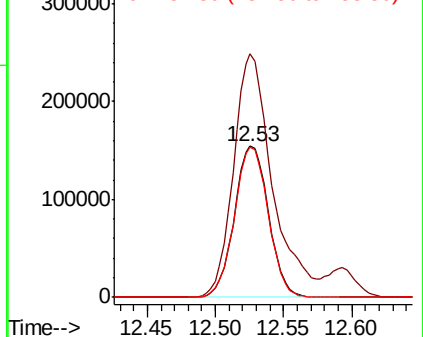
158 98.6 48.3 144.9



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: 19.897 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052647.D

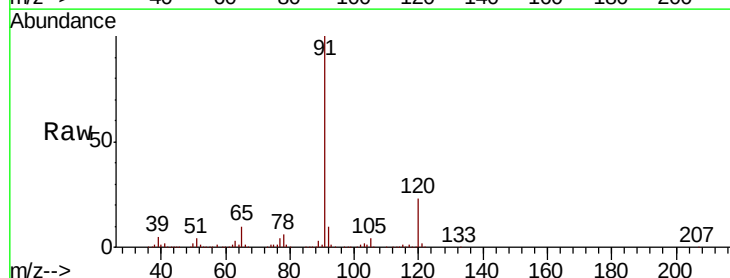
Acq: 4 Dec 2018 12:00

Tgt Ion: 91 Resp: 1250490

Ion Ratio Lower Upper

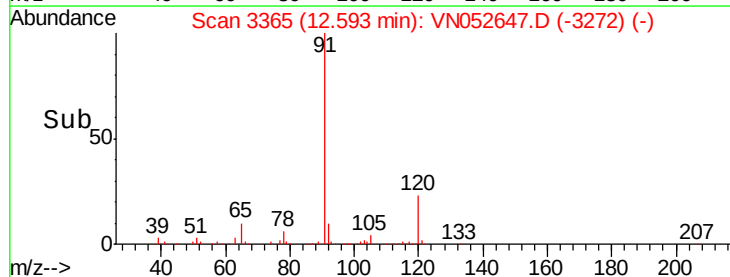
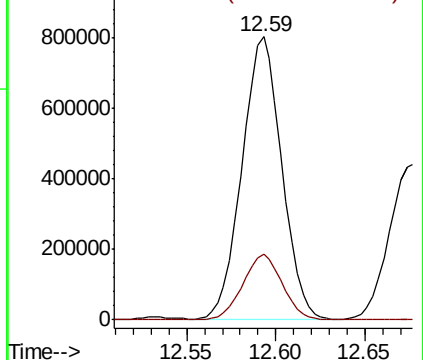
91 100

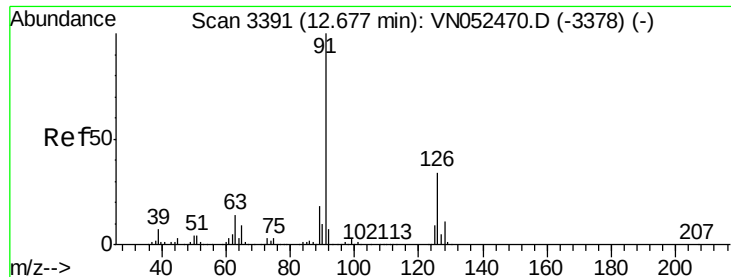
120 23.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.627 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

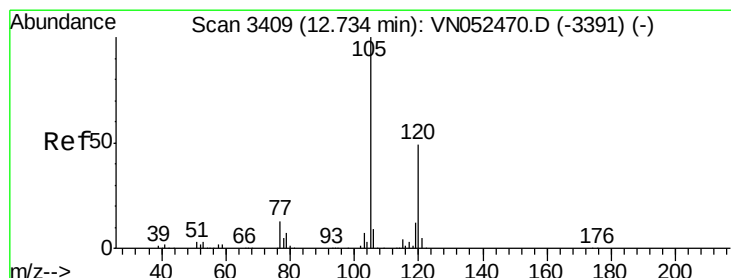
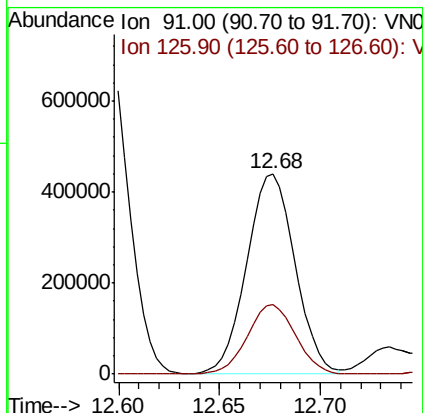
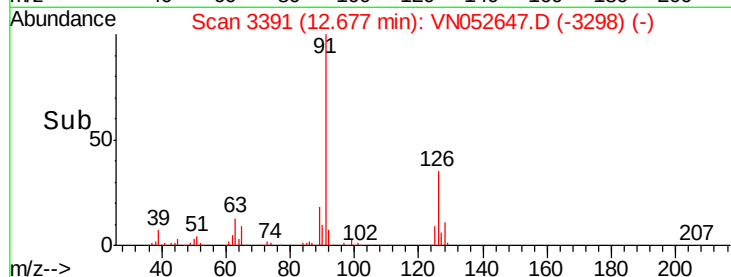
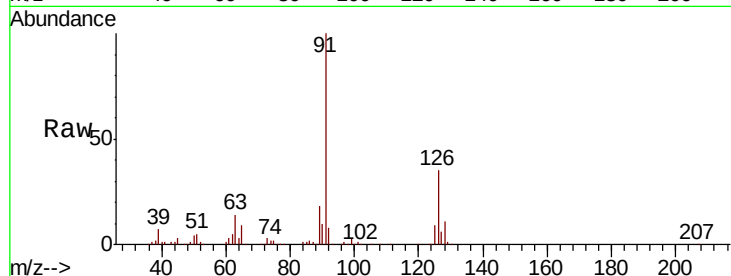
VN1204WBS01

Tot Ion: 91 Resp: 734558

Ion Ratio Lower Upper

91 100

126 34.7 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 20.306 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052647.D

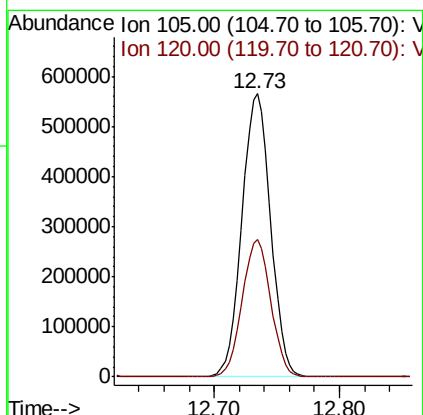
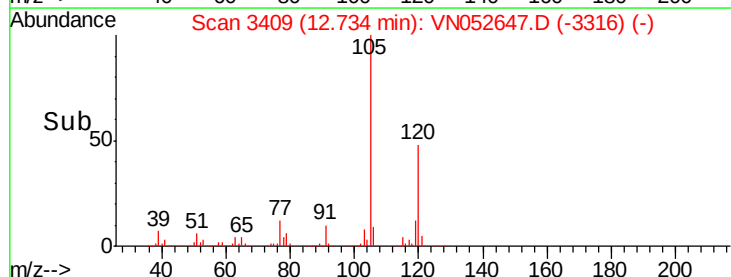
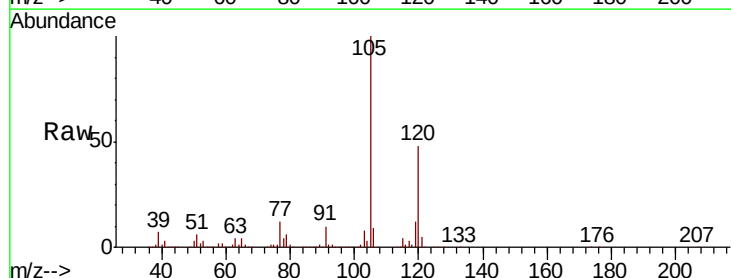
Acq: 4 Dec 2018 12:00

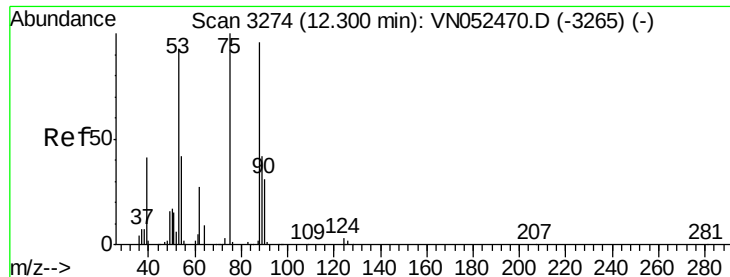
Tgt Ion: 105 Resp: 895929

Ion Ratio Lower Upper

105 100

120 48.6 24.3 73.0

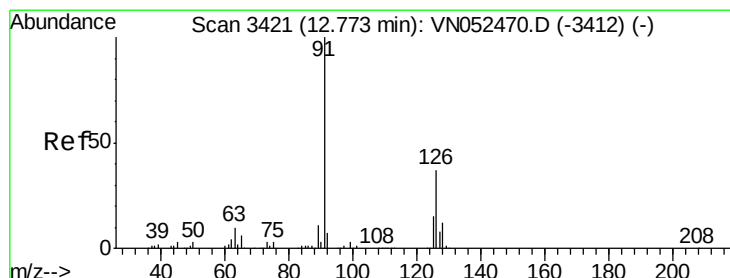
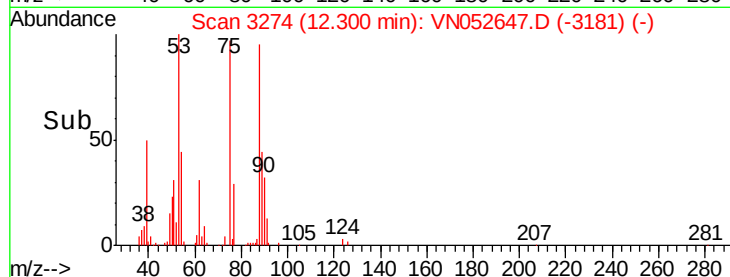
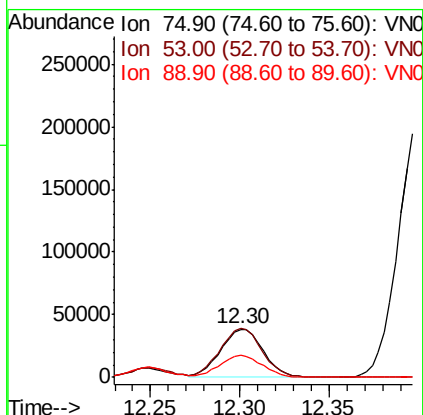
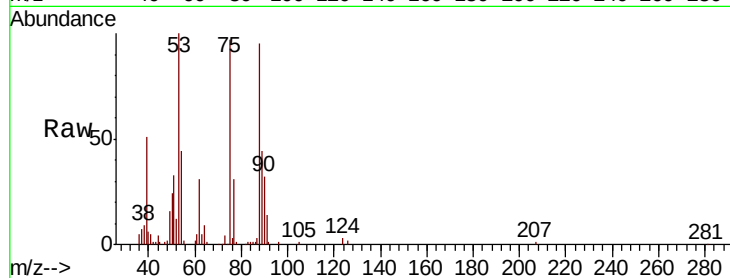




#81
trans-1,4-Dichloro-2-butene
Concen: 19.403 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

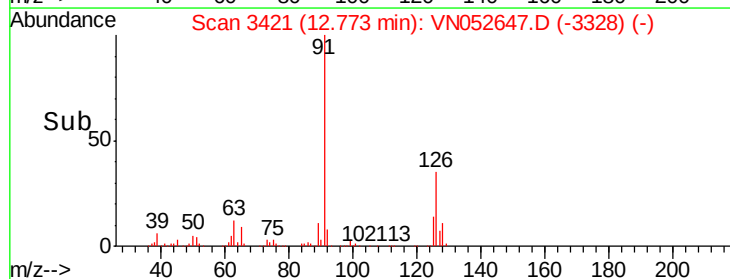
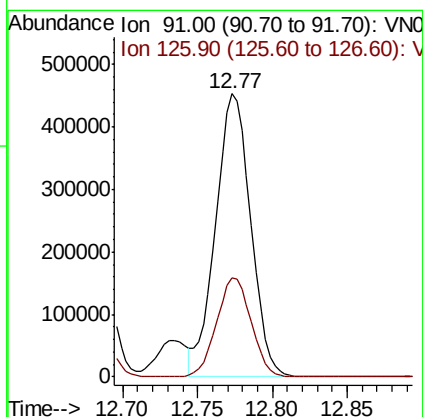
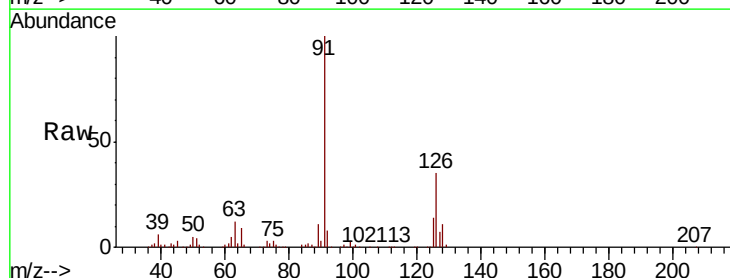
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

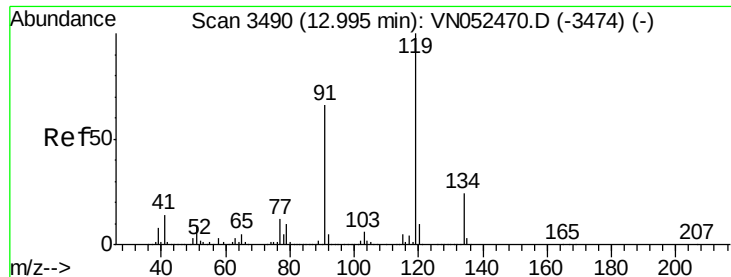
Tot Ion: 75 Resp: 63176
Ion Ratio Lower Upper
75 100
53 102.0 77.4 116.0
89 45.2 35.4 53.2



#82
4-Chlorotoluene
Concen: 19.584 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion: 91 Resp: 738718
Ion Ratio Lower Upper
91 100
126 34.5 16.9 50.6

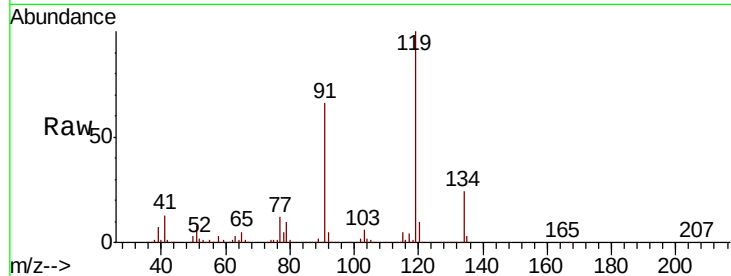




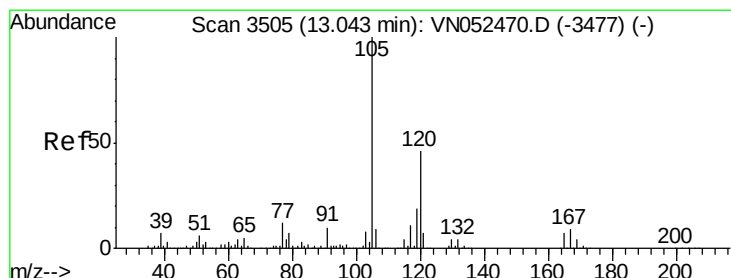
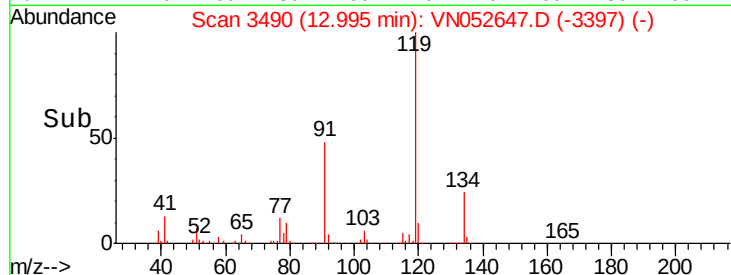
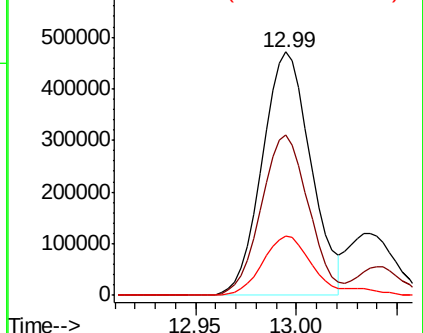
#83
 tert-Butylbenzene
 Concen: 20.108 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion:119 Resp: 790950
 Ion Ratio Lower Upper
 119 100
 91 64.5 32.3 96.9
 134 26.1 13.0 38.9

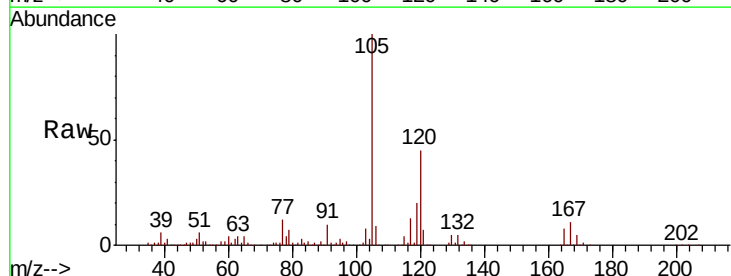


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

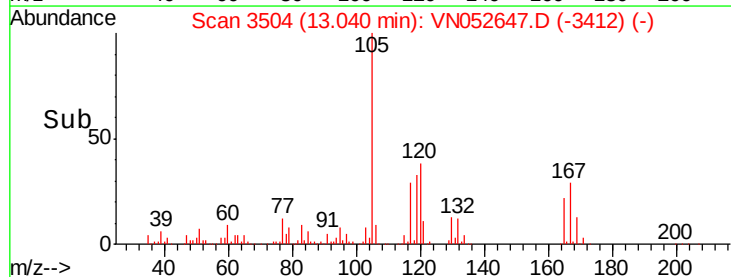
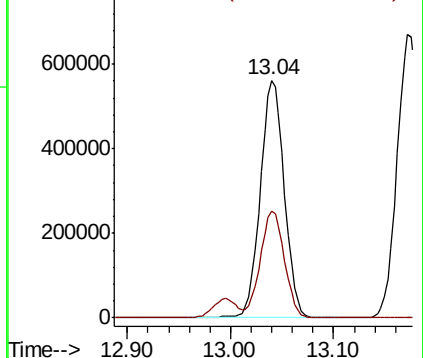


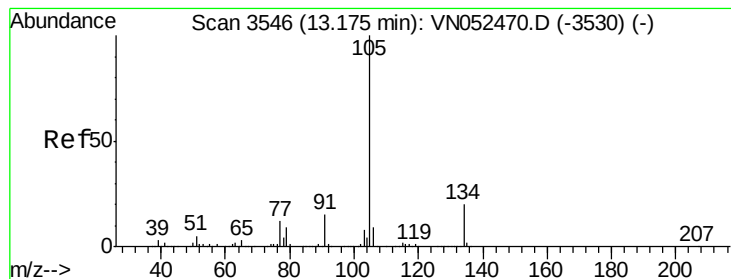
#84
 1,2,4-Trimethylbenzene
 Concen: 20.393 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Tgt Ion:105 Resp: 901737
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.161 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

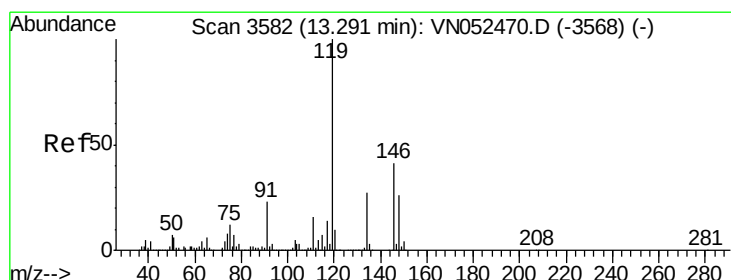
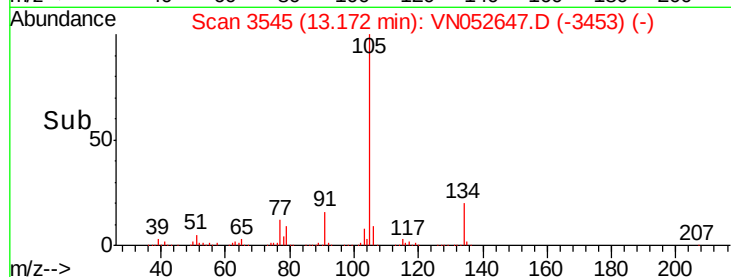
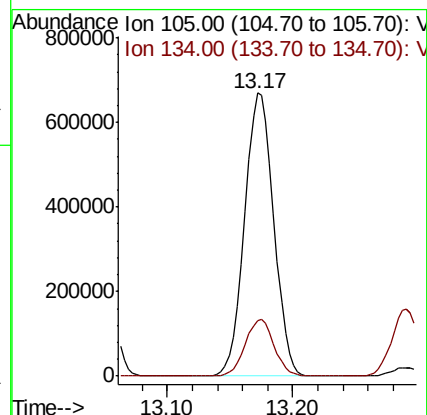
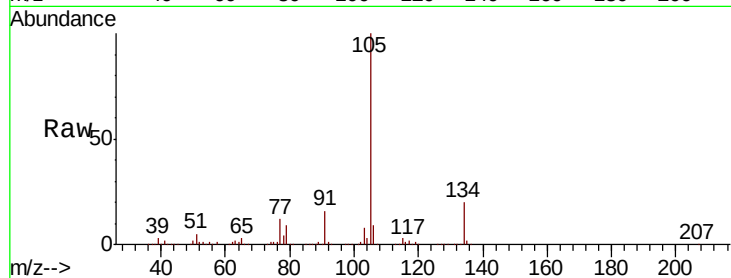
VN1204WBS01

Tot Ion:105 Resp: 1080143

Ion Ratio Lower Upper

105 100

134 20.0 9.9 29.7



#86

p-Isopropyltoluene

Concen: 20.207 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

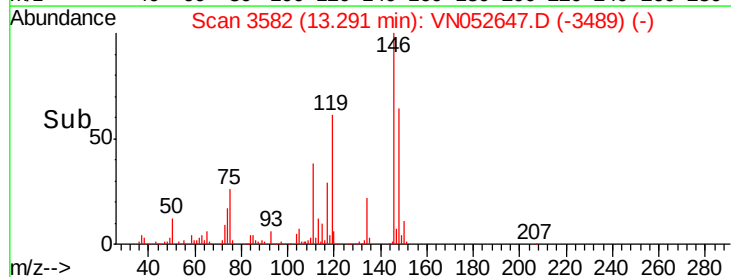
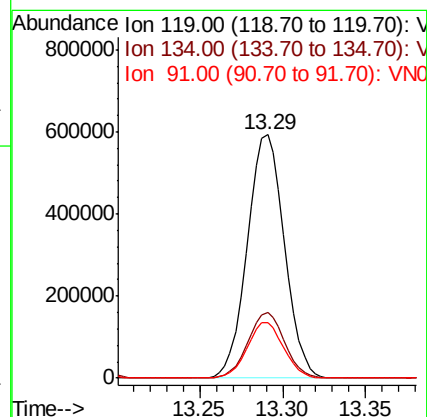
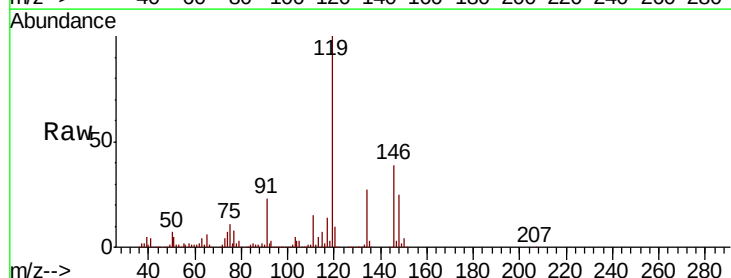
Tgt Ion:119 Resp: 922056

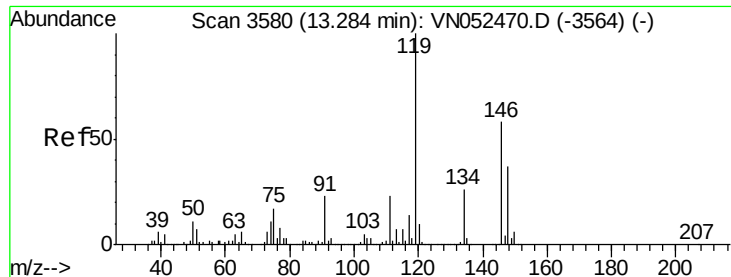
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.4 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 19.755 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

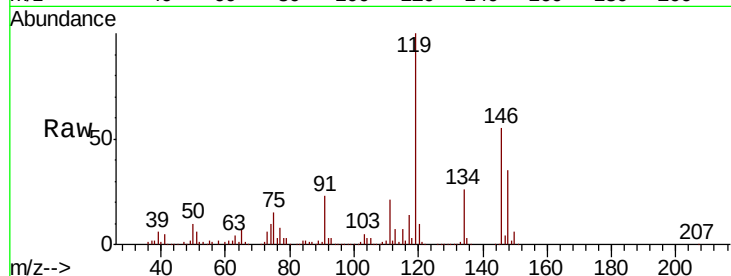
Tot Ion:146 Resp: 472516

Ion Ratio Lower Upper

146 100

111 38.1 19.4 58.4

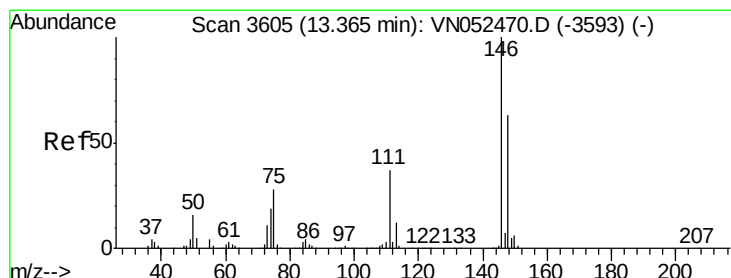
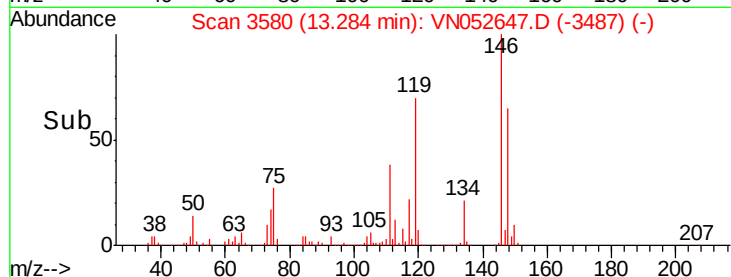
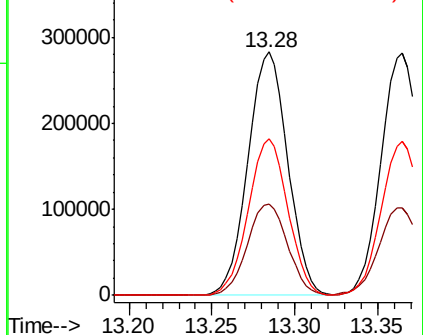
148 63.9 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.925 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

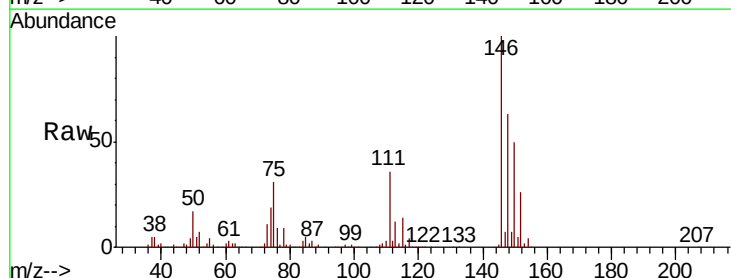
Tgt Ion:146 Resp: 469444

Ion Ratio Lower Upper

146 100

111 38.0 18.6 56.0

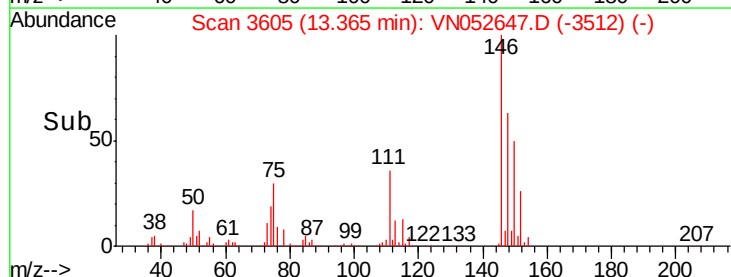
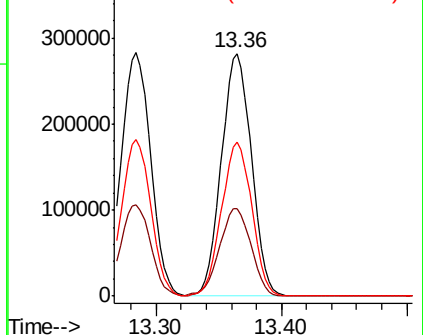
148 63.6 31.9 95.9

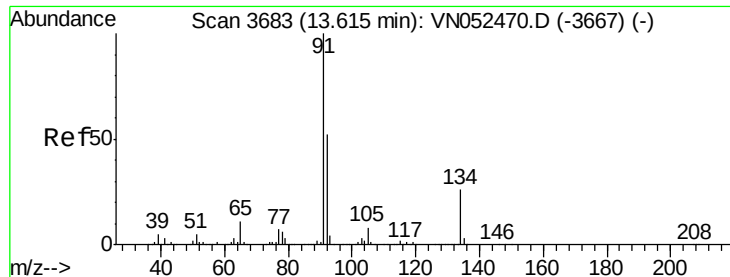


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.230 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

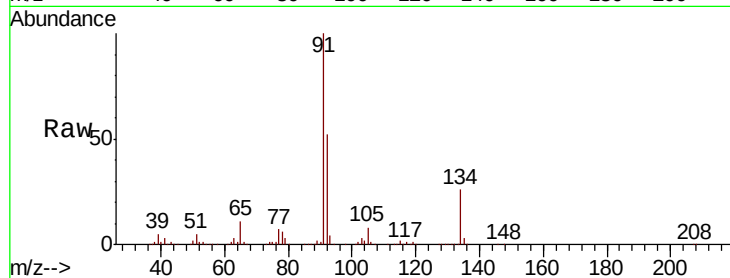
Tot Ion: 91 Resp: 767697

Ion Ratio Lower Upper

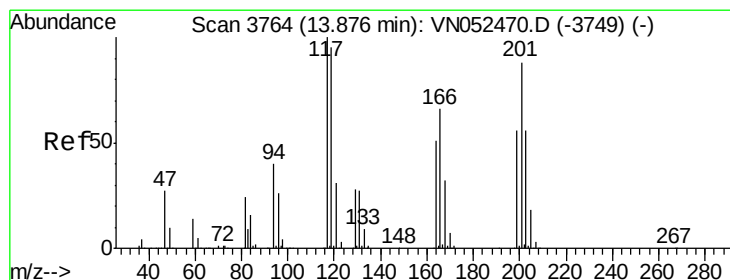
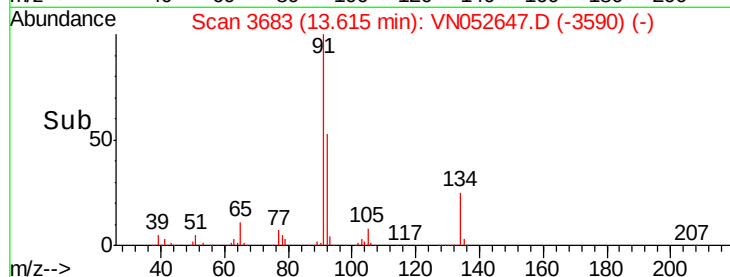
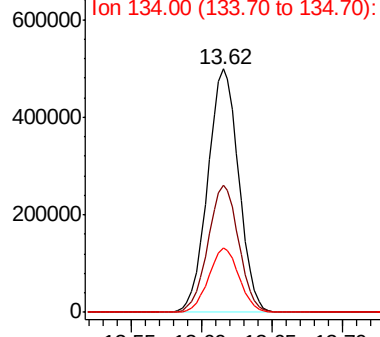
91 100

92 51.9 26.1 78.3

134 26.0 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN052647.D (-3667) (-)



#90

Hexachloroethane

Concen: 19.563 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052647.D

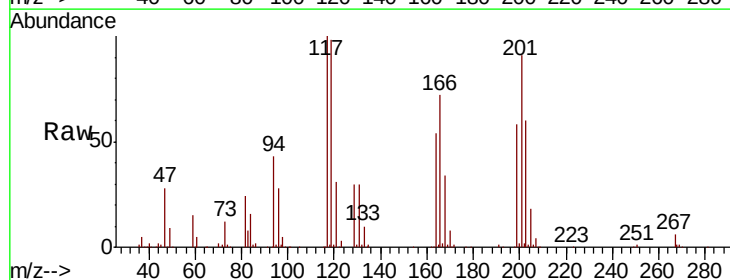
Acq: 4 Dec 2018 12:00

Tgt Ion: 117 Resp: 151147

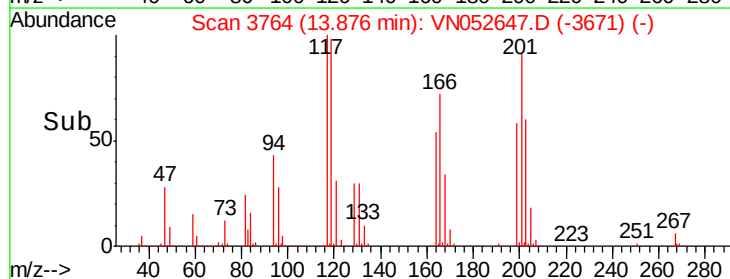
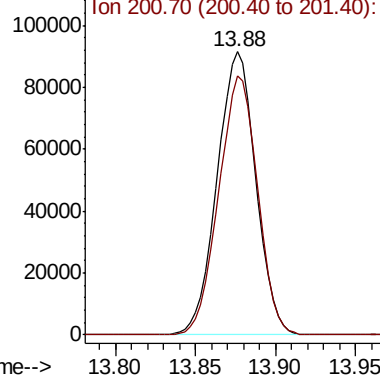
Ion Ratio Lower Upper

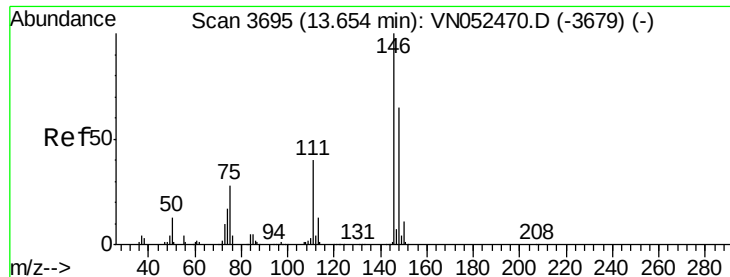
117 100

201 91.9 43.6 130.9



Abundance Ion 116.80 (116.50 to 117.50): VN052647.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 19.939 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampled :

VN1204WBS01

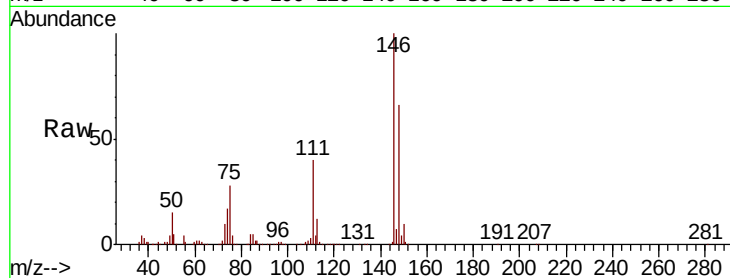
Tot Ion:146 Resp: 455654

Ion Ratio Lower Upper

146 100

111 39.8 20.0 60.0

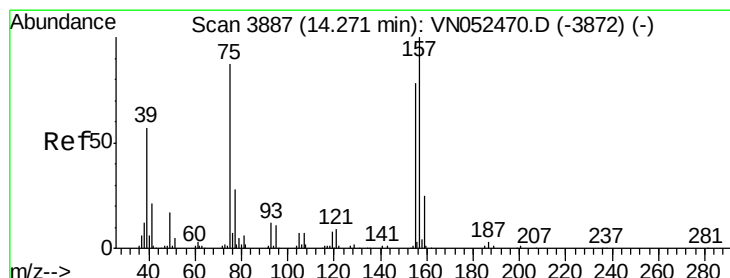
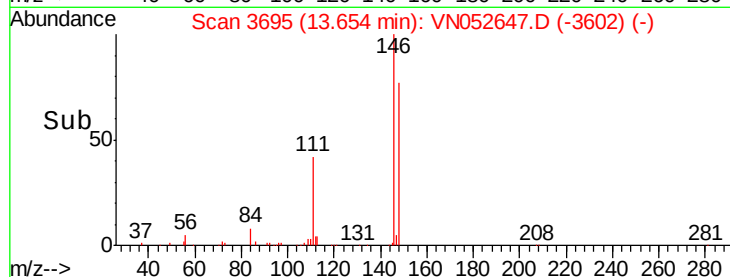
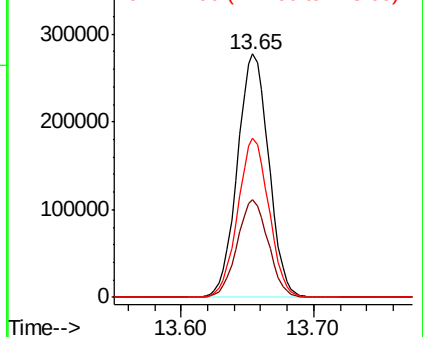
148 64.7 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.535 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

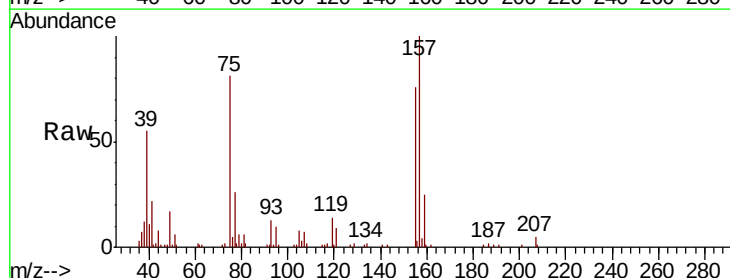
Tgt Ion: 75 Resp: 35160

Ion Ratio Lower Upper

75 100

155 93.6 45.3 135.9

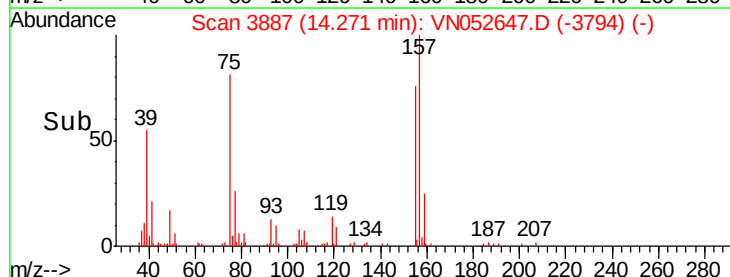
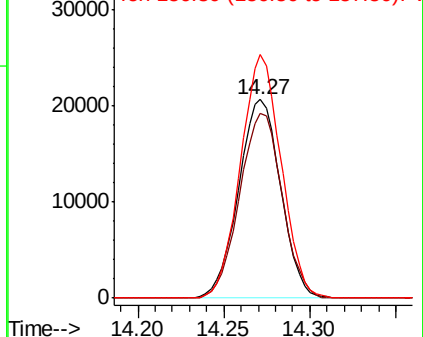
157 118.0 58.1 174.2

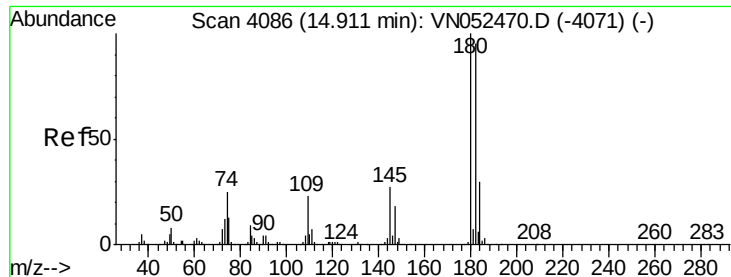


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

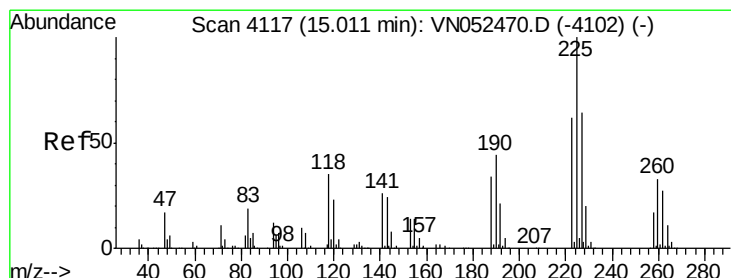
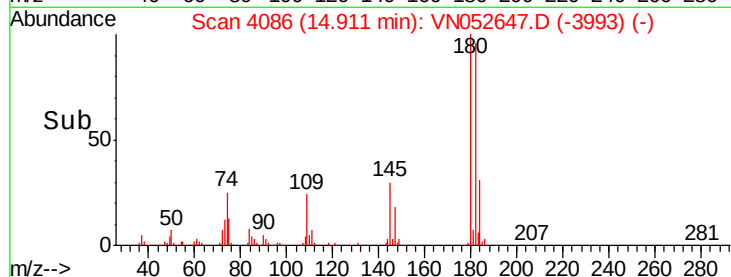
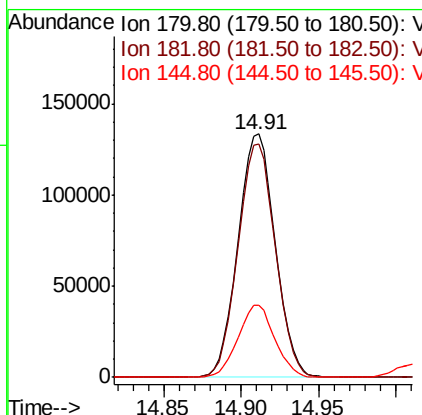
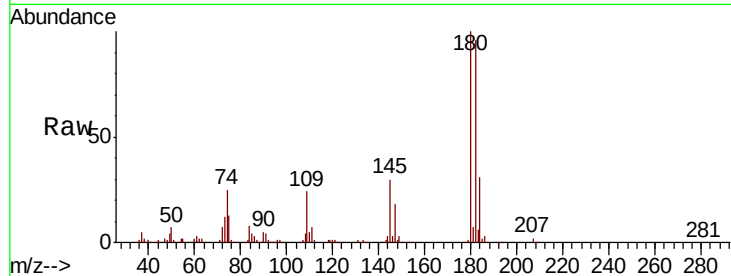




#93
 1,2,4-Trichlorobenzene
 Concen: 19.650 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

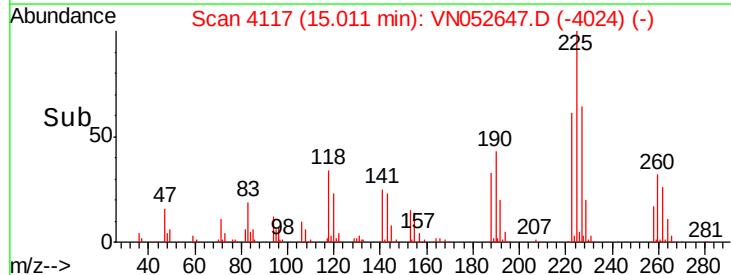
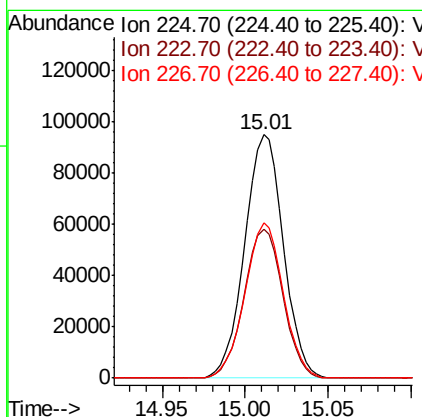
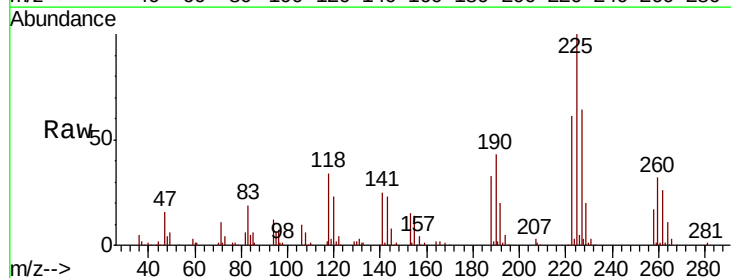
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

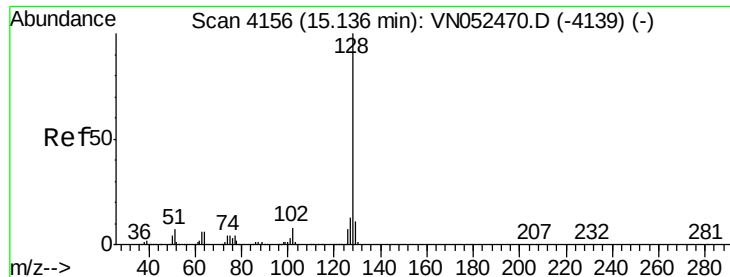
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.4
145	29.4	14.1	42.3



#94
 Hexachlorobutadiene
 Concen: 20.982 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.4	94.2
227	63.3	32.5	97.4

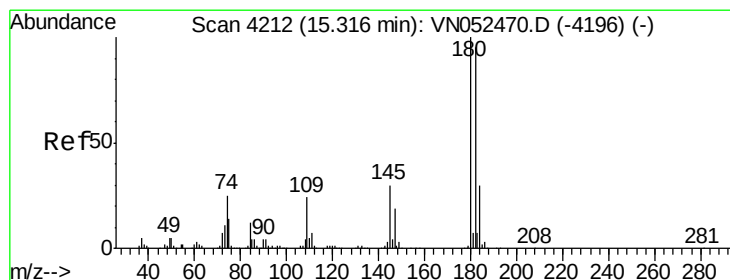
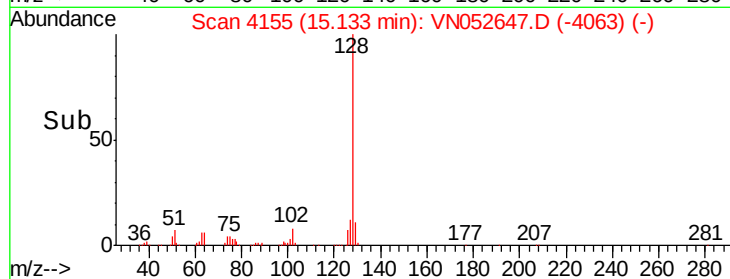
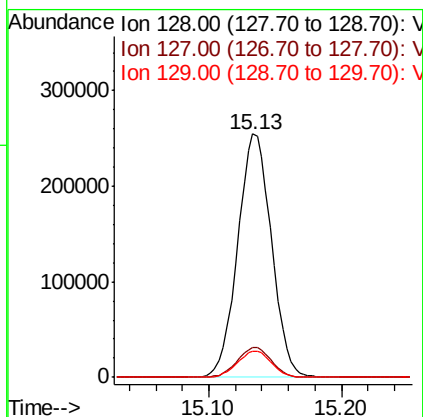
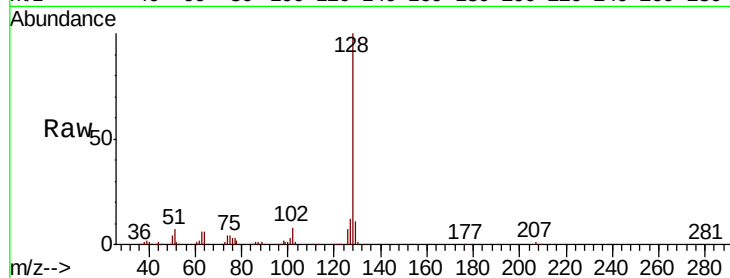




#95
Naphthalene
Concen: 19.209 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion:128 Resp: 449788
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.2
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.217 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion:180 Resp: 212926
Ion Ratio Lower Upper
180 100
182 96.0 47.8 143.3
145 29.7 15.2 45.5

