

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112718\
 Data File : VN052477.D
 Acq On : 27 Nov 2018 14:33
 Operator : MD\SY
 Sample : VN1127MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS01

Quant Time: Nov 28 06:09:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1054593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1644506	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1450648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	643257	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	230340	20.06	ug/l	0.00
Spiked Amount						
			Recovery	=	40.12%	
35) Dibromofluoromethane	7.59	113	209492	20.66	ug/l	0.00
Spiked Amount						
			Recovery	=	41.32%	
50) Toluene-d8	10.09	98	822059	20.83	ug/l	0.00
Spiked Amount						
			Recovery	=	41.66%	
62) 4-Bromofluorobenzene	12.40	95	275657	20.79	ug/l	0.00
Spiked Amount						
			Recovery	=	41.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	185427	18.778	ug/l	97
3) Chloromethane	2.06	50	250305	19.203	ug/l	98
4) Vinyl Chloride	2.19	62	253364	18.923	ug/l	98
5) Bromomethane	2.58	94	162824	19.490	ug/l	98
6) Chloroethane	2.71	64	152916	18.854	ug/l	100
7) Trichlorofluoromethane	3.02	101	316703	19.256	ug/l	98
8) Diethyl Ether	3.41	74	117553	19.354	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	200977	19.583	ug/l	99
10) Methyl Iodide	3.96	142	251975	18.434	ug/l	99
11) Tert butyl alcohol	4.78	59	48564	84.481	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	193572	19.595	ug/l	99
13) Acrolein	3.61	56	80754	102.838	ug/l	98
14) Allyl chloride	4.33	41	335959	19.732	ug/l	99
15) Acrylonitrile	4.99	53	328821	90.363	ug/l	99
16) Acetone	3.82	43	260619	86.051	ug/l	99
17) Carbon Disulfide	4.06	76	568698	18.293	ug/l	100
18) Methyl Acetate	4.33	43	158969	18.298	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	508564	19.349	ug/l	100
20) Methylene Chloride	4.55	84	221990	18.730	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	208738	19.784	ug/l	96
22) Diisopropyl ether	5.95	45	703495	19.671	ug/l	96
23) Vinyl Acetate	5.90	43	2111309	94.781	ug/l	99
24) 1,1-Dichloroethane	5.85	63	404647	19.816	ug/l	98
25) 2-Butanone	6.84	43	375155	87.392	ug/l	99
26) 2,2-Dichloropropane	6.82	77	275003	19.457	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	241498	19.650	ug/l	98
28) Bromochloromethane	7.19	49	185581	19.898	ug/l	97
29) Tetrahydrofuran	7.21	42	238897	86.281	ug/l	99
30) Chloroform	7.37	83	390941	19.189	ug/l	100
31) Cyclohexane	7.65	56	392009	19.612	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	315504	19.546	ug/l	99
36) 1,1-Dichloropropene	7.79	75	303583	19.549	ug/l	99
37) Ethyl Acetate	6.93	43	162642	17.161	ug/l	99
38) Carbon Tetrachloride	7.78	117	269988	19.205	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	377990	20.025	ug/l	100
40) Benzene	8.04	78	912696	19.721	ug/l	100
41) Methacrylonitrile	7.17	41	95680	18.466	ug/l	96
42) 1,2-Dichloroethane	8.12	62	273149	19.492	ug/l	100
43) Isopropyl Acetate	8.16	43	291299	18.162	ug/l	100
44) Trichloroethene	8.84	130	232577	19.619	ug/l	100
45) 1,2-Dichloropropane	9.12	63	246312	20.018	ug/l	98
46) Dibromomethane	9.21	93	130904	19.218	ug/l	99
47) Bromodichloromethane	9.40	83	287120	19.388	ug/l	99
48) Methyl methacrylate	9.20	41	151753	18.145	ug/l	99
49) 1,4-Dioxane	9.20	88	31011	357.290	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	817116	90.801	ug/l	100
52) Toluene	10.16	92	555202	20.191	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	269725	18.932	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	335097	19.627	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	186962	19.330	ug/l	97
56) Ethyl methacrylate	10.43	69	229559	18.864	ug/l	99
57) 1,3-Dichloropropane	10.71	76	329551	19.296	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	646287	92.083	ug/l	99
59) 2-Hexanone	10.75	43	553044	91.569	ug/l	99
60) Dibromochloromethane	10.90	129	198791	18.923	ug/l	99
61) 1,2-Dibromoethane	11.01	107	183523	19.104	ug/l	99
64) Tetrachloroethene	10.63	164	224052	19.921	ug/l	98
65) Chlorobenzene	11.44	112	602789	20.152	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	204328	19.646	ug/l	99
67) Ethyl Benzene	11.51	91	1060139	20.239	ug/l	100
68) m/p-Xylenes	11.62	106	789520	40.487	ug/l	99
69) o-Xylene	11.95	106	393653	20.788	ug/l	99
70) Styrene	11.97	104	622053	20.624	ug/l	100
71) Bromoform	12.13	173	128164	18.611	ug/l #	96
73) Isopropylbenzene	12.25	105	1037875	20.565	ug/l	99
74) N-amyl acetate	12.07	43	242892	19.050	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	214000	18.641	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	265102	26.726	ug/l #	100
77) Bromobenzene	12.53	156	355320	28.484	ug/l	64
78) n-propylbenzene	12.59	91	1187415	20.711	ug/l	99
79) 2-Chlorotoluene	12.68	91	695018	20.357	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	873545	21.703	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	51189	17.234	ug/l	96
82) 4-Chlorotoluene	12.77	91	693114	20.143	ug/l	98
83) tert-Butylbenzene	12.99	119	740243	20.629	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	849254	21.054	ug/l	100
85) sec-Butylbenzene	13.17	105	1014147	20.750	ug/l	100
86) p-Isopropyltoluene	13.29	119	877480	21.079	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	433868	19.884	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	425820	19.812	ug/l	99
89) n-Butylbenzene	13.62	91	741213	21.410	ug/l	100
90) Hexachloroethane	13.88	117	136622	19.383	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	419438	20.120	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29912	18.218	ug/l	94

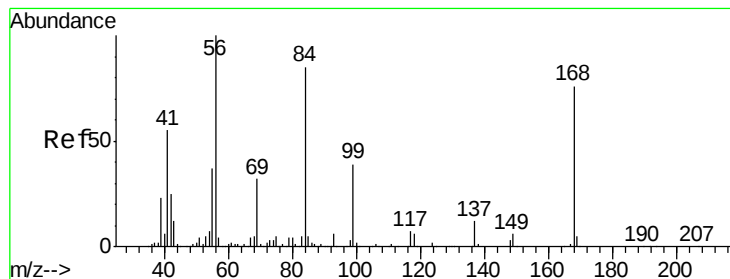
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	216984	20.755	ug/l	99
94) Hexachlorobutadiene	15.01	225	138212	20.609	ug/l	99
95) Naphthalene	15.14	128	451382	20.789	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	202848	20.992	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

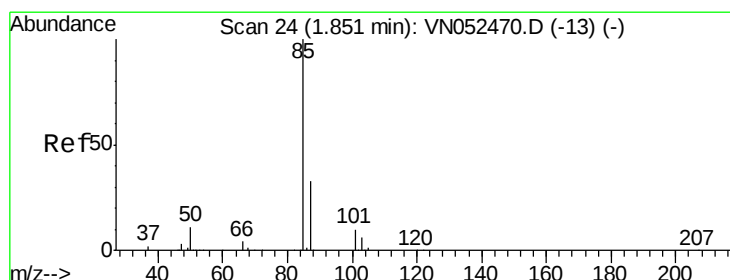
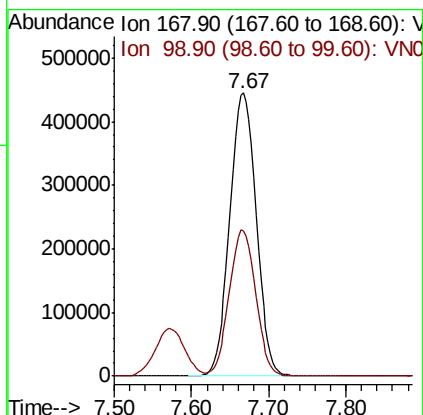
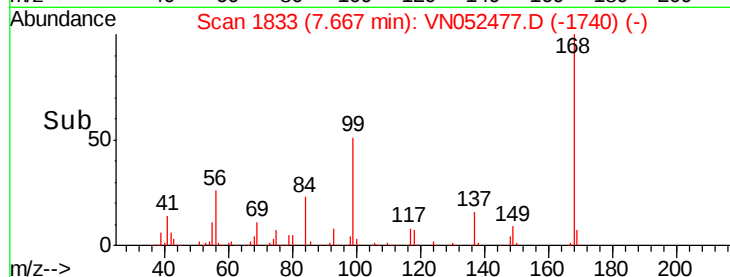
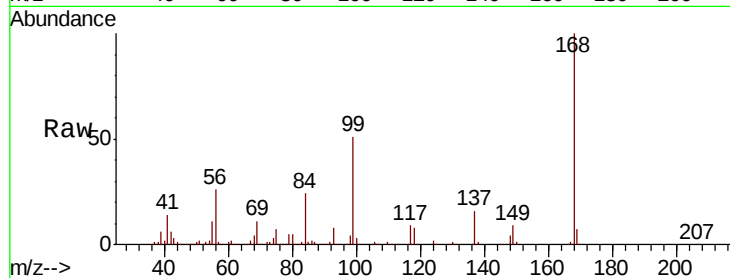
VN1127MBS01

Tot Ion:168 Resp: 1054593

Ion Ratio Lower Upper

168 100

99 51.4 41.7 62.5



#2

Dichlorodifluoromethane

Concen: 18.778 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052477.D

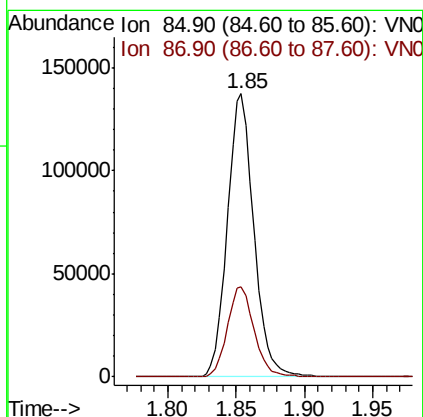
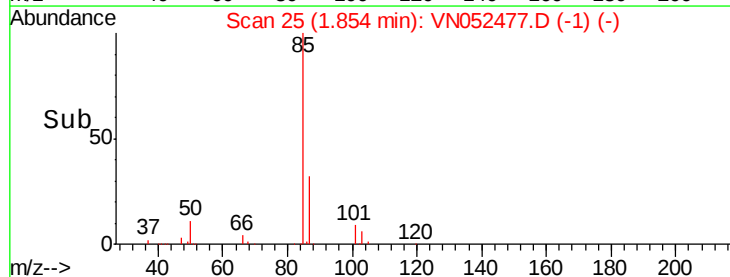
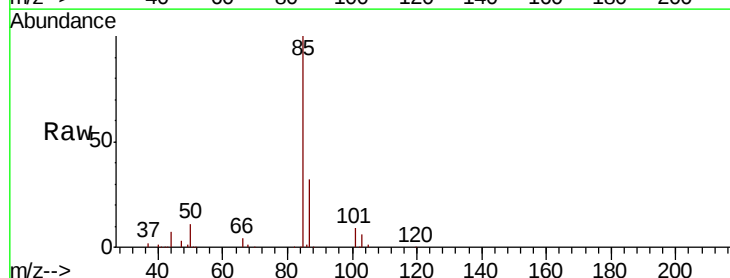
Acq: 27 Nov 2018 14:33

Tgt Ion: 85 Resp: 185427

Ion Ratio Lower Upper

85 100

87 31.9 16.7 50.1





#3

Chloromethane

Concen: 19.203 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

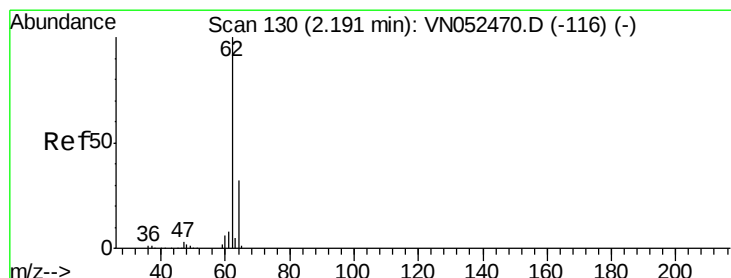
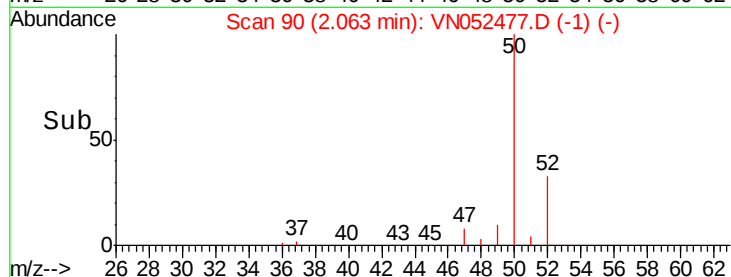
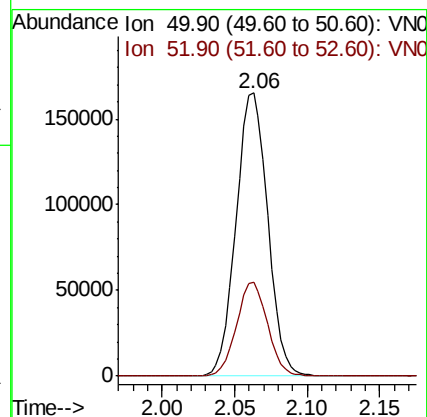
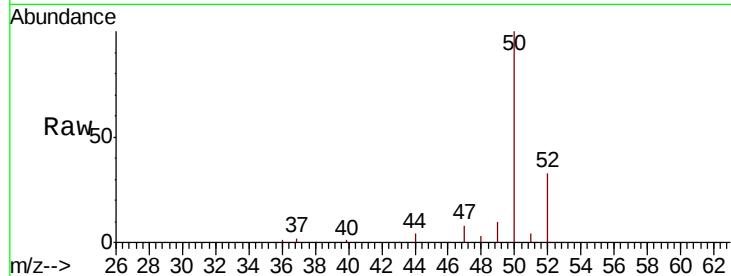
VN1127MBS01

Tot Ion: 50 Resp: 250305

Ion Ratio Lower Upper

50 100

52 33.2 25.9 38.9



#4

Vinyl Chloride

Concen: 18.923 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052477.D

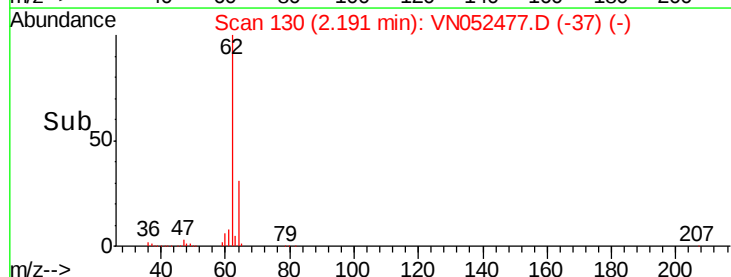
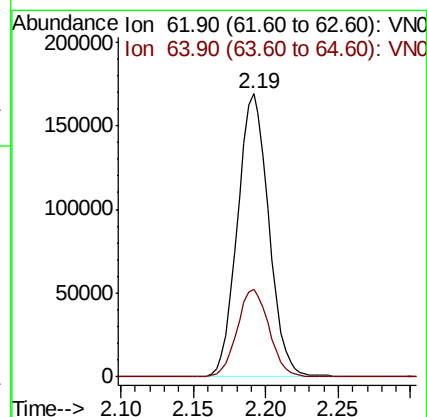
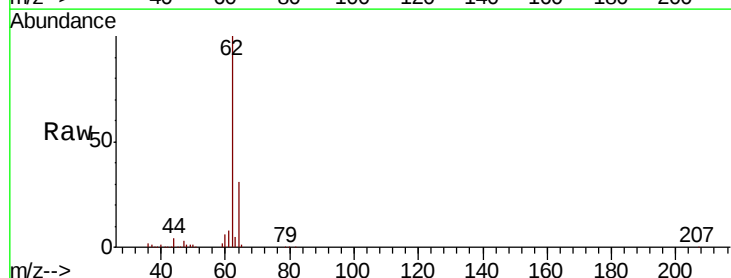
Acq: 27 Nov 2018 14:33

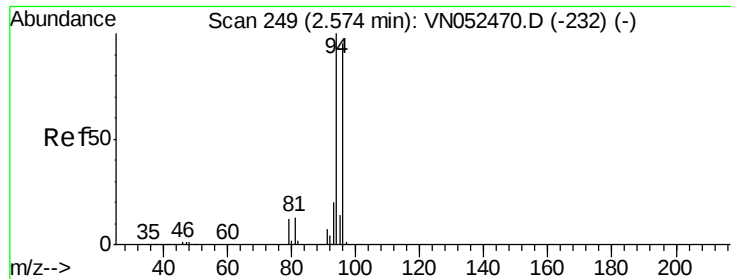
Tgt Ion: 62 Resp: 253364

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.2





#5

Bromomethane

Concen: 19.490 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

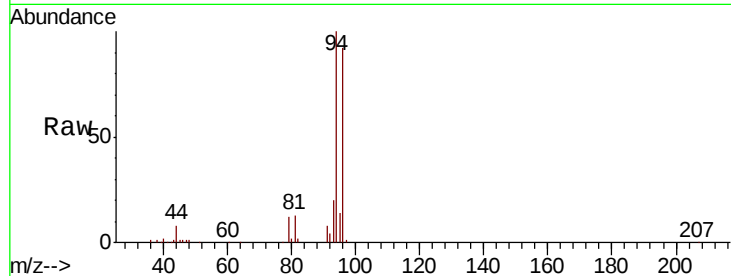
VN1127MBS01

Tot Ion: 94 Resp: 162824

Ion Ratio Lower Upper

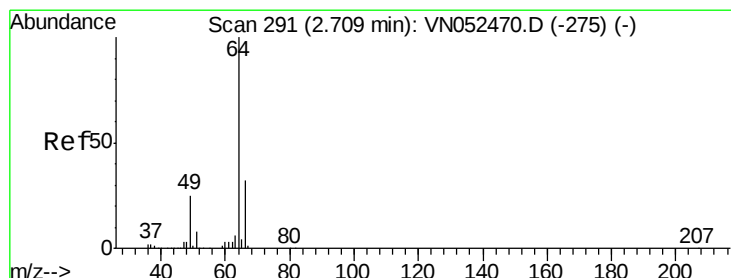
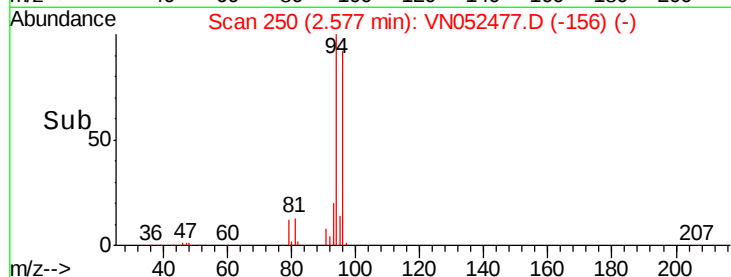
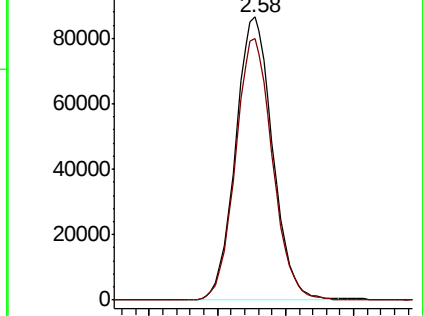
94 100

96 92.4 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.854 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052477.D

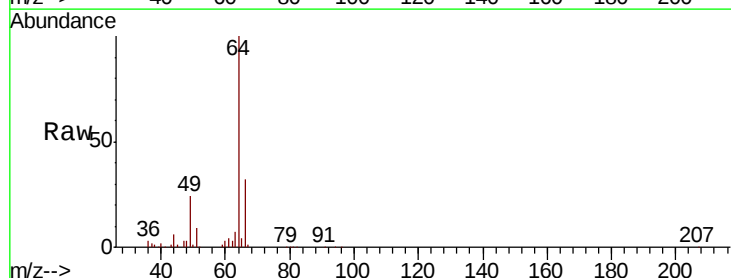
Acq: 27 Nov 2018 14:33

Tgt Ion: 64 Resp: 152916

Ion Ratio Lower Upper

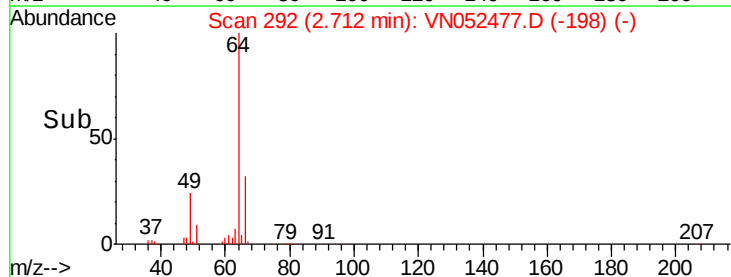
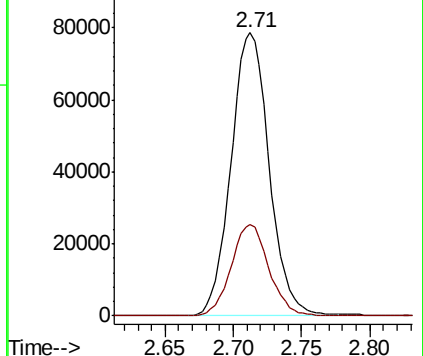
64 100

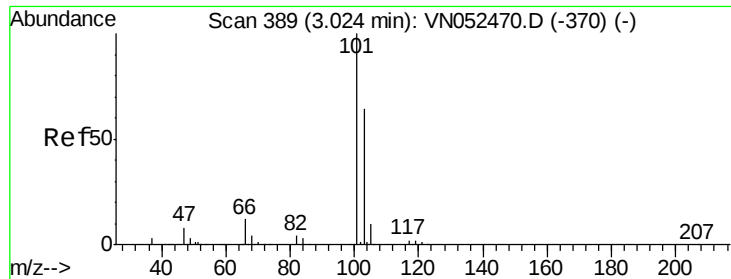
66 32.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



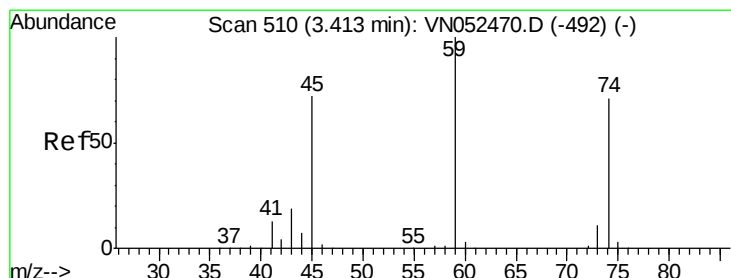
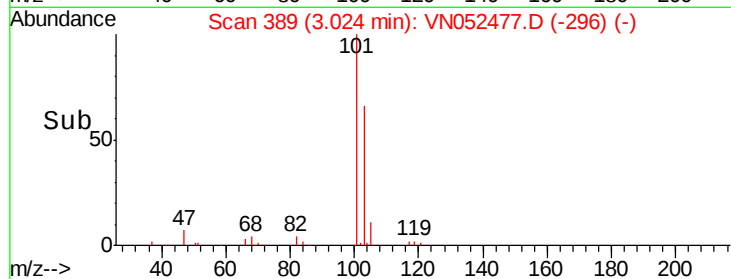
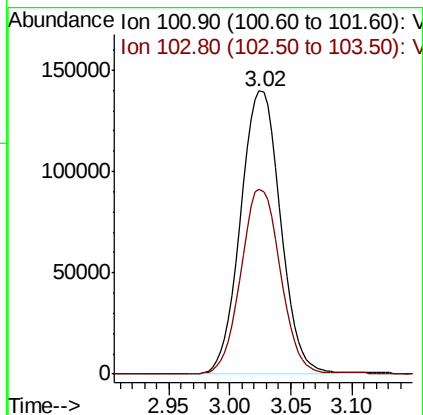
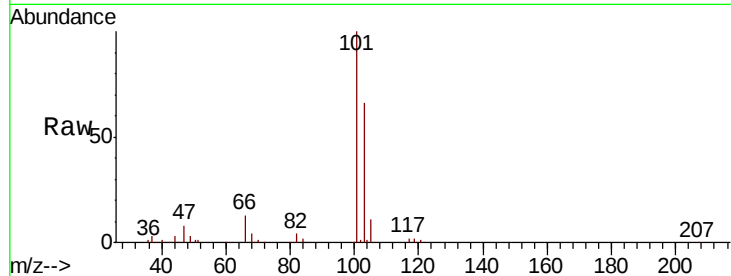


#7

Trichlorofluoromethane
 Concen: 19.256 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

Instrument :
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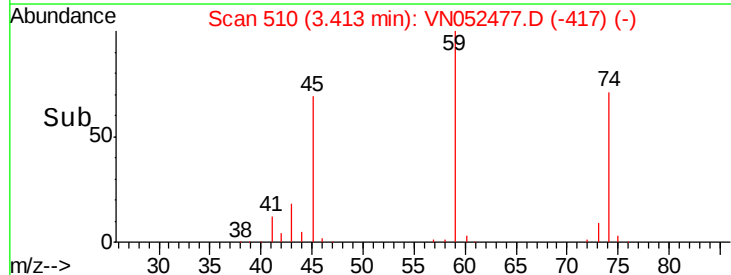
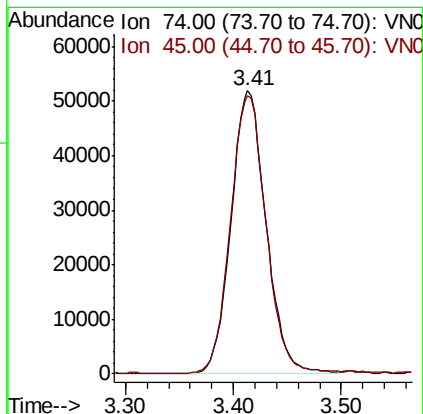
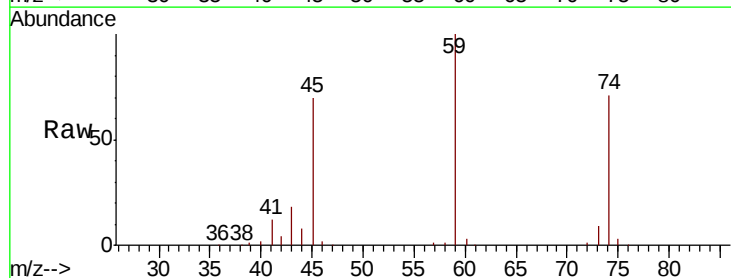
Tot Ion:101 Resp: 316703
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.4 77.2



#8

Diethyl Ether
 Concen: 19.354 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

Tgt Ion: 74 Resp: 117553
 Ion Ratio Lower Upper
 74 100
 45 100.3 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.583 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS01

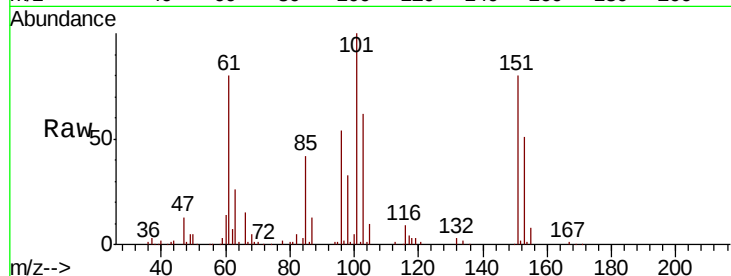
Tot Ion:101 Resp: 200977

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.4

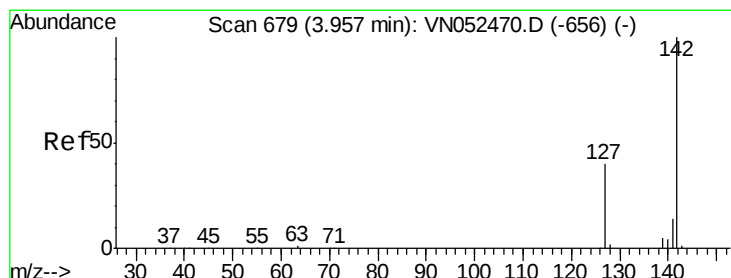
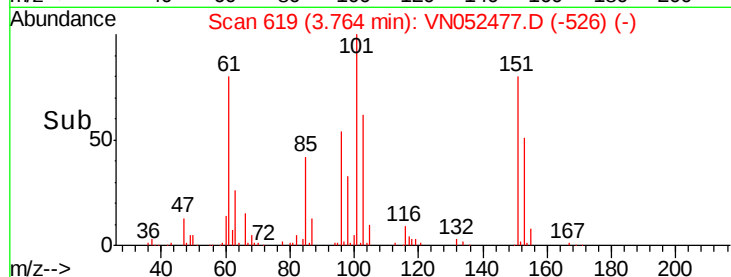
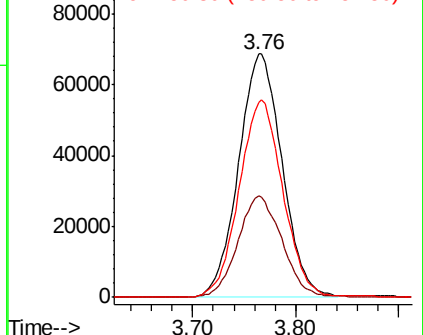
151 81.4 64.6 96.8



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: 18.434 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

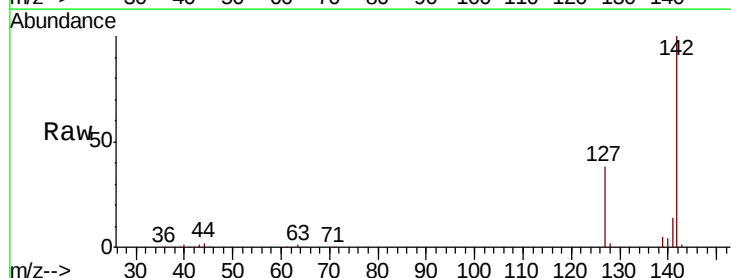
Tgt Ion:142 Resp: 251975

Ion Ratio Lower Upper

142 100

127 38.9 31.8 47.6

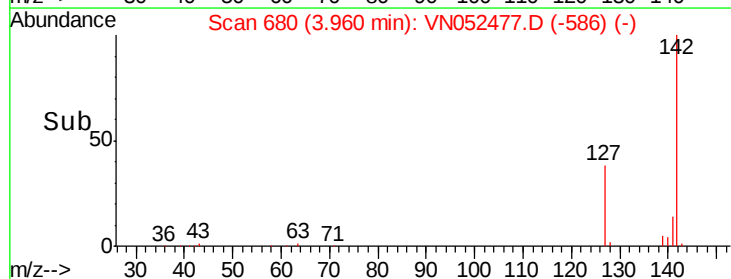
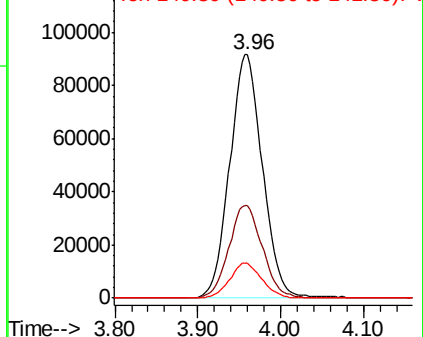
141 14.0 11.4 17.0

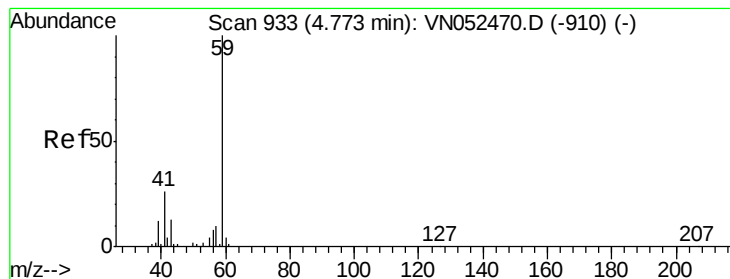


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 84.481 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.01 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampled :

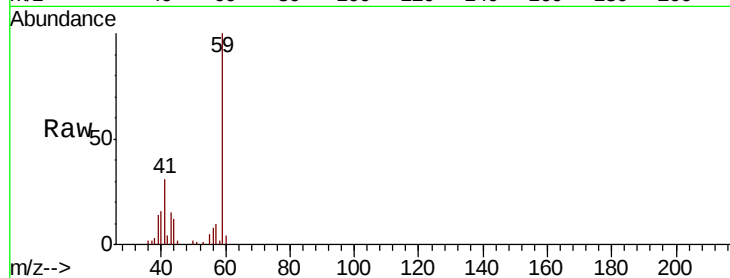
VN1127MBS01

Tot Ion: 59 Resp: 48564

Ion Ratio Lower Upper

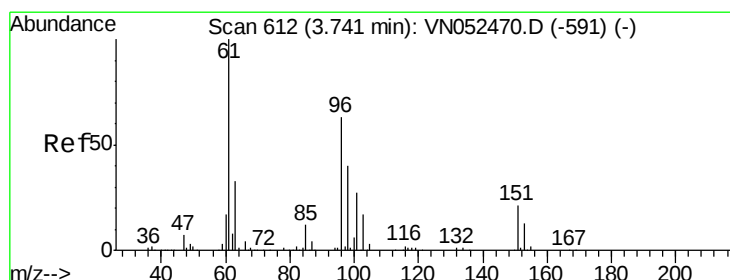
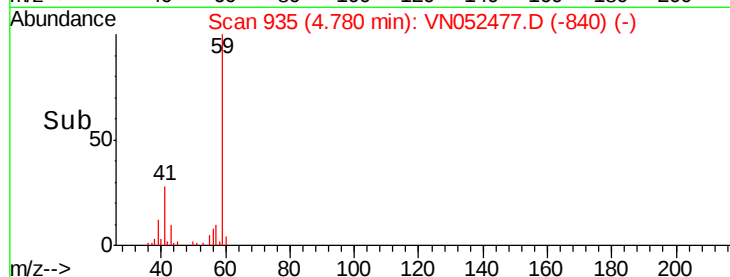
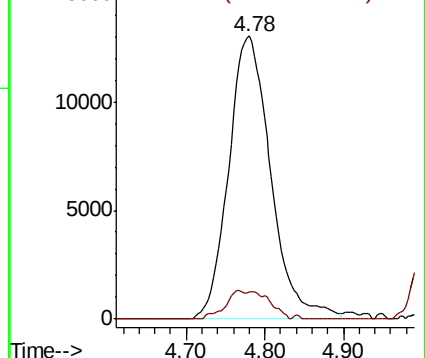
59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 19.595 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

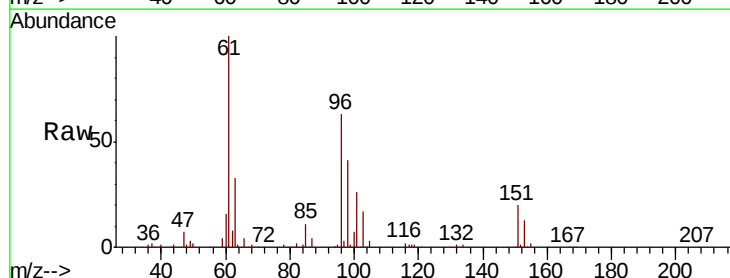
Tgt Ion: 96 Resp: 193572

Ion Ratio Lower Upper

96 100

61 157.5 127.0 190.6

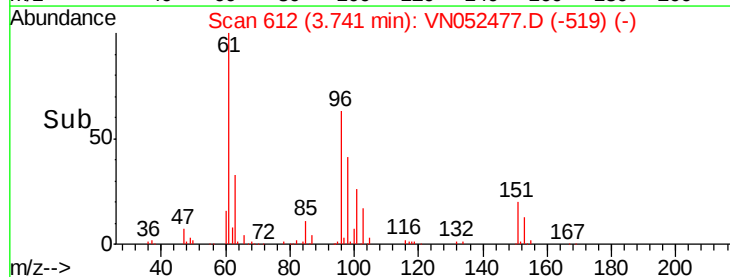
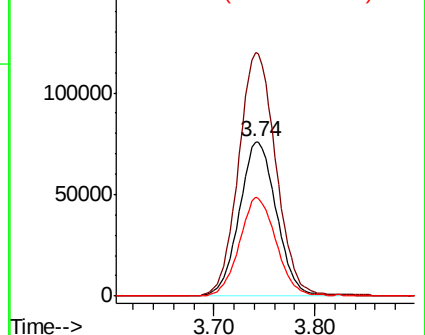
98 64.0 50.3 75.5

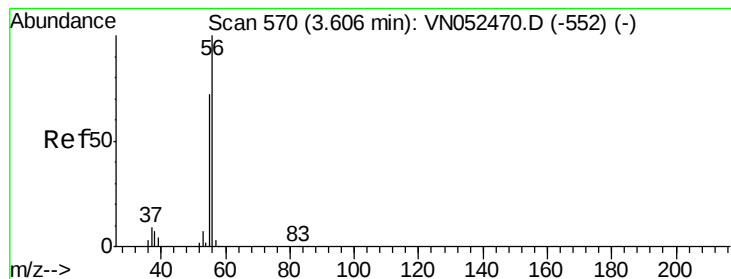


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 102.838 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

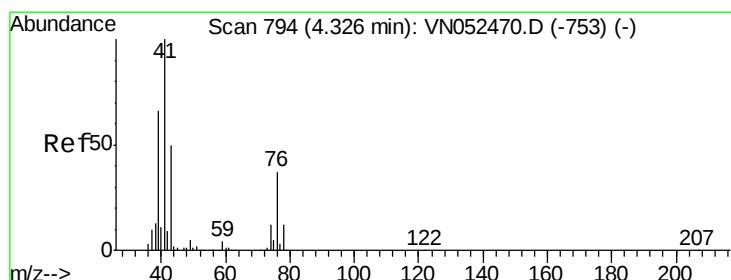
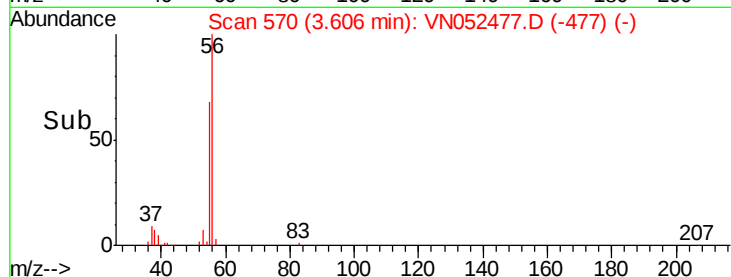
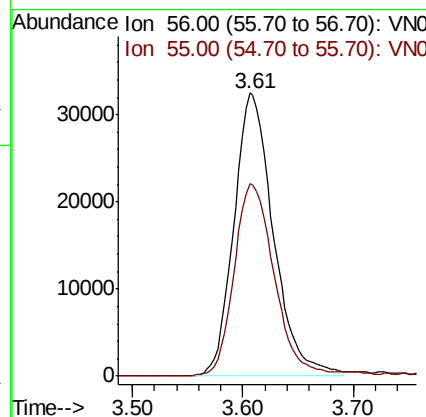
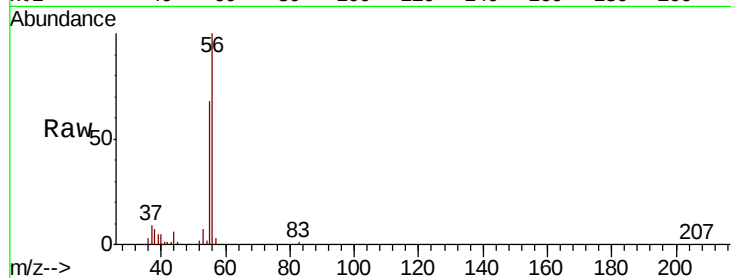
VN1127MBS01

Tot Ion: 56 Resp: 80754

Ion Ratio Lower Upper

56 100

55 69.2 56.8 85.2



#14

Allyl chloride

Concen: 19.732 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

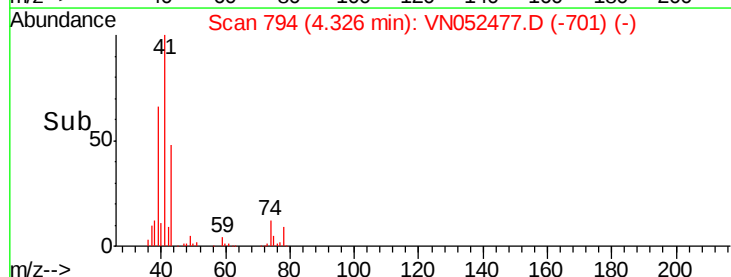
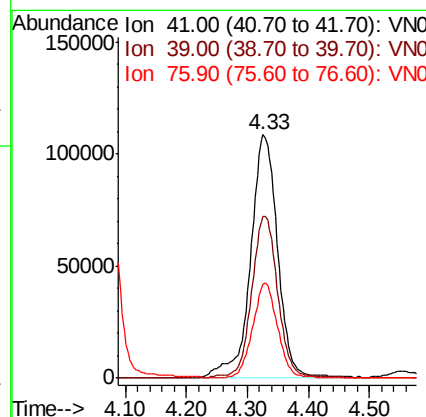
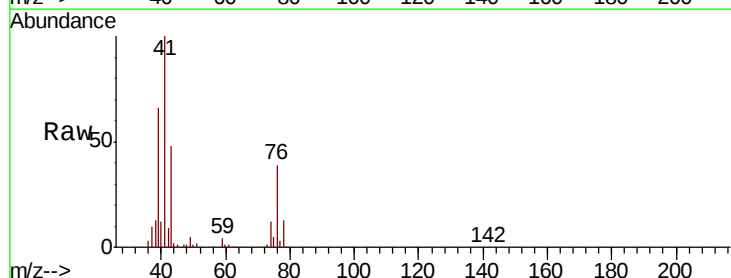
Tgt Ion: 41 Resp: 335959

Ion Ratio Lower Upper

41 100

39 64.0 50.6 76.0

76 34.9 27.4 41.2





#15

Acrylonitrile

Concen: 90.363 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS01

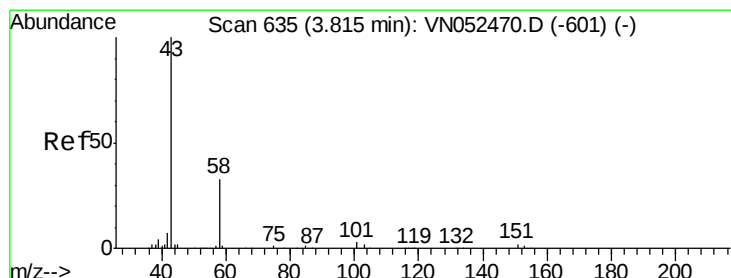
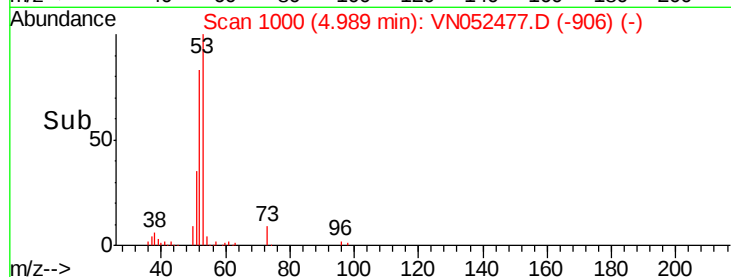
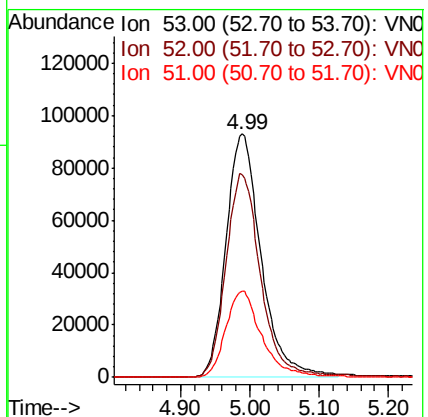
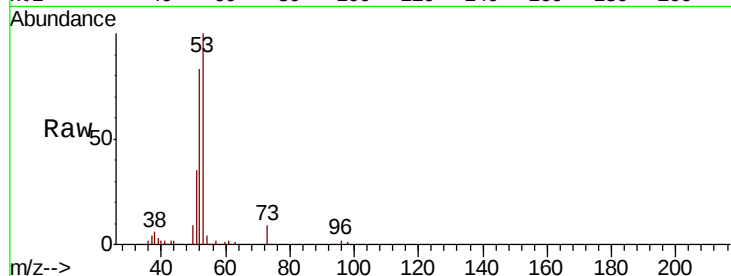
Tot Ion: 53 Resp: 328821

Ion Ratio Lower Upper

53 100

52 82.4 66.2 99.2

51 36.1 28.1 42.1



#16

Acetone

Concen: 86.051 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052477.D

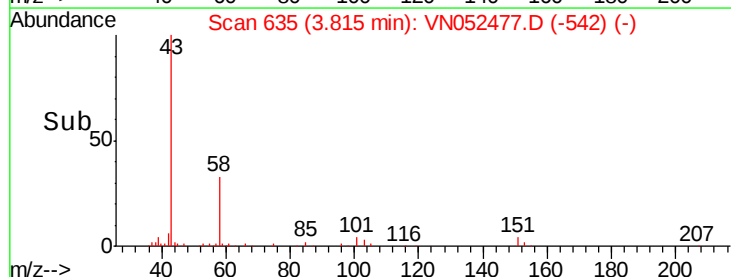
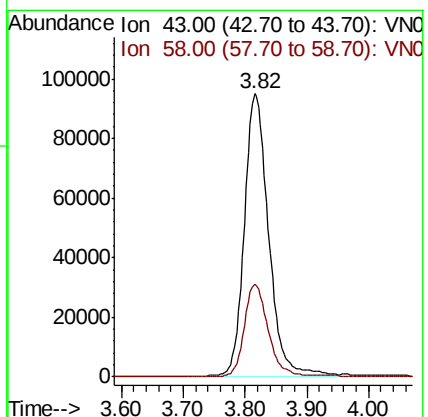
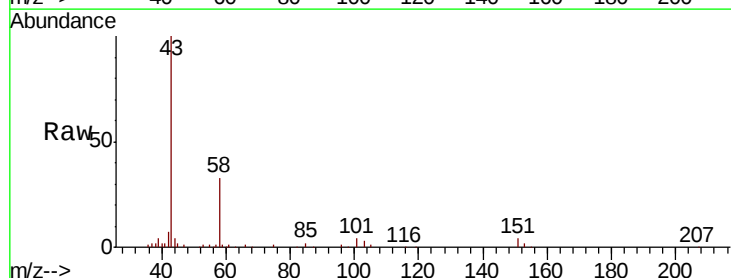
Acq: 27 Nov 2018 14:33

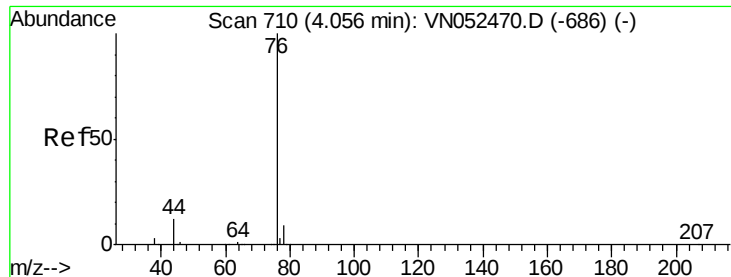
Tgt Ion: 43 Resp: 260619

Ion Ratio Lower Upper

43 100

58 32.8 26.0 39.0





#17

Carbon Disulfide

Concen: 18.293 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

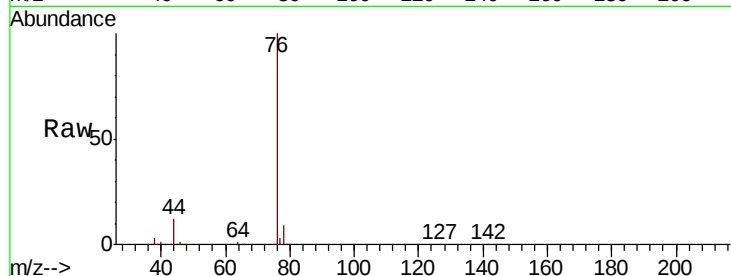
VN1127MBS01

Tot Ion: 76 Resp: 568698

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN052477.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN052477.D (-617) (-)

4.06

250000

200000

150000

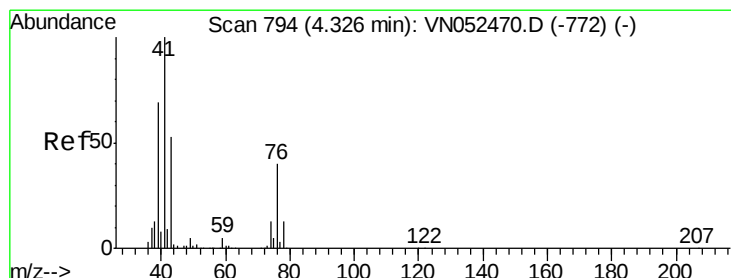
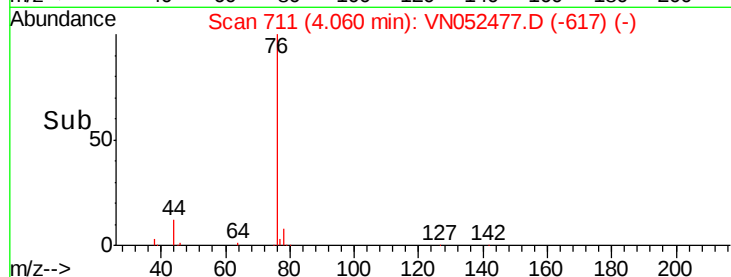
100000

50000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 18.298 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052477.D

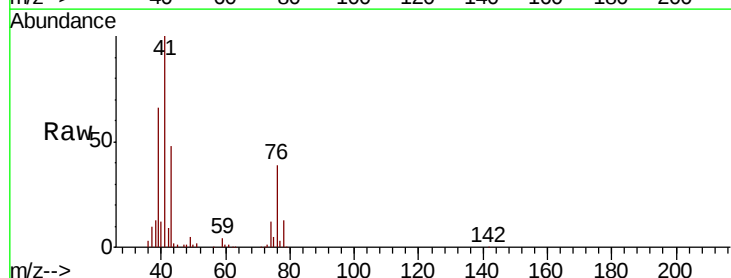
Acq: 27 Nov 2018 14:33

Tgt Ion: 43 Resp: 158969

Ion Ratio Lower Upper

43 100

74 23.3 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN052477.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN052477.D (-701) (-)

4.33

60000

50000

40000

30000

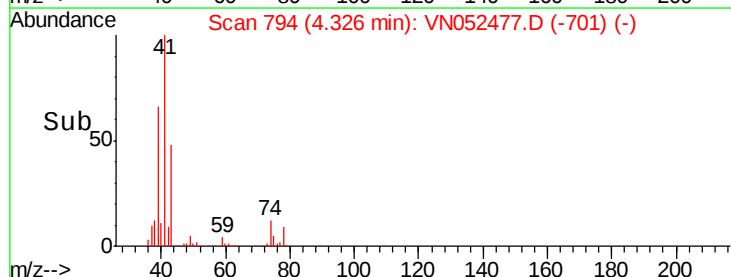
20000

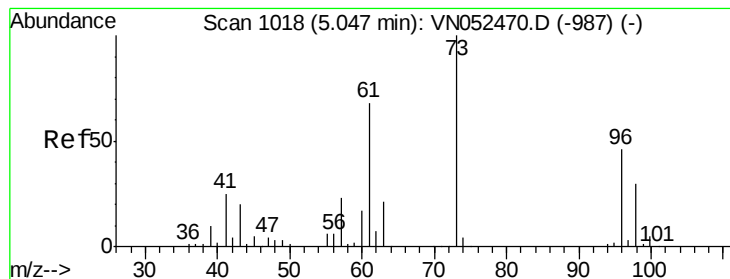
10000

0

Time-->

4.20 4.30 4.40 4.50





#19

Methyl tert-butyl Ether

Concen: 19.349 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampled :

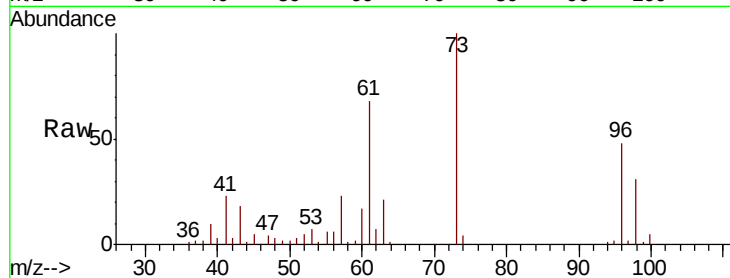
VN1127MBS01

Tot Ion: 73 Resp: 508564

Ion Ratio Lower Upper

73 100

57 22.7 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

5.05

150000

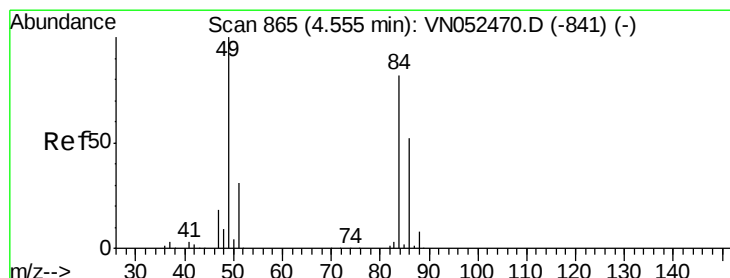
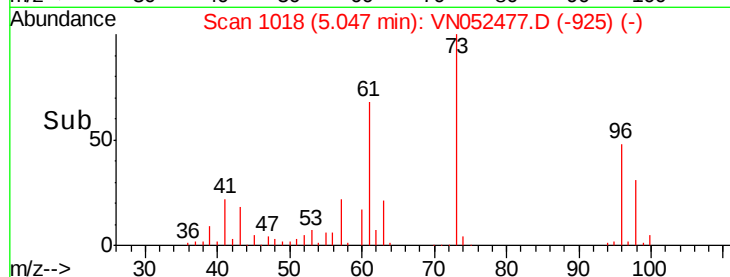
100000

50000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 18.730 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Tgt Ion: 84 Resp: 221990

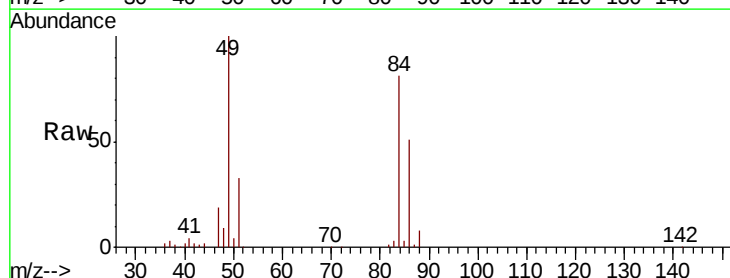
Ion Ratio Lower Upper

84 100

49 123.0 98.0 147.0

51 41.0 30.1 45.1

86 62.4 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

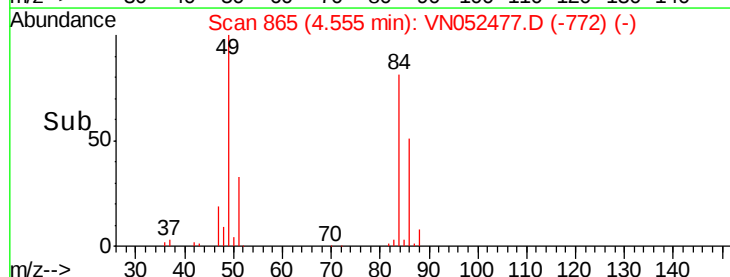
100000

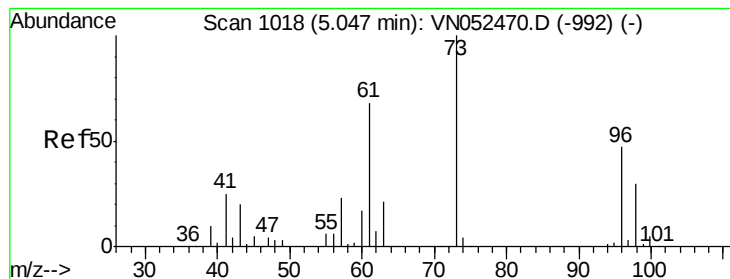
50000

0

Time-->

4.40 4.50 4.60 4.70





#21

trans-1,2-Dichloroethene

Concen: 19.784 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS01

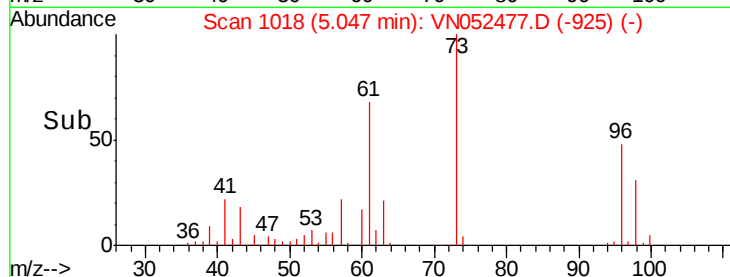
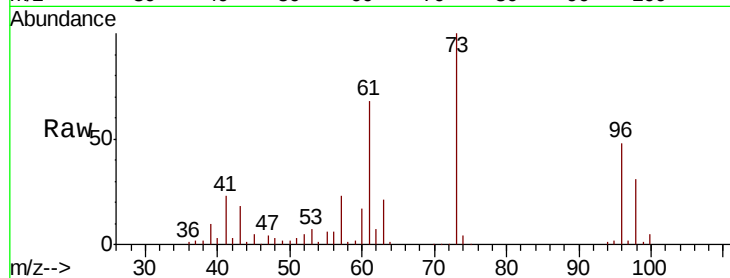
Tot Ion: 96 Resp: 208738

Ion Ratio Lower Upper

96 100

61 140.2 117.0 175.4

98 63.2 51.8 77.6

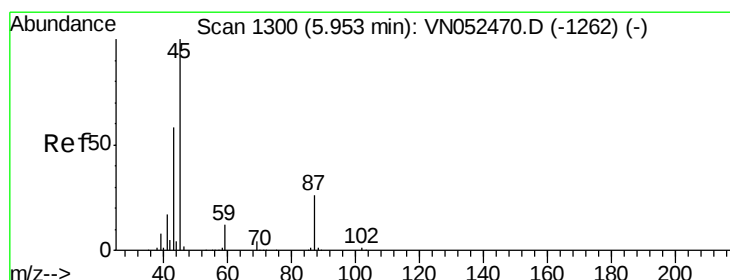
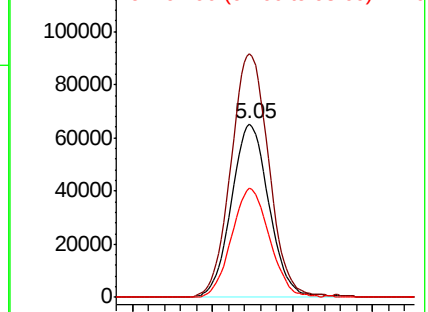


Abundance

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



#22

Diisopropyl ether

Concen: 19.671 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Tgt Ion: 45 Resp: 703495

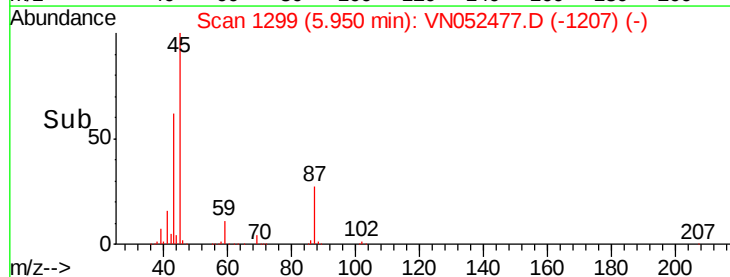
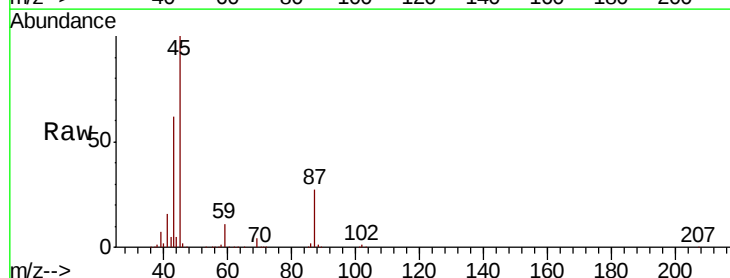
Ion Ratio Lower Upper

45 100

43 61.8 46.1 69.1

87 26.9 21.3 31.9

59 11.1 9.5 14.3



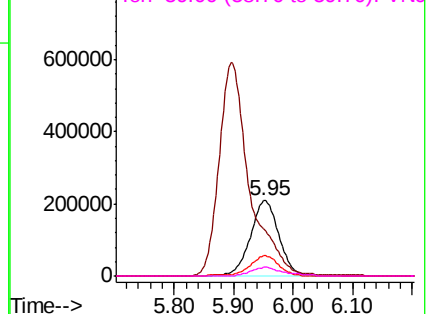
Abundance

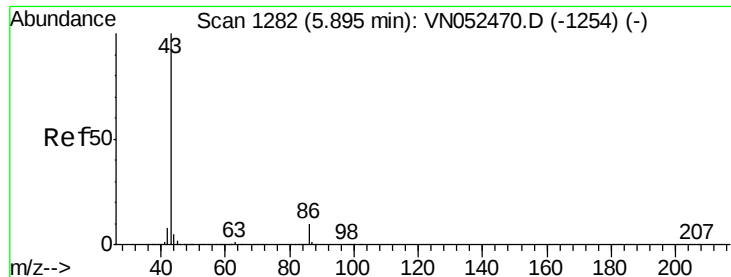
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 94.781 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

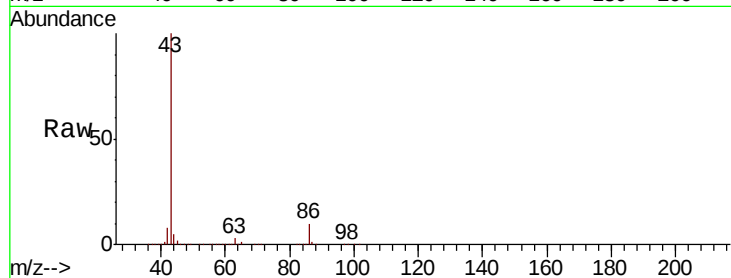
VN1127MBS01

Tot Ion: 43 Resp: 2111309

Ion Ratio Lower Upper

43 100

86 10.0 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

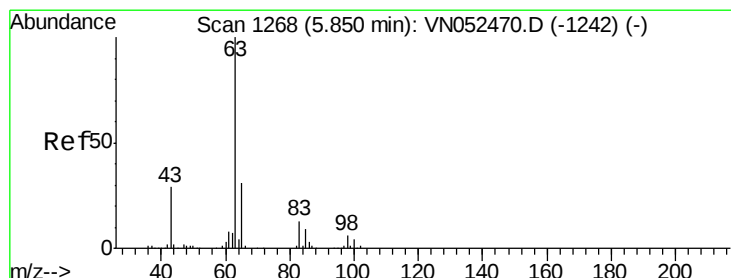
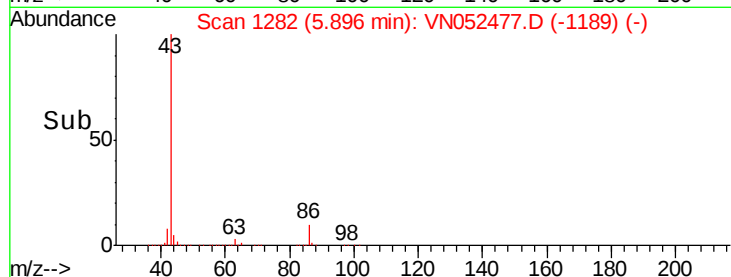
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.816 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

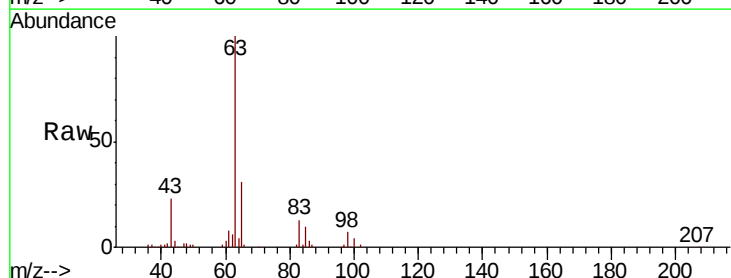
Tgt Ion: 63 Resp: 404647

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

100 4.4 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

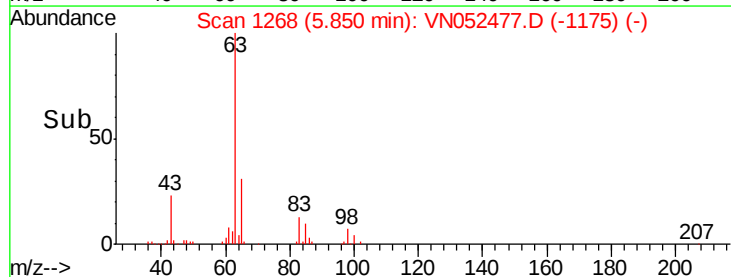
150000

100000

50000

0

Time-->





#25

2-Butanone

Concen: 87.392 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

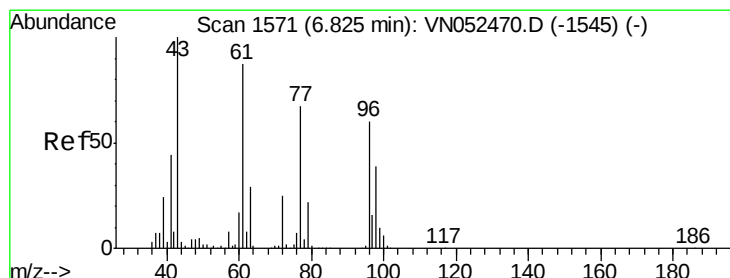
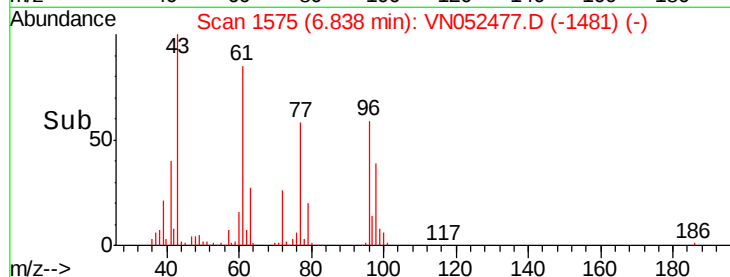
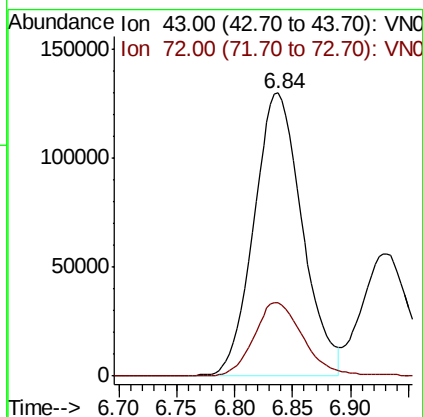
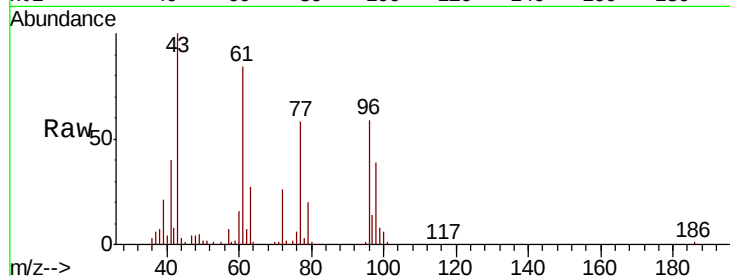
VN1127MBS01

Tot Ion: 43 Resp: 375155

Ion Ratio Lower Upper

43 100

72 25.8 20.1 30.1



#26

2,2-Dichloropropane

Concen: 19.457 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN052477.D

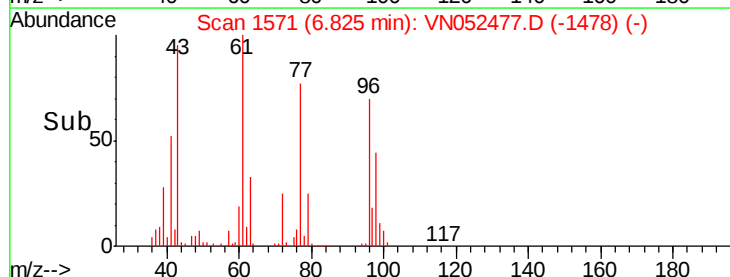
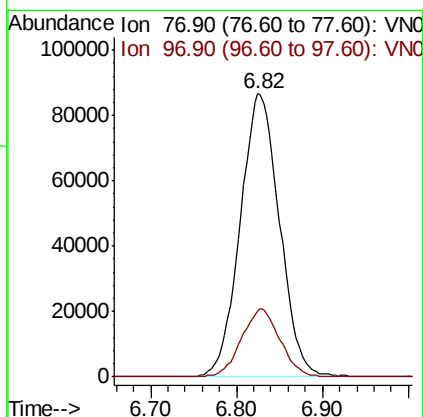
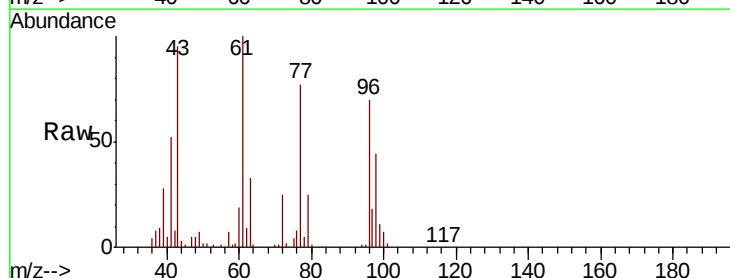
Acq: 27 Nov 2018 14:33

Tgt Ion: 77 Resp: 275003

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.650 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS01

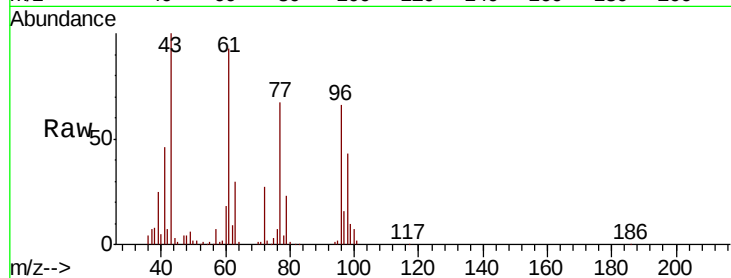
Tot Ion: 96 Resp: 241498

Ion Ratio Lower Upper

96 100

61 143.3 0.0 291.0

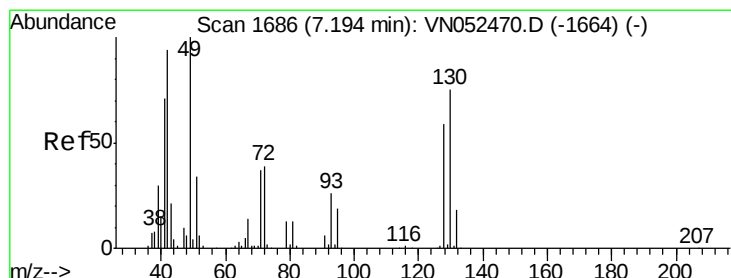
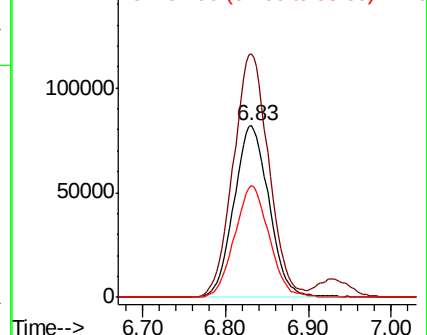
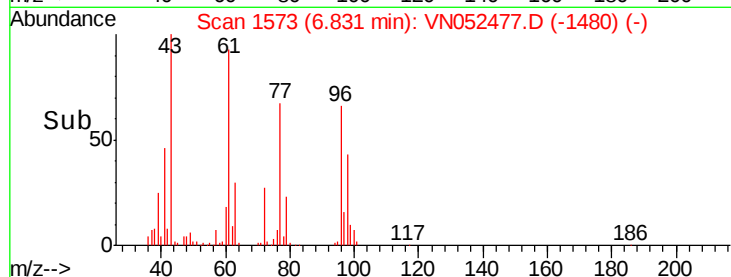
98 64.0 0.0 130.0



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: 19.898 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

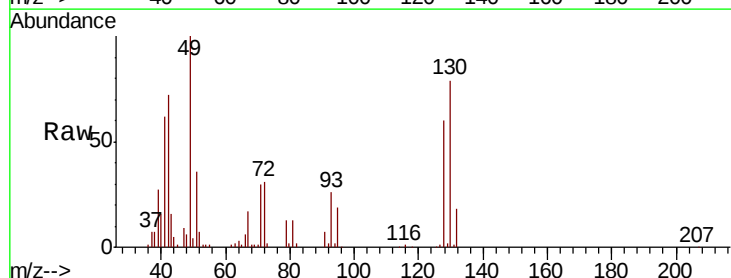
Tgt Ion: 49 Resp: 185581

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

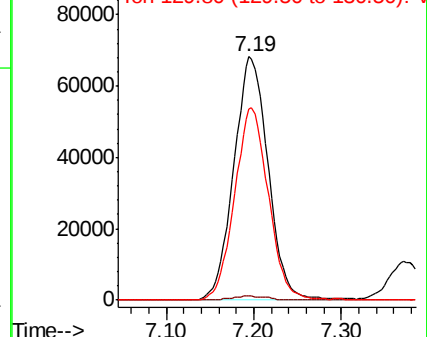
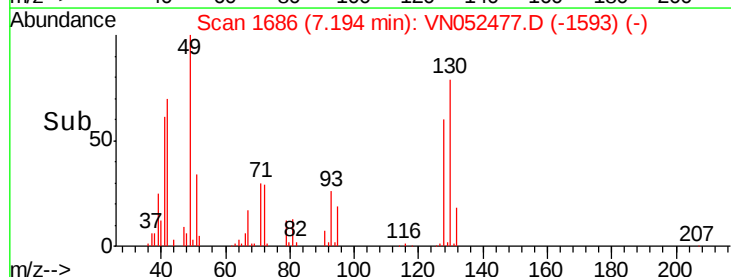
130 77.8 60.2 90.2



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

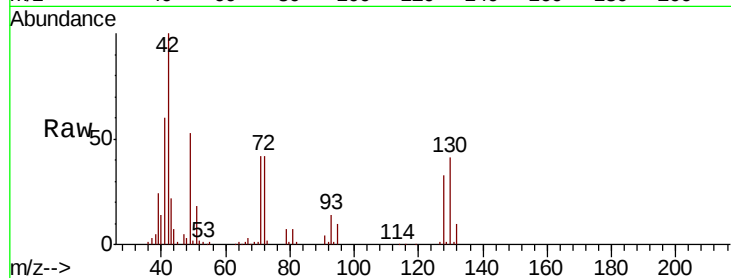




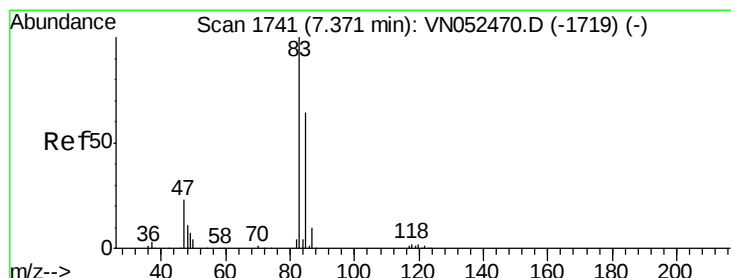
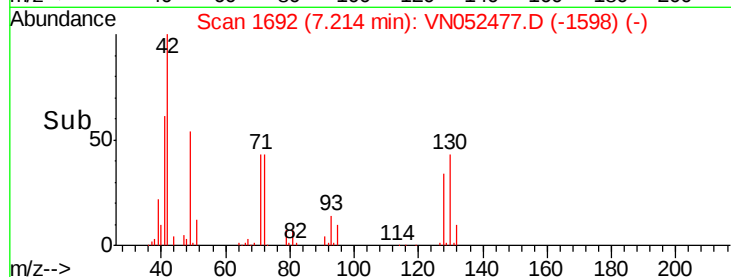
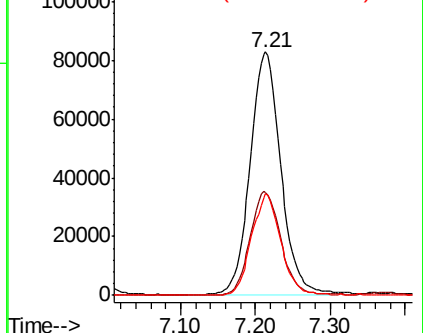
#29
Tetrahydrofuran
Concen: 86.281 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampled :
VN1127MBS01

Tot Ion: 42 Resp: 238897
Ion Ratio Lower Upper
42 100
72 42.6 33.3 49.9
71 39.6 32.0 48.0

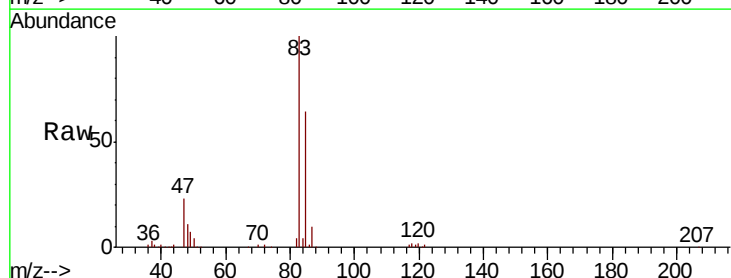


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

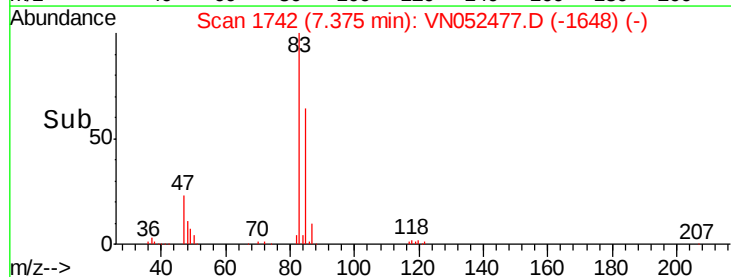
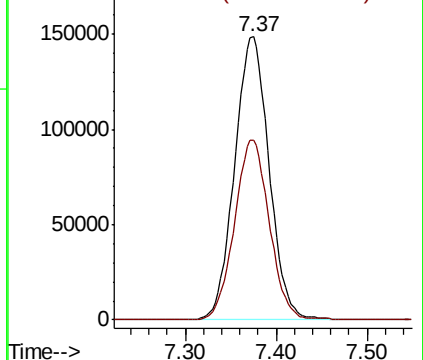


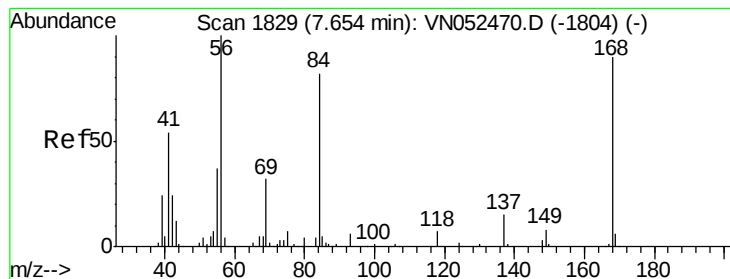
#30
Chloroform
Concen: 19.189 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

Tgt Ion: 83 Resp: 390941
Ion Ratio Lower Upper
83 100
85 63.6 51.0 76.4



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





#31

Cyclohexane

Concen: 19.612 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS01

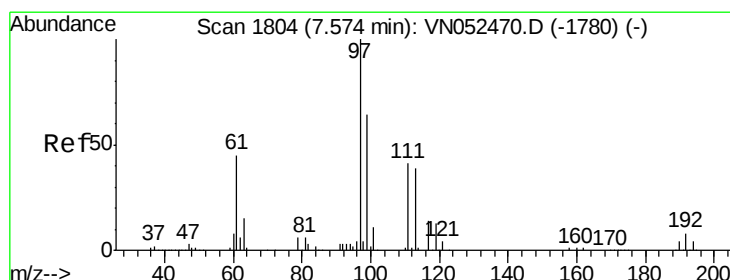
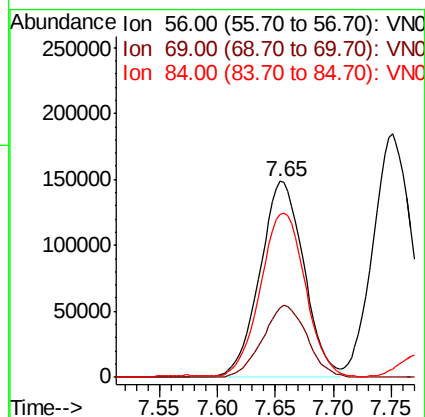
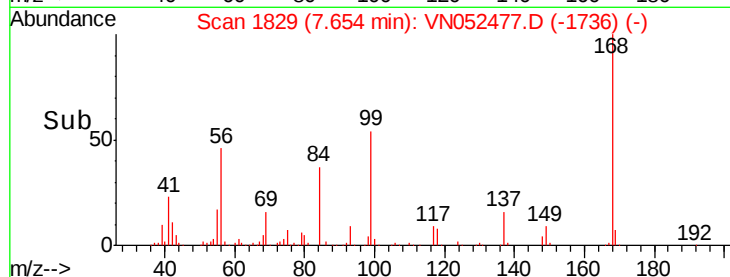
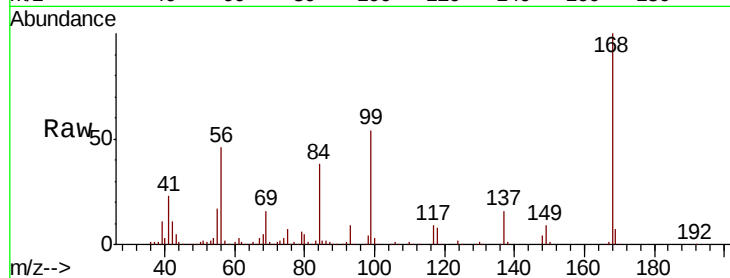
Tot Ion: 56 Resp: 392009

Ion Ratio Lower Upper

56 100

69 35.3 25.8 38.6

84 82.3 65.3 97.9



#32

1,1,1-Trichloroethane

Concen: 19.546 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

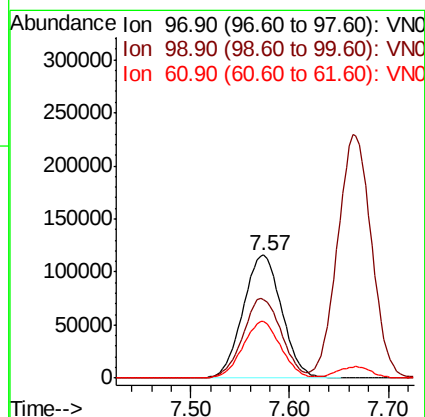
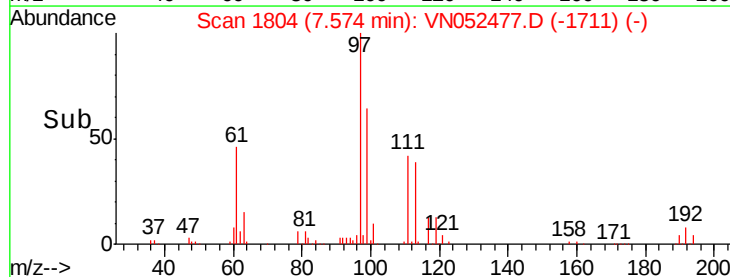
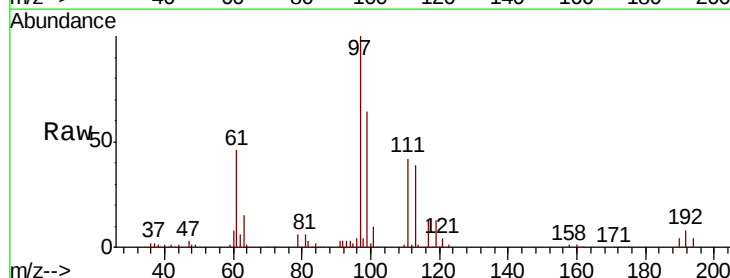
Tgt Ion: 97 Resp: 315504

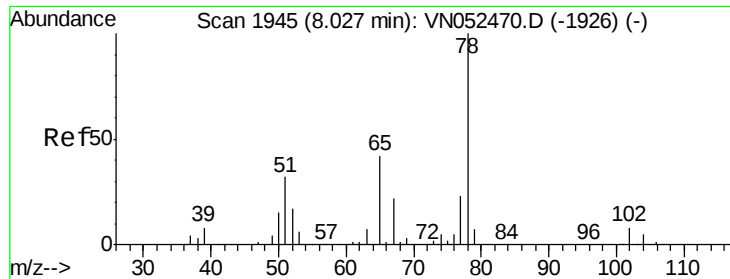
Ion Ratio Lower Upper

97 100

99 63.7 51.7 77.5

61 45.1 36.8 55.2

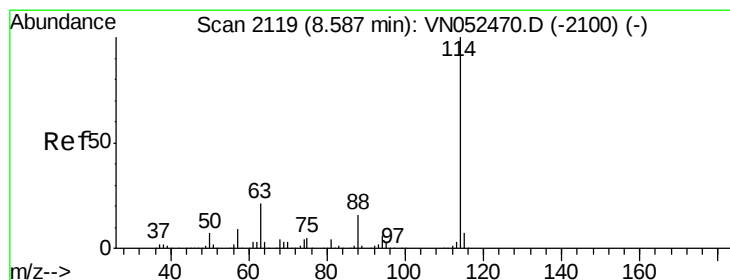
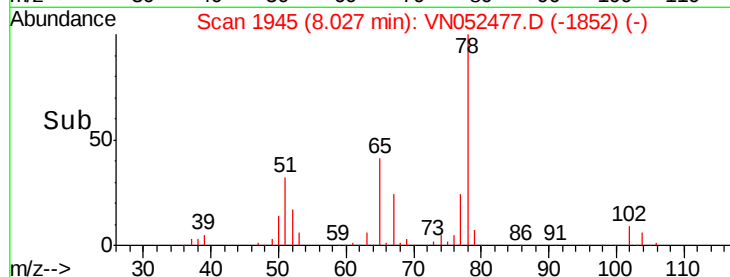
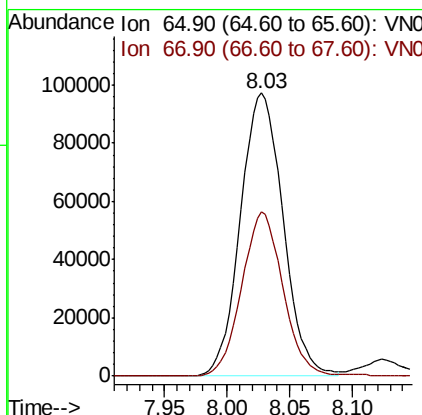
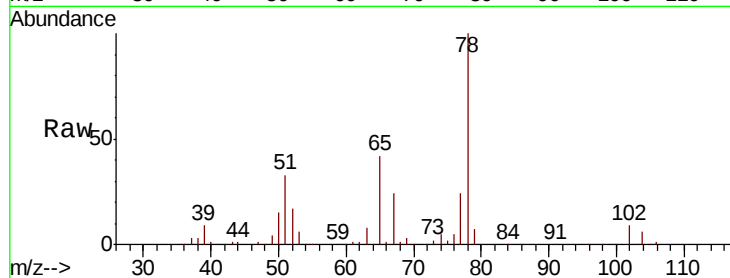




#33
 1,2-Dichloroethane-d4
 Concen: 19.546 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

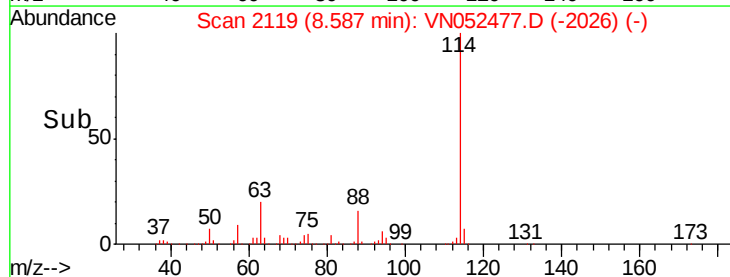
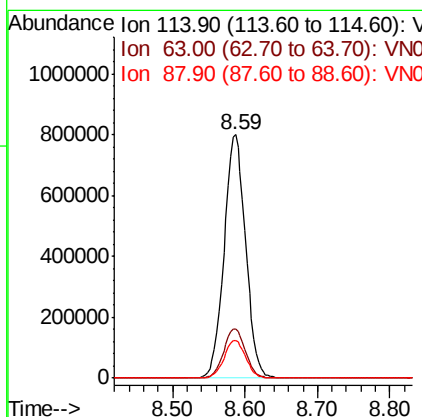
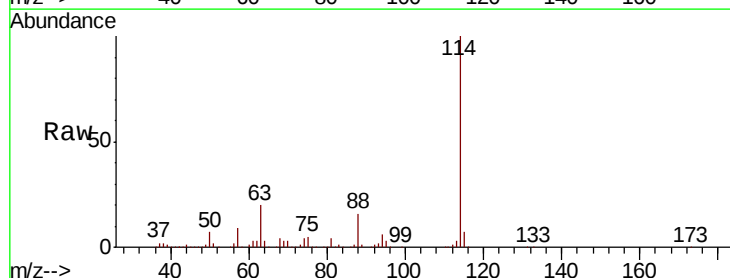
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS01

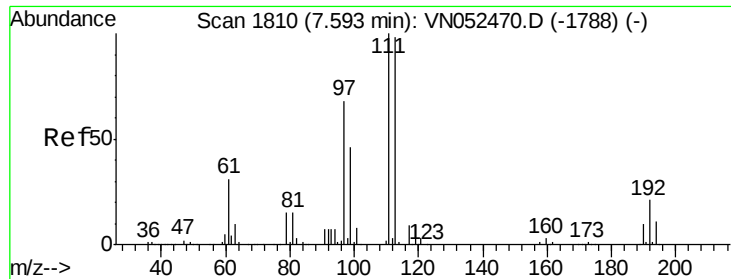
Tot Ion: 65 Resp: 230340
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

Tgt Ion: 114 Resp: 1644506
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.8
 88 15.6 0.0 31.6

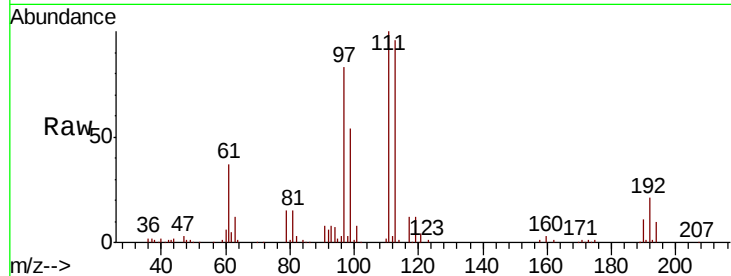




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	21.4	17.0	25.6

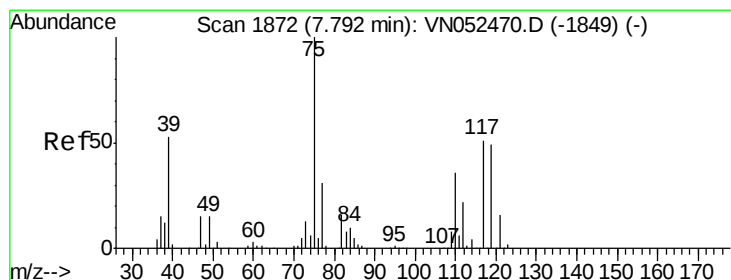
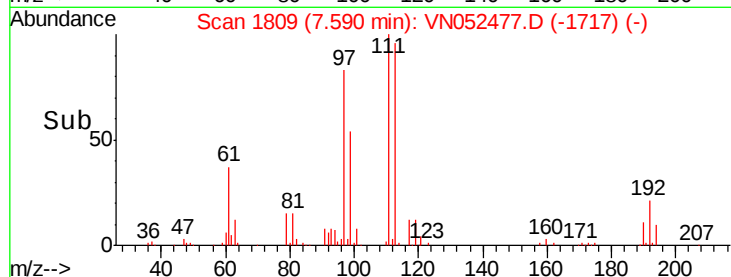
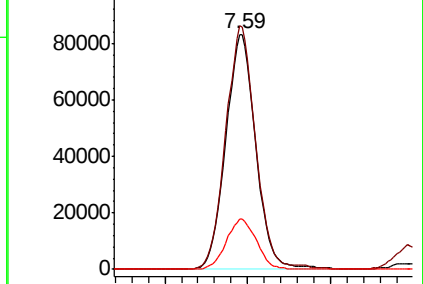


Abundance

Ion 112.80 (112.50 to 113.50): V

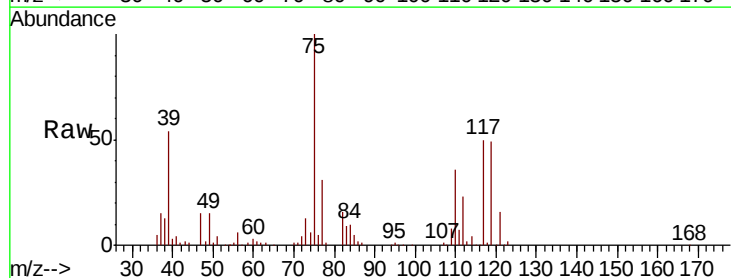
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 19.549 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.5	52.6
77	30.8	24.5	36.7

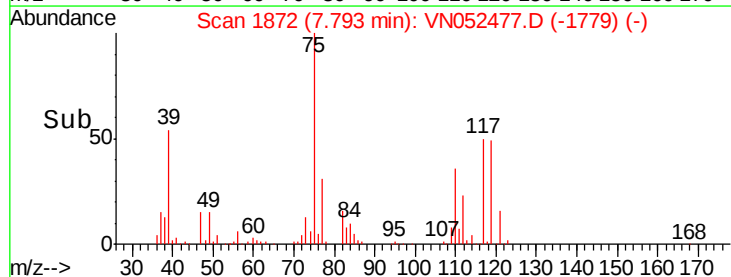
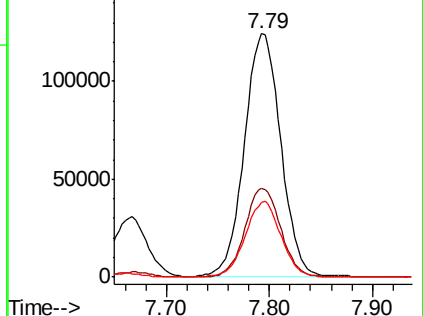


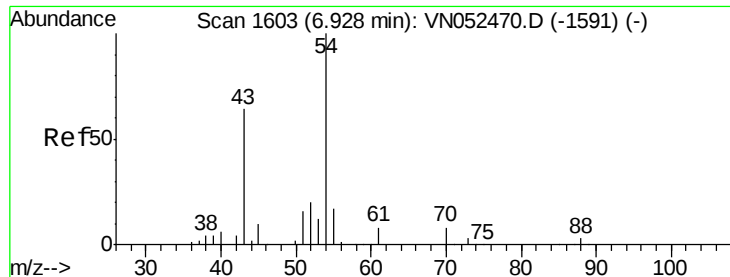
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

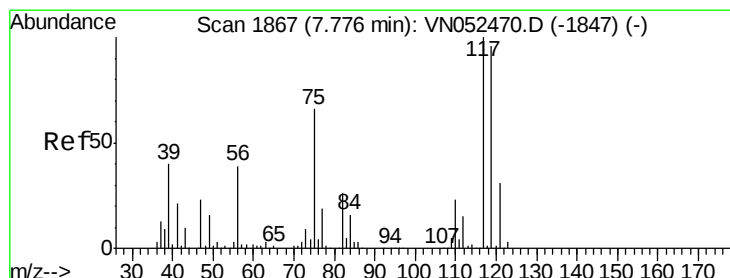
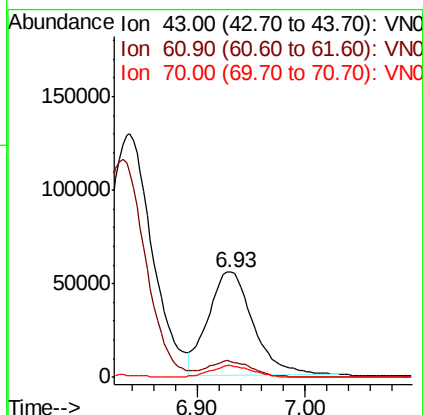
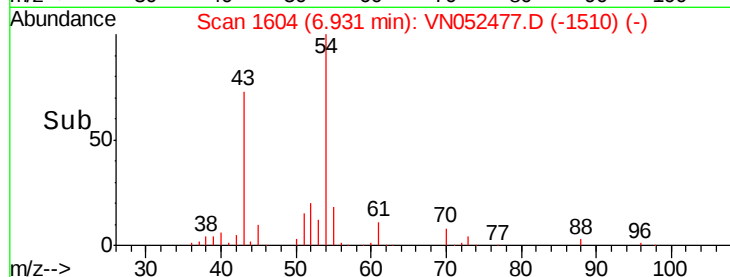
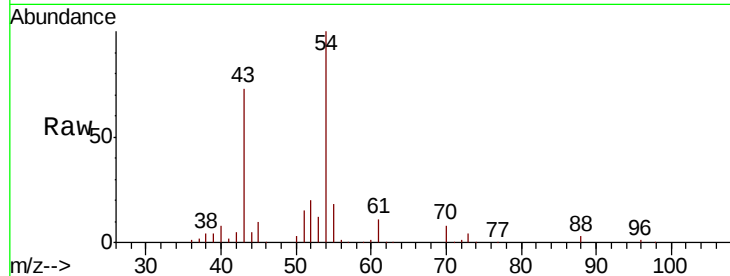




#37
Ethyl Acetate
Concen: 17.161 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

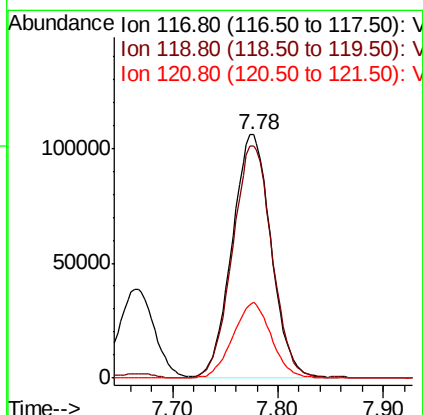
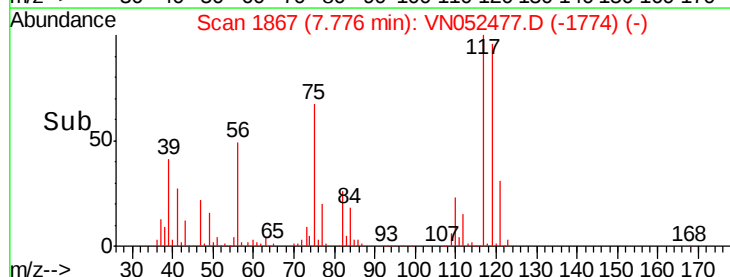
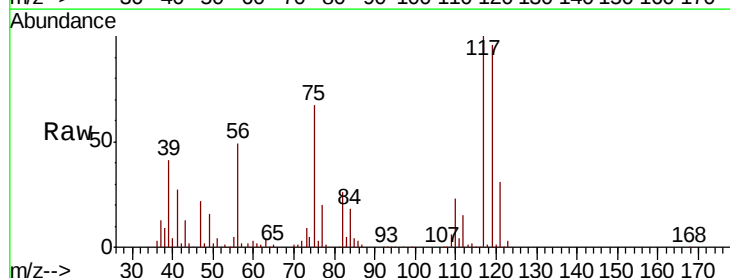
Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS01

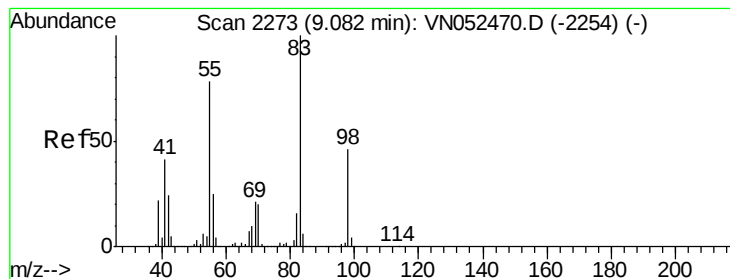
Tot Ion: 43 Resp: 162642
Ion Ratio Lower Upper
43 100
61 14.0 11.8 17.8
70 9.9 7.8 11.8



#38
Carbon Tetrachloride
Concen: 19.205 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

Tgt Ion: 117 Resp: 269988
Ion Ratio Lower Upper
117 100
119 95.6 76.8 115.2
121 31.1 24.9 37.3

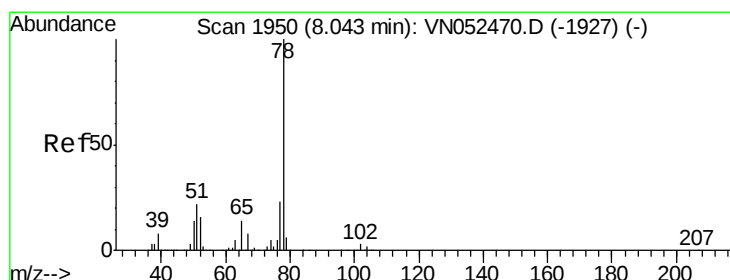
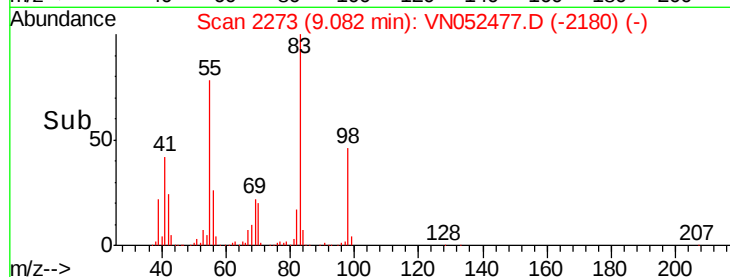
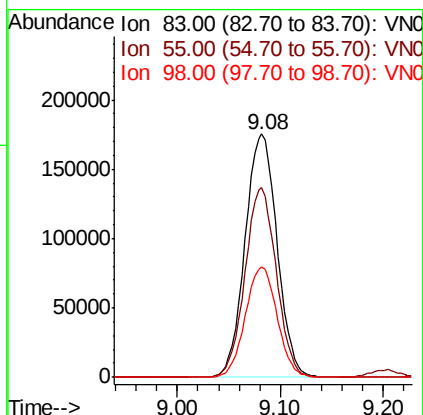
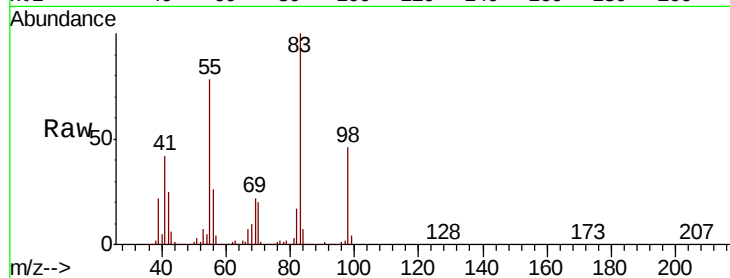




#39
Methvlcvclohexane
Concen: 20.025 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

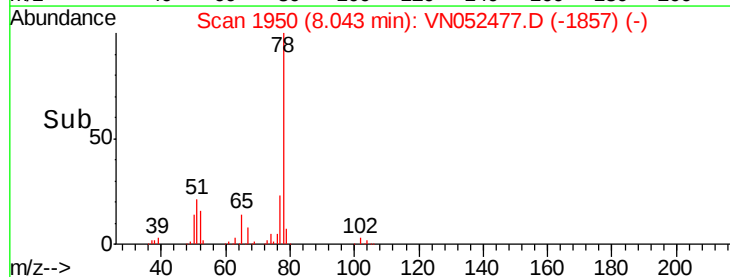
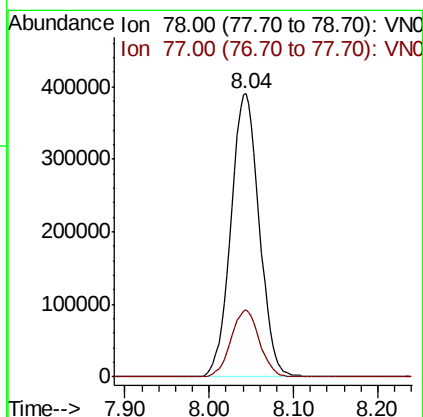
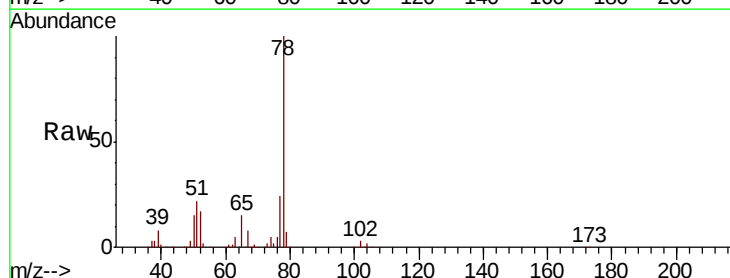
Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS01

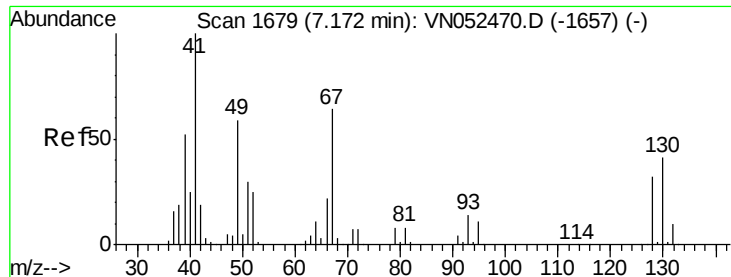
Tot Ion: 83 Resp: 377990
Ion Ratio Lower Upper
83 100
55 77.8 62.2 93.2
98 45.5 36.4 54.6



#40
Benzene
Concen: 19.721 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

Tgt Ion: 78 Resp: 912696
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

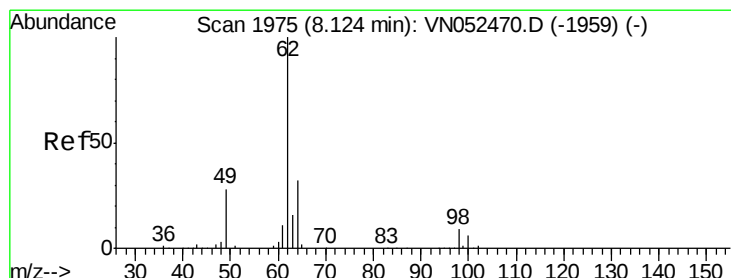
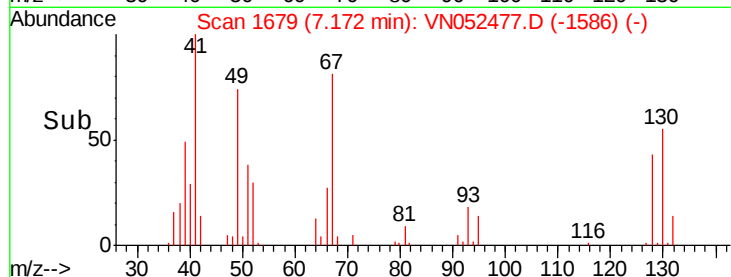
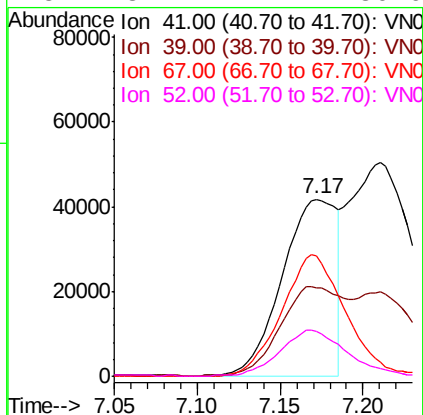
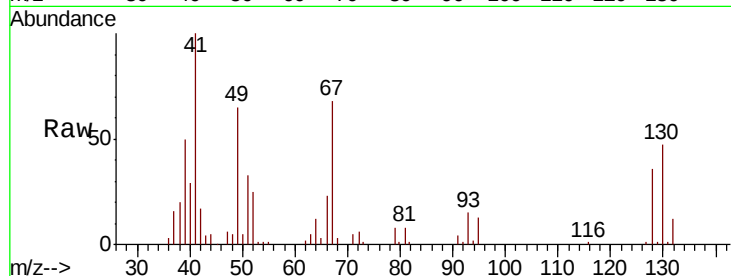




#41
Methacrylonitrile
Concen: 18.466 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

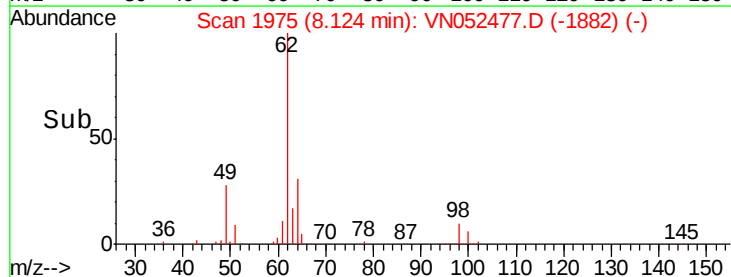
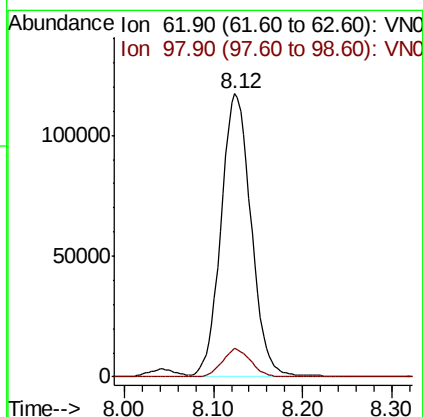
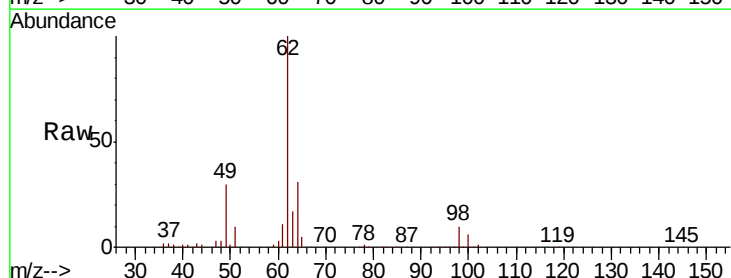
Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS01

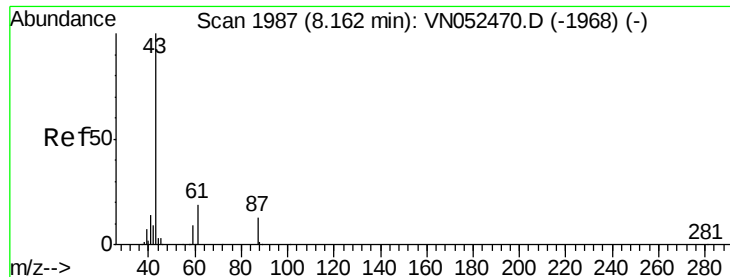
Tot Ion: 41 Resp: 95680
Ion Ratio Lower Upper
41 100
39 58.8 50.9 76.3
67 81.2 63.6 95.4
52 32.4 24.4 36.6



#42
1,2-Dichloroethane
Concen: 19.492 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

Tgt Ion: 62 Resp: 273149
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.6





#43

Isopropyl Acetate

Concen: 18.162 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS01

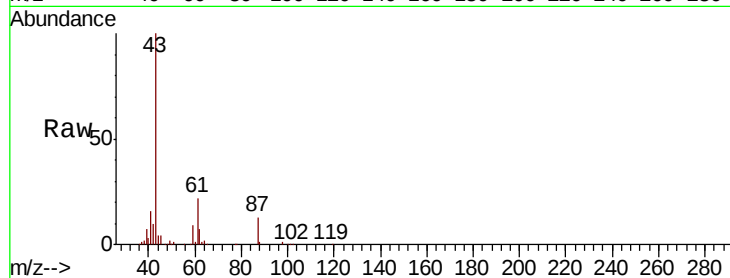
Tot Ion: 43 Resp: 291299

Ion Ratio Lower Upper

43 100

61 30.2 24.1 36.1

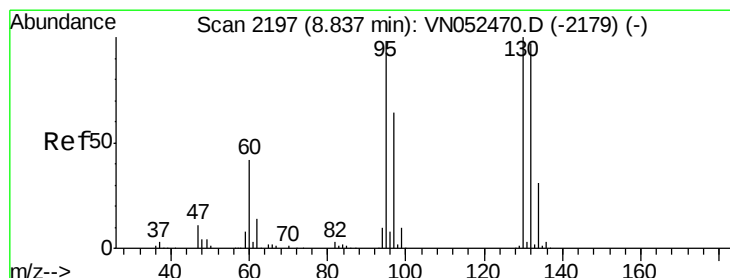
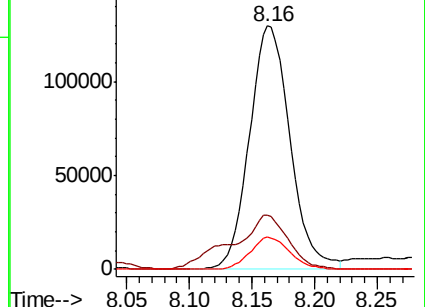
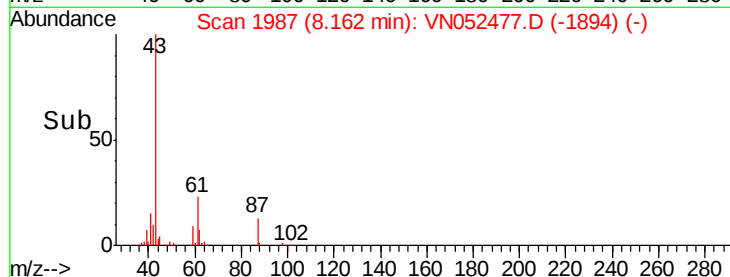
87 12.9 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN052477.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052477.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052477.D (-1968) (-)



#44

Trichloroethene

Concen: 19.619 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052477.D

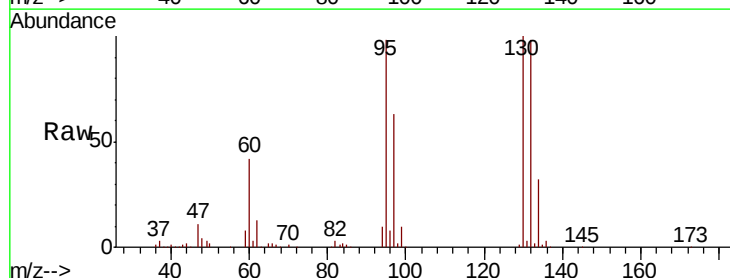
Acq: 27 Nov 2018 14:33

Tgt Ion: 130 Resp: 232577

Ion Ratio Lower Upper

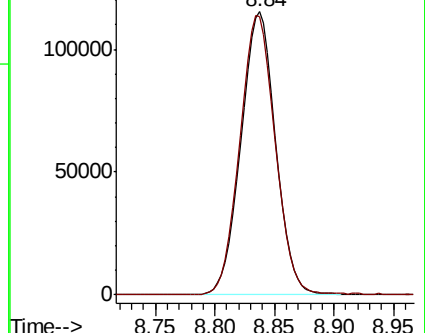
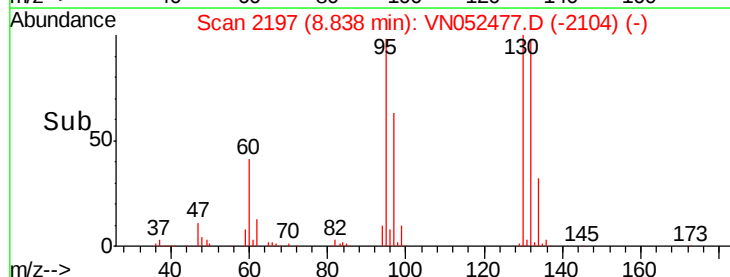
130 100

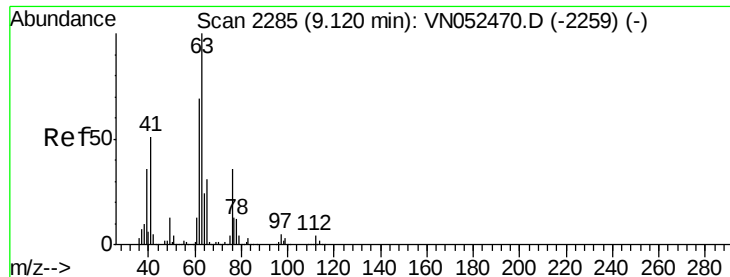
95 98.2 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): VN052477.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052477.D (-2179) (-)

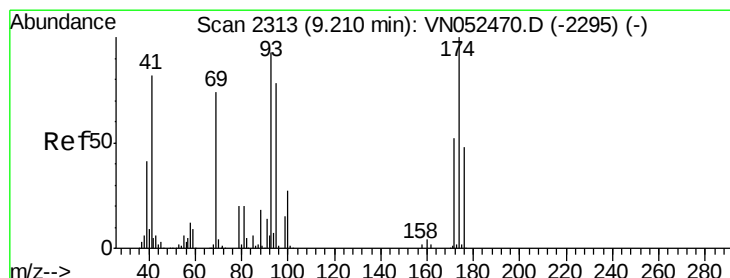
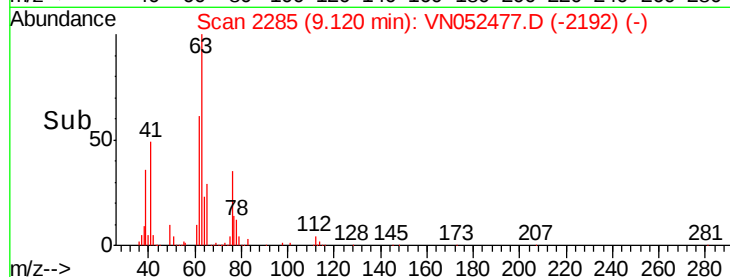
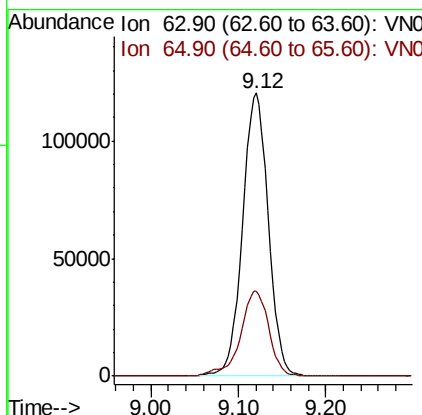
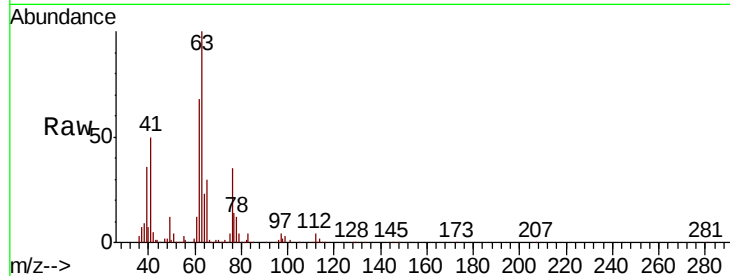




#45
 1,2-Dichloropropane
 Concen: 20.018 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

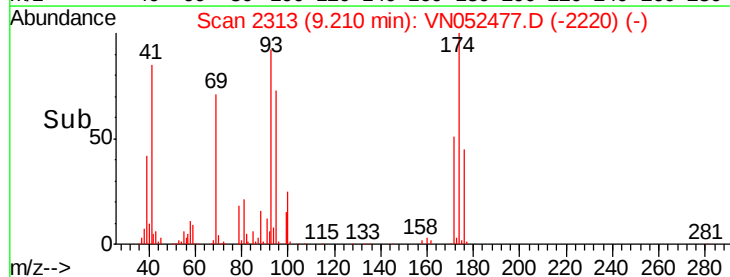
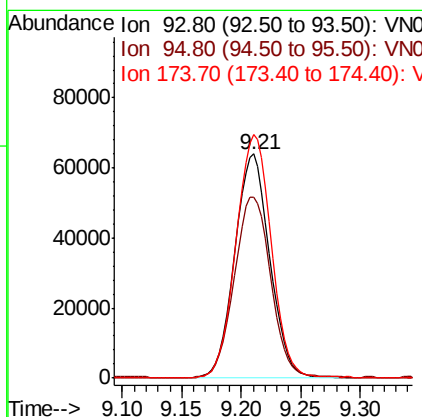
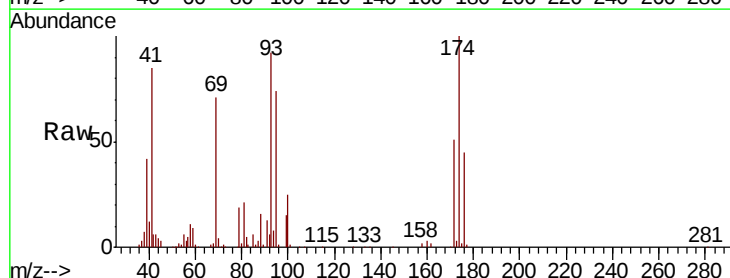
Instrument :
 MSVOA_N
 ClientSampled :
 VN1127MBS01

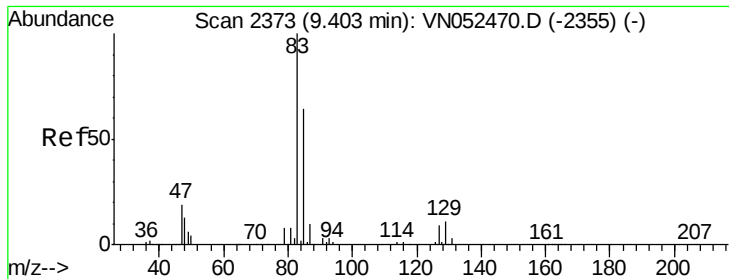
Tot Ion: 63 Resp: 246312
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.6



#46
 Dibromomethane
 Concen: 19.218 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

Tgt Ion: 93 Resp: 130904
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.1 100.7
 174 109.0 85.8 128.8





#47

Bromodichloromethane

Concen: 19.388 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS01

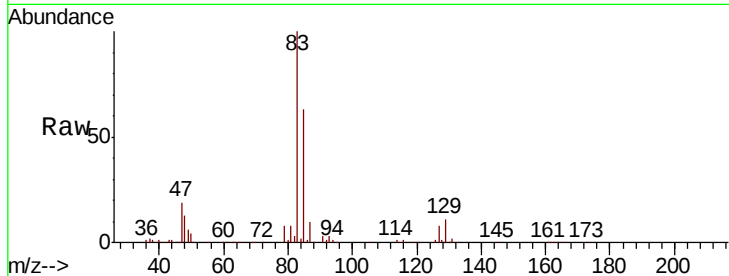
Tot Ion: 83 Resp: 287120

Ion Ratio Lower Upper

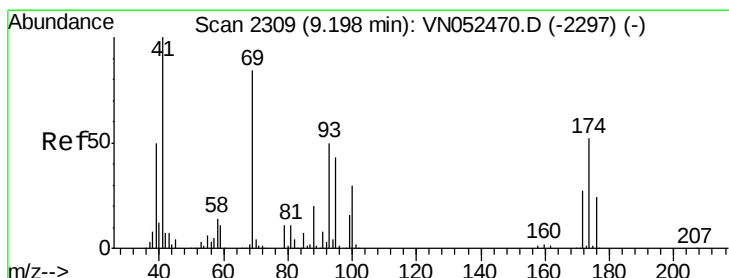
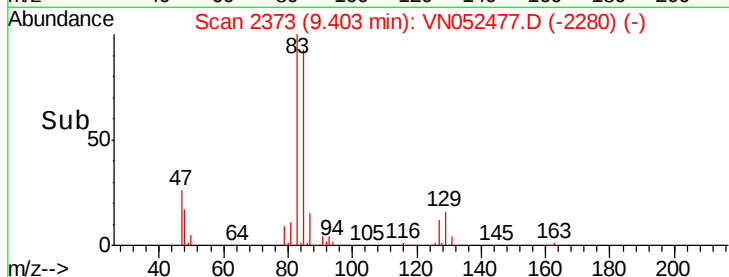
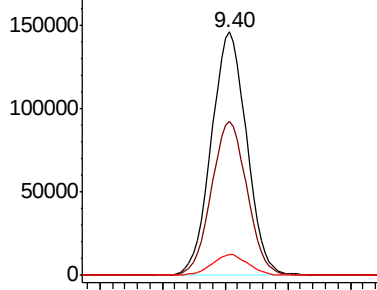
83 100

85 63.3 51.3 76.9

127 8.4 6.9 10.3



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



#48

Methyl methacrylate

Concen: 18.145 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

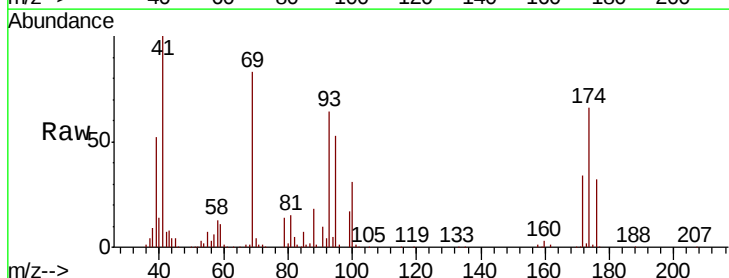
Tgt Ion: 41 Resp: 151753

Ion Ratio Lower Upper

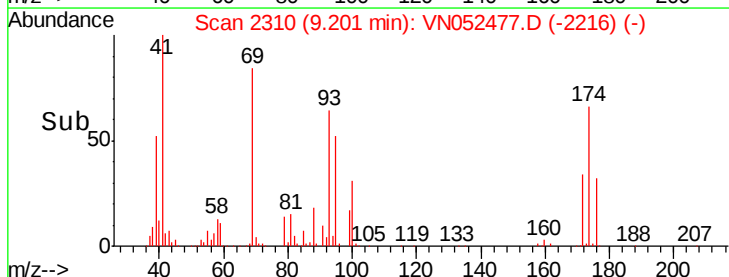
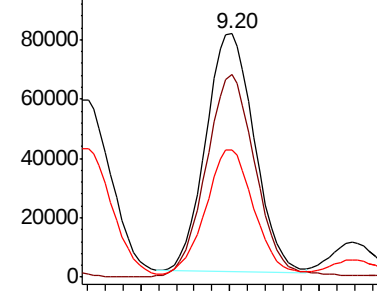
41 100

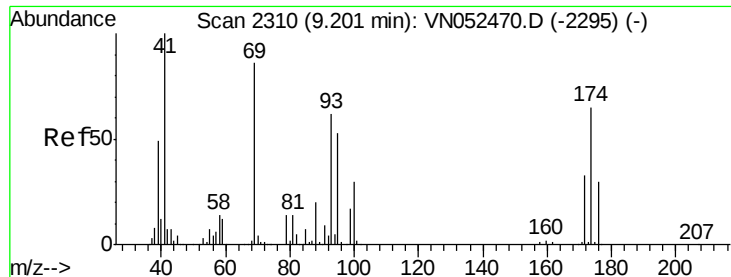
69 87.0 70.0 105.0

39 54.0 42.6 64.0



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

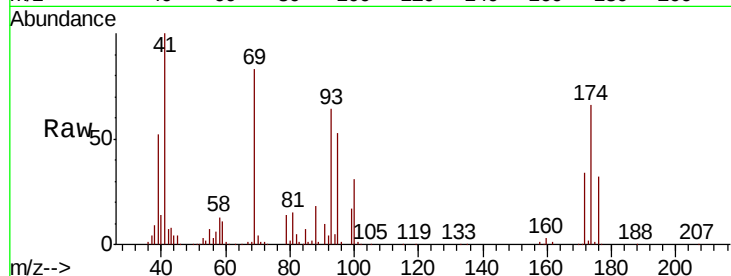




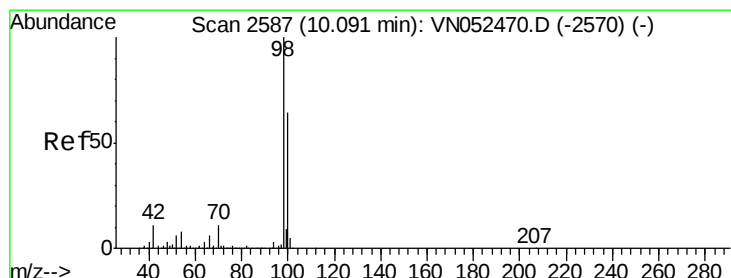
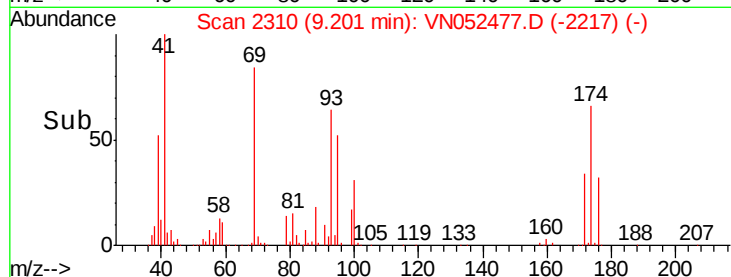
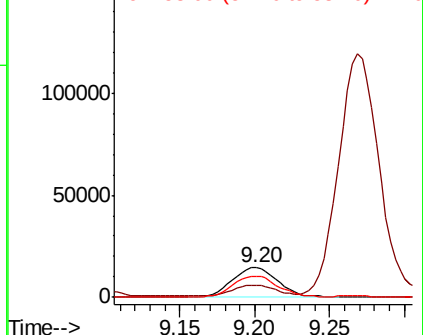
#49
1,4-Dioxane
Concen: 357.290 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS01

Tot Ion: 88 Resp: 31011
Ion Ratio Lower Upper
88 100
43 34.4 26.4 39.6
58 72.1 55.4 83.0

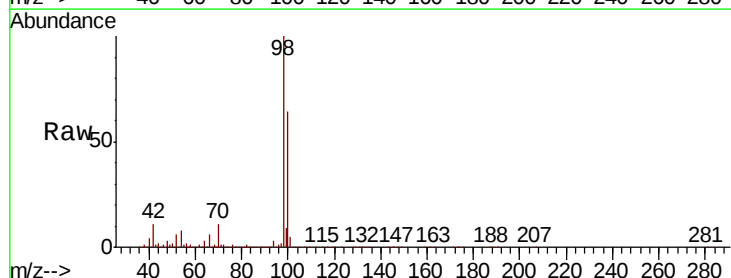


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

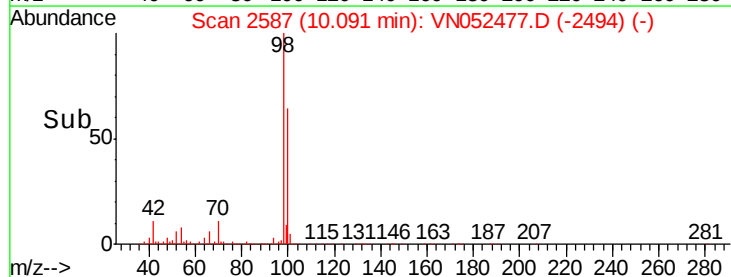
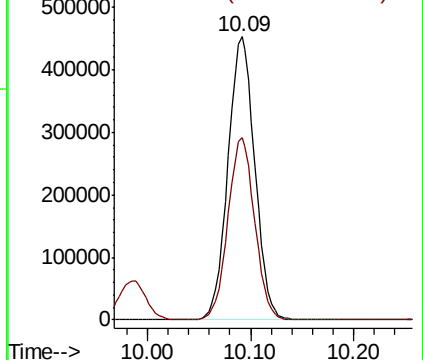


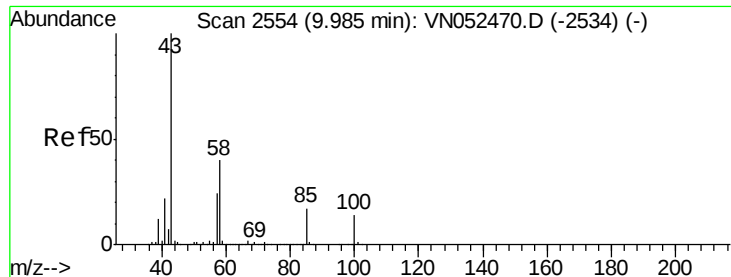
#50
Toluene-d8
Concen: 357.290 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

Tgt Ion: 98 Resp: 822059
Ion Ratio Lower Upper
98 100
100 64.1 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: 90.801 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

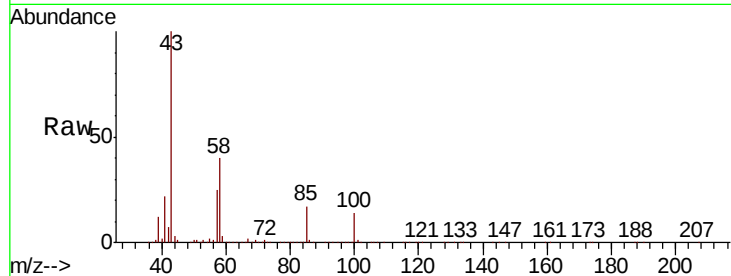
VN1127MBS01

Tot Ion: 43 Resp: 817116

Ion Ratio Lower Upper

43 100

58 39.4 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

400000

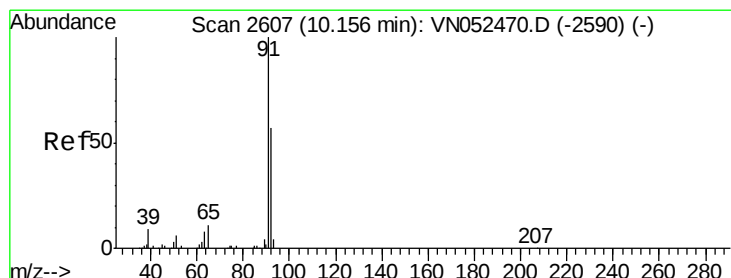
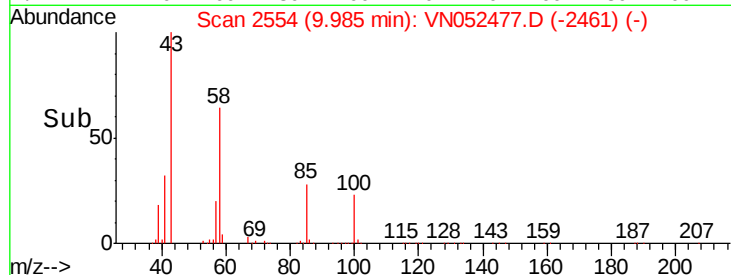
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.191 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052477.D

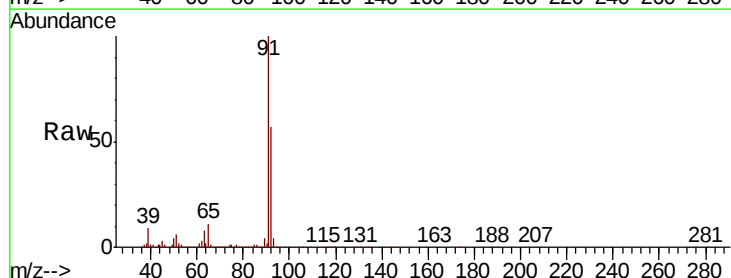
Acq: 27 Nov 2018 14:33

Tgt Ion: 92 Resp: 555202

Ion Ratio Lower Upper

92 100

91 176.1 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

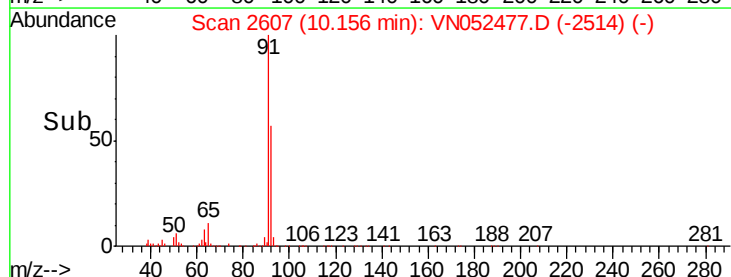
300000

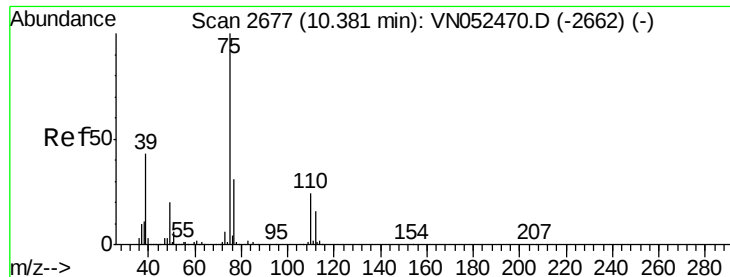
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.932 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

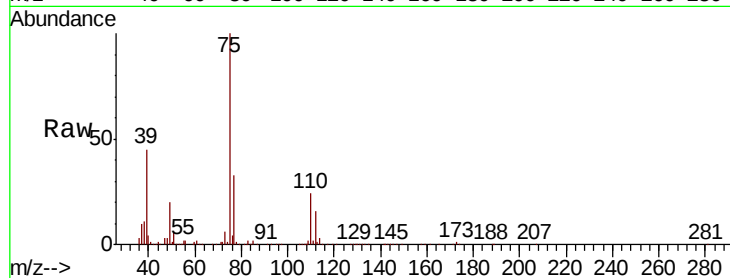
VN1127MBS01

Tot Ion: 75 Resp: 269725

Ion Ratio Lower Upper

75 100

77 32.9 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

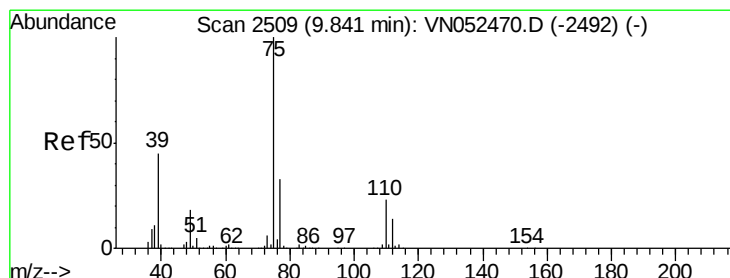
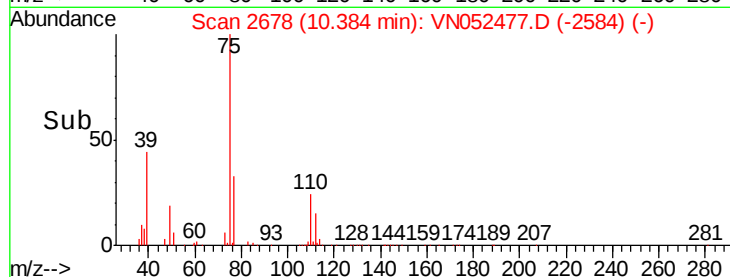
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.627 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

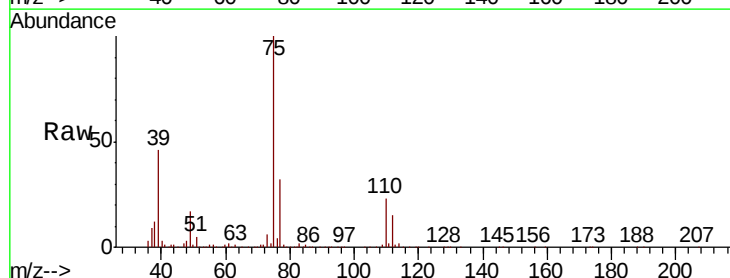
Tgt Ion: 75 Resp: 335097

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2

39 45.7 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

250000

200000

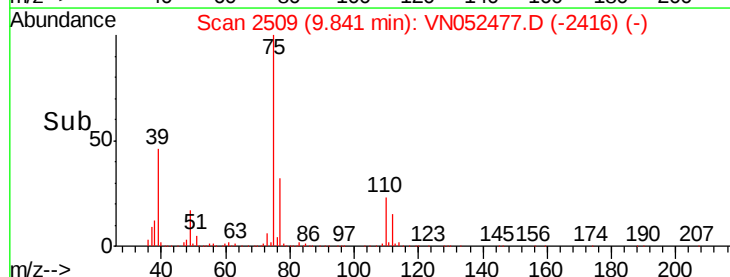
150000

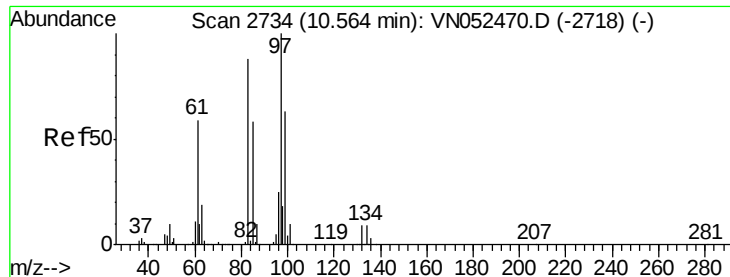
100000

50000

0

Time-->

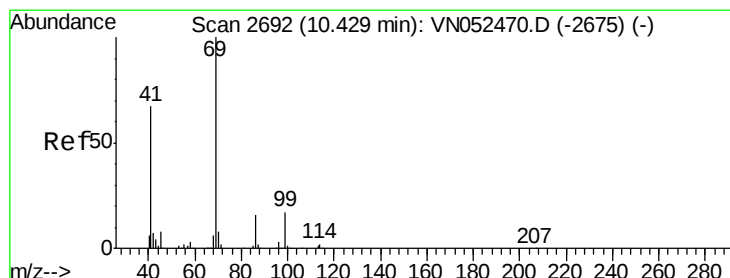
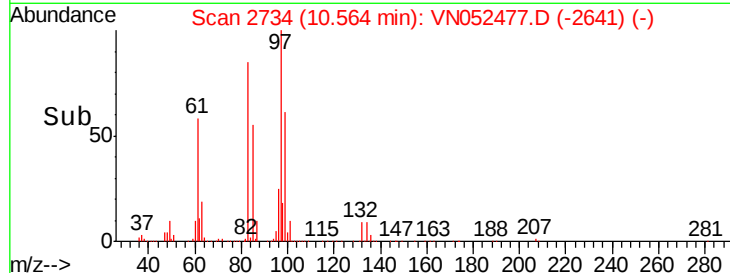
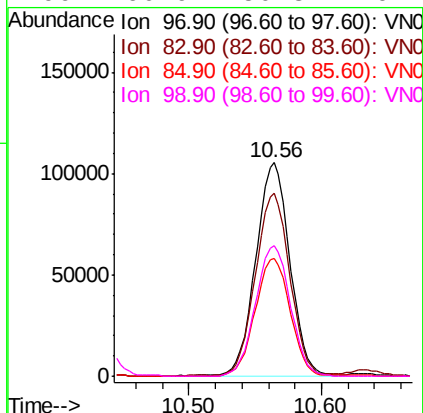
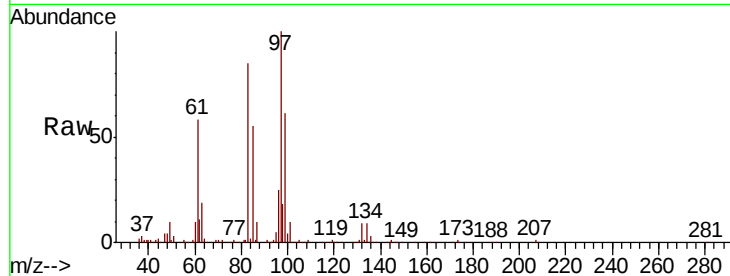




#55
 1,1,2-Trichloroethane
 Concen: 19.330 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

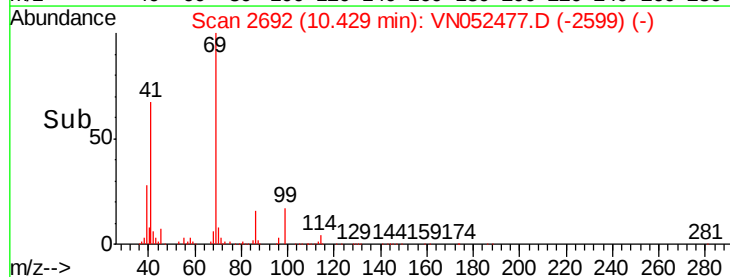
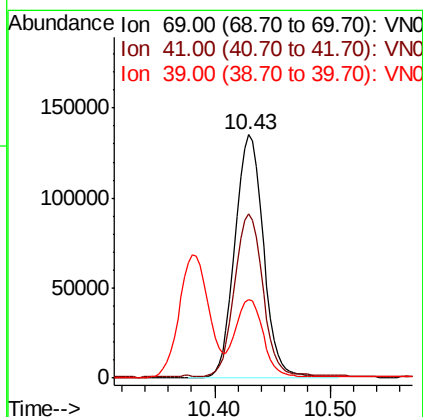
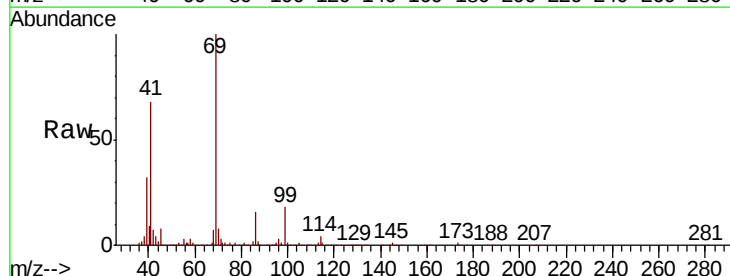
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS01

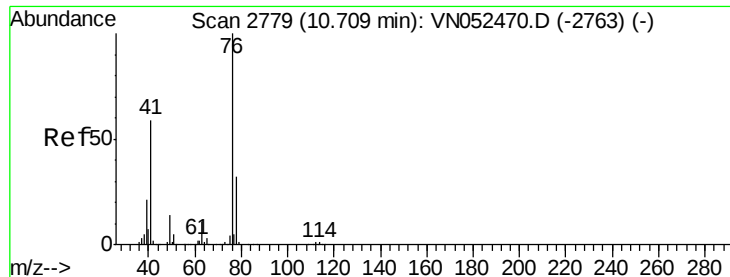
Tot Ion: 97 Resp: 186962
 Ion Ratio Lower Upper
 97 100
 83 85.3 70.7 106.1
 85 55.1 46.1 69.1
 99 60.9 50.8 76.2



#56
 Ethyl methacrylate
 Concen: 18.864 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

Tgt Ion: 69 Resp: 229559
 Ion Ratio Lower Upper
 69 100
 41 67.1 52.6 79.0
 39 32.1 25.9 38.9





#57

1,3-Dichloropropane

Concen: 19.296 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

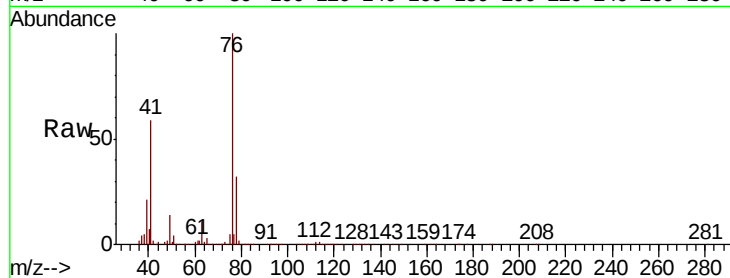
VN1127MBS01

Tot Ion: 76 Resp: 329551

Ion Ratio Lower Upper

76 100

78 32.1 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

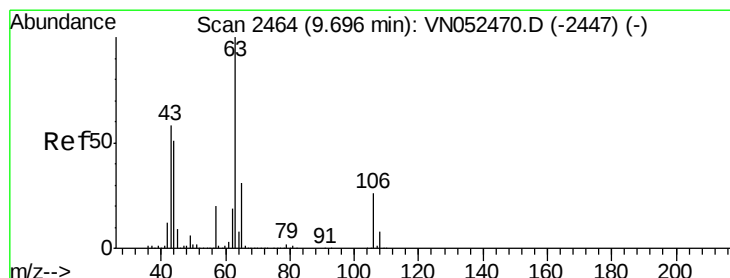
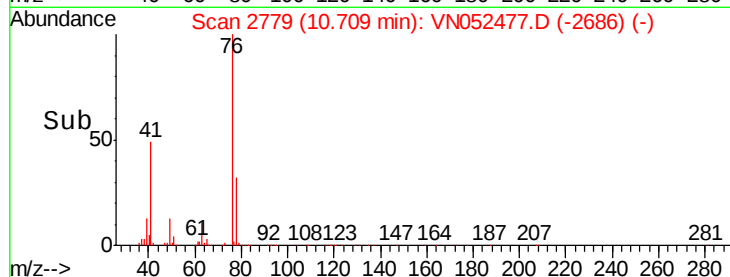
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 92.083 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052477.D

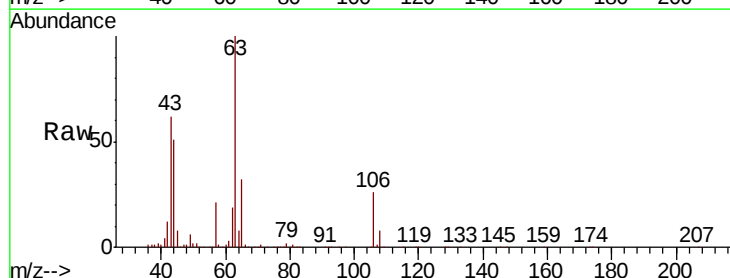
Acq: 27 Nov 2018 14:33

Tgt Ion: 63 Resp: 646287

Ion Ratio Lower Upper

63 100

106 26.2 20.6 30.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

400000

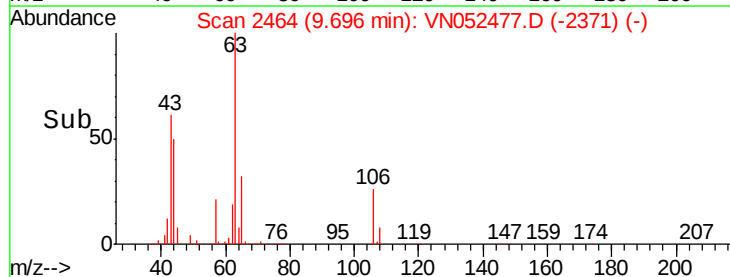
300000

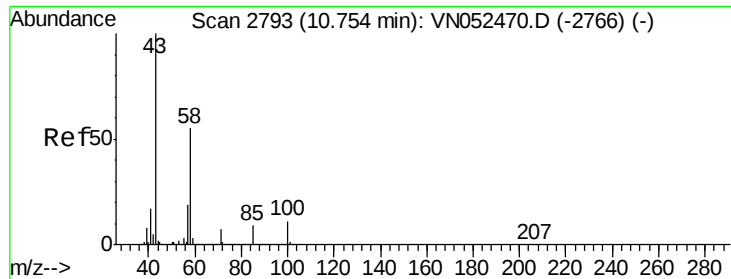
200000

100000

0

Time--> 9.60 9.65 9.70 9.75 9.80

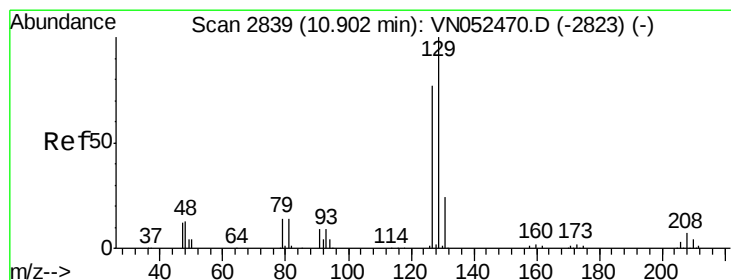
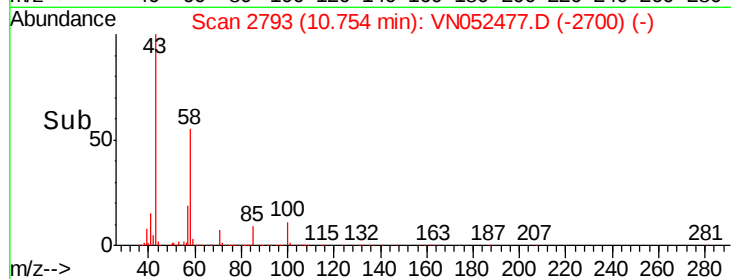
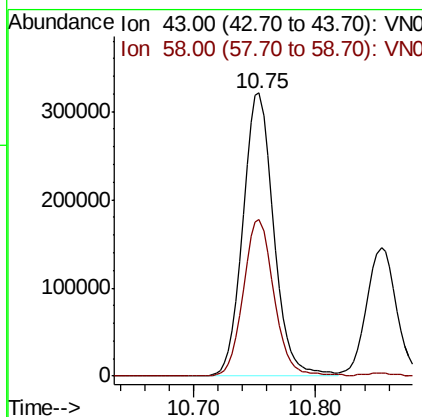
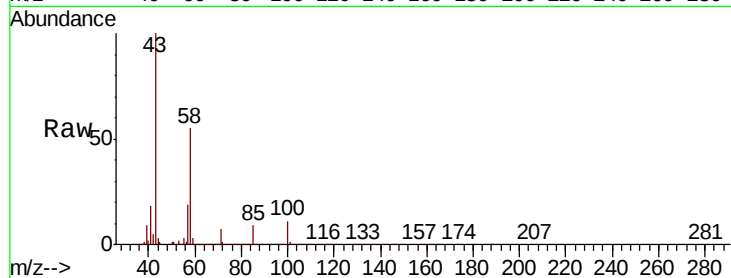




#59
2-Hexanone
Concen: 91.569 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

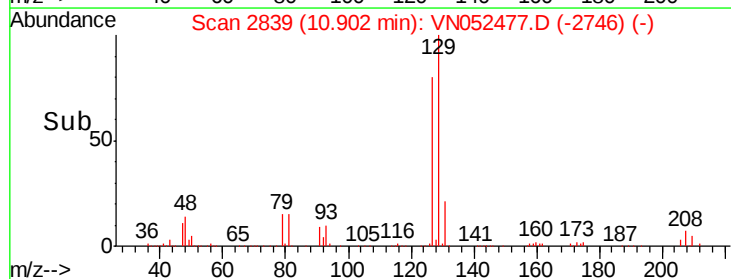
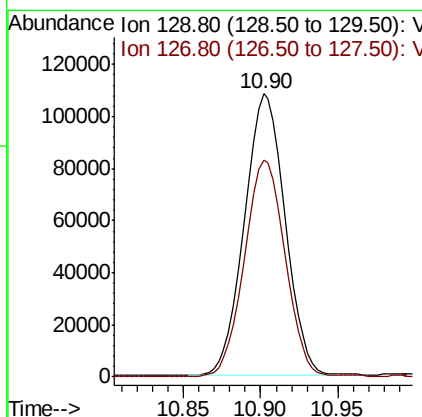
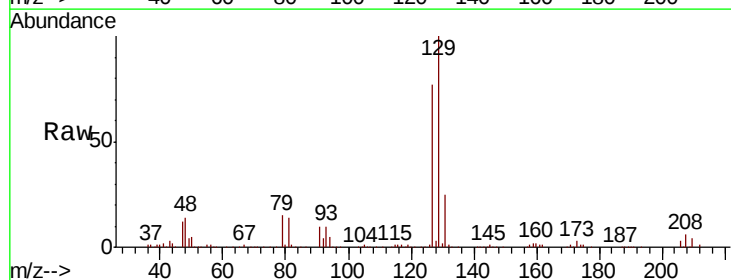
Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS01

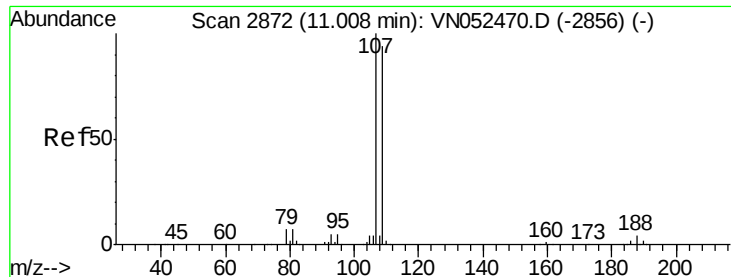
Tot Ion: 43 Resp: 553044
Ion Ratio Lower Upper
43 100
58 55.4 27.4 82.0



#60
Dibromochloromethane
Concen: 18.923 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

Tgt Ion: 129 Resp: 198791
Ion Ratio Lower Upper
129 100
127 76.5 38.9 116.6

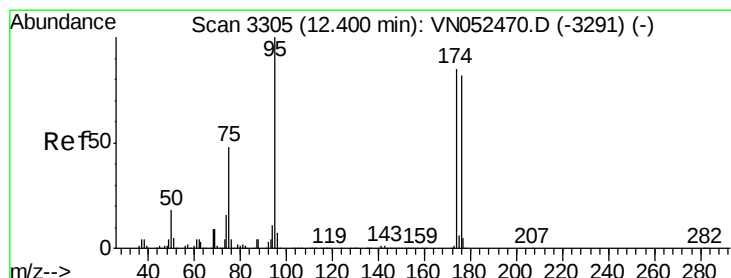
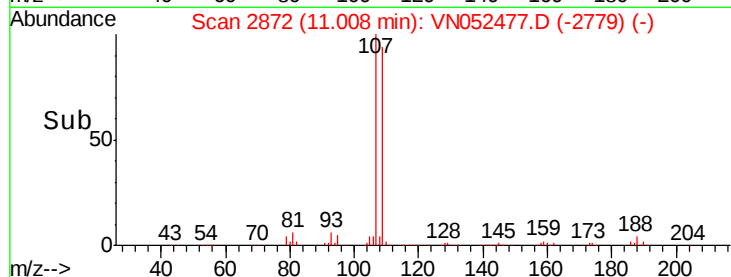
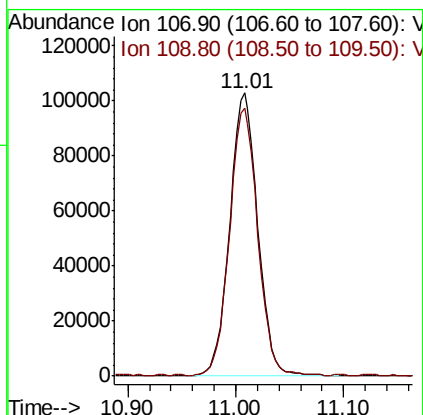
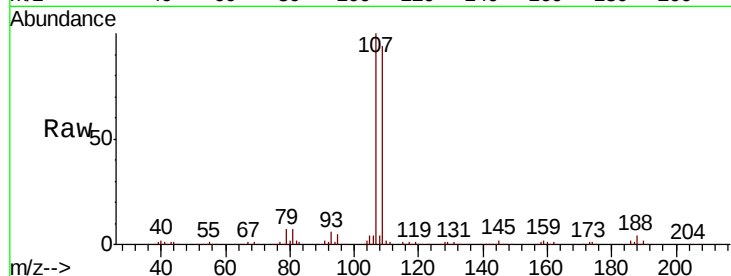




#61
 1,2-Dibromoethane
 Concen: 19.104 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

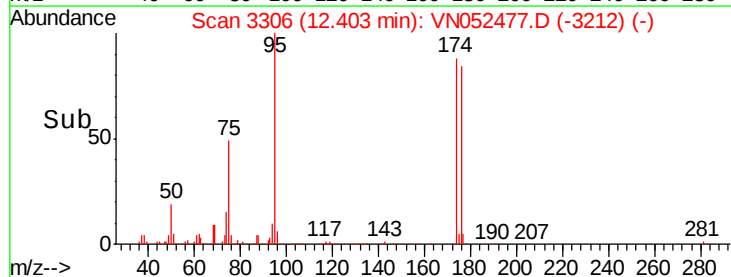
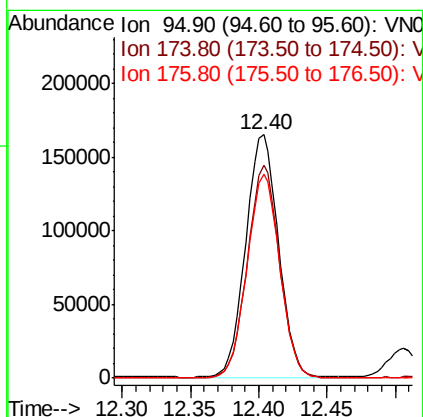
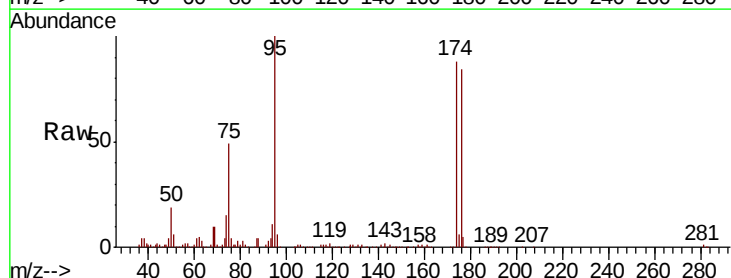
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS01

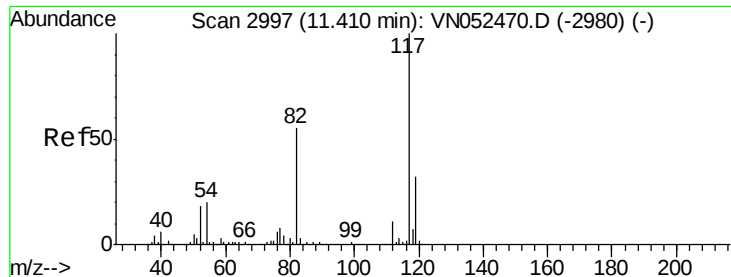
Tot Ion:107 Resp: 183523
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 19.104 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

Tgt Ion: 95 Resp: 275657
 Ion Ratio Lower Upper
 95 100
 174 85.4 0.0 173.0
 176 83.9 0.0 166.2

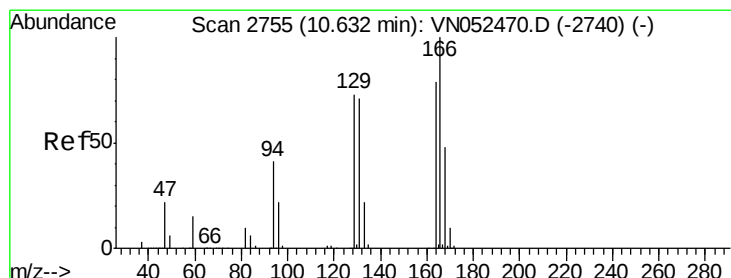
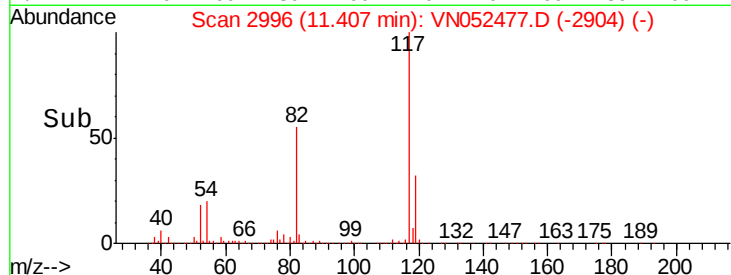
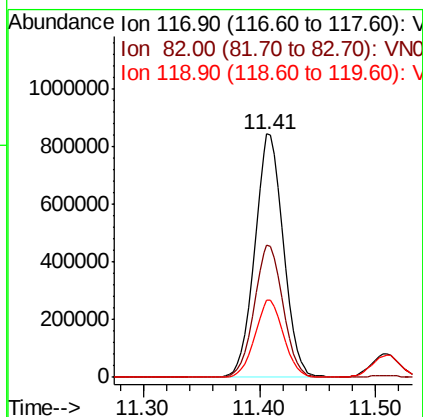
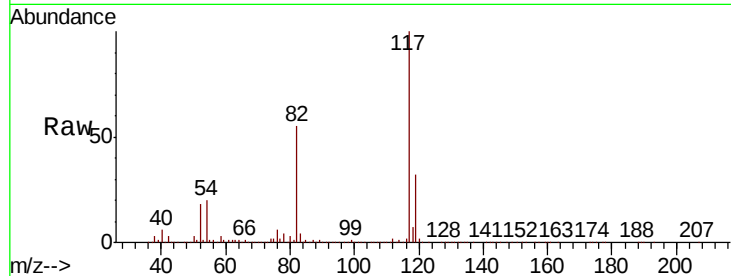




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

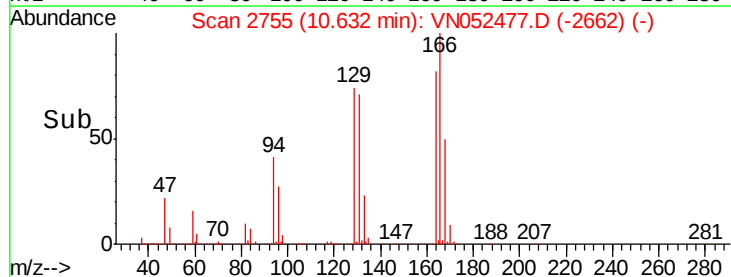
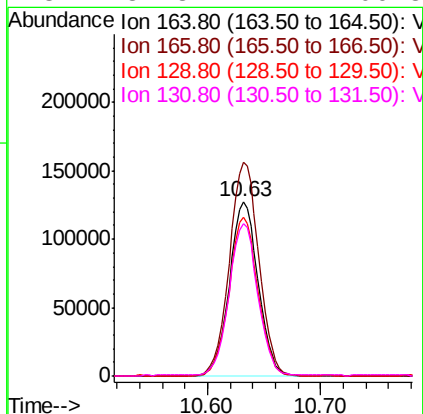
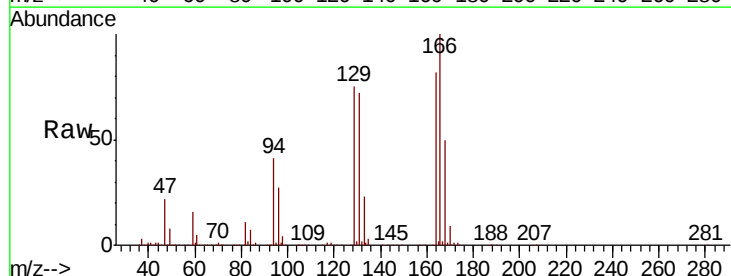
Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS01

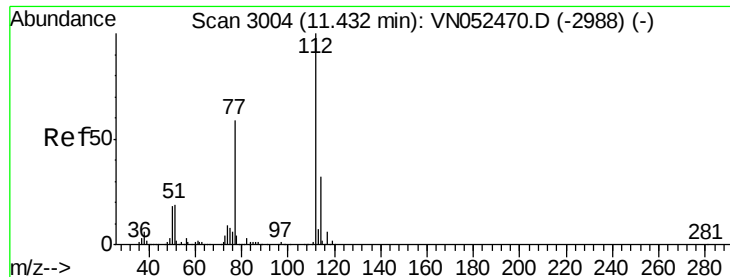
Tot Ion:117 Resp: 1450648
Ion Ratio Lower Upper
117 100
82 54.5 43.6 65.4
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 19.921 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

Tgt Ion:164 Resp: 224052
Ion Ratio Lower Upper
164 100
166 122.6 101.0 151.4
129 91.2 73.8 110.6
131 87.3 71.2 106.8

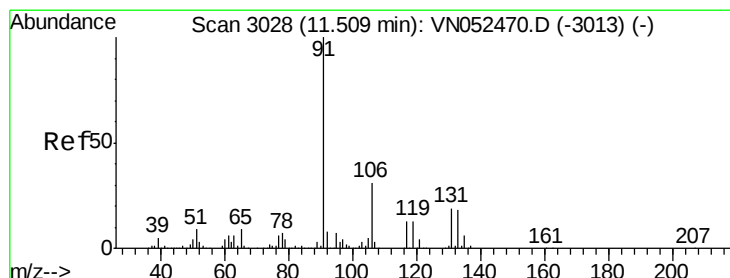
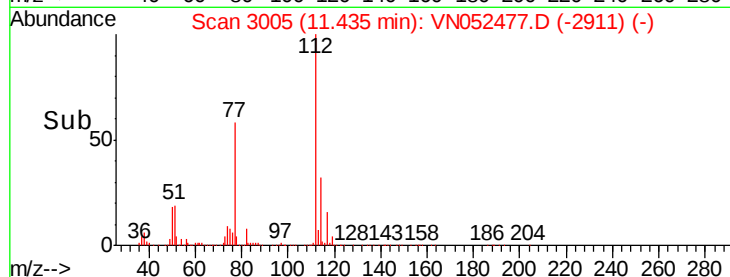
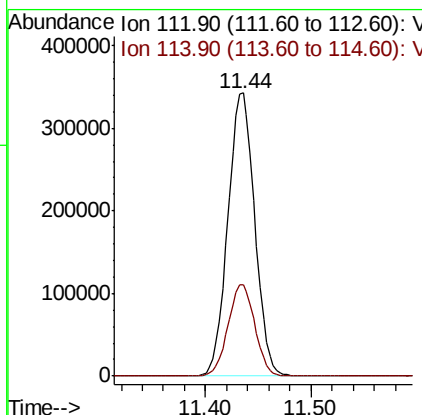
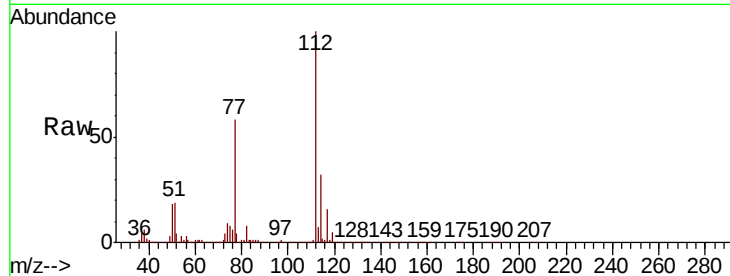




#65
Chlorobenzene
Concen: 20.152 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

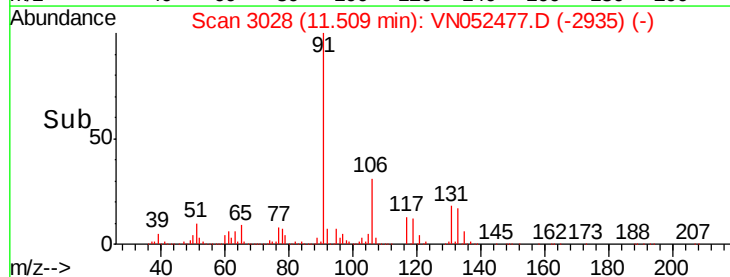
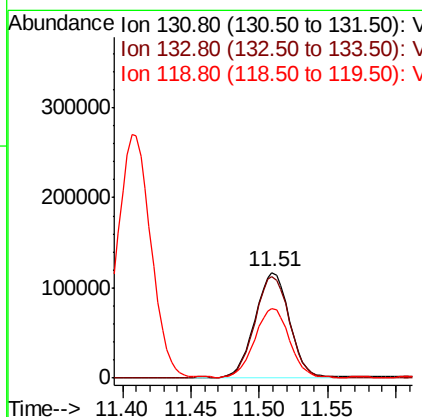
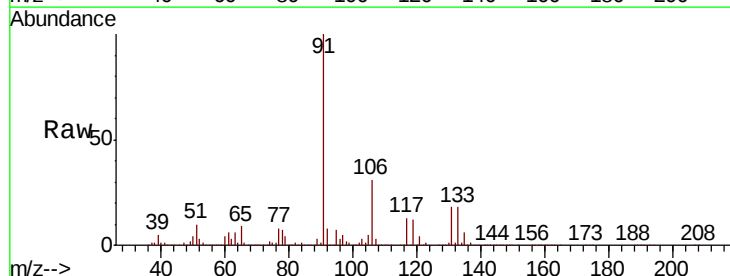
Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS01

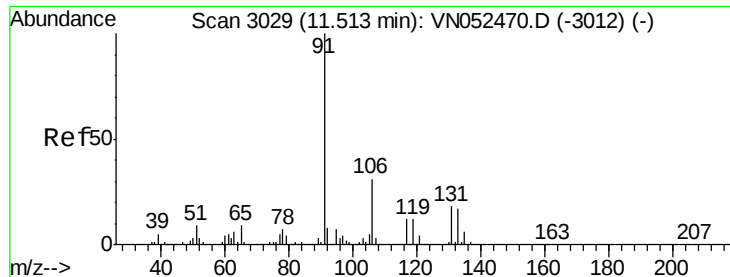
Tot Ion:112 Resp: 602789
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.646 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

Tgt Ion:131 Resp: 204328
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.8
119 65.5 33.2 99.6

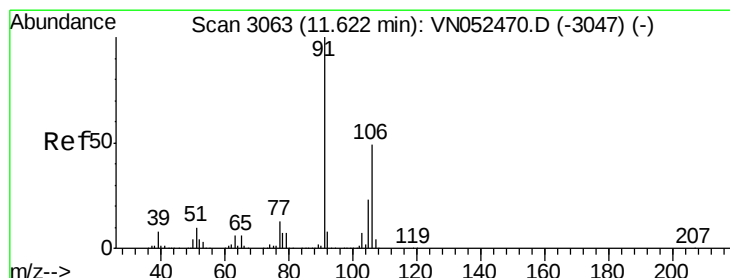
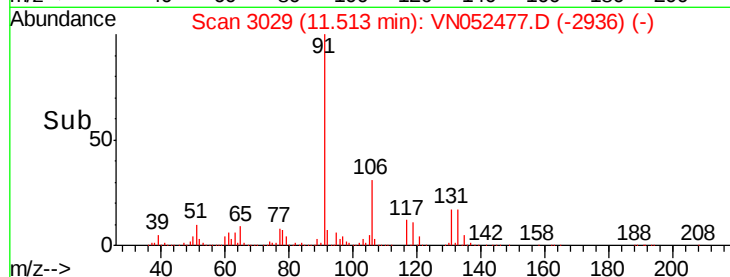
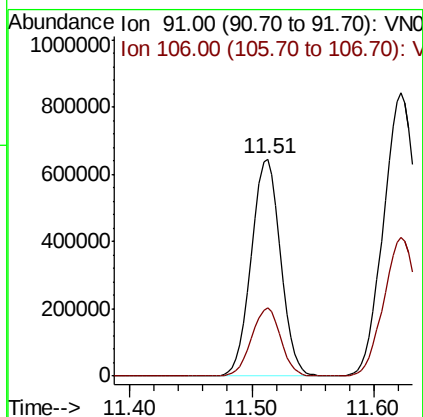
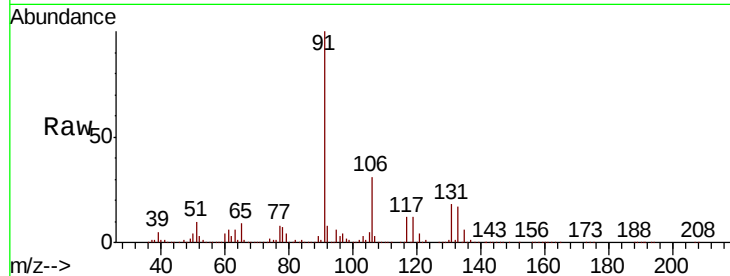




#67
Ethyl Benzene
Concen: 20.239 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

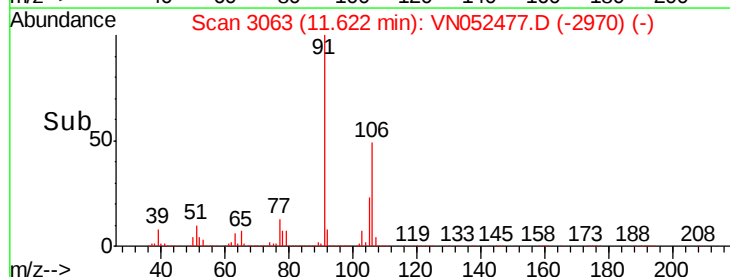
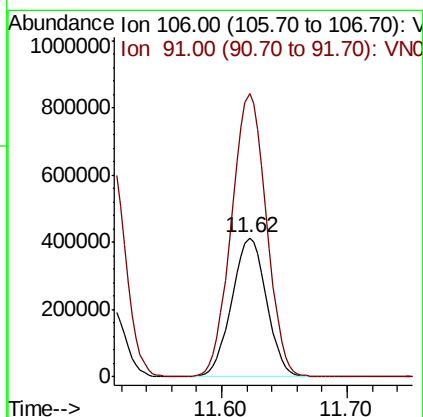
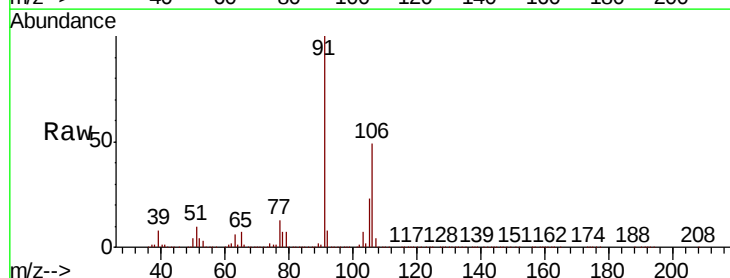
Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS01

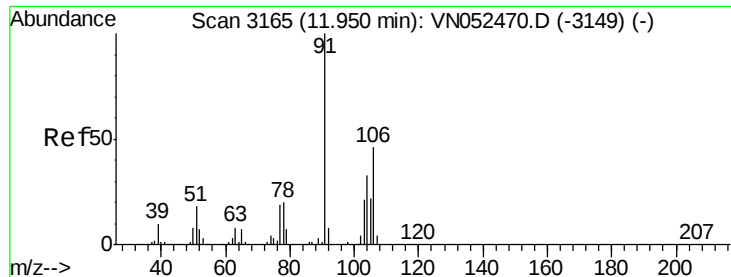
Tot Ion: 91 Resp: 1060139
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3



#68
m/p-Xylenes
Concen: 40.487 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

Tgt Ion: 106 Resp: 789520
Ion Ratio Lower Upper
106 100
91 205.6 163.2 244.8

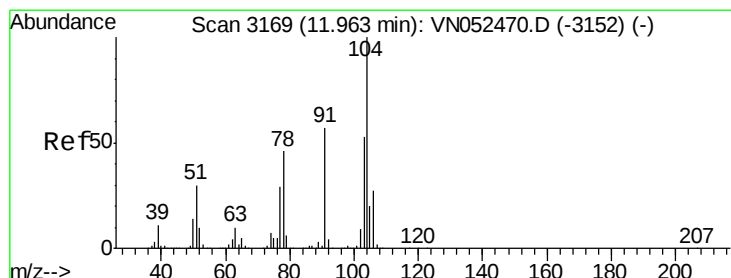
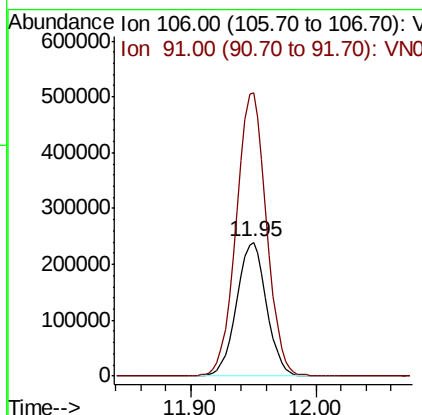
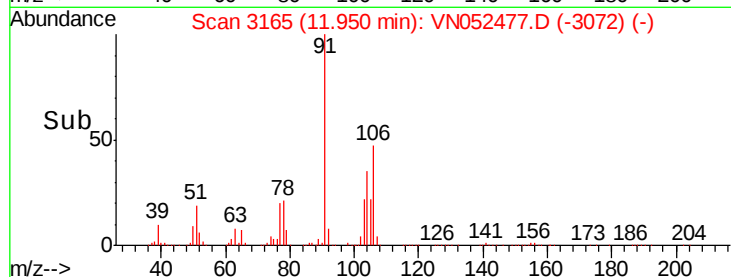
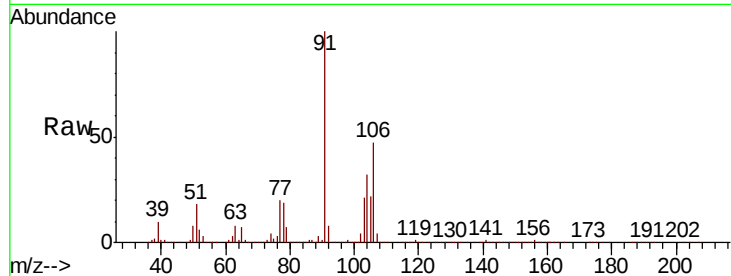




#69
o-Xylene
Concen: 20.788 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

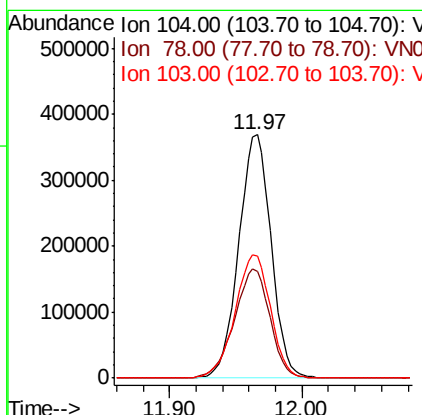
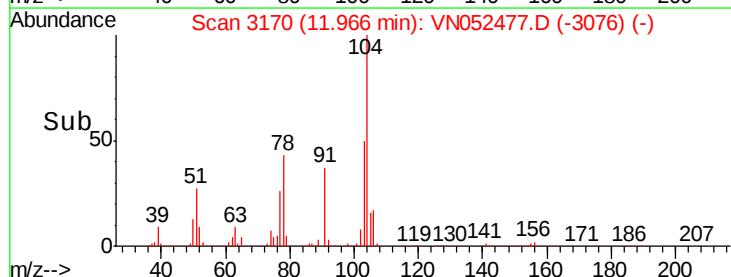
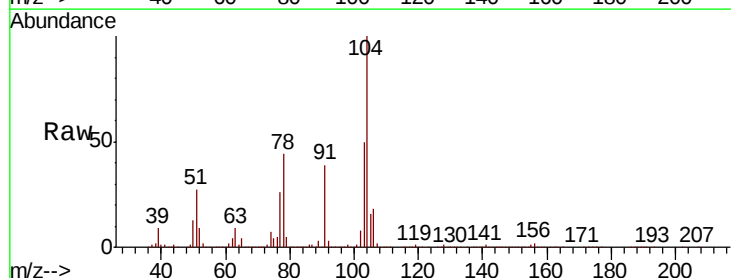
Instrument :
MSVOA_N
ClientSampled :
VN1127MBS01

Tot Ion:106 Resp: 393653
Ion Ratio Lower Upper
106 100
91 213.2 107.7 323.1



#70
Styrene
Concen: 20.624 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

Tgt Ion:104 Resp: 622053
Ion Ratio Lower Upper
104 100
78 49.3 39.4 59.2
103 55.5 44.9 67.3

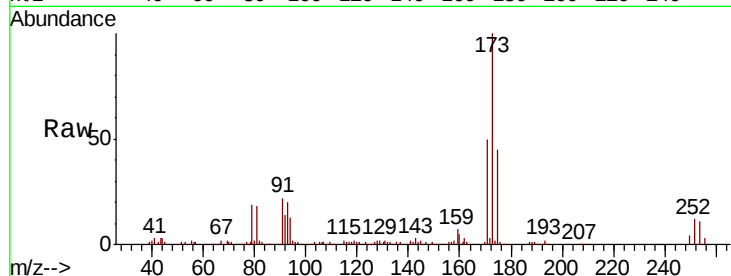




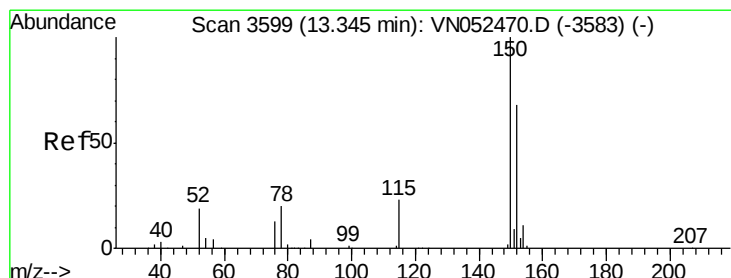
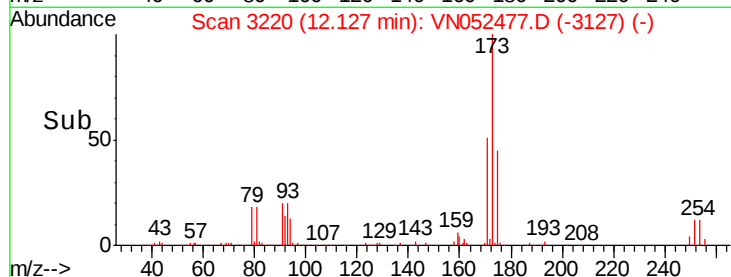
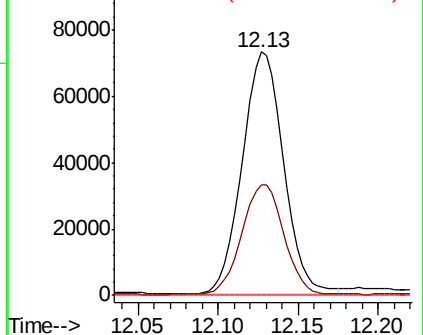
#71
Bromoform
Concen: 18.611 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS01

Tot Ion:173 Resp: 128164
Ion Ratio Lower Upper
173 100
175 45.8 24.4 73.2
254 0.0 0.1 0.1#

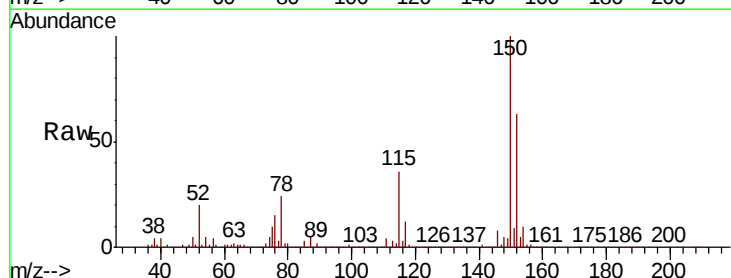


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

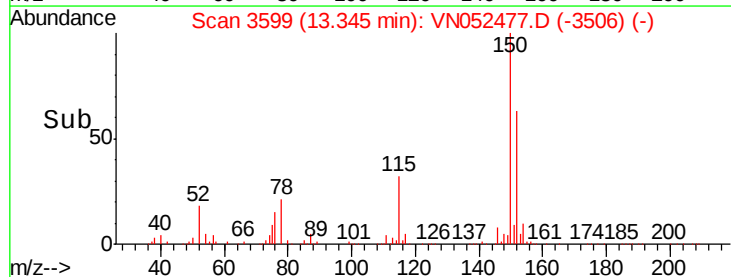
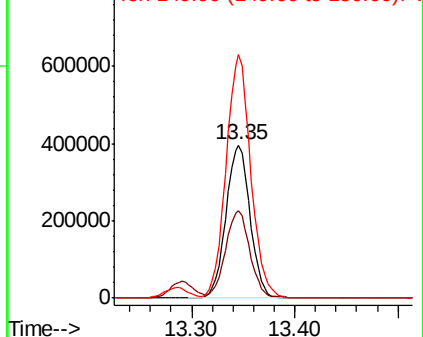


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

Tgt Ion:152 Resp: 643257
Ion Ratio Lower Upper
152 100
115 57.4 28.4 85.2
150 163.3 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: 20.565 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

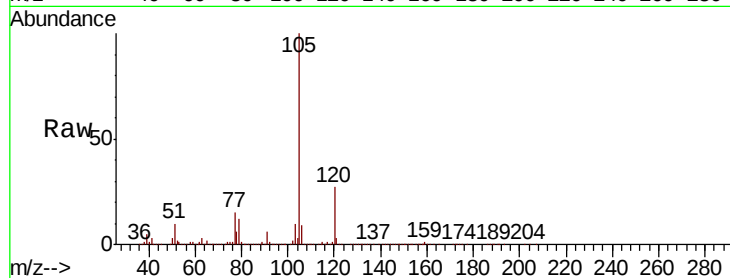
VN1127MBS01

Tot Ion:105 Resp: 1037875

Ion Ratio Lower Upper

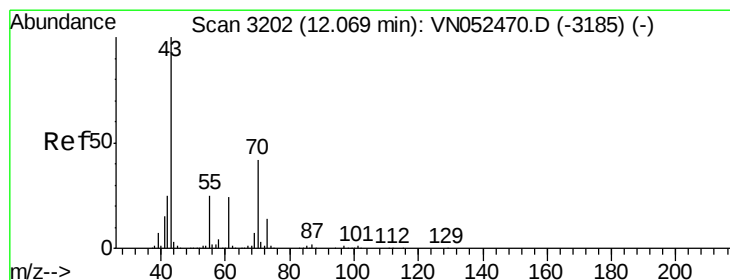
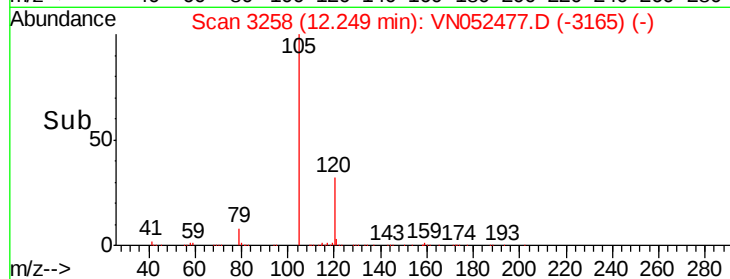
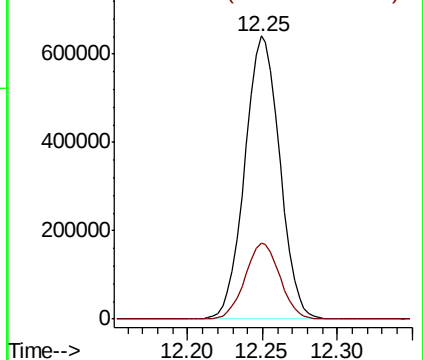
105 100

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: 19.050 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Tgt Ion: 43 Resp: 242892

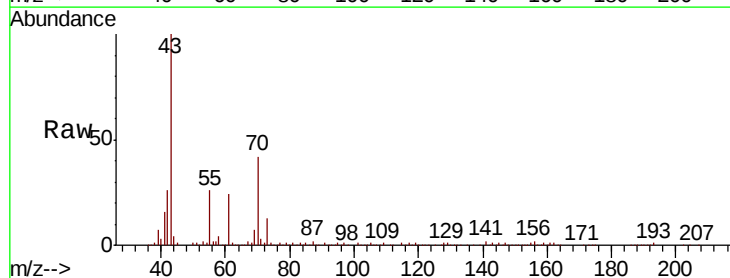
Ion Ratio Lower Upper

43 100

70 43.1 33.8 50.8

55 25.8 20.0 30.0

61 24.4 19.7 29.5

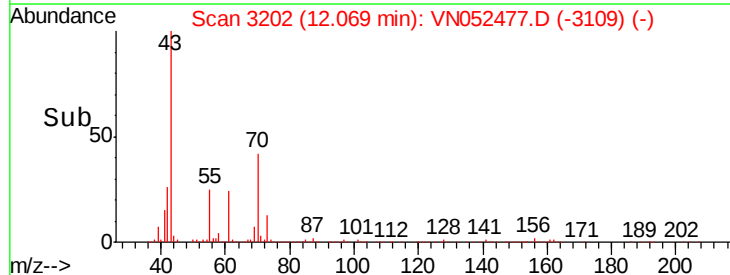
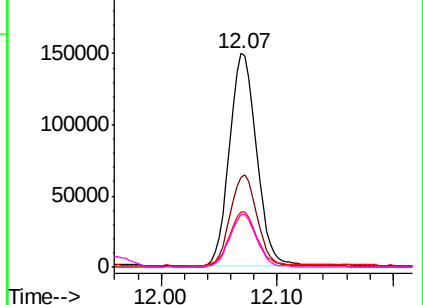


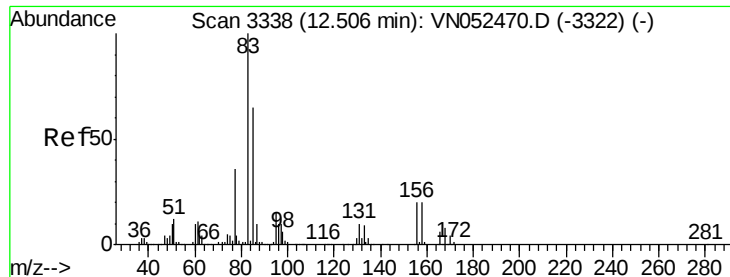
Abundance Ion 43.00 (42.70 to 43.70): V

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: 18.641 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS01

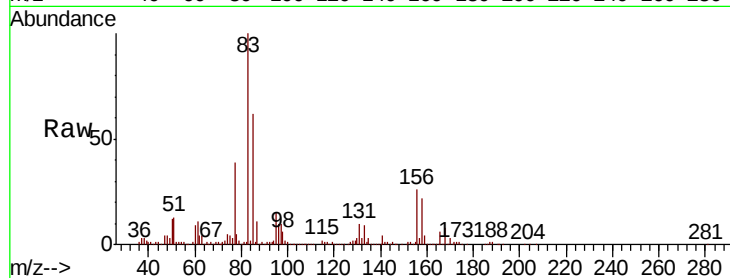
Tot Ion: 83 Resp: 214000

Ion Ratio Lower Upper

83 100

131 10.8 5.0 15.0

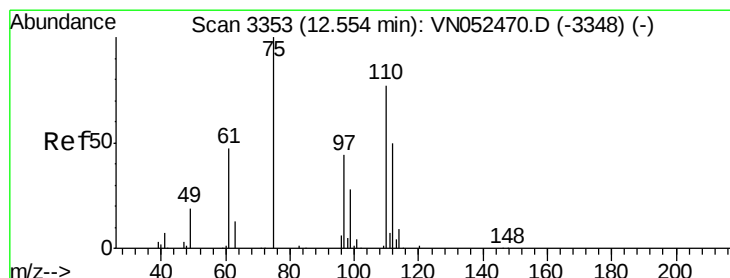
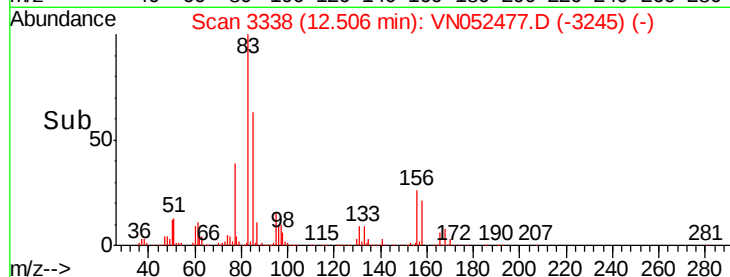
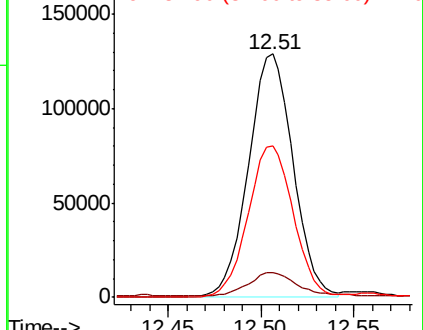
85 63.5 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 26.726 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052477.D

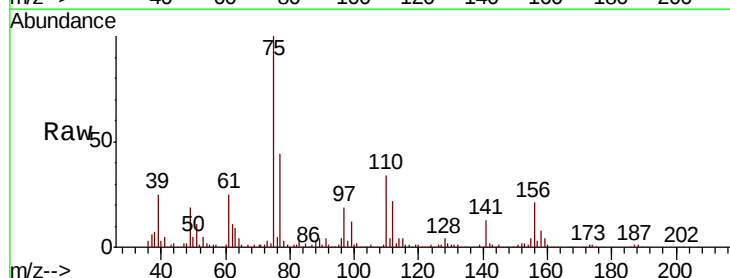
Acq: 27 Nov 2018 14:33

Tgt Ion: 75 Resp: 265102

Ion Ratio Lower Upper

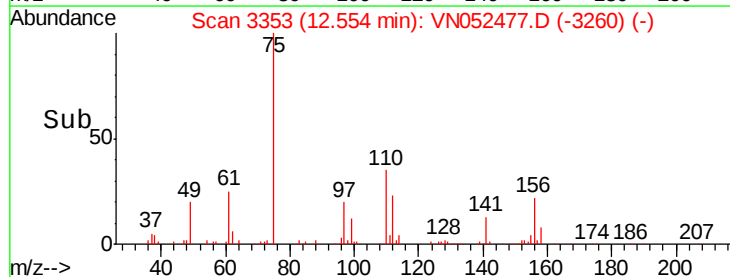
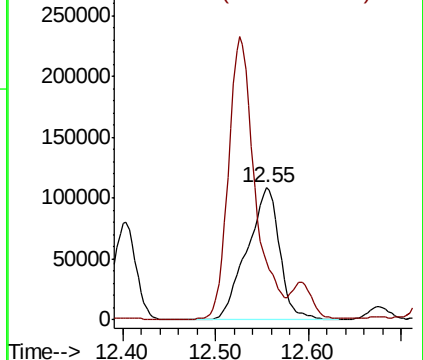
75 100

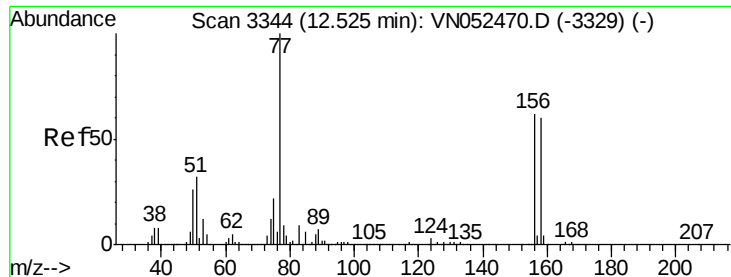
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 28.484 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS01

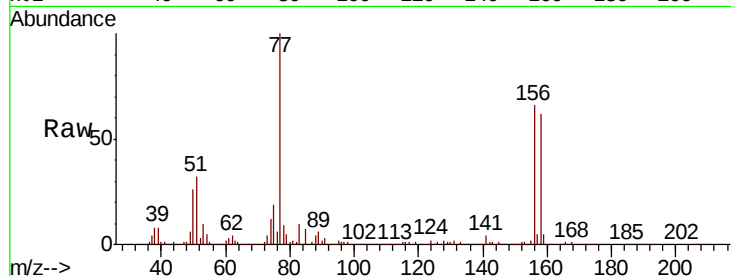
Tot Ion:156 Resp: 355320

Ion Ratio Lower Upper

156 100

77 129.7 93.5 280.4

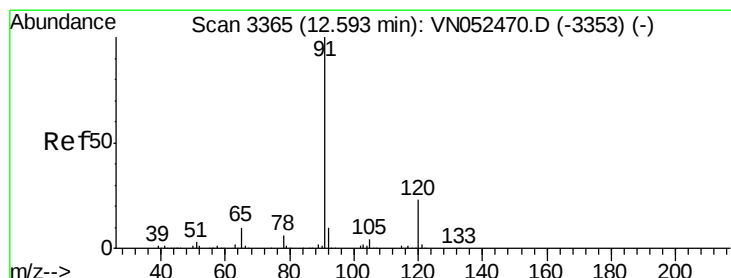
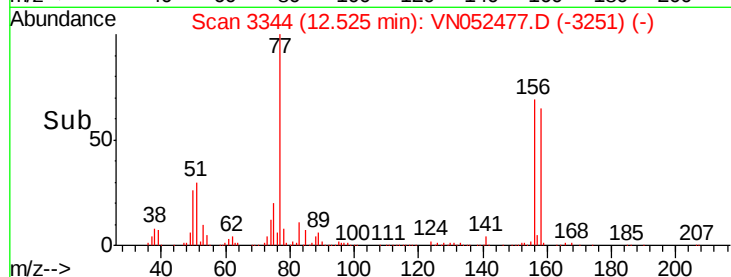
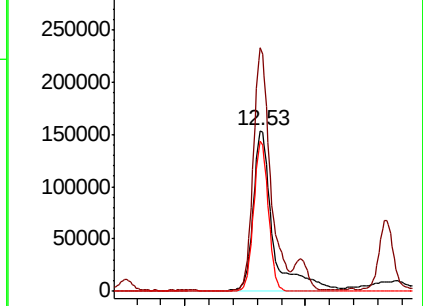
158 69.1 48.3 144.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.711 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052477.D

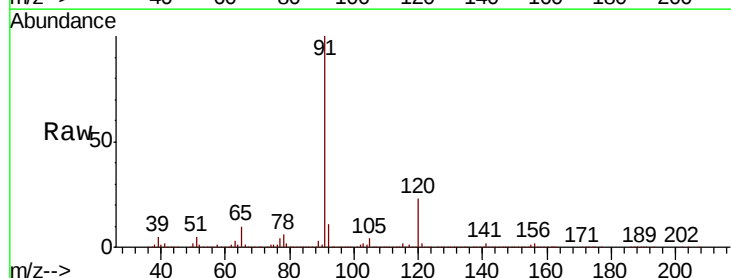
Acq: 27 Nov 2018 14:33

Tgt Ion: 91 Resp: 1187415

Ion Ratio Lower Upper

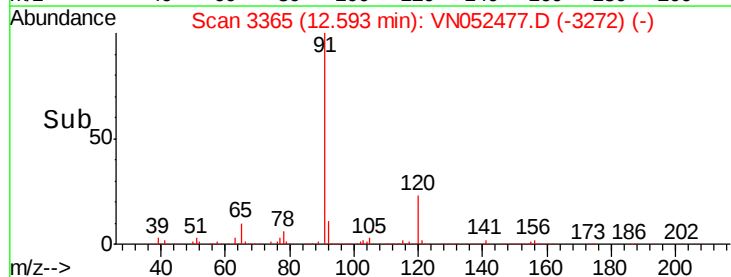
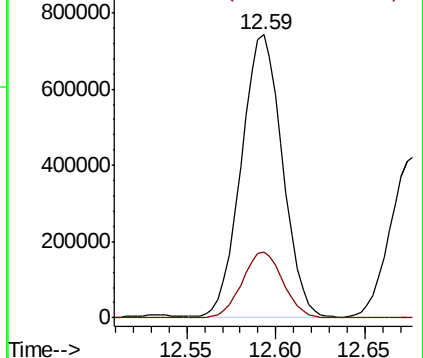
91 100

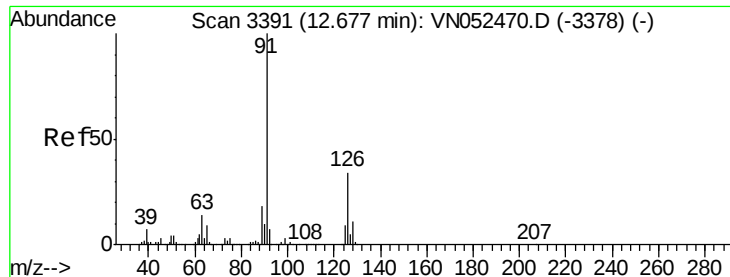
120 23.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

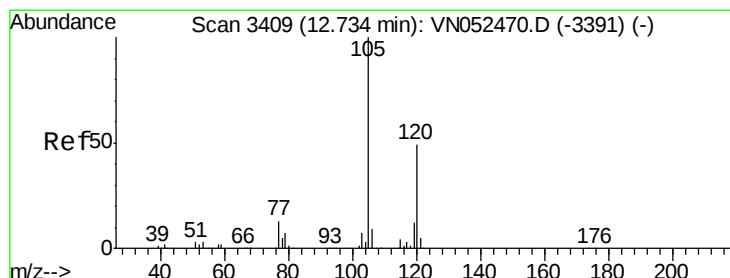
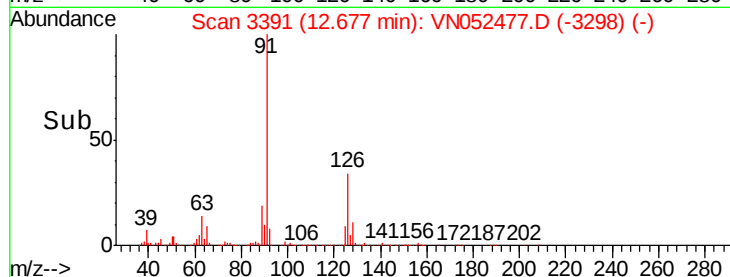
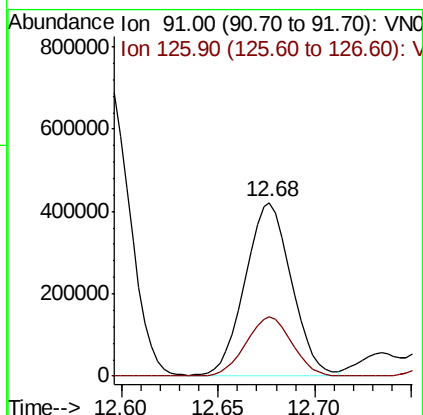
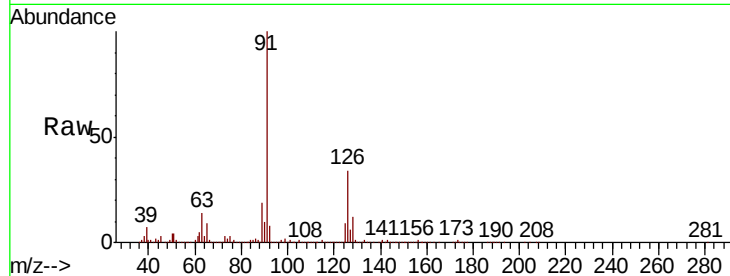




#79
 2-Chlorotoluene
 Concen: 20.357 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

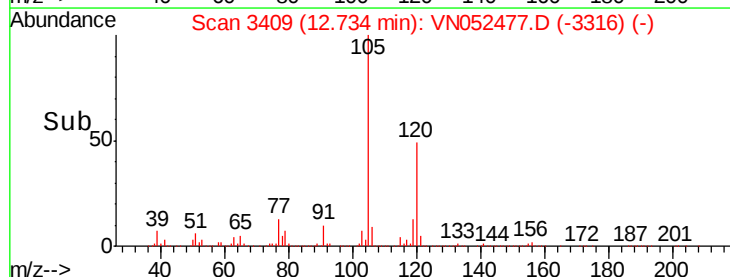
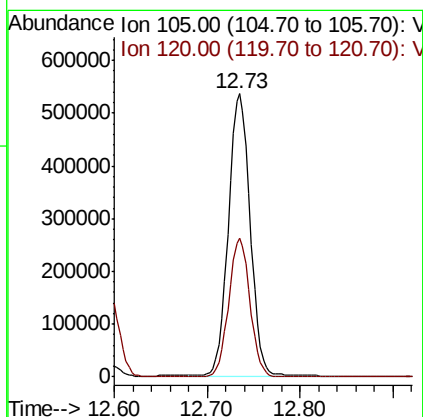
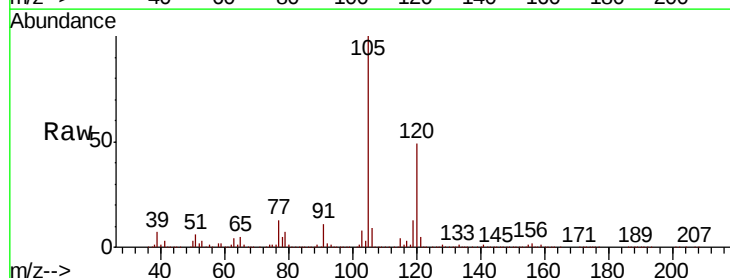
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS01

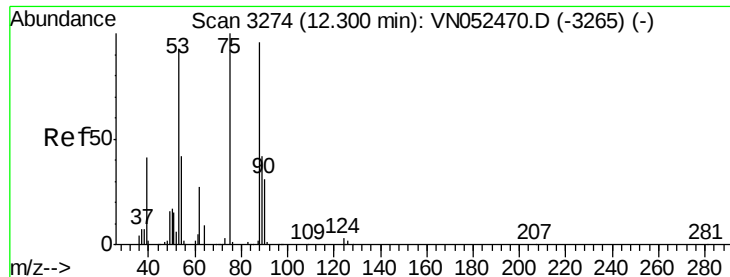
Tot Ion: 91 Resp: 695018
 Ion Ratio Lower Upper
 91 100
 126 34.2 17.2 51.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.703 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

Tgt Ion: 105 Resp: 873545
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.234 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampled :

VN1127MBS01

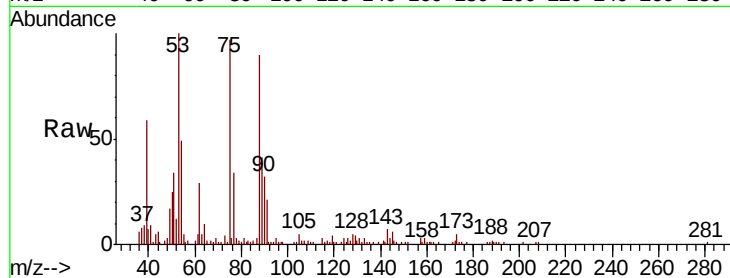
Tot Ion: 75 Resp: 51189

Ion Ratio Lower Upper

75 100

53 102.1 77.4 116.0

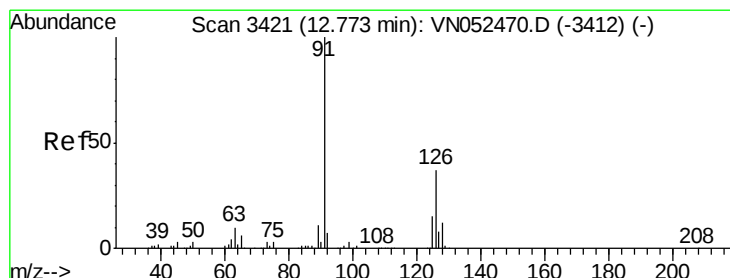
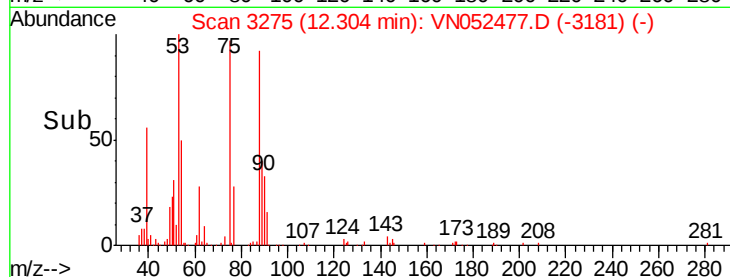
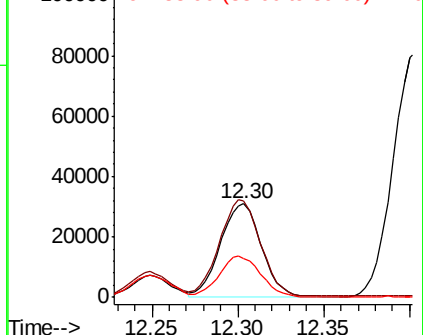
89 43.8 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.143 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052477.D

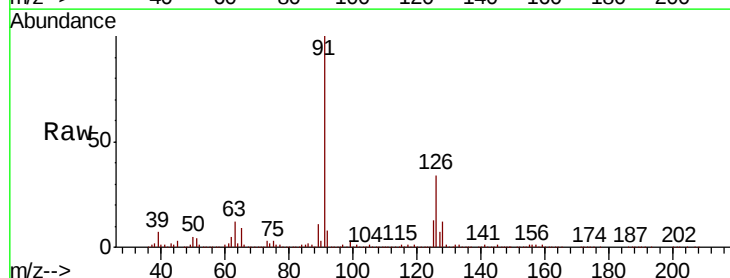
Acq: 27 Nov 2018 14:33

Tgt Ion: 91 Resp: 693114

Ion Ratio Lower Upper

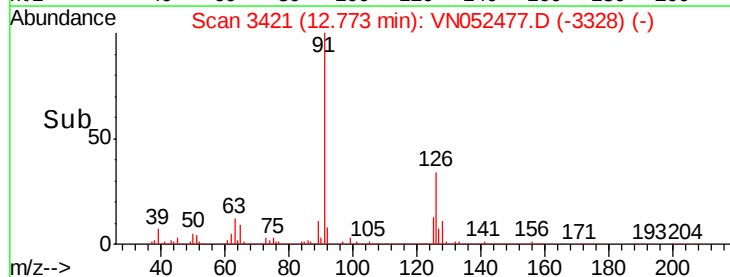
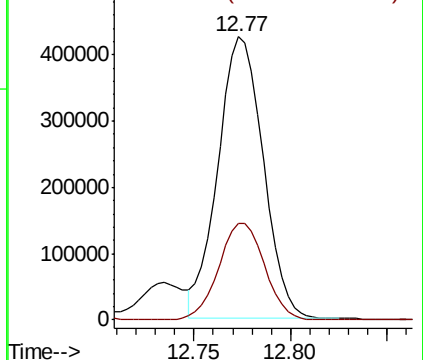
91 100

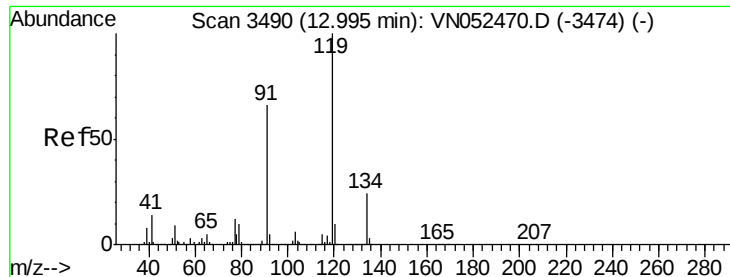
126 34.9 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.629 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS01

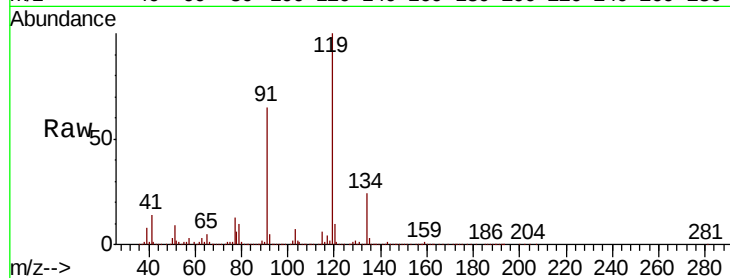
Tot Ion:119 Resp: 740243

Ion Ratio Lower Upper

119 100

91 64.5 32.3 96.9

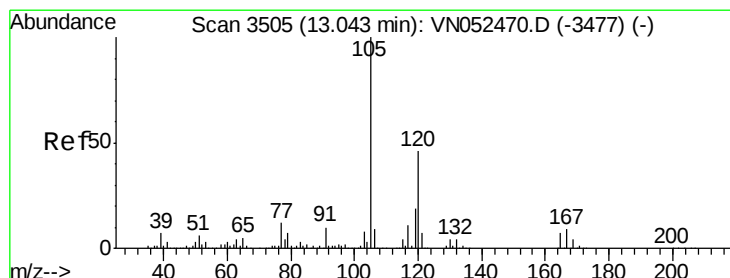
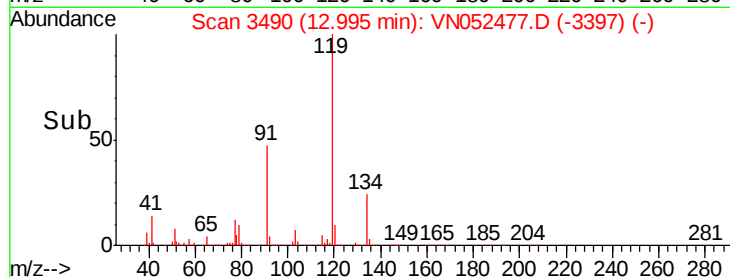
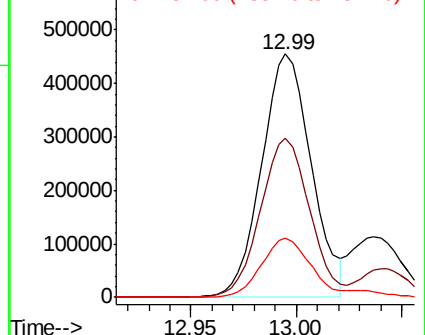
134 24.2 13.0 38.9



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: 21.054 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN052477.D

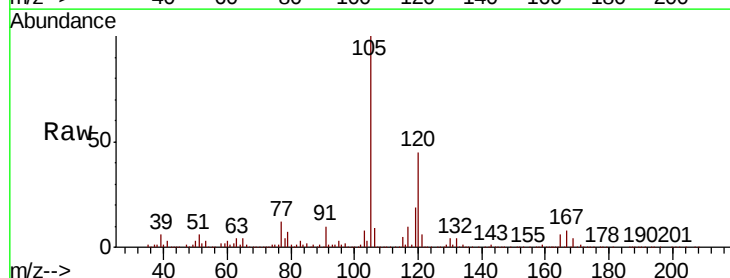
Acq: 27 Nov 2018 14:33

Tgt Ion:105 Resp: 849254

Ion Ratio Lower Upper

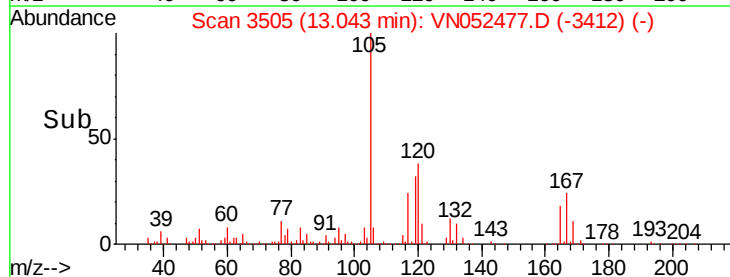
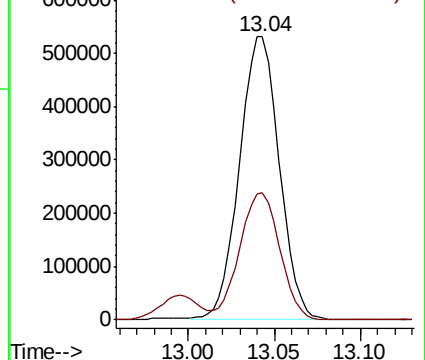
105 100

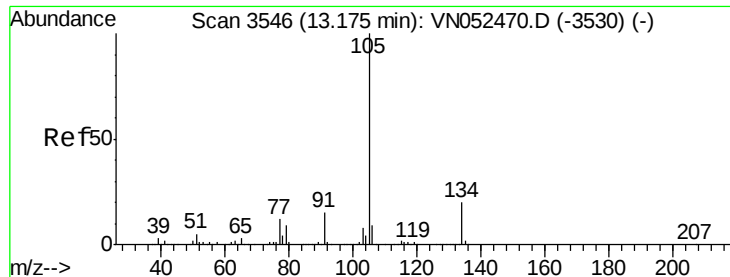
120 45.4 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

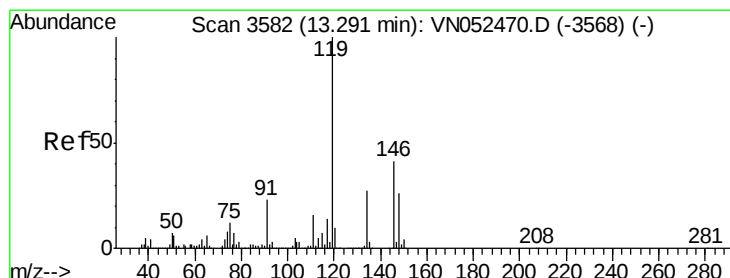
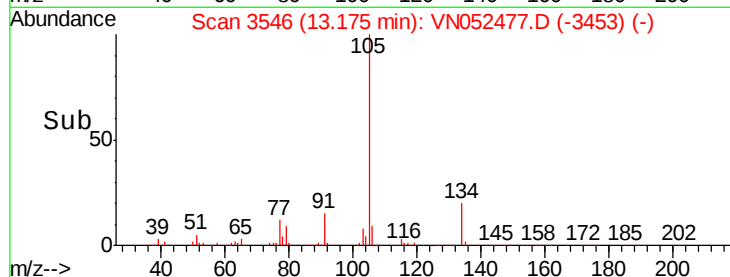
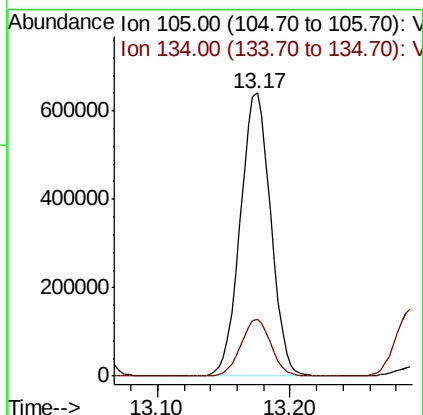
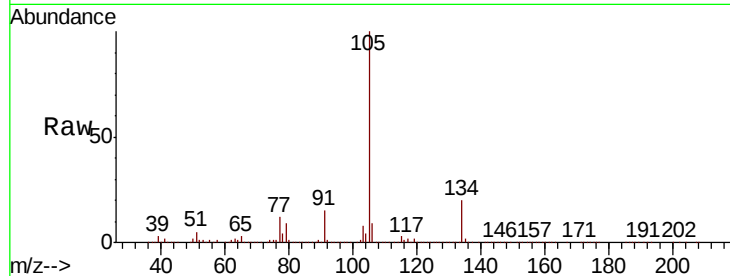




#85
 sec-Butylbenzene
 Concen: 20.750 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

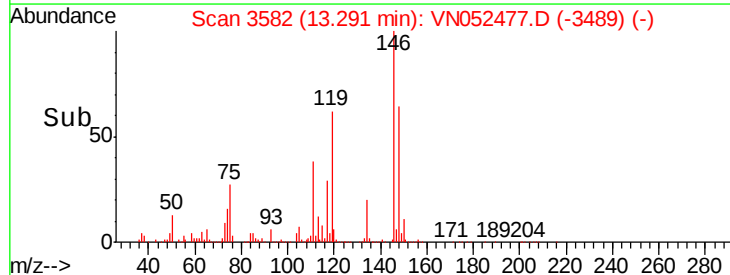
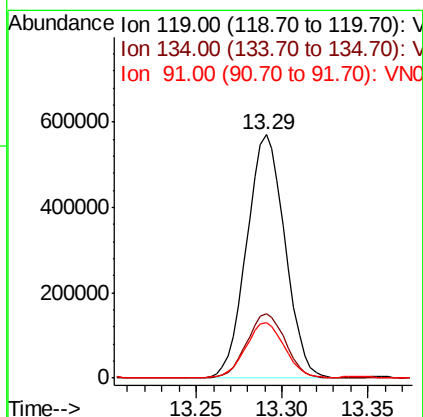
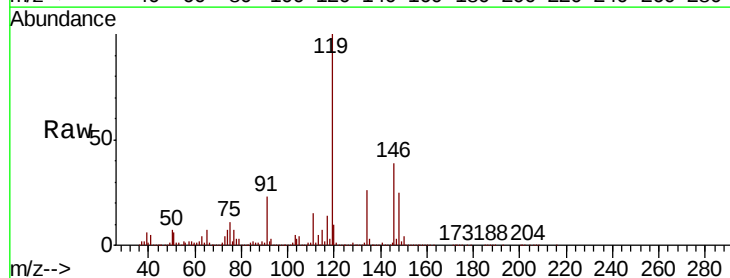
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS01

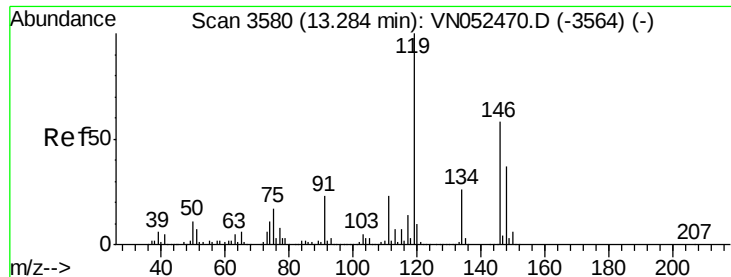
Tot Ion:105 Resp: 1014147
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 21.079 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

Tgt Ion:119 Resp: 877480
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.2
 91 22.5 11.4 34.2

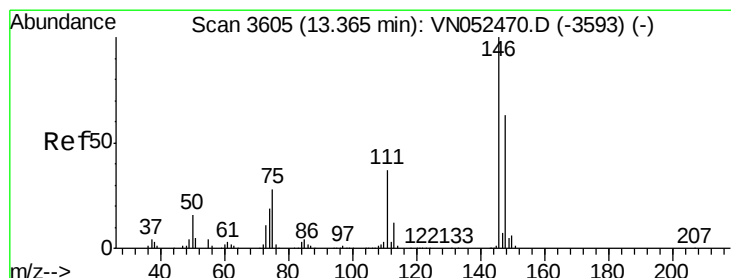
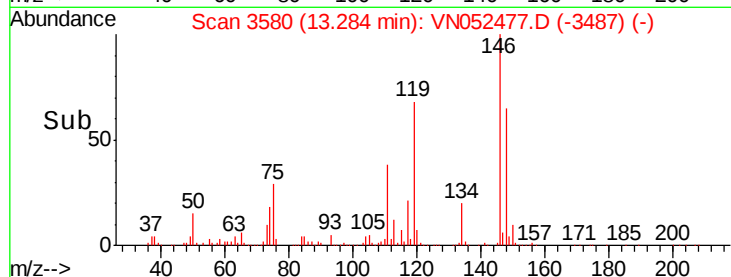
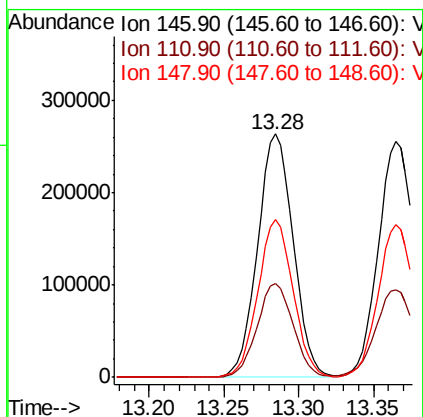
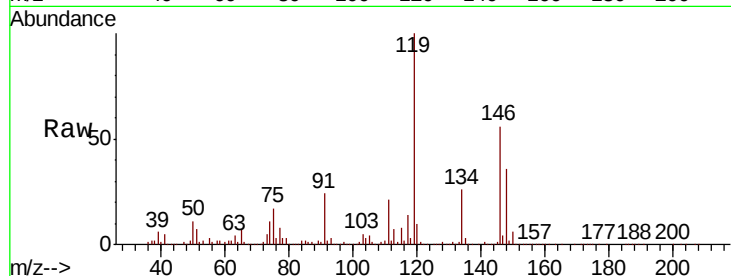




#87
 1,3-Dichlorobenzene
 Concen: 19.884 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

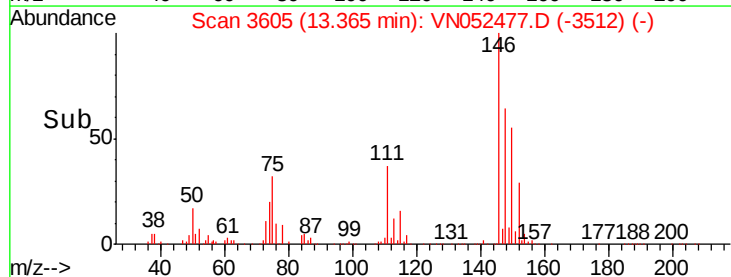
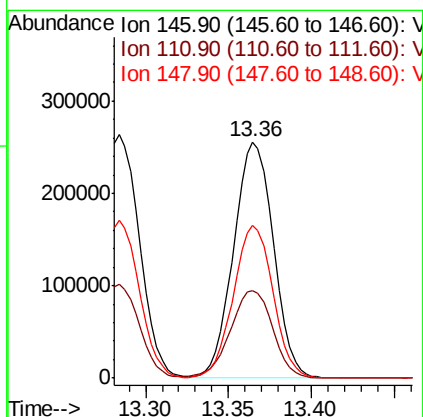
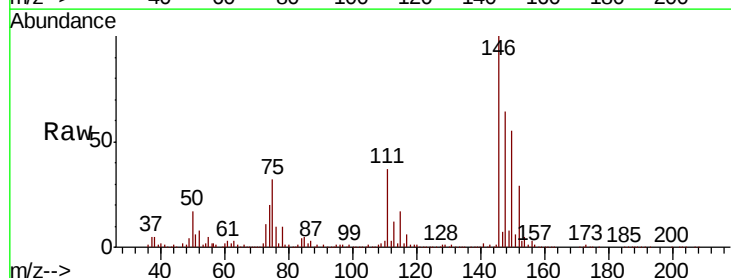
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS01

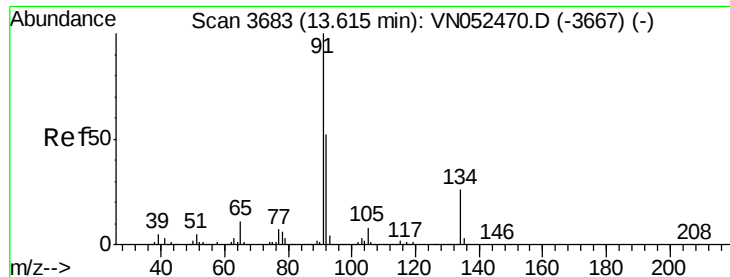
Tot Ion:146 Resp: 433868
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.4 58.4
 148 64.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.812 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

Tgt Ion:146 Resp: 425820
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.6 56.0
 148 64.3 31.9 95.9

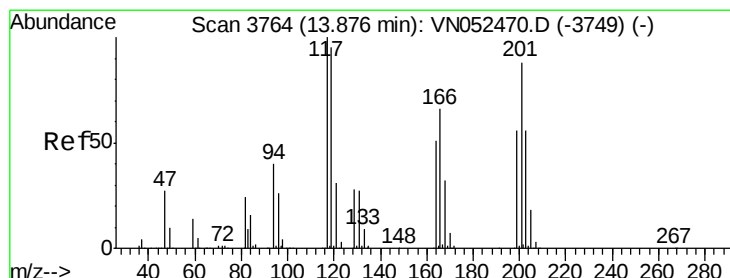
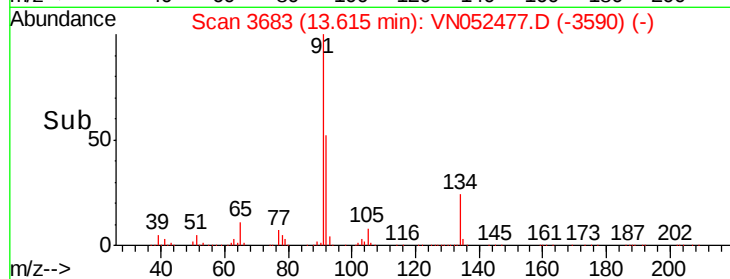
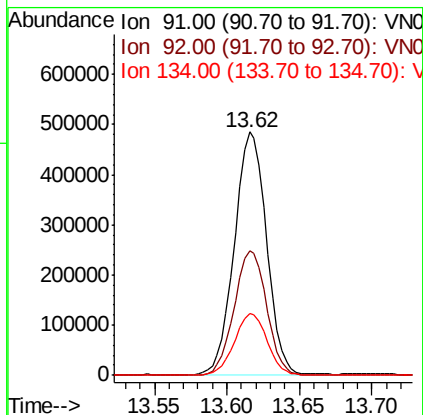
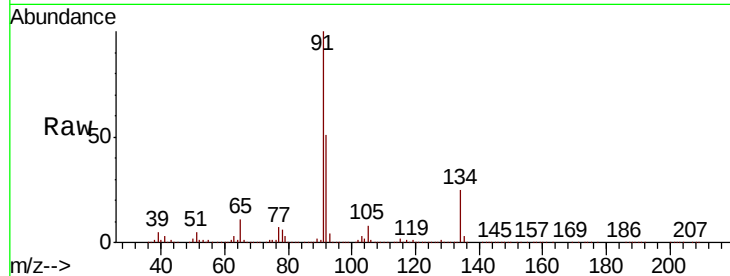




#89
n-Butylbenzene
Concen: 21.410 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

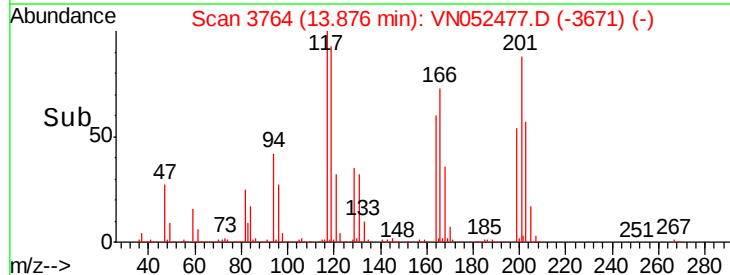
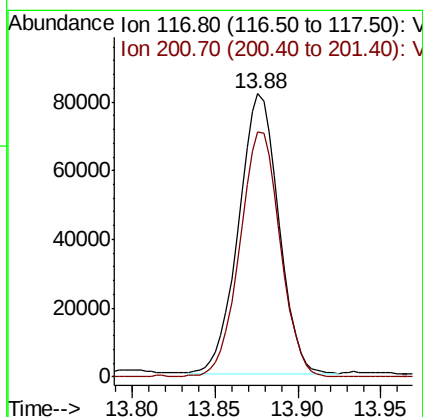
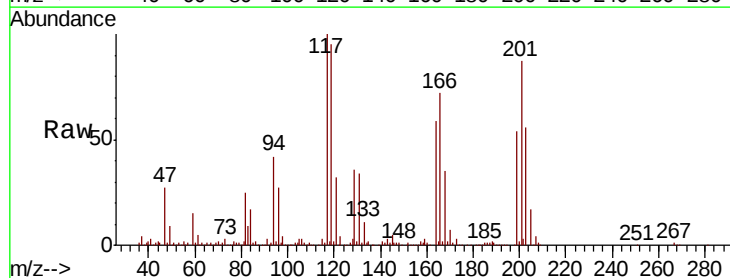
Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS01

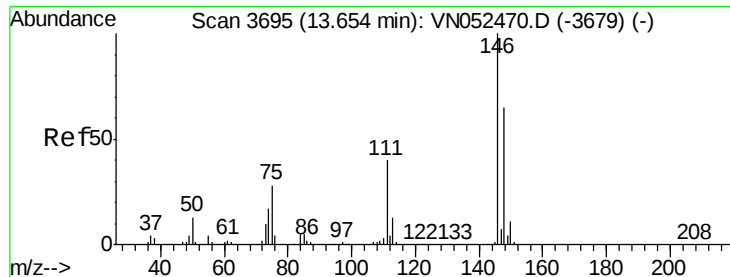
Tot Ion: 91 Resp: 741213
Ion Ratio Lower Upper
91 100
92 52.0 26.1 78.3
134 26.0 13.0 38.9



#90
Hexachloroethane
Concen: 19.383 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052477.D
Acq: 27 Nov 2018 14:33

Tgt Ion: 117 Resp: 136622
Ion Ratio Lower Upper
117 100
201 88.8 43.6 130.9

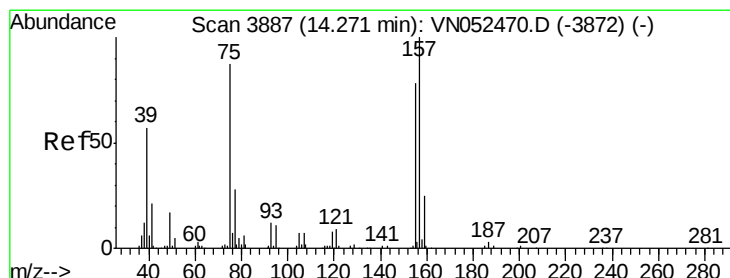
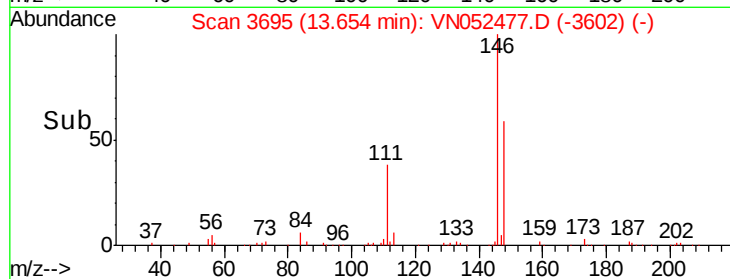
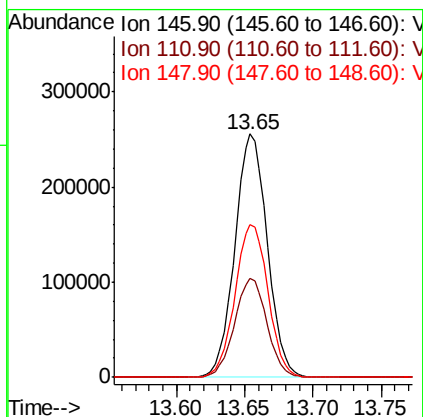
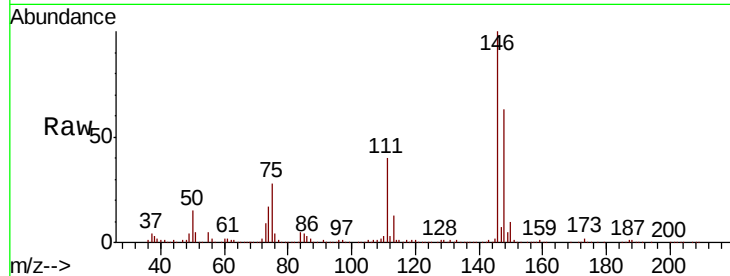




#91
 1,2-Dichlorobenzene
 Concen: 20.120 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

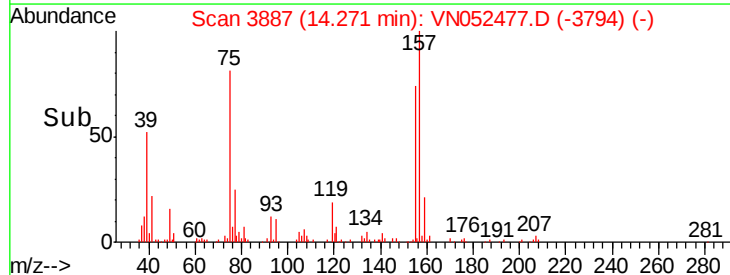
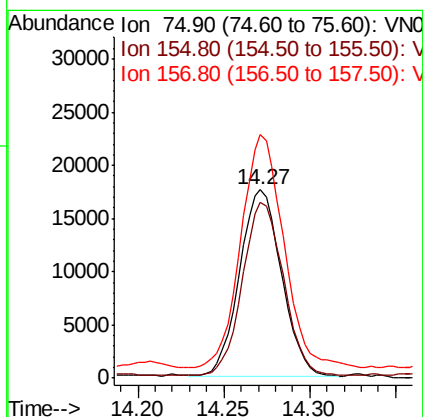
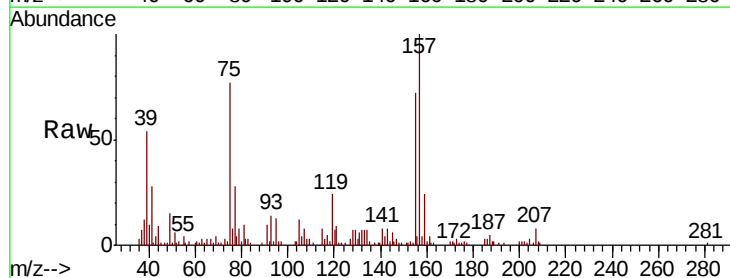
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	60.0
148	63.9	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.218 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.6	45.3	135.9
157	126.7	58.1	174.2

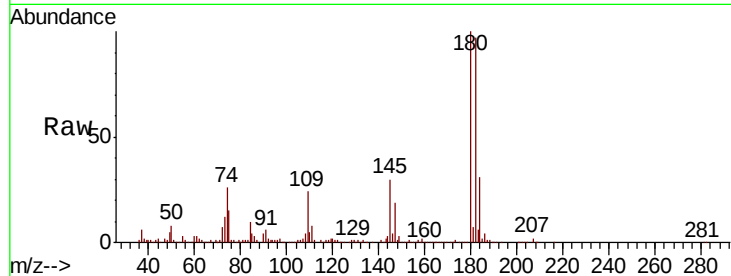




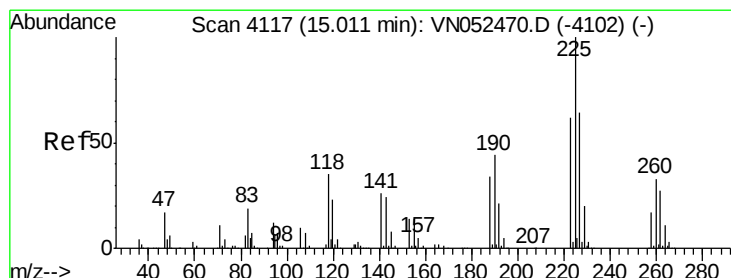
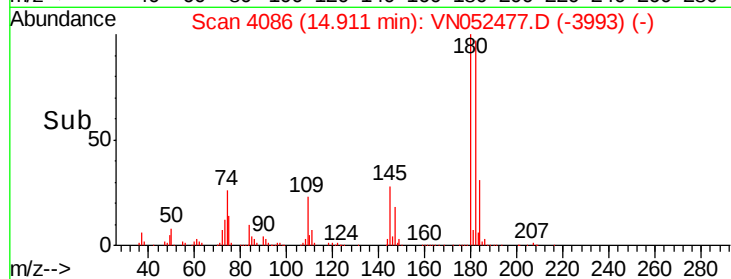
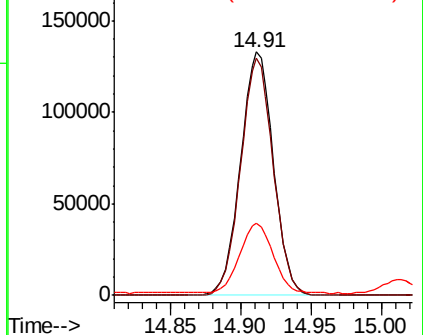
#93
 1,2,4-Trichlorobenzene
 Concen: 20.755 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.8	143.4
145	29.1	14.1	42.3

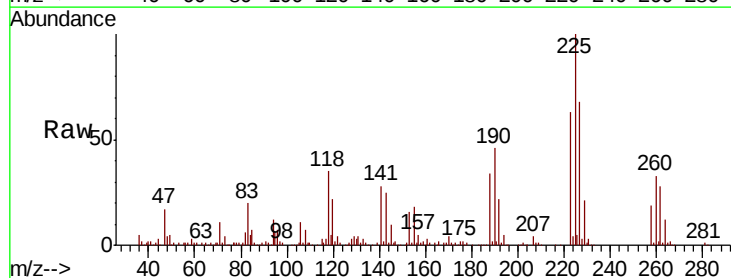


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

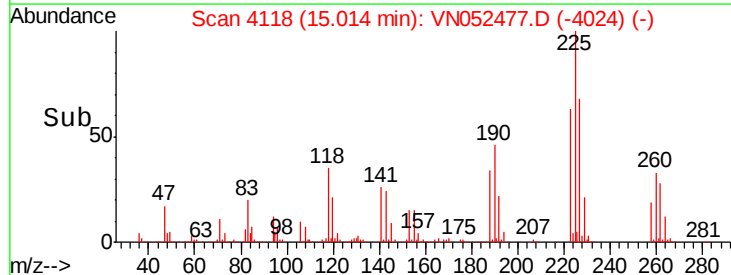
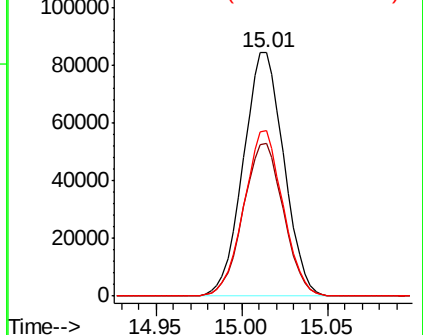


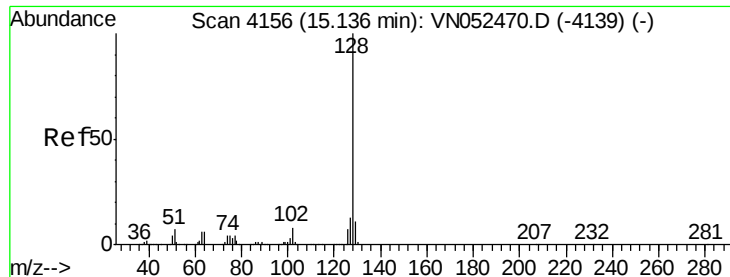
#94
 Hexachlorobutadiene
 Concen: 20.609 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN052477.D
 Acq: 27 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.4	94.2
227	65.6	32.5	97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.789 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS01

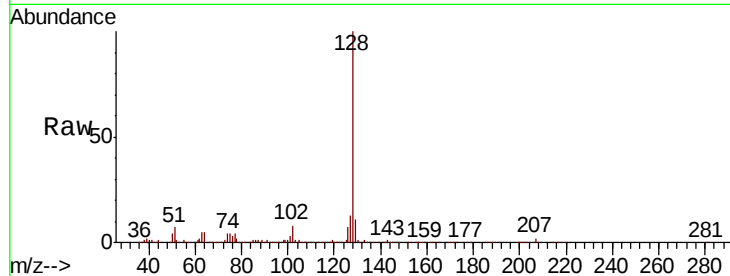
Tot Ion:128 Resp: 451382

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

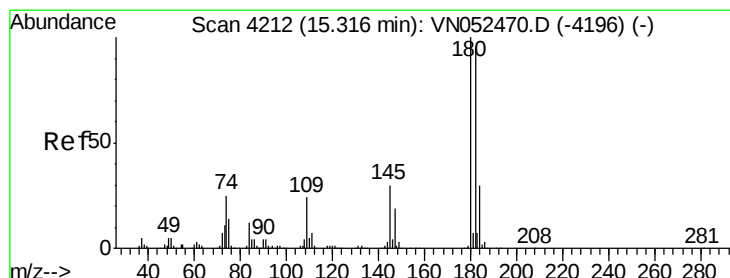
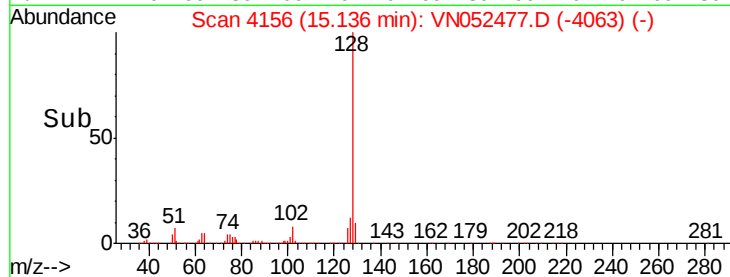
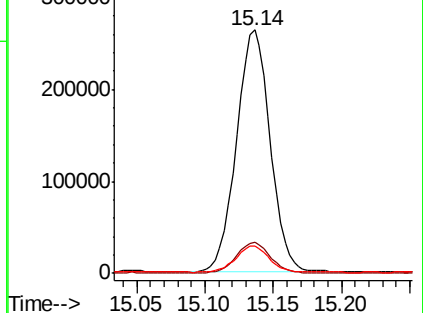
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.992 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052477.D

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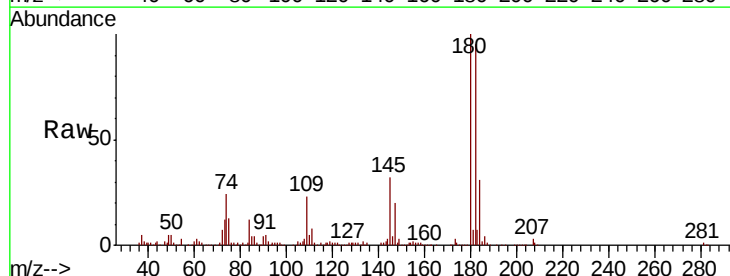
Tgt Ion:180 Resp: 202848

Ion Ratio Lower Upper

180 100

182 96.3 47.8 143.3

145 33.6 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

