

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052287.D
 Acq On : 13 Nov 2018 15:30
 Operator : MD\SY
 Sample : VN1113WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 01:03:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	275158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	470190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	419731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	177979	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	189438	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
35) Dibromofluoromethane	7.59	113	153624	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
50) Toluene-d8	10.09	98	583232	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.40	95	187331	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	59254	19.808	ug/l	96
3) Chloromethane	2.06	50	78287	18.745	ug/l	99
4) Vinyl Chloride	2.19	62	68868	19.791	ug/l	98
5) Bromomethane	2.58	94	39636	17.953	ug/l	92
6) Chloroethane	2.71	64	39418	19.076	ug/l	97
7) Trichlorofluoromethane	3.03	101	94555	19.520	ug/l	99
8) Diethyl Ether	3.41	74	34883	18.305	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	57063	18.362	ug/l	98
10) Methyl Iodide	3.96	142	75620	18.754	ug/l	99
11) Tert butyl alcohol	4.78	59	17658	91.543	ug/l #	71
12) 1,1-Dichloroethene	3.74	96	52567	18.274	ug/l	96
13) Acrolein	3.61	56	23314	101.360	ug/l	94
14) Allyl chloride	4.33	41	106319	17.653	ug/l	96
15) Acrylonitrile	4.99	53	107667	90.816	ug/l	99
16) Acetone	3.82	43	81965	78.677	ug/l	96
17) Carbon Disulfide	4.06	76	148863	17.839	ug/l	98
18) Methyl Acetate	4.33	43	55679	17.707	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	154681	18.821	ug/l	96
20) Methylene Chloride	4.56	84	65363	19.054	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	58092	18.581	ug/l	99
22) Diisopropyl ether	5.95	45	228806	18.951	ug/l	95
23) Vinyl Acetate	5.90	43	767559	92.651	ug/l	100
24) 1,1-Dichloroethane	5.85	63	120775	18.939	ug/l	99
25) 2-Butanone	6.84	43	132379	82.465	ug/l	99
26) 2,2-Dichloropropane	6.83	77	81286	17.453	ug/l	99
27) cis-1,2-Dichloroethene	6.84	96	66599	19.030	ug/l	99
28) Bromochloromethane	7.20	49	60047	19.057	ug/l	99
29) Tetrahydrofuran	7.21	42	89595	85.758	ug/l	100
30) Chloroform	7.37	83	114437	18.962	ug/l	99
31) Cyclohexane	7.66	56	115473	19.162	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	95304	19.374	ug/l	98
36) 1,1-Dichloropropene	7.80	75	88584	18.666	ug/l	98
37) Ethyl Acetate	6.93	43	63941	17.913	ug/l	97
38) Carbon Tetrachloride	7.78	117	81397	18.926	ug/l	97

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Quant Time: Nov 14 01:03:57 2018
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 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	98394	18.177	ug/l	98
40) Benzene	8.04	78	257730	18.968	ug/l	100
41) Methacrylonitrile	7.18	41	37179	17.925	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	89134	18.696	ug/l	100
43) Isopropyl Acetate	8.17	43	117473	18.881	ug/l	96
44) Trichloroethene	8.84	130	63287	18.587	ug/l	99
45) 1,2-Dichloropropane	9.12	63	73452	19.350	ug/l	97
46) Dibromomethane	9.21	93	41351	18.964	ug/l	97
47) Bromodichloromethane	9.40	83	86497	19.147	ug/l	98
48) Methyl methacrylate	9.20	41	57138	17.429	ug/l	100
49) 1,4-Dioxane	9.20	88	9879	374.868	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	302639	88.078	ug/l	99
52) Toluene	10.16	92	157105	19.167	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	82999	18.618	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	97446	18.517	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	54536	18.408	ug/l	99
56) Ethyl methacrylate	10.43	69	72170	18.024	ug/l	98
57) 1,3-Dichloropropane	10.71	76	96736	18.240	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	206796	93.274	ug/l	100
59) 2-Hexanone	10.75	43	196227	81.352	ug/l	98
60) Dibromochloromethane	10.90	129	57606	19.169	ug/l	98
61) 1,2-Dibromoethane	11.01	107	54060	18.567	ug/l	98
64) Tetrachloroethene	10.63	164	57283	19.493	ug/l	96
65) Chlorobenzene	11.43	112	169373	19.044	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	58197	19.318	ug/l	98
67) Ethyl Benzene	11.51	91	298372	19.073	ug/l	99
68) m/p-Xylenes	11.62	106	218980	37.588	ug/l	99
69) o-Xylene	11.95	106	106195	19.079	ug/l	99
70) Styrene	11.96	104	171202	19.039	ug/l	99
71) Bromoform	12.13	173	32523	18.096	ug/l #	100
73) Isopropylbenzene	12.25	105	284608	19.562	ug/l	99
74) N-amyl acetate	12.07	43	96205	18.214	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	66446	18.629	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	82566	26.220	ug/l #	100
77) Bromobenzene	12.53	156	64733	19.008	ug/l	99
78) n-propylbenzene	12.59	91	328306	19.267	ug/l	99
79) 2-Chlorotoluene	12.67	91	192218	19.472	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	227152	19.632	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	14586	15.811	ug/l	84
82) 4-Chlorotoluene	12.77	91	192459	19.430	ug/l	99
83) tert-Butylbenzene	12.99	119	201658	19.963	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	228203	19.561	ug/l	100
85) sec-Butylbenzene	13.17	105	275141	19.862	ug/l	99
86) p-Isopropyltoluene	13.29	119	225894	19.492	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	112824	19.030	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	111757	18.830	ug/l	98
89) n-Butylbenzene	13.61	91	192159	18.621	ug/l	99
90) Hexachloroethane	13.87	117	38016	18.689	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	109015	18.842	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9045	17.838	ug/l	93

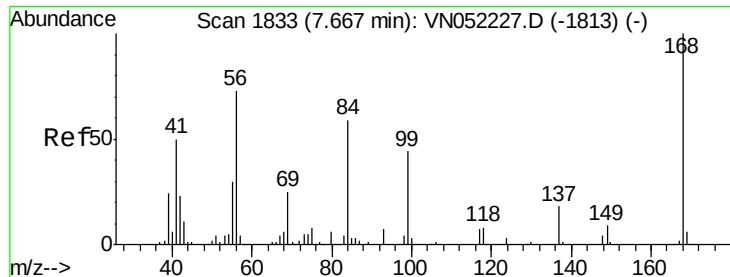
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
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ClientSampleId :

Quant Time: Nov 14 01:03:57 2018
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Quant Title : SW846 8260
QLast Update : Mon Nov 12 00:34:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	43758	19.126	ug/l	98
94) Hexachlorobutadiene	15.01	225	24600	19.787	ug/l	98
95) Naphthalene	15.13	128	99217	17.596	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	41869	19.356	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: VN052287.D

Acq: 13 Nov 2018 15:30

Instrument :

MSVOA_N

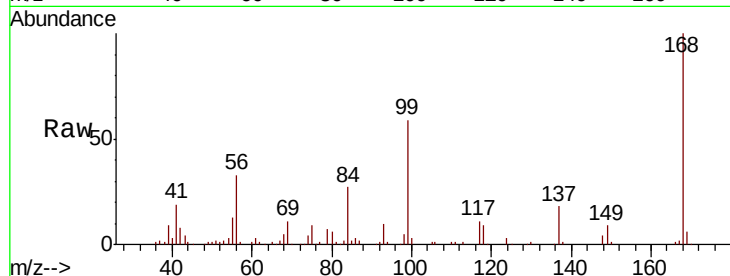
ClientSampled :

Tot Ion:168 Resp: 275158

Ion Ratio Lower Upper

168 100

99 58.6 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

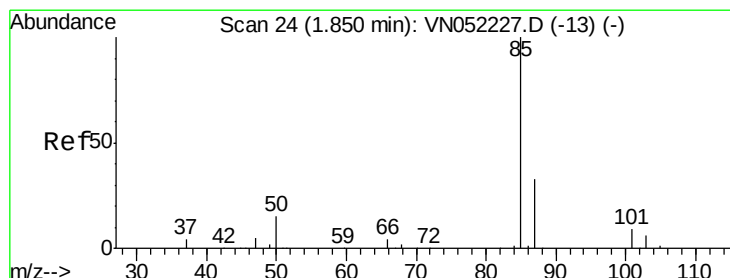
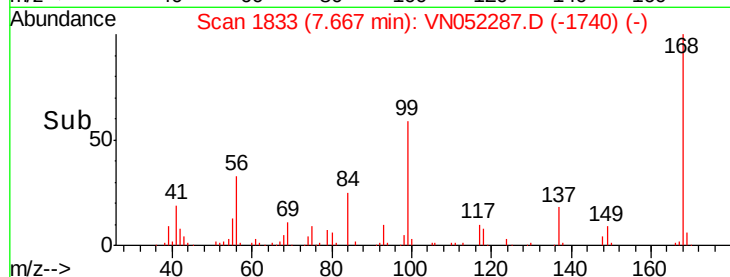
7.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.808 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052287.D

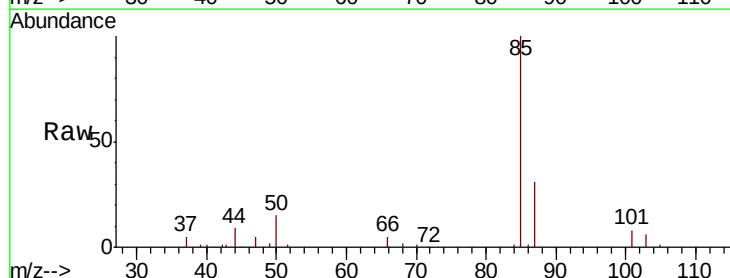
Acq: 13 Nov 2018 15:30

Tgt Ion: 85 Resp: 59254

Ion Ratio Lower Upper

85 100

87 31.3 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

50000

40000

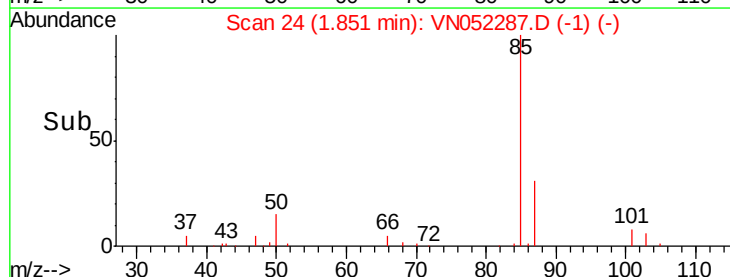
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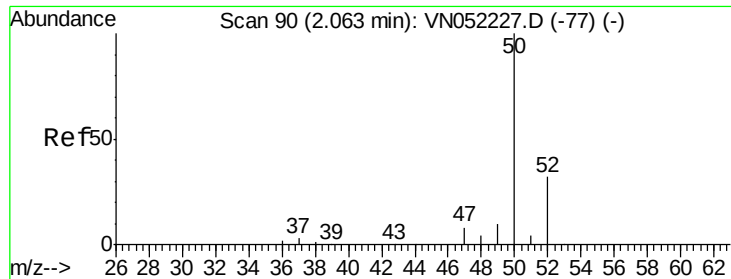
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10000

0

Time-->

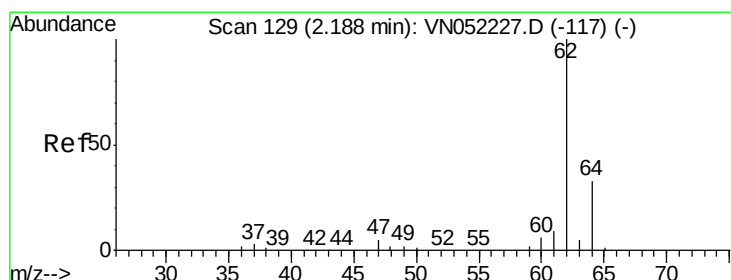
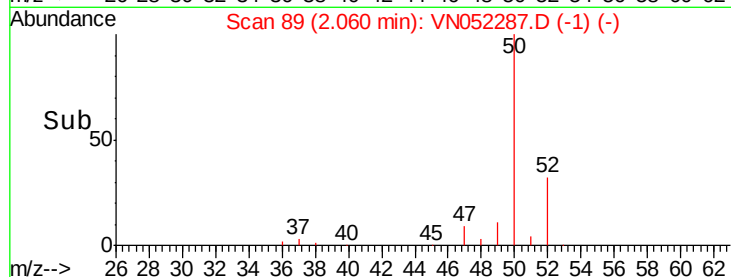
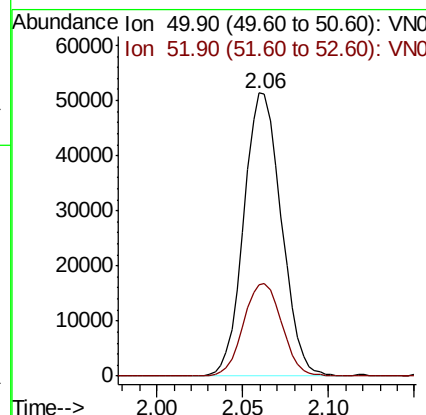
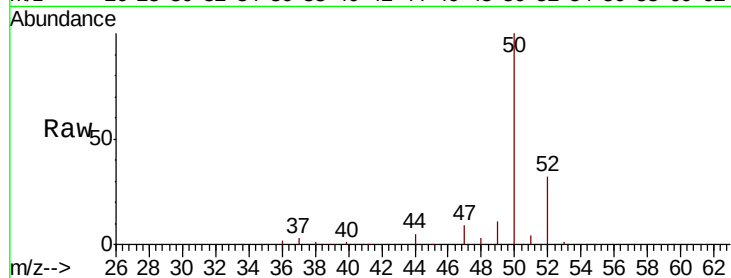




#3
Chloromethane
Concen: 18.745 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN052227.D
Acq: 13 Nov 2018 15:30

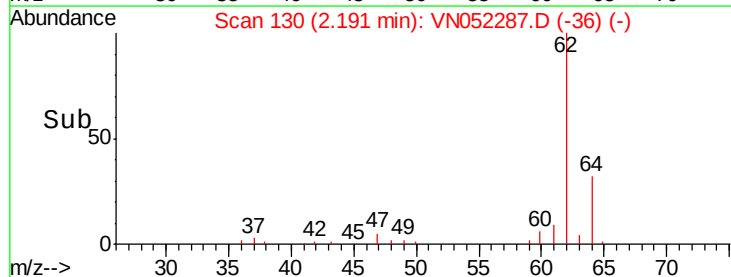
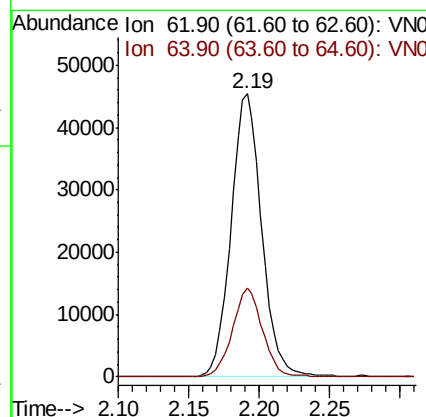
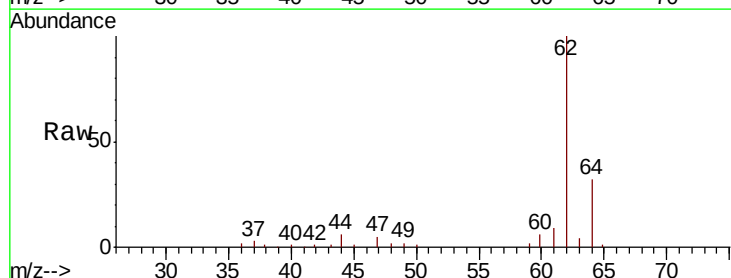
Instrument :
MSVOA_N
ClientSampleId :

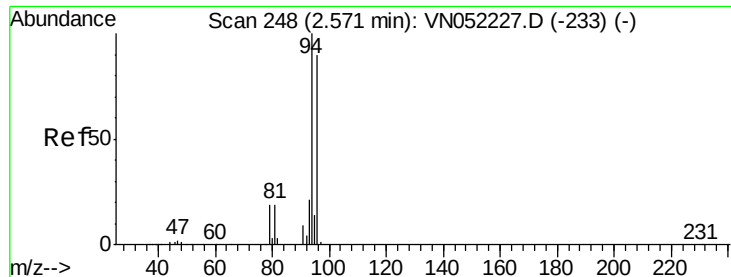
Tot Ion: 50 Resp: 78287
Ion Ratio Lower Upper
50 100
52 32.4 25.7 38.5



#4
Vinyl Chloride
Concen: 19.791 ug/l
RT: 2.19 min Scan# 130
Delta R.T. 0.00 min
Lab File: VN052227.D
Acq: 13 Nov 2018 15:30

Tgt Ion: 62 Resp: 68868
Ion Ratio Lower Upper
62 100
64 31.6 26.1 39.1





#5

Bromomethane

Concen: 17.953 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Instrument :

MSVOA_N

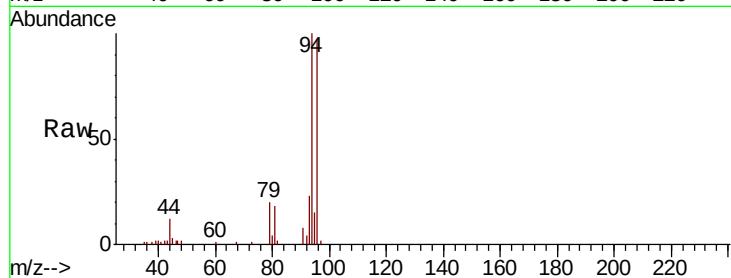
ClientSampleId :

Tot Ion: 94 Resp: 39636

Ion Ratio Lower Upper

94 100

96 97.2 71.8 107.8



Abundance Ion 93.90 (93.60 to 94.60): VN052287.D (-250) (-)

Ion 95.90 (95.60 to 96.60): VN052287.D (-250) (-)

2.58

20000

15000

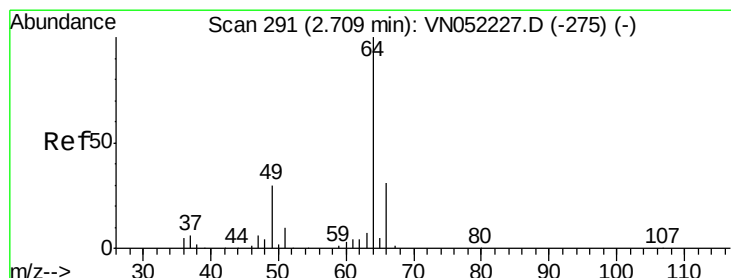
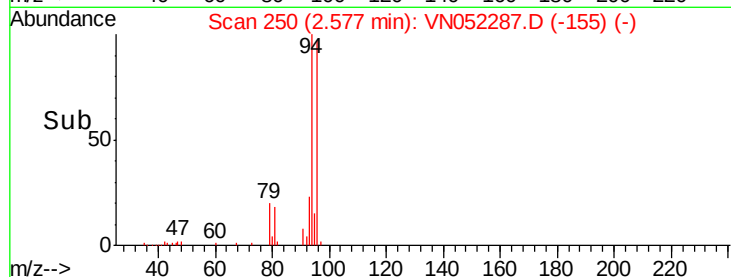
10000

5000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.076 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052287.D

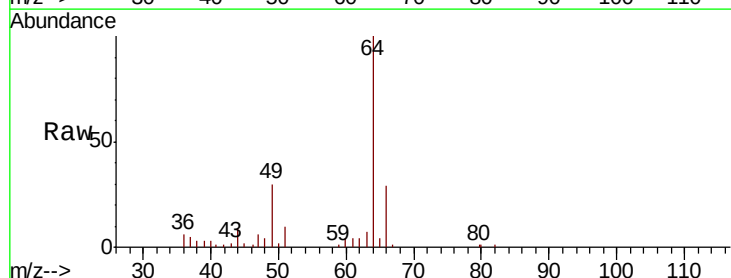
Acq: 13 Nov 2018 15:30

Tgt Ion: 64 Resp: 39418

Ion Ratio Lower Upper

64 100

66 29.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN052287.D (-292) (-)

Ion 65.90 (65.60 to 66.60): VN052287.D (-292) (-)

2.71

20000

15000

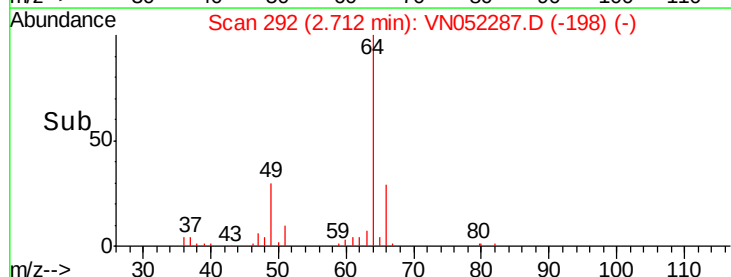
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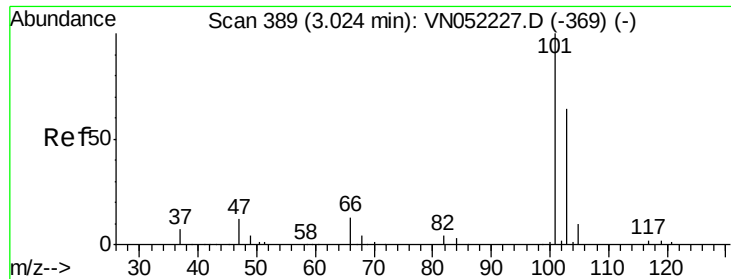
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0

Time-->

2.65 2.70 2.75 2.80



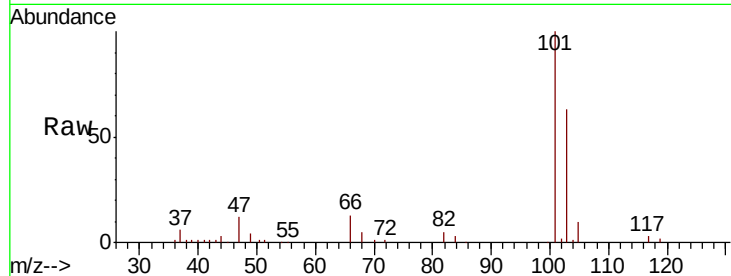


#7

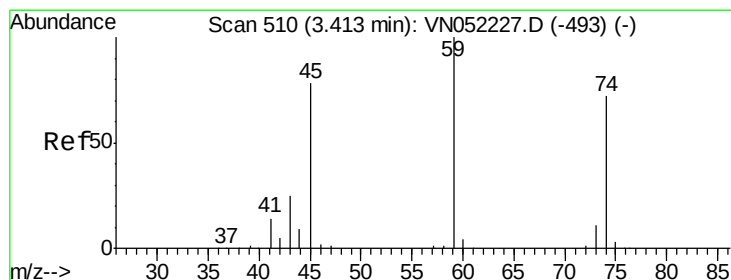
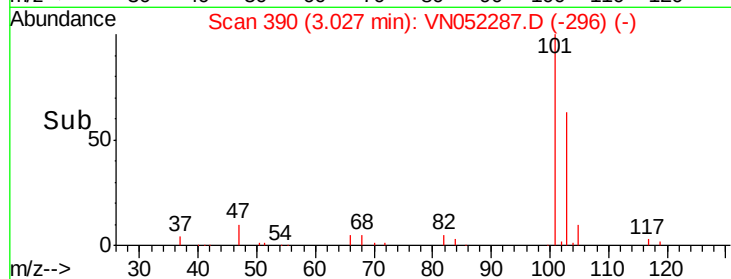
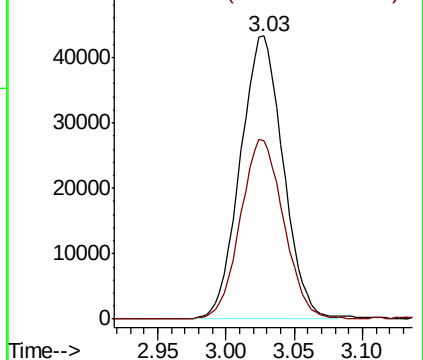
Trichlorofluoromethane
Concen: 19.520 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:101 Resp: 94555
Ion Ratio Lower Upper
101 100
103 63.0 51.2 76.8



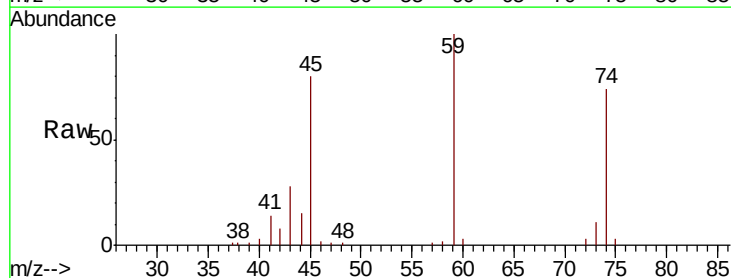
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



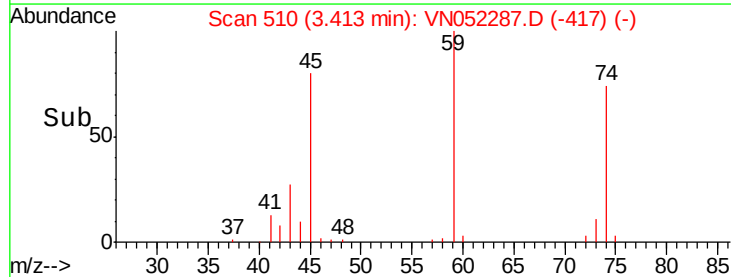
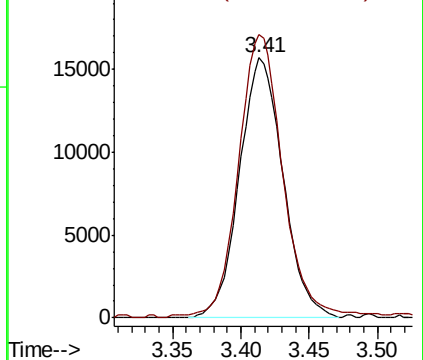
#8

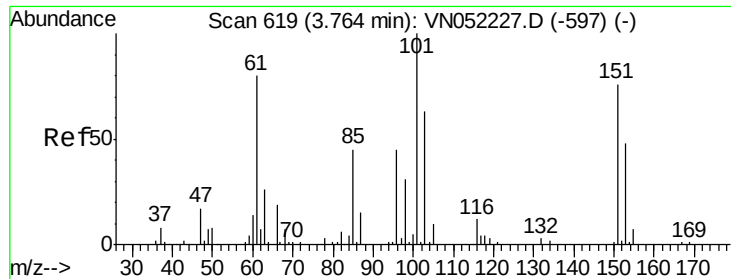
Diethyl Ether
Concen: 18.305 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

Tgt Ion: 74 Resp: 34883
Ion Ratio Lower Upper
74 100
45 106.8 55.5 166.7



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO

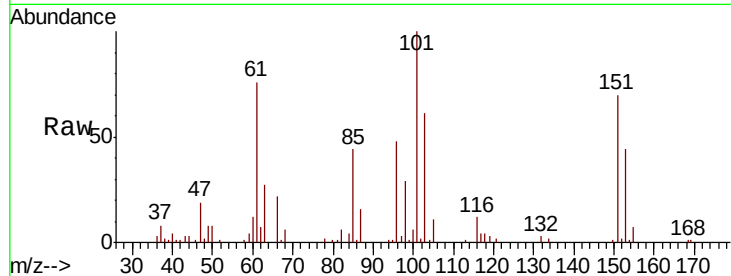




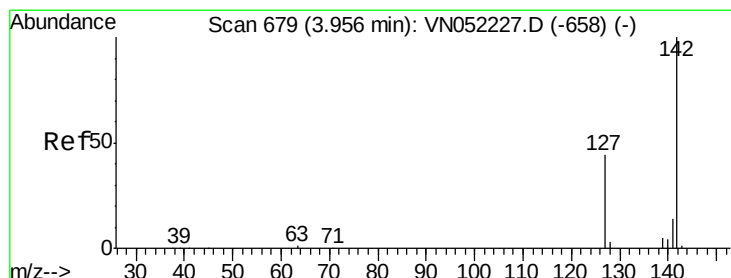
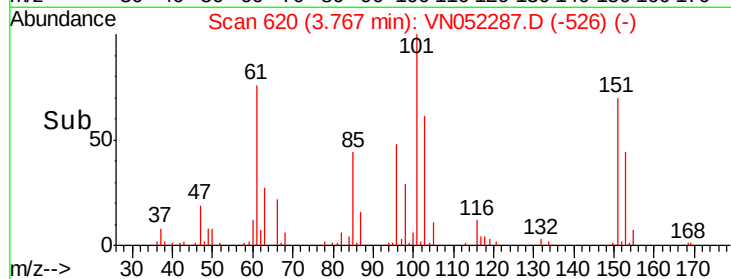
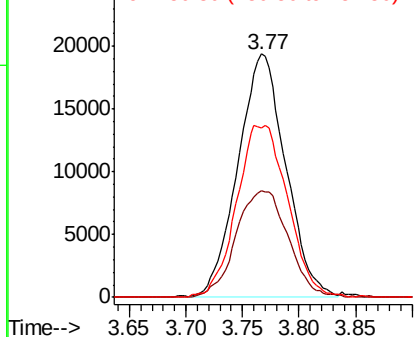
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.362 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 57063
 Ion Ratio Lower Upper
 101 100
 85 47.7 36.2 54.4
 151 75.3 59.2 88.8

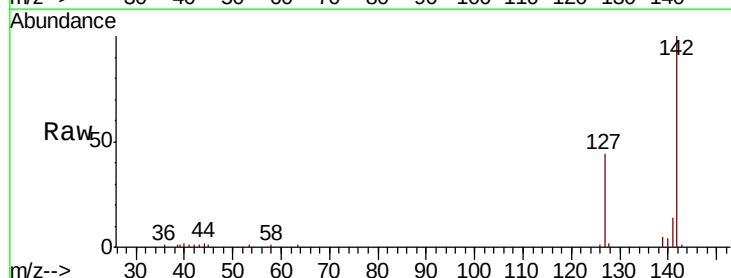


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

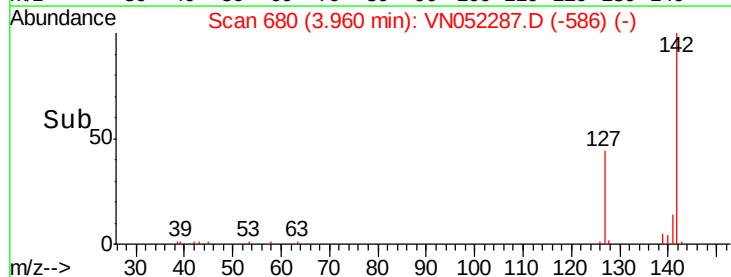
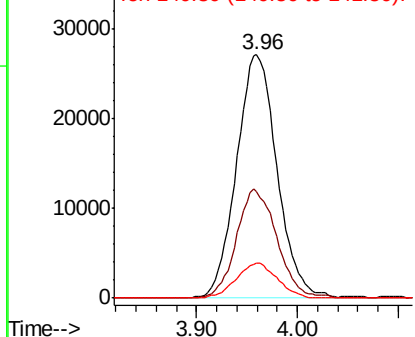


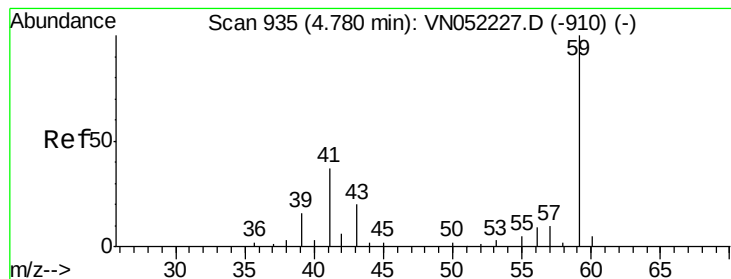
#10
 Methyl Iodide
 Concen: 18.754 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

Tgt Ion:142 Resp: 75620
 Ion Ratio Lower Upper
 142 100
 127 44.6 35.3 52.9
 141 14.5 11.8 17.6



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



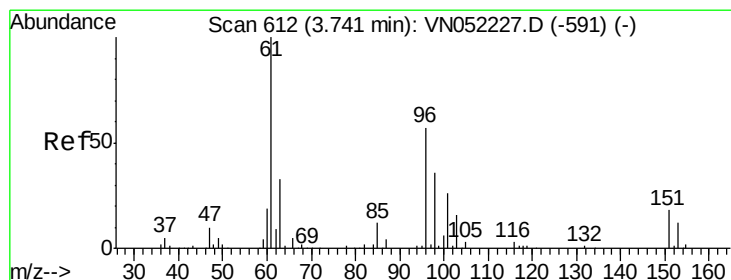
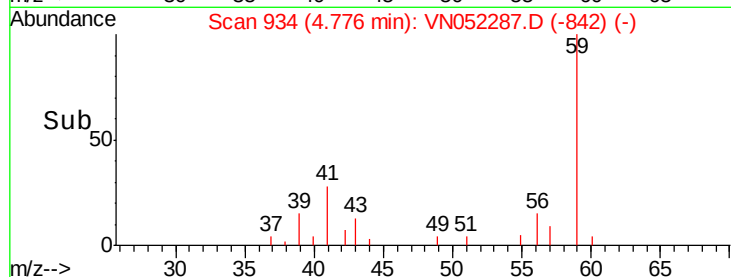
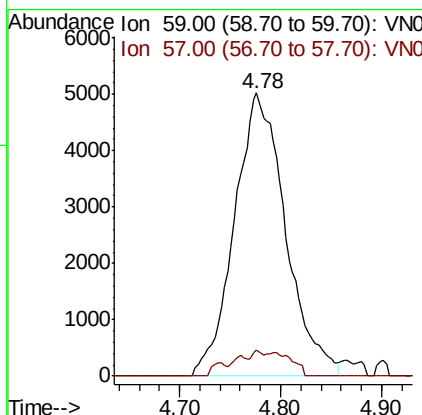
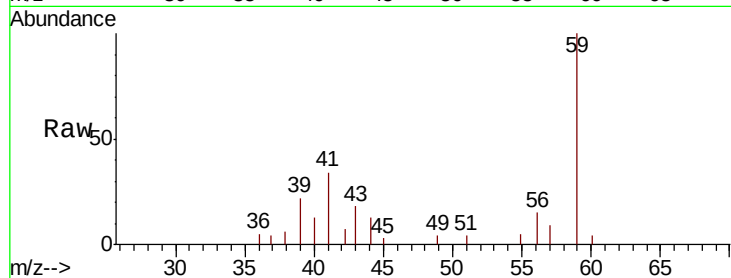


#11

Tert butyl alcohol
 Concen: 91.543 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

Instrument :
 MSVOA_N
 ClientSampled :

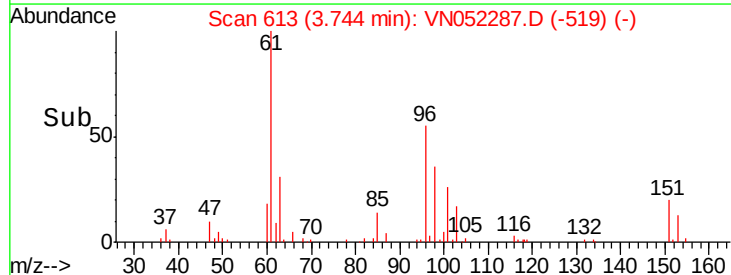
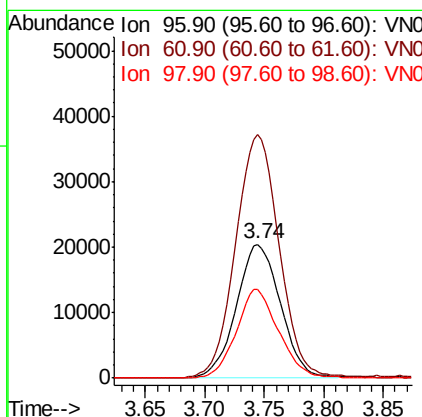
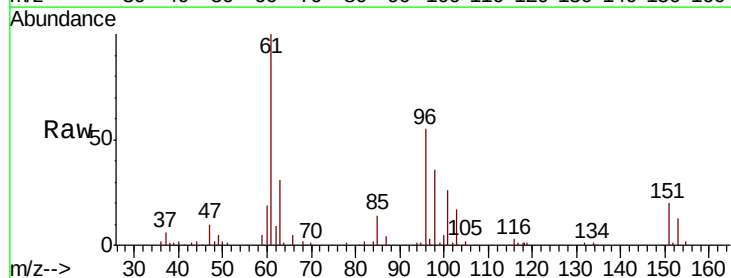
Tot Ion: 59 Resp: 17658
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

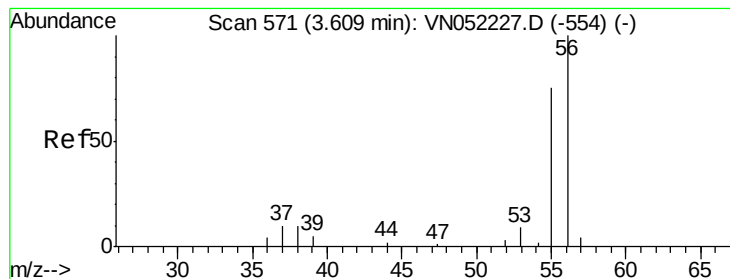


#12

1,1-Dichloroethene
 Concen: 18.274 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

Tgt Ion: 96 Resp: 52567
 Ion Ratio Lower Upper
 96 100
 61 181.1 141.1 211.7
 98 66.2 50.3 75.5





#13

Acrolein

Concen: 101.360 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052227.D

Acq: 13 Nov 2018 15:30

Instrument :

MSVOA_N

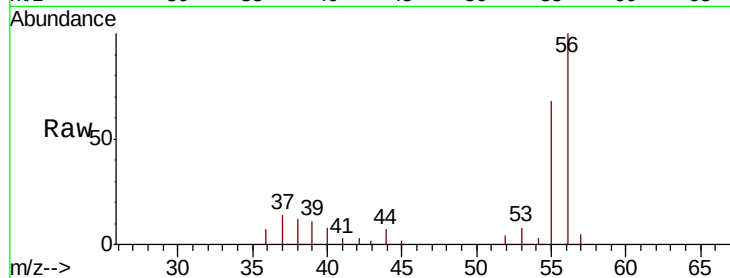
ClientSampled :

Tot Ion: 56 Resp: 23314

Ion Ratio Lower Upper

56 100

55 69.7 59.9 89.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

10000

8000

6000

4000

2000

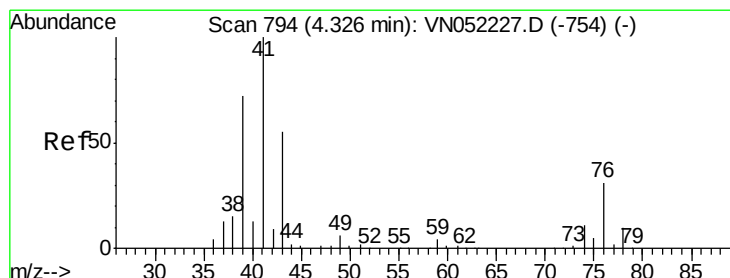
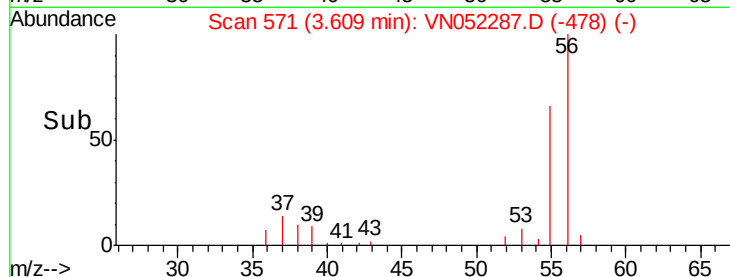
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 17.653 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052227.D

Acq: 13 Nov 2018 15:30

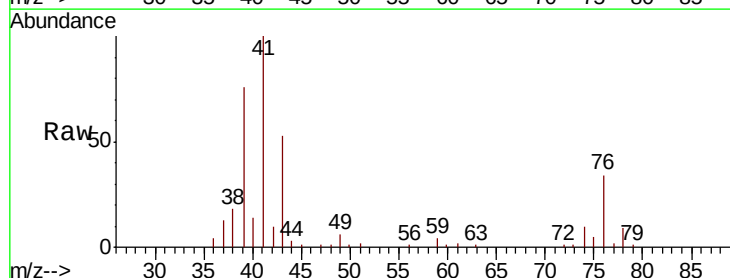
Tgt Ion: 41 Resp: 106319

Ion Ratio Lower Upper

41 100

39 71.9 55.1 82.7

76 32.9 23.6 35.4



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

40000

30000

20000

10000

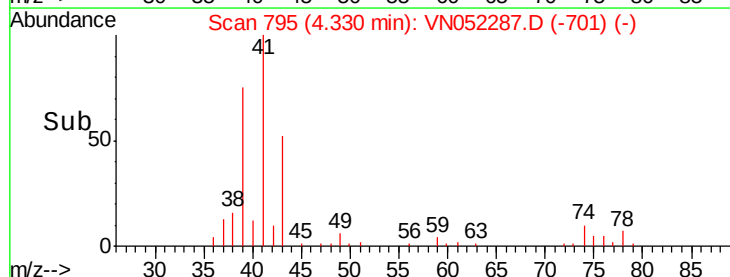
0

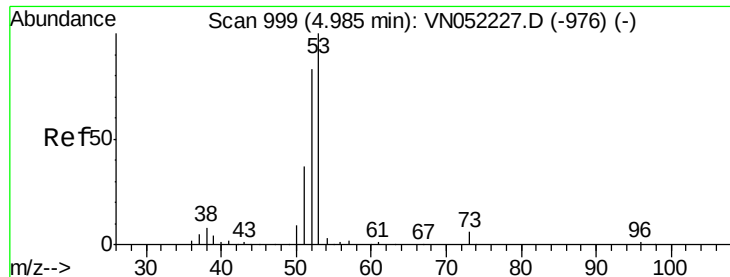
Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 90.816 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Instrument :

MSVOA_N

ClientSampleId :

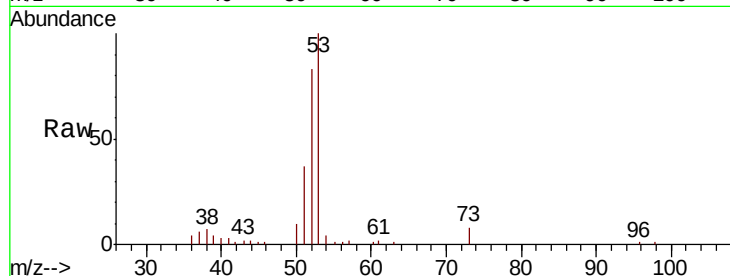
Tot Ion: 53 Resp: 107667

Ion Ratio Lower Upper

53 100

52 83.0 66.7 100.1

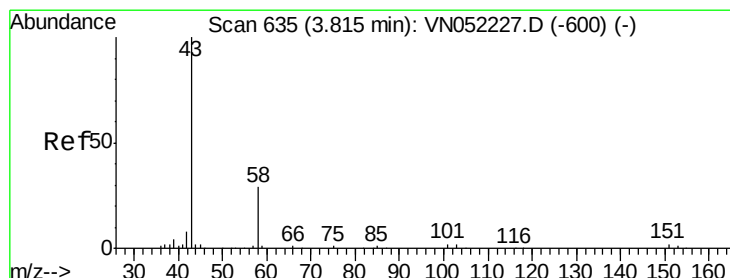
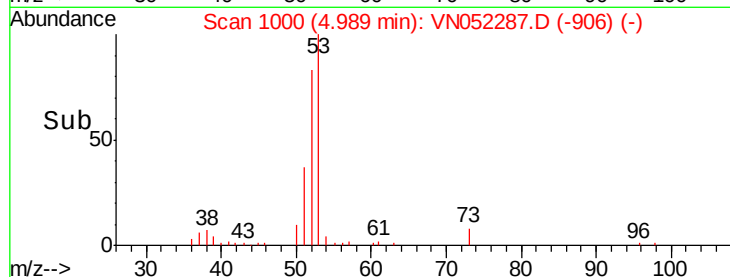
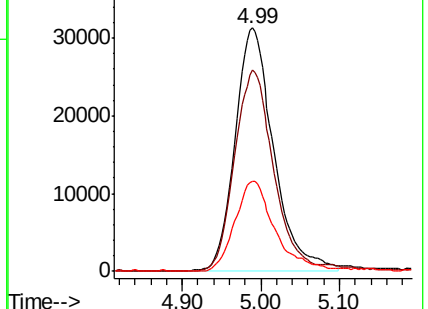
51 38.8 29.4 44.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 78.677 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052287.D

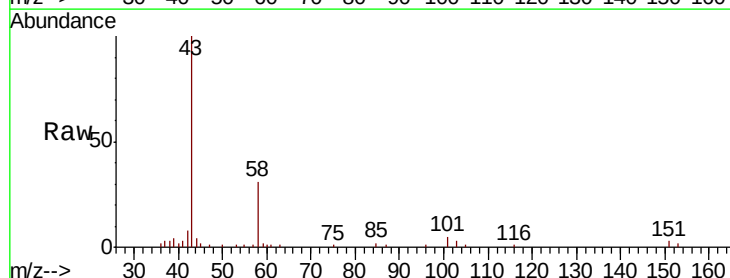
Acq: 13 Nov 2018 15:30

Tgt Ion: 43 Resp: 81965

Ion Ratio Lower Upper

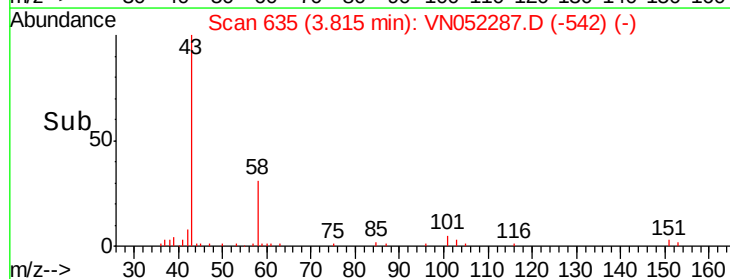
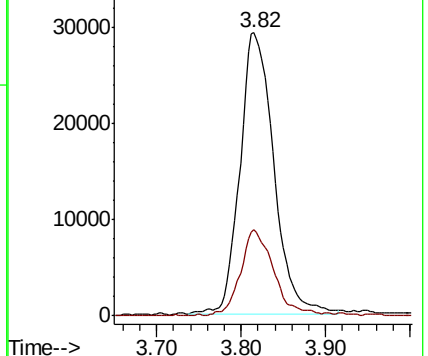
43 100

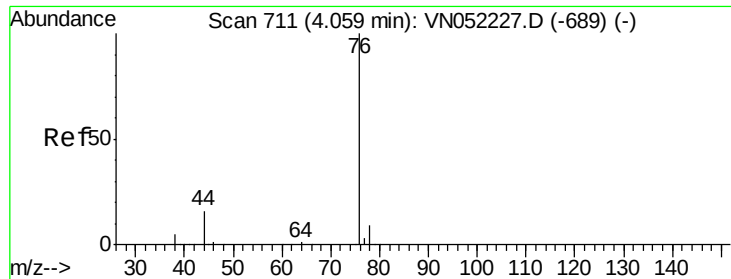
58 30.8 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

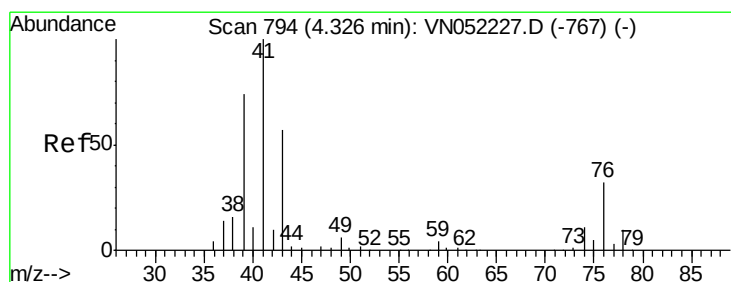
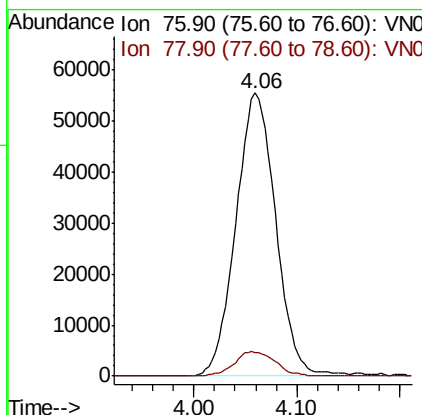
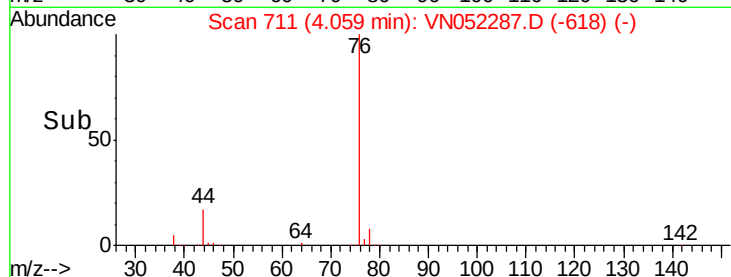
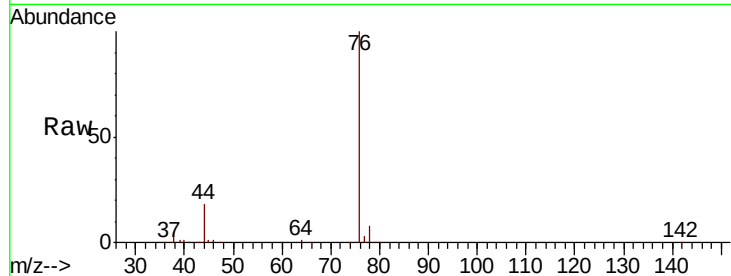




#17
Carbon Disulfide
Concen: 17.839 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

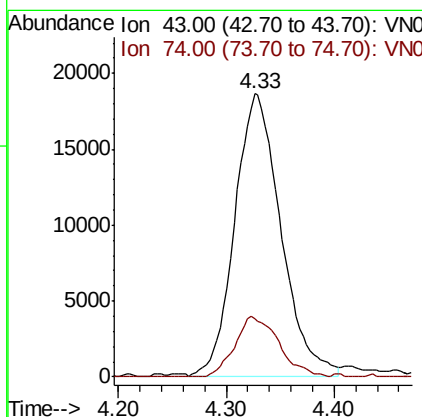
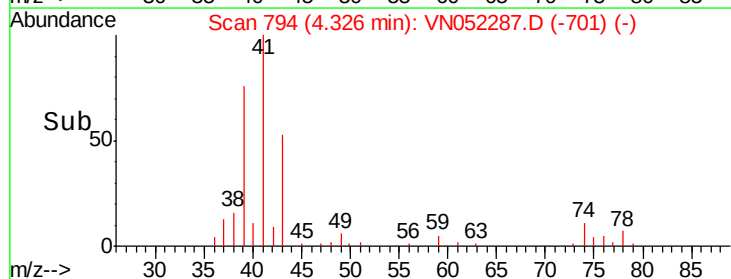
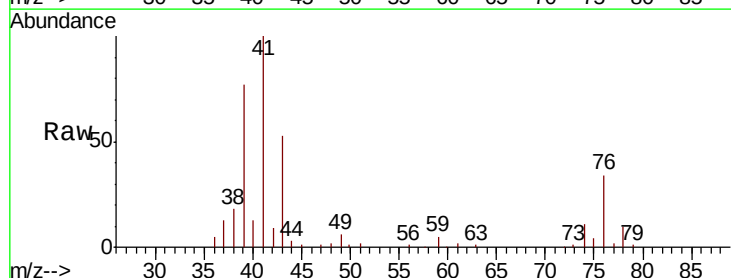
Instrument :
MSVOA_N
ClientSampleId :

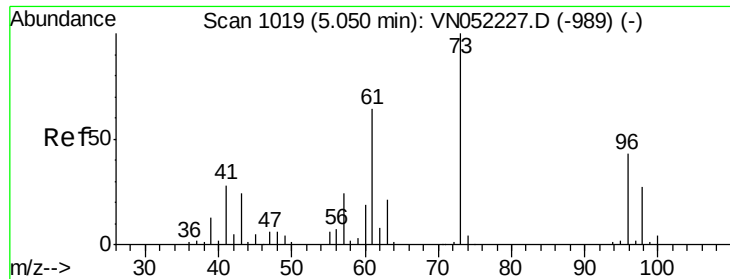
Tot Ion: 76 Resp: 148863
Ion Ratio Lower Upper
76 100
78 8.5 7.3 10.9



#18
Methyl Acetate
Concen: 17.707 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

Tgt Ion: 43 Resp: 55679
Ion Ratio Lower Upper
43 100
74 20.3 16.2 24.2



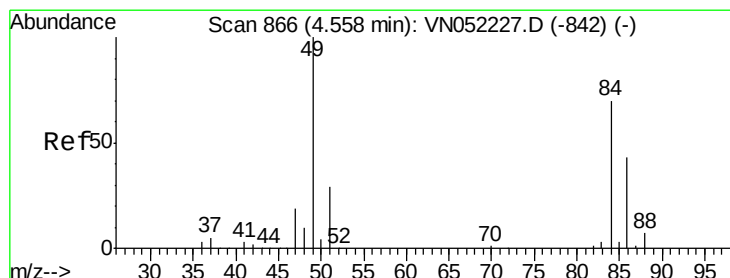
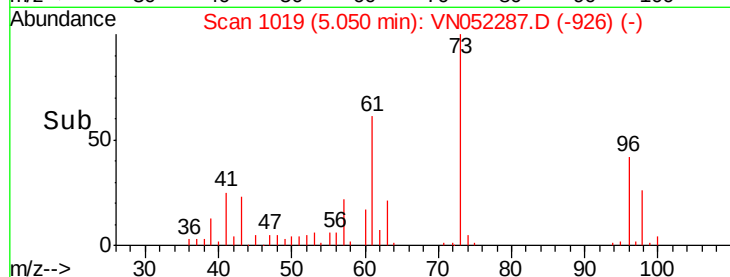
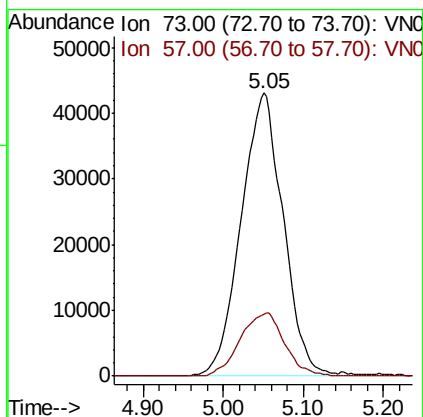
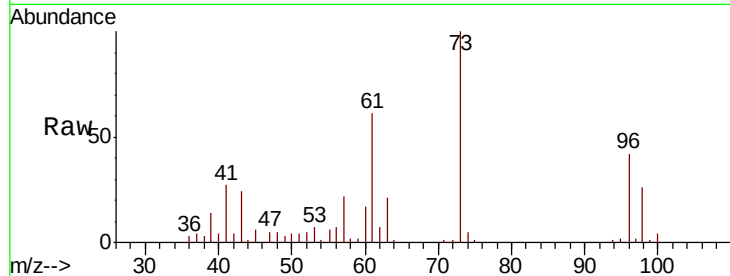


#19

Methyl tert-butyl Ether
 Concen: 18.821 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

Instrument :
 MSVOA_N
 ClientSampled :

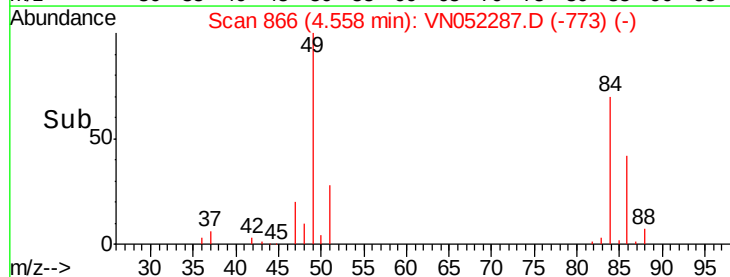
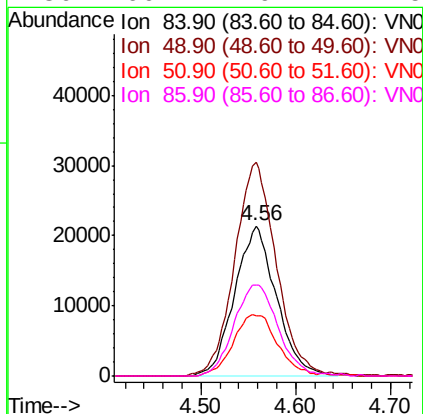
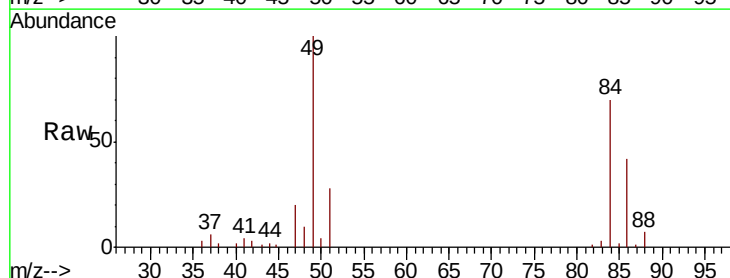
Tot Ion: 73 Resp: 154681
 Ion Ratio Lower Upper
 73 100
 57 22.1 19.1 28.7

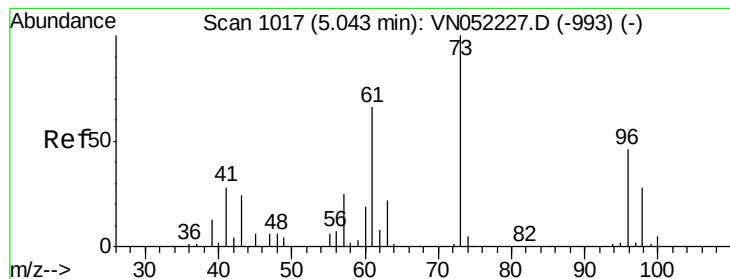


#20

Methylene Chloride
 Concen: 19.054 ug/l
 RT: 4.56 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

Tgt Ion: 84 Resp: 65363
 Ion Ratio Lower Upper
 84 100
 49 141.4 114.8 172.2
 51 39.8 33.1 49.7
 86 60.4 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 18.581 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Instrument :
MSVOA_N
ClientSampled :

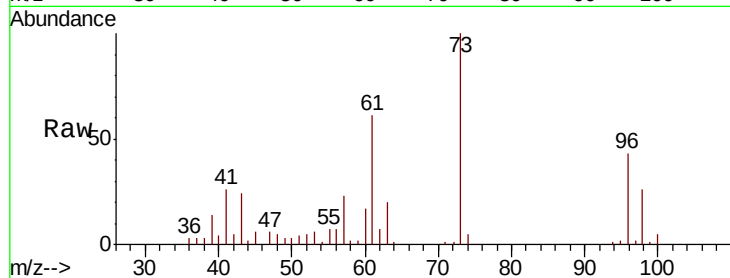
Tot Ion: 96 Resp: 58092

Ion Ratio Lower Upper

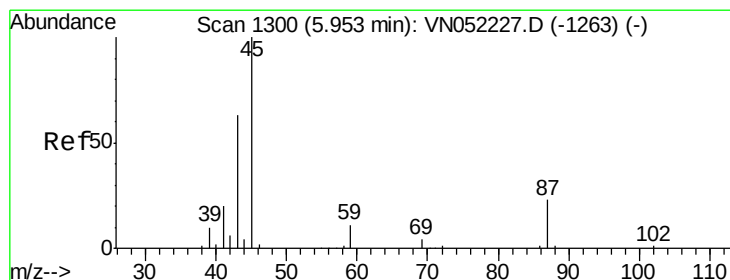
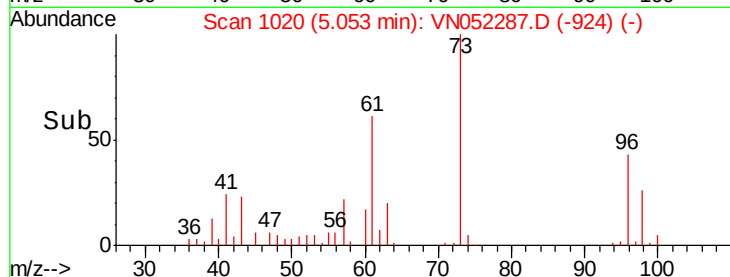
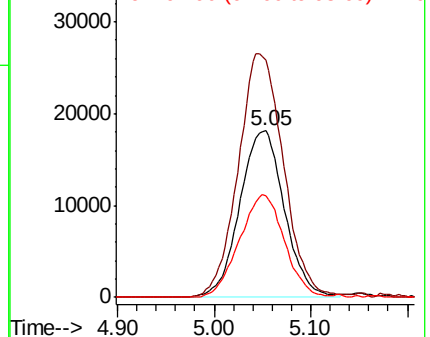
96 100

61 142.6 115.3 172.9

98 60.9 49.5 74.3



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: 18.951 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Tgt Ion: 45 Resp: 228806

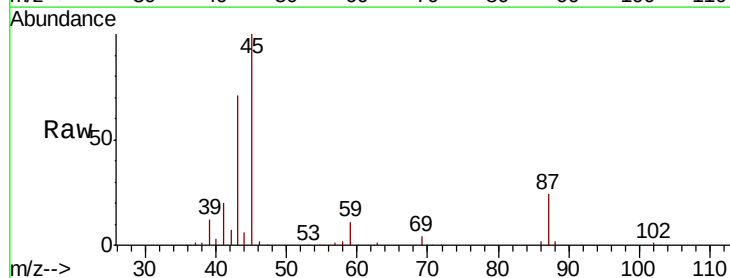
Ion Ratio Lower Upper

45 100

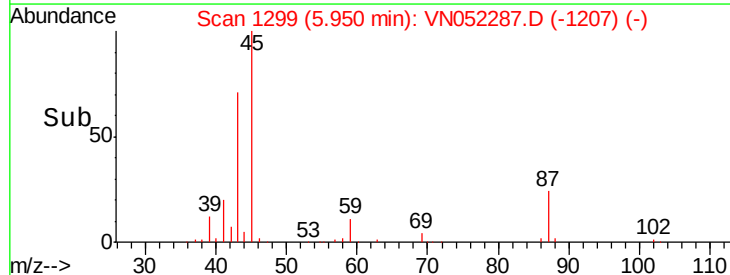
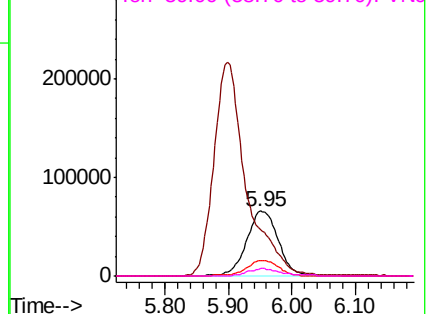
43 68.9 50.6 76.0

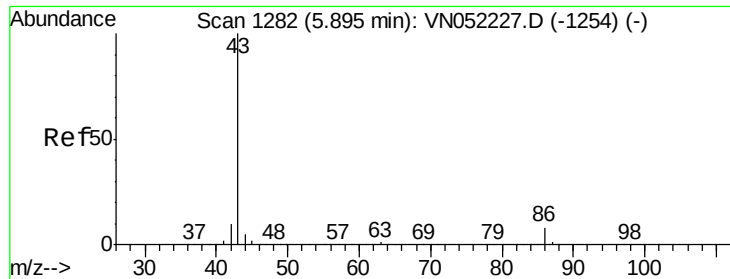
87 23.9 19.0 28.4

59 11.0 8.6 13.0



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

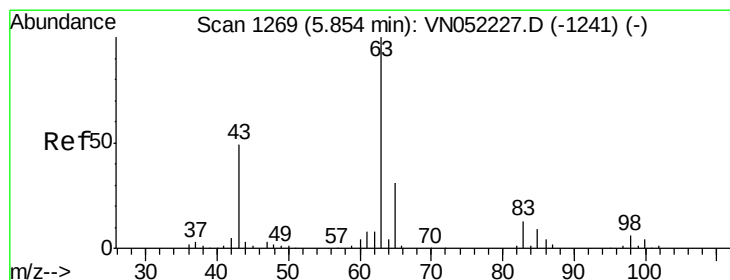
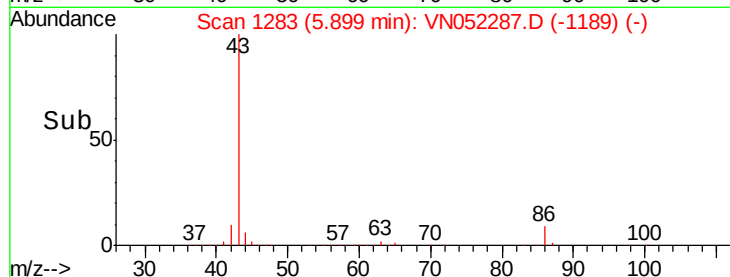
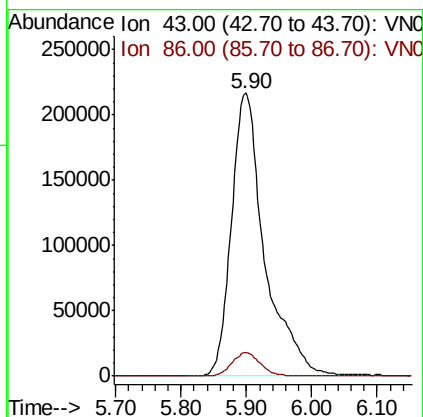
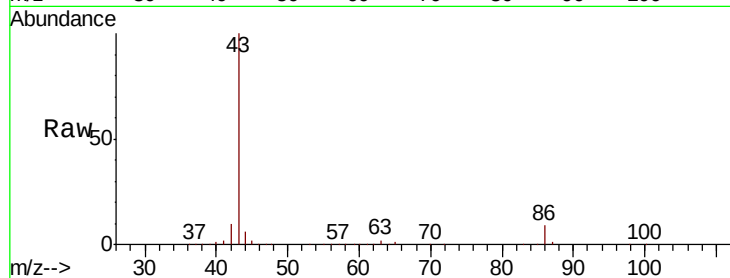




#23
 Vinyl Acetate
 Concen: 92.651 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

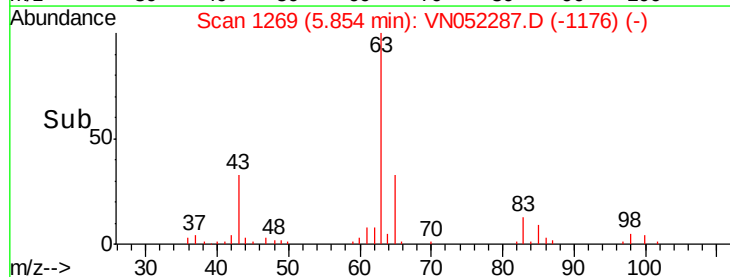
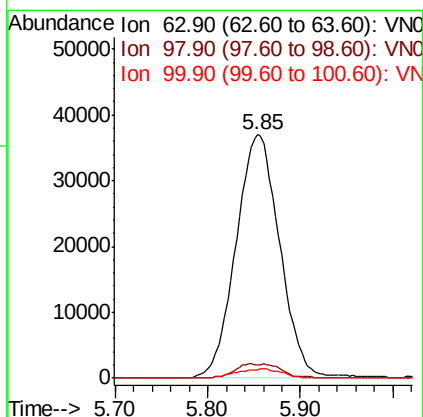
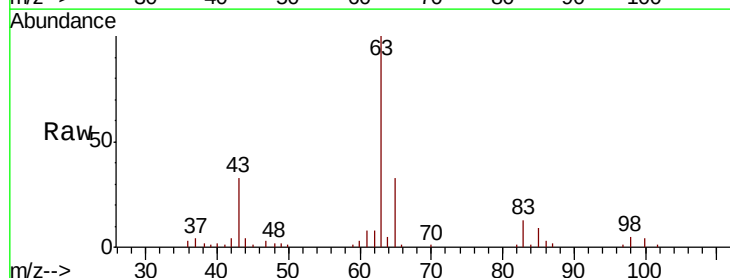
Instrument :
 MSVOA_N
 ClientSampleId :

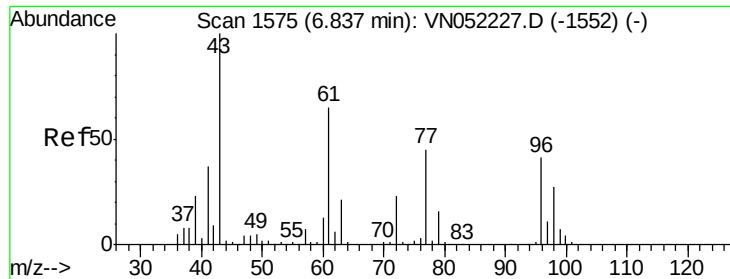
Tot Ion: 43 Resp: 767559
 Ion Ratio Lower Upper
 43 100
 86 8.5 6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 18.939 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

Tgt Ion: 63 Resp: 120775
 Ion Ratio Lower Upper
 63 100
 98 5.3 2.9 8.6
 100 3.5 2.1 6.2





#25

2-Butanone

Concen: 82.465 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

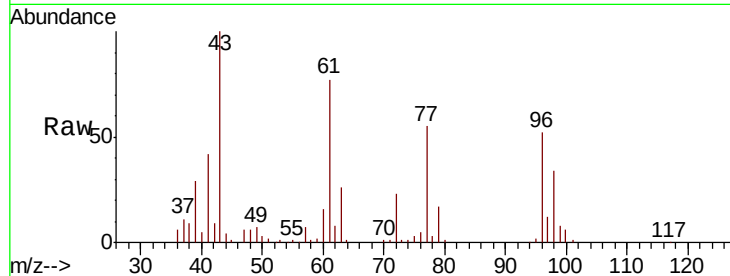
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 132379

Ion Ratio Lower Upper

43 100

72 22.8 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-1552) (-)

Ion 72.00 (71.70 to 72.70): VN052227.D (-1552) (-)

6.84

40000

30000

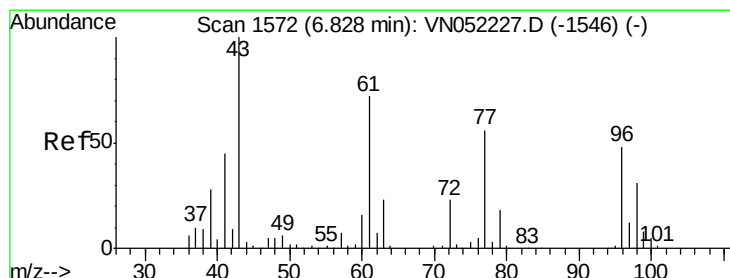
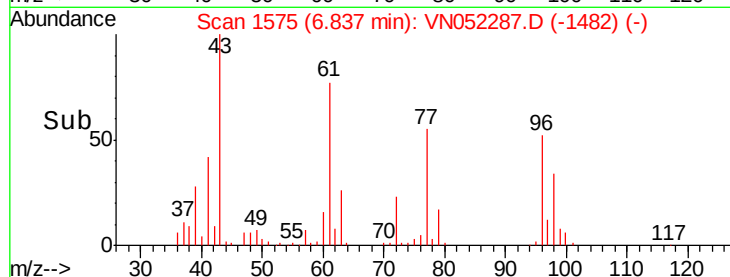
20000

10000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 17.453 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052287.D

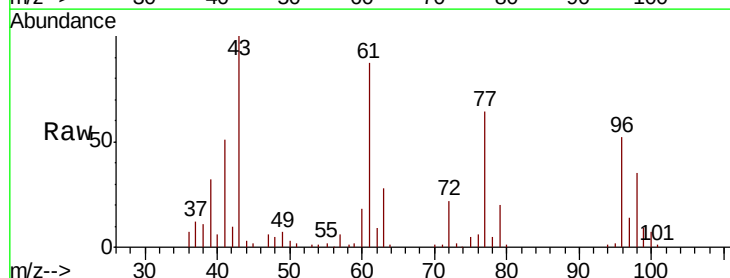
Acq: 13 Nov 2018 15:30

Tgt Ion: 77 Resp: 81286

Ion Ratio Lower Upper

77 100

97 22.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VN052227.D (-1546) (-)

Ion 96.90 (96.60 to 97.60): VN052227.D (-1546) (-)

6.83

30000

25000

20000

15000

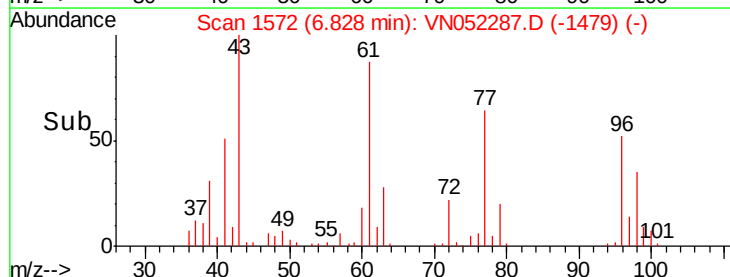
10000

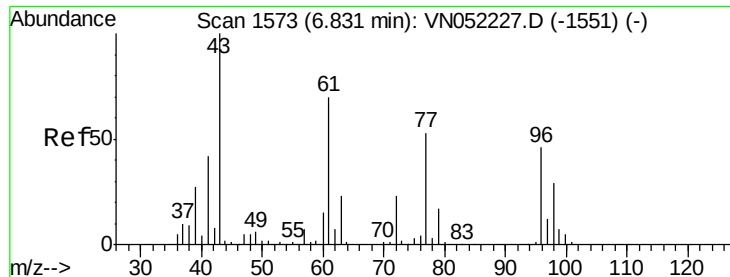
5000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.030 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :

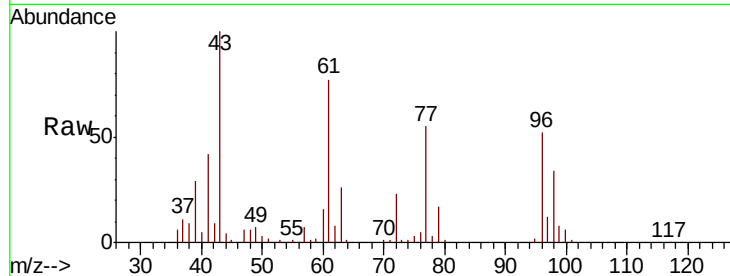
Tot Ion: 96 Resp: 66599

Ion Ratio Lower Upper

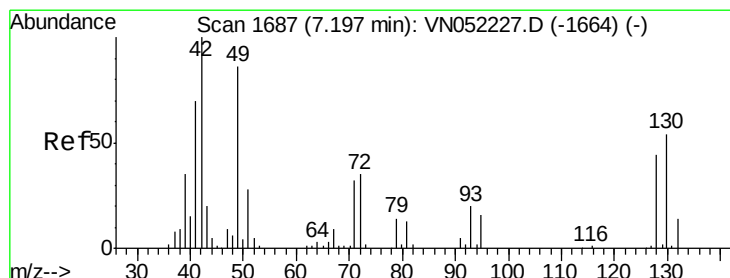
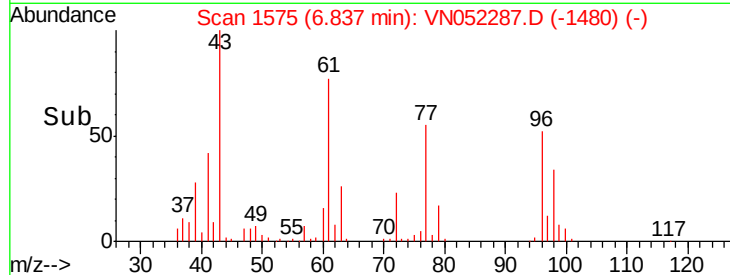
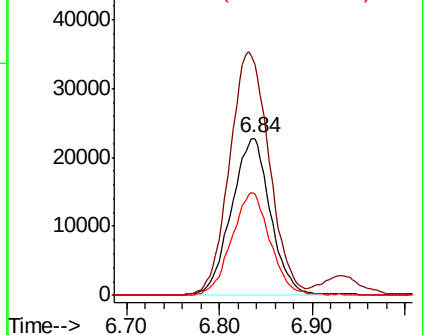
96 100

61 157.7 0.0 313.4

98 64.2 0.0 129.8



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: 19.057 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

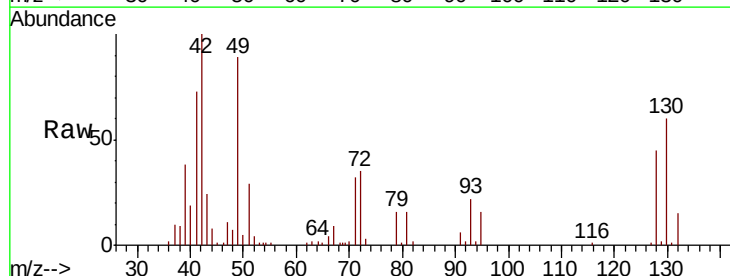
Tgt Ion: 49 Resp: 60047

Ion Ratio Lower Upper

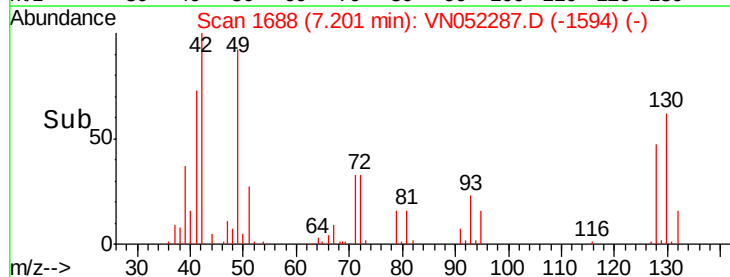
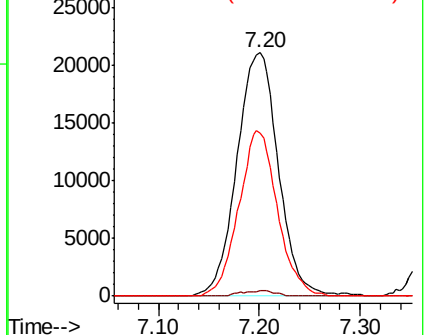
49 100

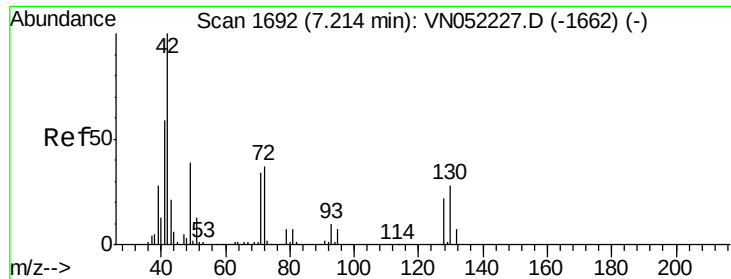
129 1.8 0.0 3.8

130 63.3 51.4 77.2



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

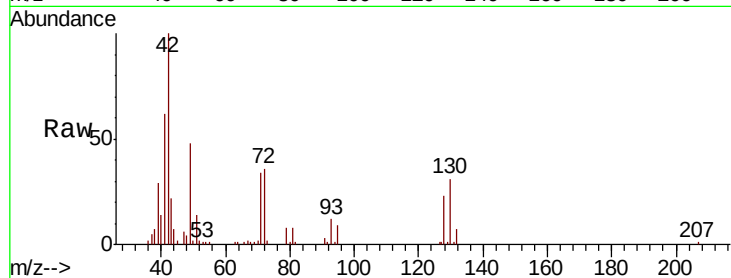




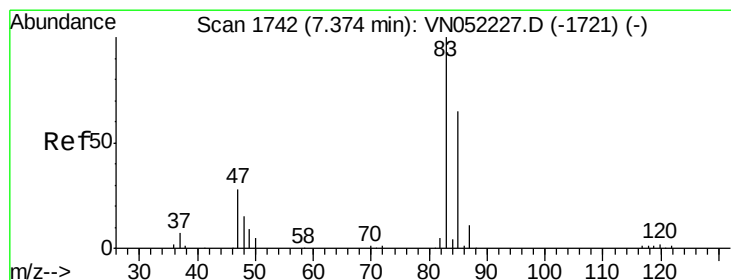
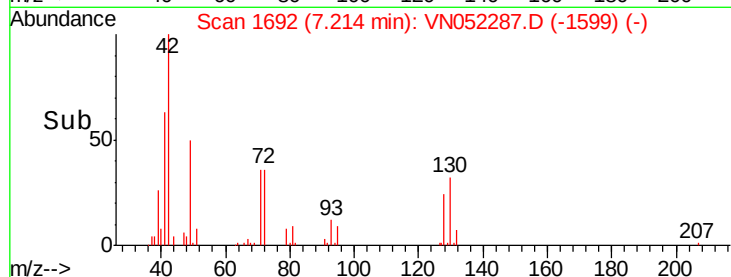
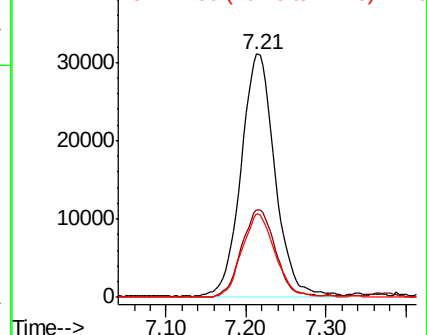
#29
Tetrahydrofuran
Concen: 85.758 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 89595
Ion Ratio Lower Upper
42 100
72 35.8 28.6 43.0
71 33.5 27.1 40.7

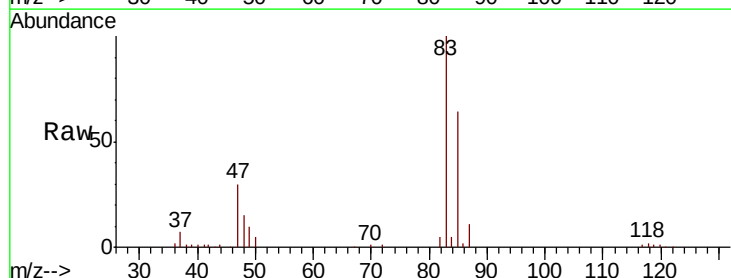


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

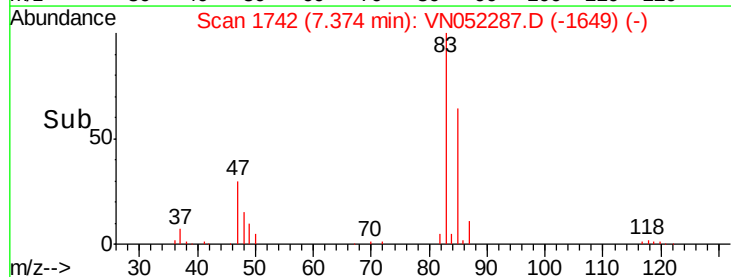
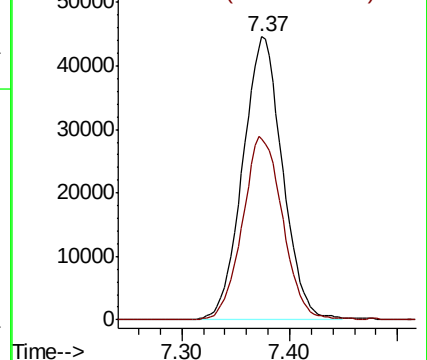


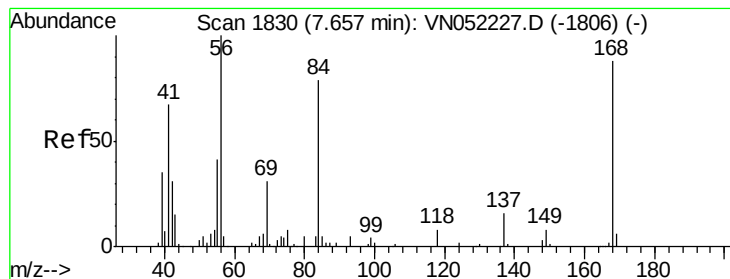
#30
Chloroform
Concen: 18.962 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

Tgt Ion: 83 Resp: 114437
Ion Ratio Lower Upper
83 100
85 64.1 51.8 77.6



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





#31

Cyclohexane

Concen: 19.162 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :

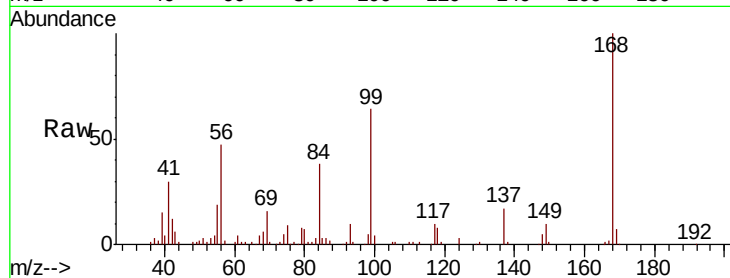
Tot Ion: 56 Resp: 115473

Ion Ratio Lower Upper

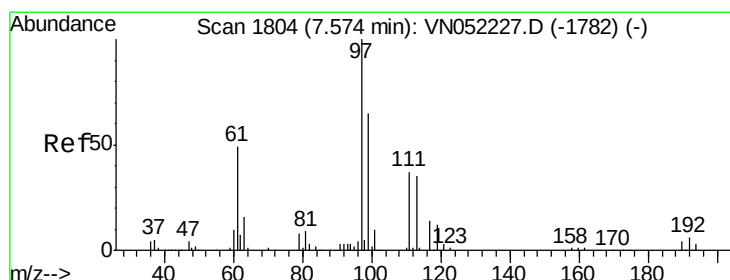
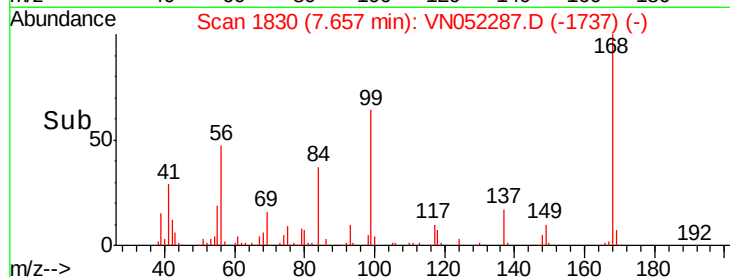
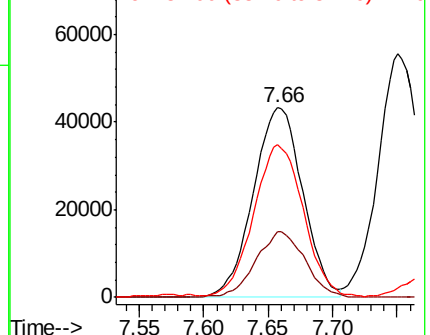
56 100

69 34.4 24.8 37.2

84 79.2 63.1 94.7



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.374 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

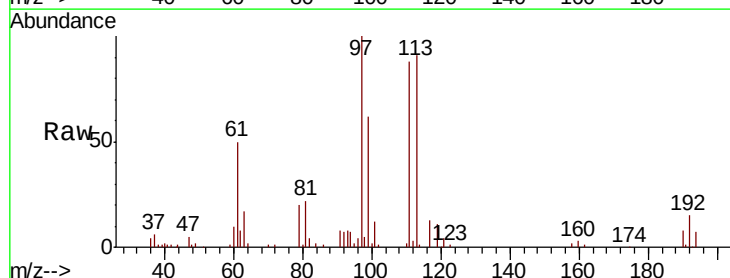
Tgt Ion: 97 Resp: 95304

Ion Ratio Lower Upper

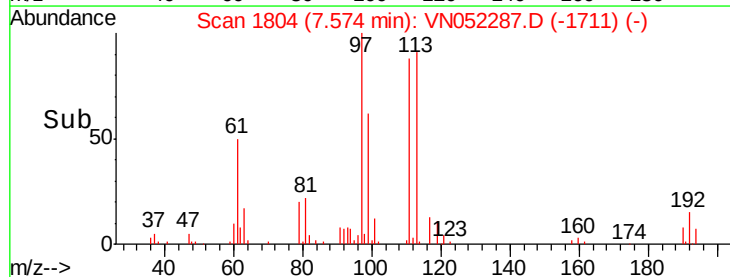
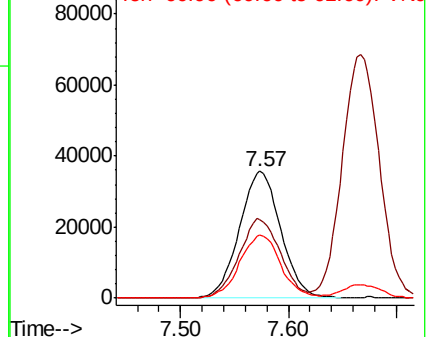
97 100

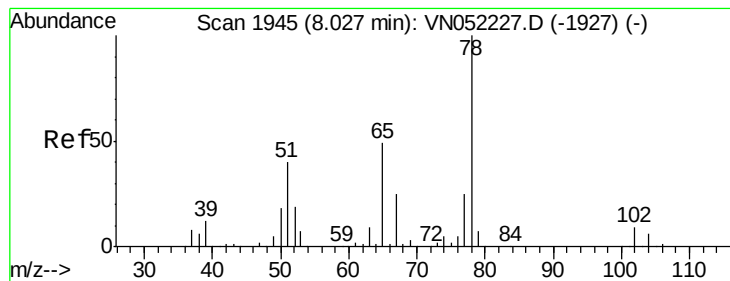
99 62.4 51.9 77.9

61 49.5 40.2 60.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 19.374 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Instrument :

MSVOA_N

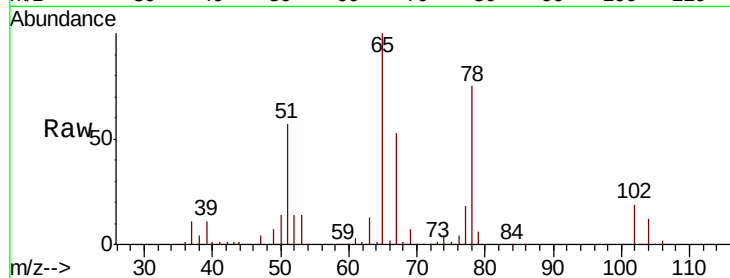
ClientSampled :

Tot Ion: 65 Resp: 189438

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VN052287.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN052287.D (-1927) (-)

8.03

80000

60000

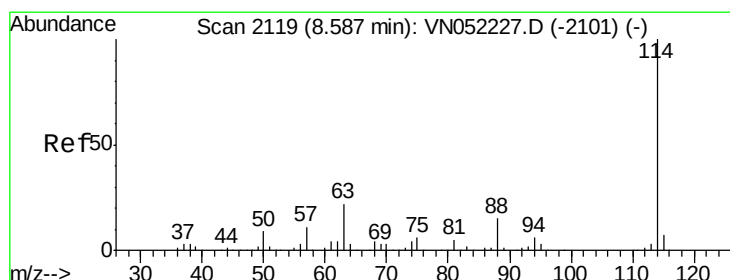
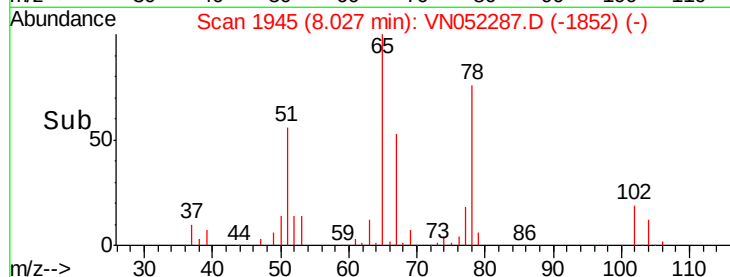
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

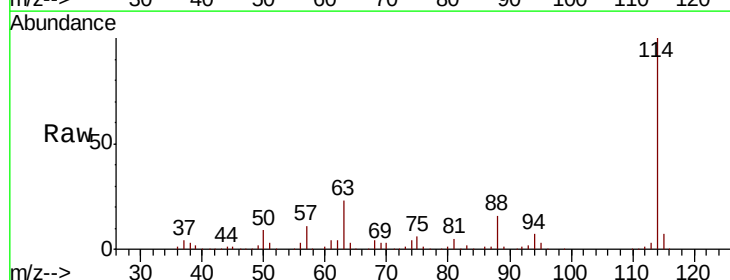
Tgt Ion: 114 Resp: 470190

Ion Ratio Lower Upper

114 100

63 22.9 0.0 43.4

88 15.5 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN052287.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN052287.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN052287.D (-2101) (-)

8.59

300000

250000

200000

150000

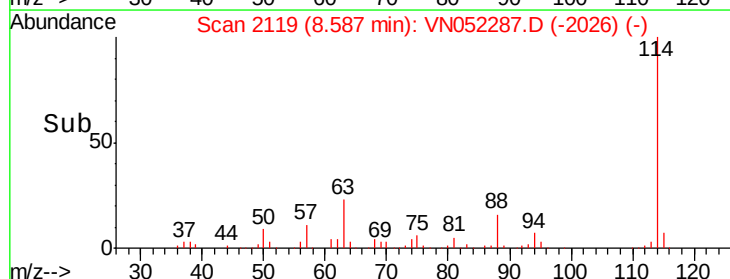
100000

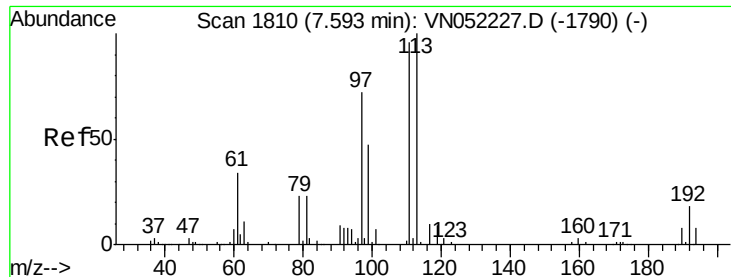
50000

0

8.50 8.60 8.70

Time-->

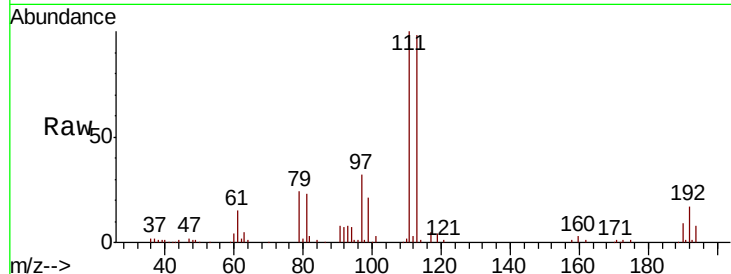




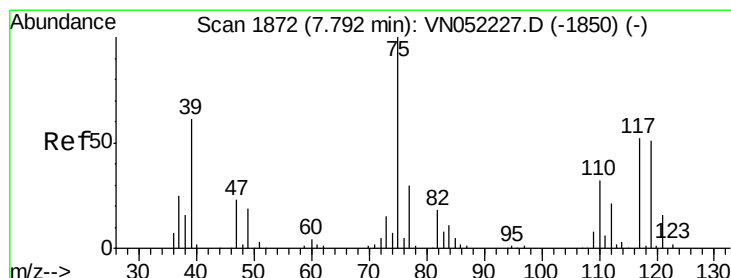
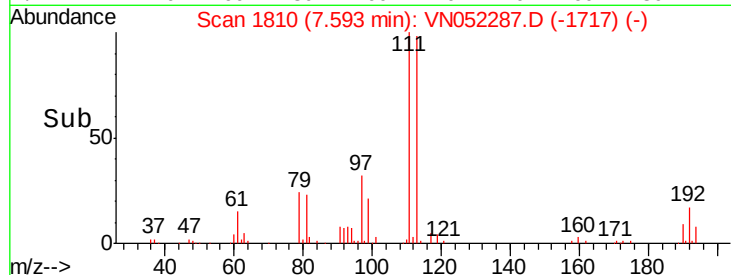
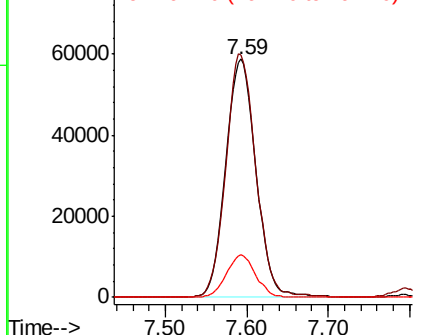
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 153624
 Ion Ratio Lower Upper
 113 100
 111 100.8 80.2 120.4
 192 17.1 14.1 21.1

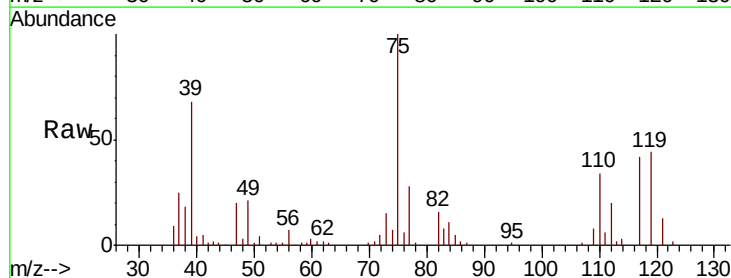


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

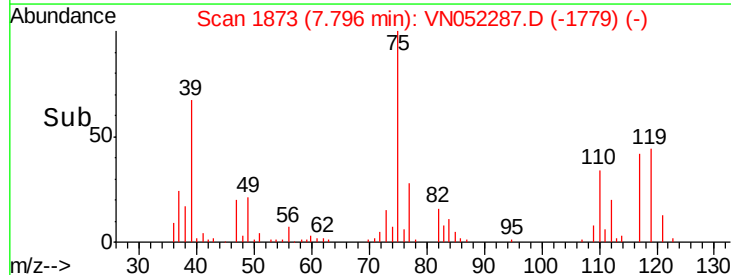
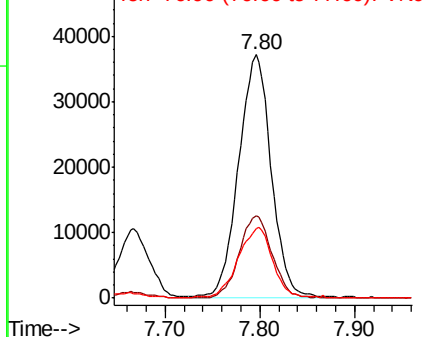


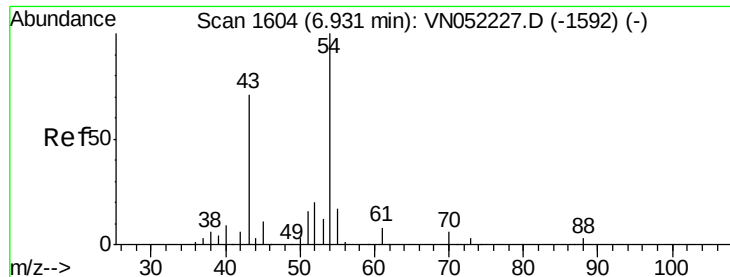
#36
 1,1-Dichloropropene
 Concen: 18.666 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

Tgt Ion: 75 Resp: 88584
 Ion Ratio Lower Upper
 75 100
 110 34.2 16.4 49.4
 77 30.7 23.9 35.9



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

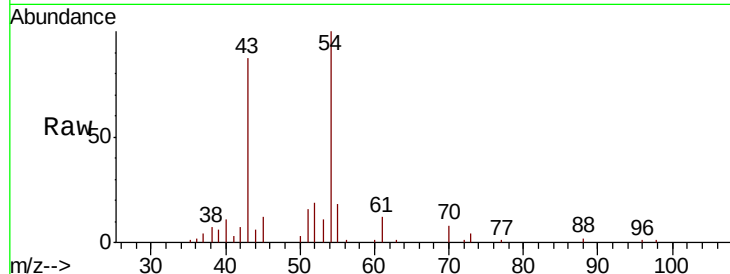




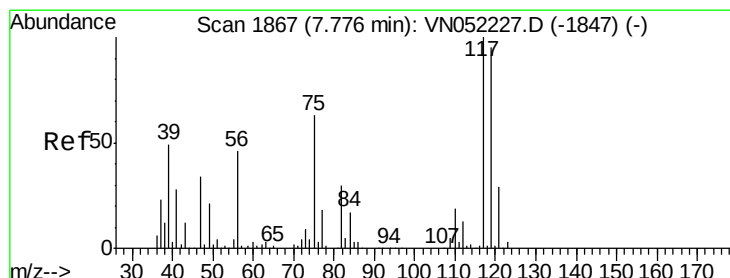
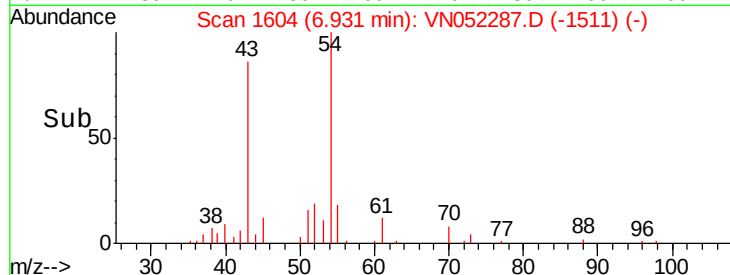
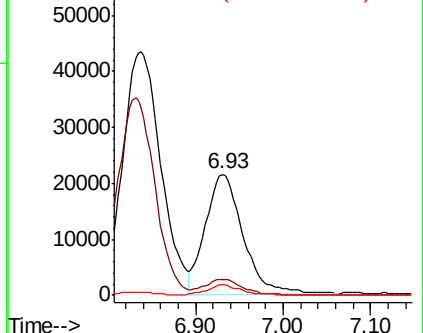
#37
Ethyl Acetate
Concen: 17.913 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052227.D
Acq: 13 Nov 2018 15:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 63941
Ion Ratio Lower Upper
43 100
61 13.8 10.0 15.0
70 8.0 6.9 10.3

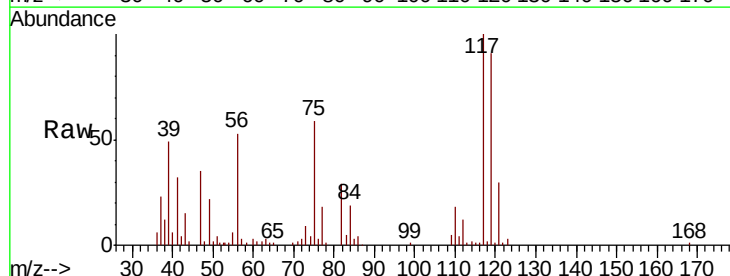


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

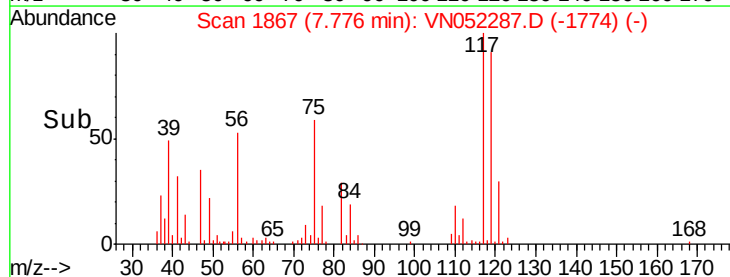
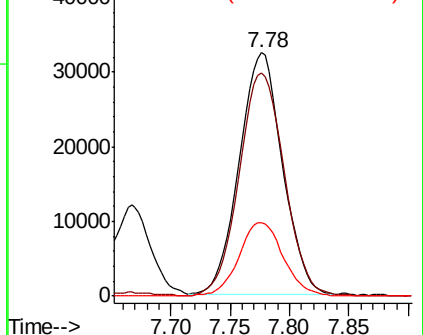


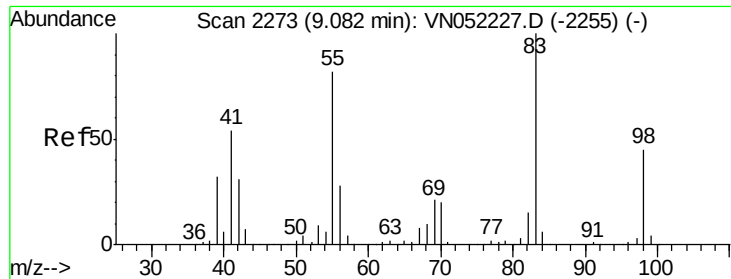
#38
Carbon Tetrachloride
Concen: 18.926 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052227.D
Acq: 13 Nov 2018 15:30

Tgt Ion: 117 Resp: 81397
Ion Ratio Lower Upper
117 100
119 92.2 75.8 113.8
121 30.6 23.4 35.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

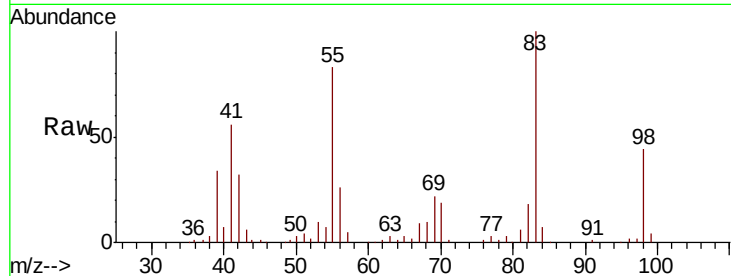




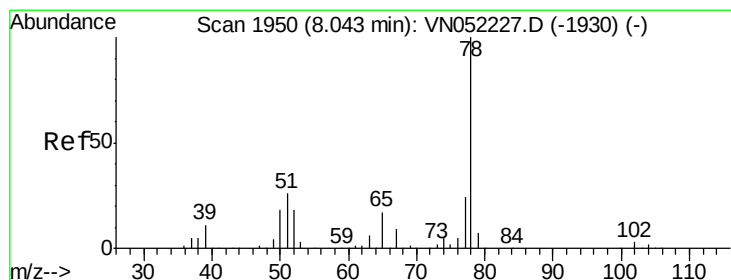
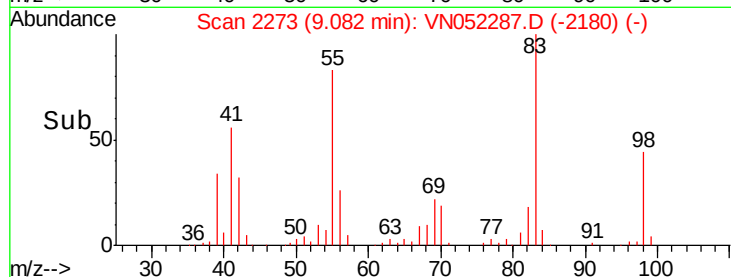
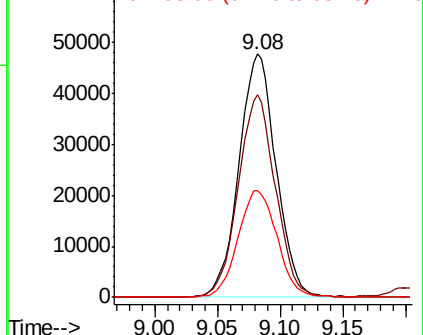
#39
Methylvlcyclohexane
Concen: 18.177 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 98394
Ion Ratio Lower Upper
83 100
55 83.1 65.2 97.8
98 44.0 36.3 54.5

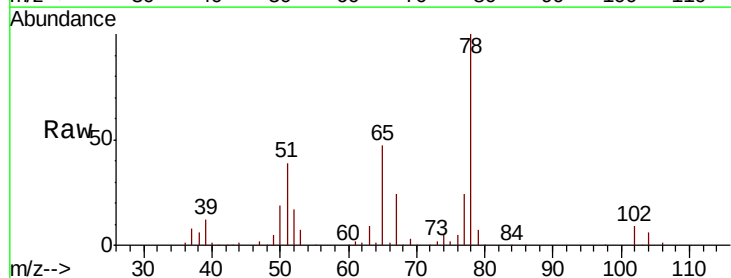


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

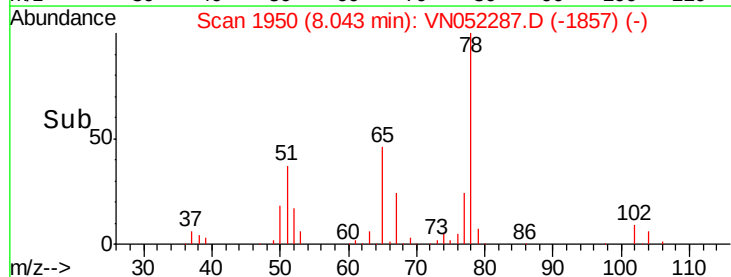
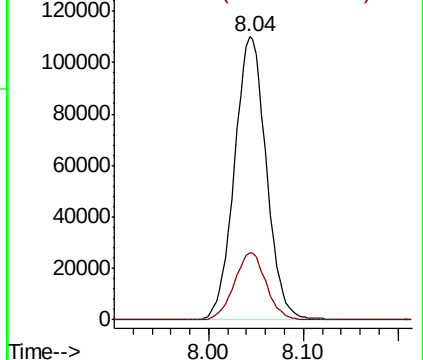


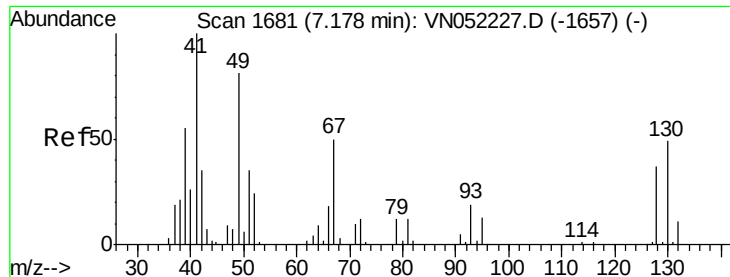
#40
Benzene
Concen: 18.968 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

Tgt Ion: 78 Resp: 257730
Ion Ratio Lower Upper
78 100
77 23.8 19.2 28.8



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

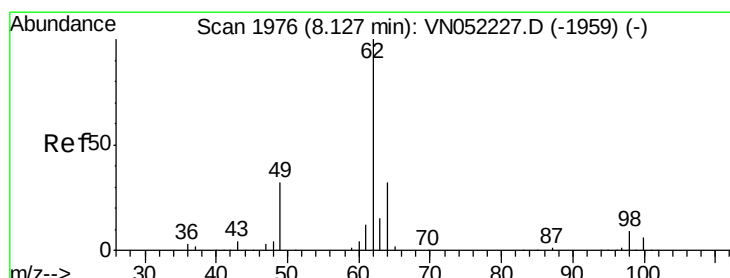
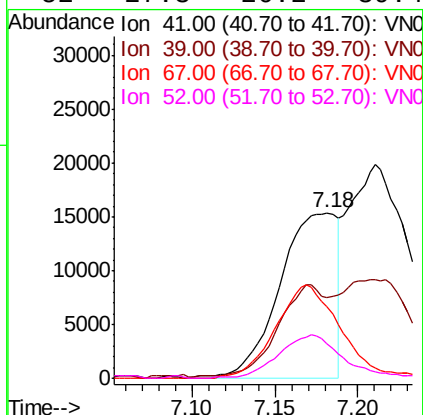
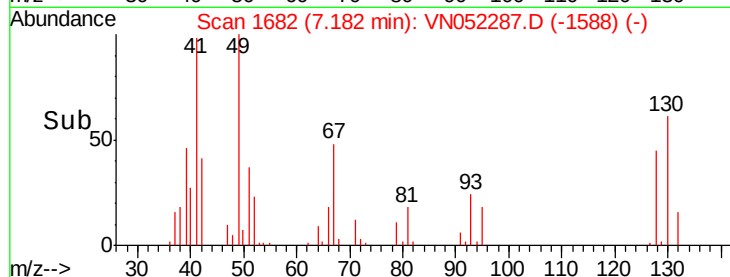
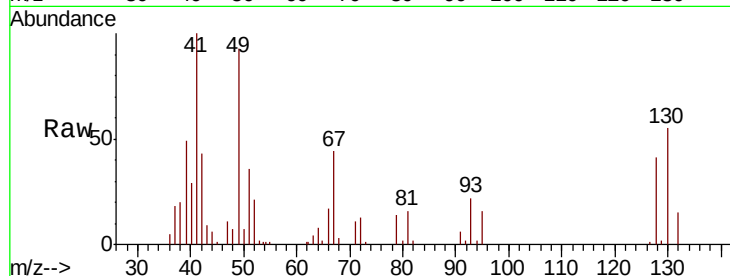




#41
Methacrylonitrile
Concen: 17.925 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

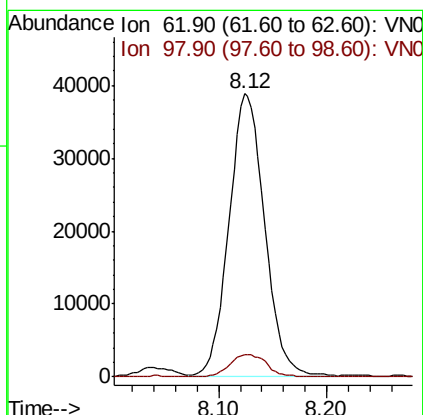
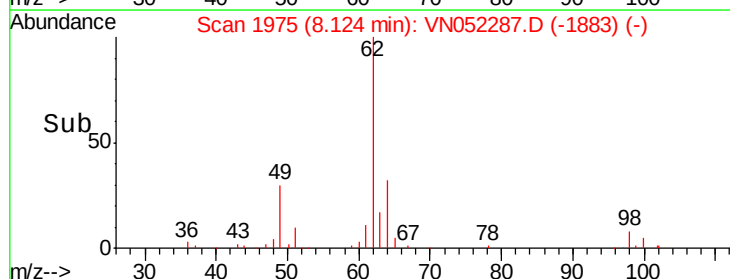
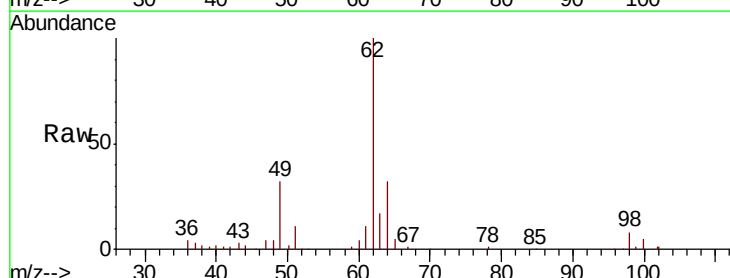
Instrument :
MSVOA_N
ClientSampled :

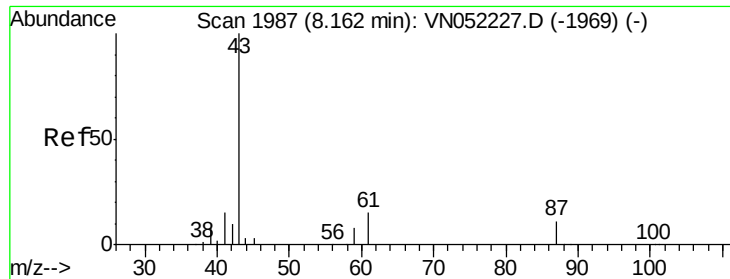
Tot Ion: 41 Resp: 37179
Ion Ratio Lower Upper
41 100
39 45.1 47.8 71.6#
67 63.8 54.3 81.5
52 27.3 26.2 39.4



#42
1,2-Dichloroethane
Concen: 18.696 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

Tgt Ion: 62 Resp: 89134
Ion Ratio Lower Upper
62 100
98 8.2 0.0 16.4





#43

Isopropyl Acetate

Concen: 18.881 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Instrument :

MSVOA_N

ClientSampleId :

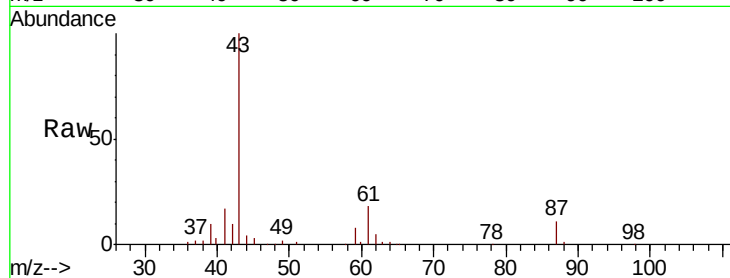
Tot Ion: 43 Resp: 117473

Ion Ratio Lower Upper

43 100

61 15.4 14.2 21.4

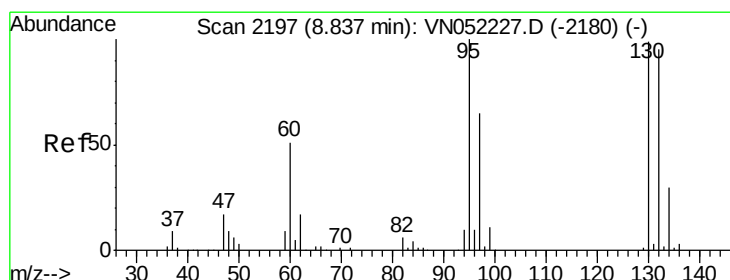
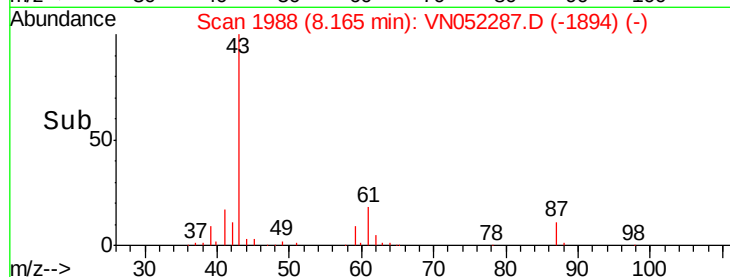
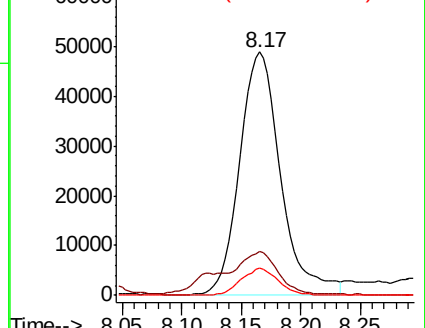
87 10.2 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN052227.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN052227.D (-1969) (-)



#44

Trichloroethene

Concen: 18.587 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052287.D

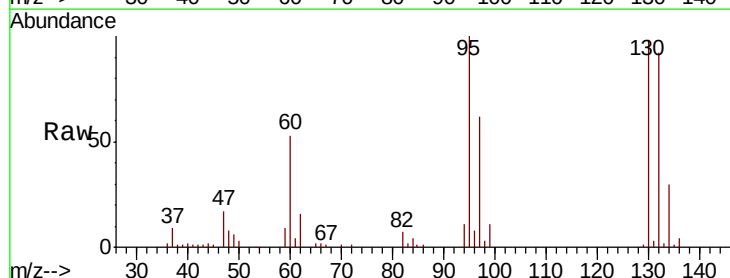
Acq: 13 Nov 2018 15:30

Tgt Ion:130 Resp: 63287

Ion Ratio Lower Upper

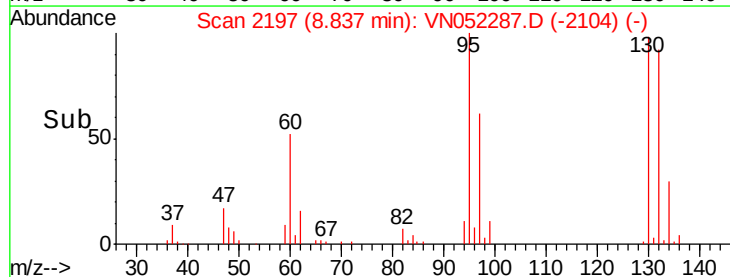
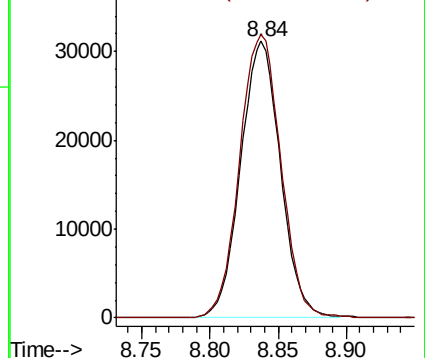
130 100

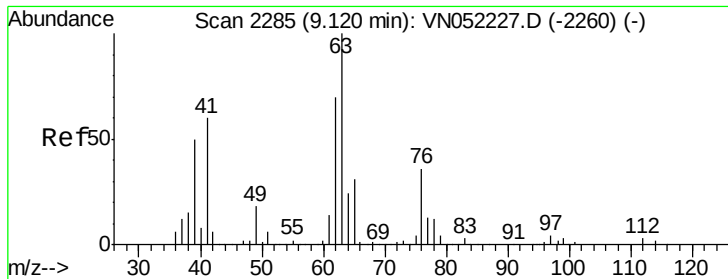
95 102.3 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN052227.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN052227.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 19.350 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Instrument :

MSVOA_N

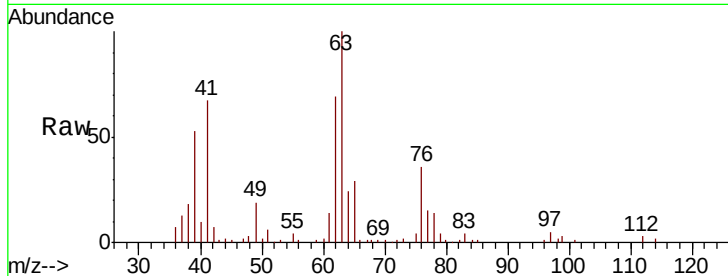
ClientSampleId :

Tot Ion: 63 Resp: 73452

Ion Ratio Lower Upper

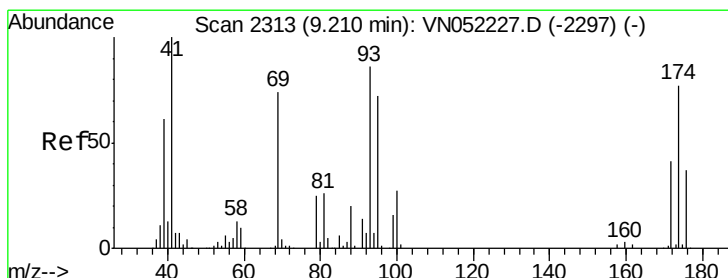
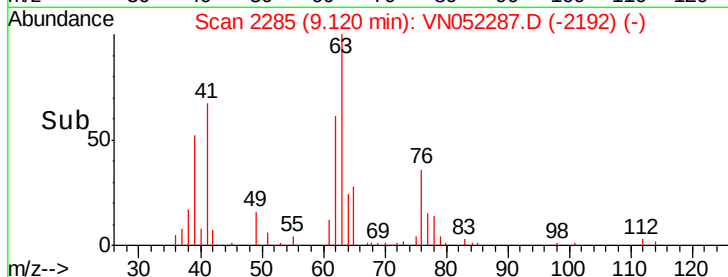
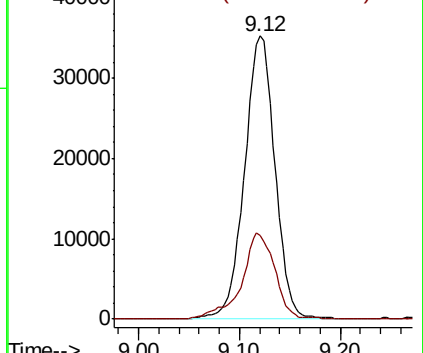
63 100

65 29.4 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.964 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

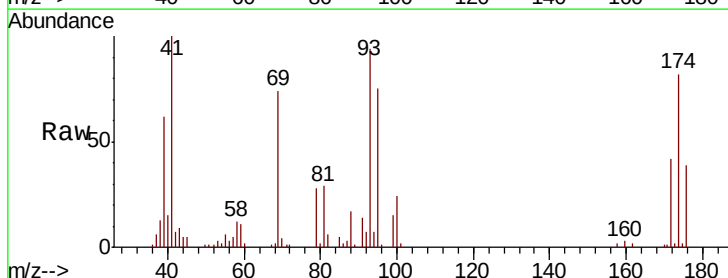
Tgt Ion: 93 Resp: 41351

Ion Ratio Lower Upper

93 100

95 81.5 67.0 100.4

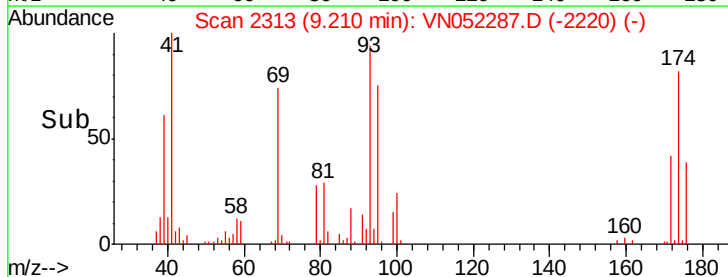
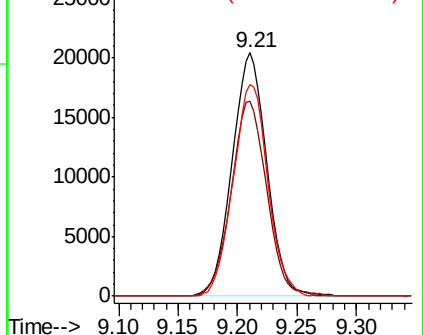
174 87.1 72.1 108.1

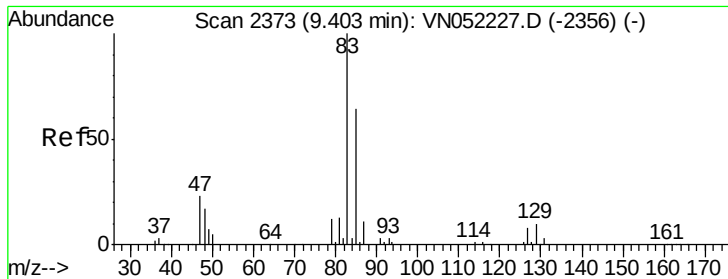


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.147 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Instrument :

MSVOA_N

ClientSampleId :

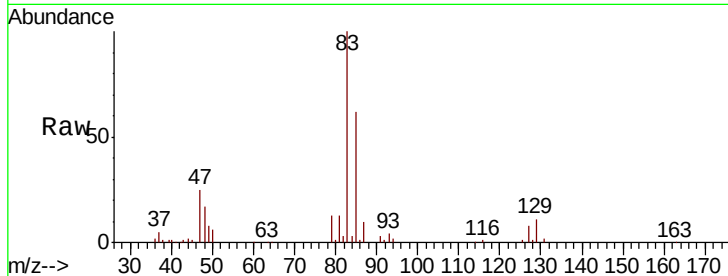
Tot Ion: 83 Resp: 86497

Ion Ratio Lower Upper

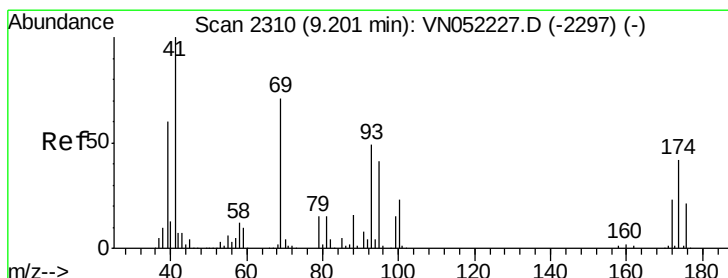
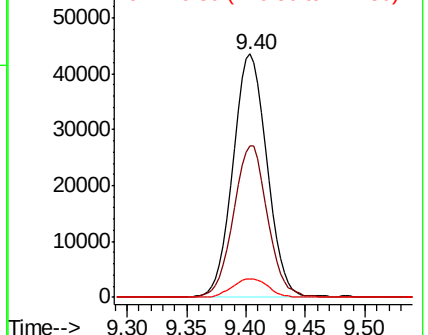
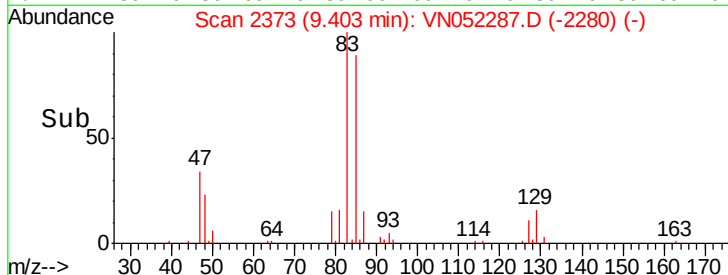
83 100

85 62.4 51.2 76.8

127 7.8 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VN052287.D (-2280) (-)



#48

Methyl methacrylate

Concen: 17.429 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

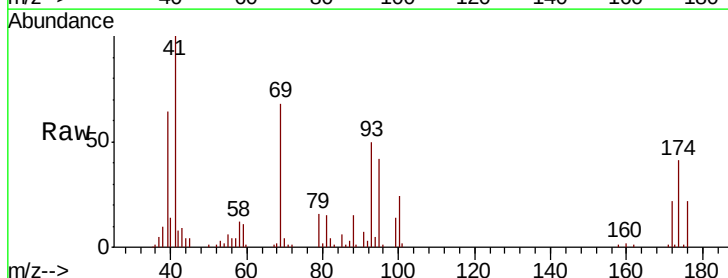
Tgt Ion: 41 Resp: 57138

Ion Ratio Lower Upper

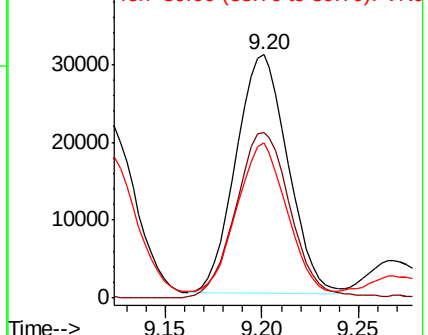
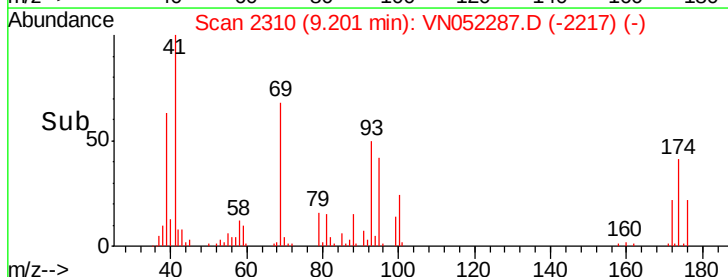
41 100

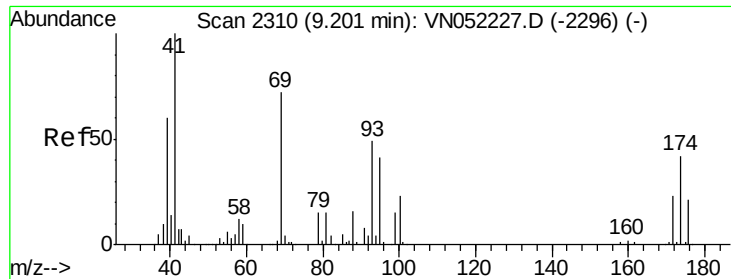
69 73.3 58.8 88.2

39 63.6 50.7 76.1



Abundance Ion 41.00 (40.70 to 41.70): VN052287.D (-2217) (-)

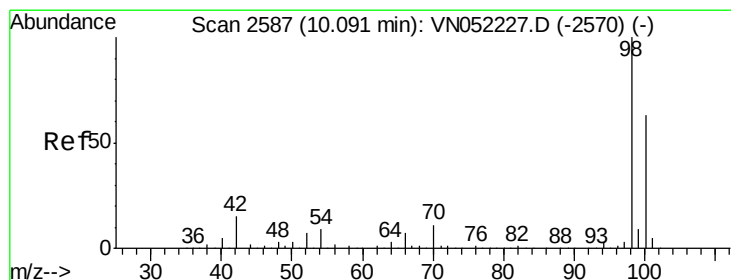
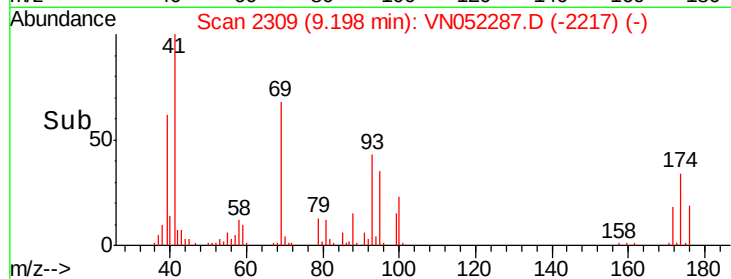
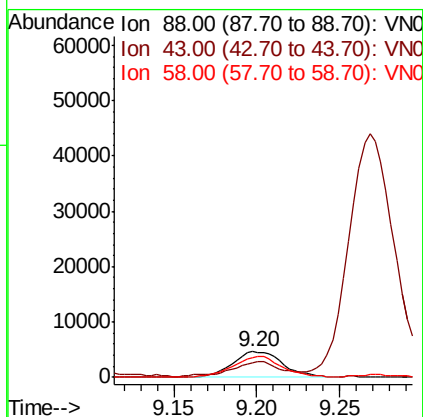
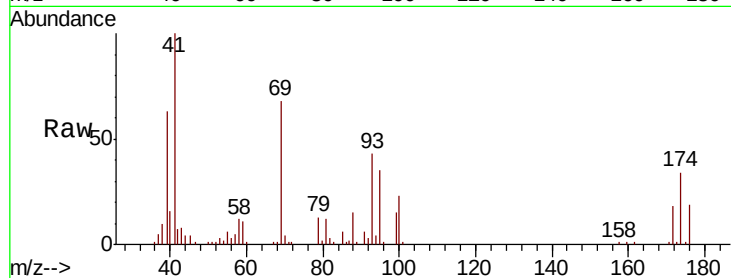




#49
1,4-Dioxane
Concen: 374.868 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

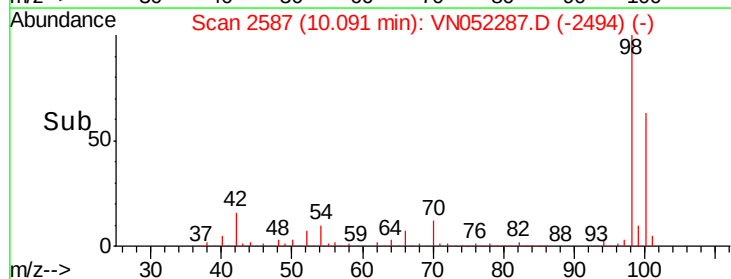
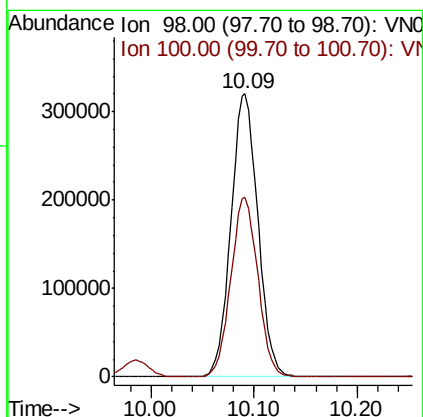
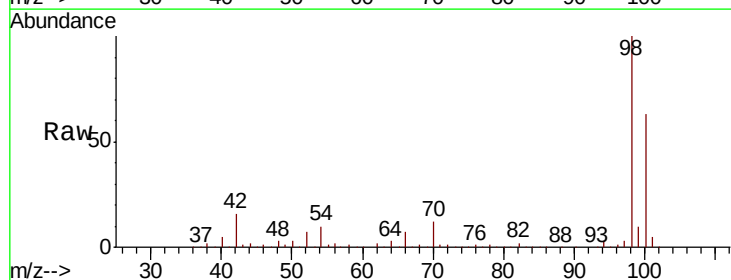
Instrument :
MSVOA_N
ClientSampled :

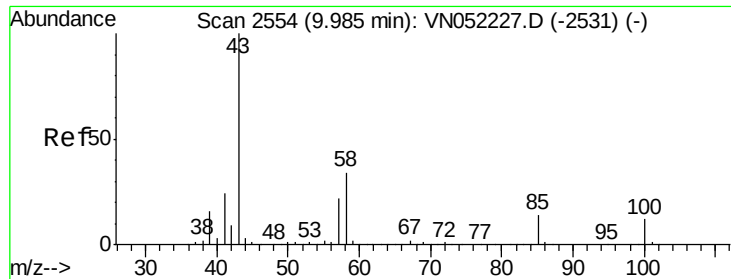
Tot Ion: 88 Resp: 9879
Ion Ratio Lower Upper
88 100
43 53.8 32.5 48.7#
58 79.7 58.2 87.4



#50
Toluene-d8
Concen: 374.868 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

Tgt Ion: 98 Resp: 583232
Ion Ratio Lower Upper
98 100
100 63.5 50.2 75.2





#51

4-Methyl-2-Pentanone

Concen: 88.078 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Instrument :

MSVOA_N

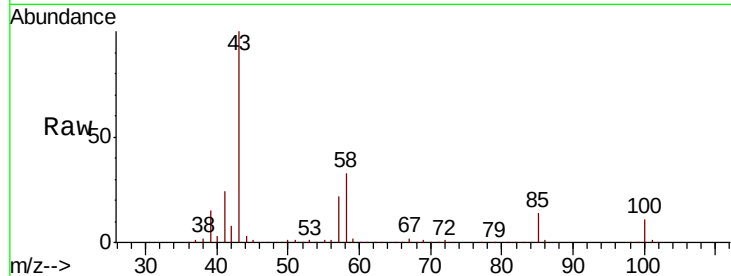
ClientSampled :

Tot Ion: 43 Resp: 302639

Ion Ratio Lower Upper

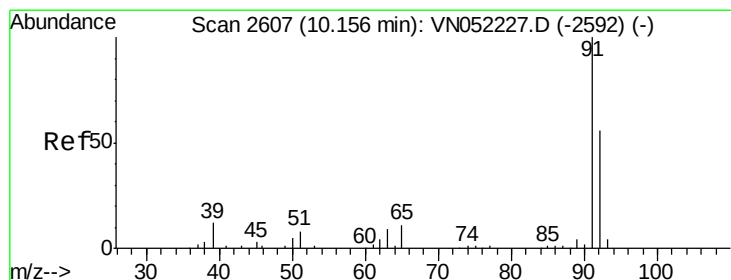
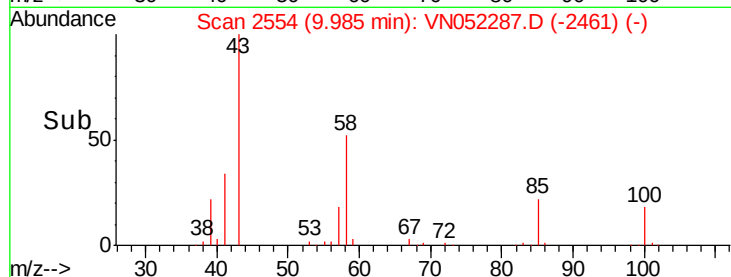
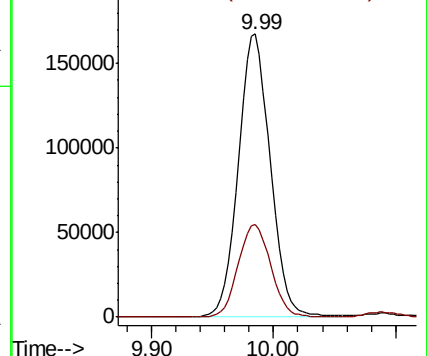
43 100

58 33.7 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.167 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052287.D

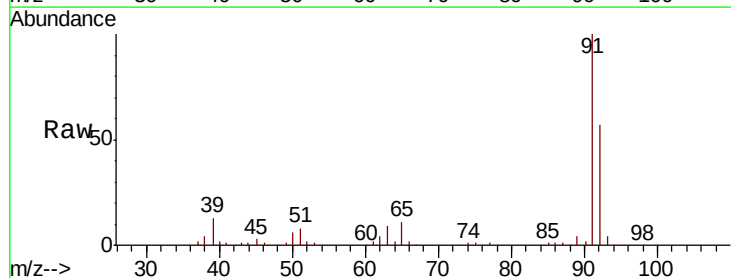
Acq: 13 Nov 2018 15:30

Tgt Ion: 92 Resp: 157105

Ion Ratio Lower Upper

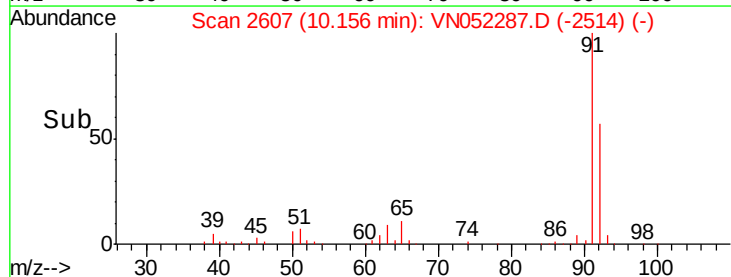
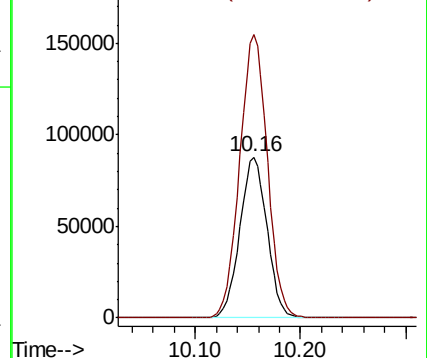
92 100

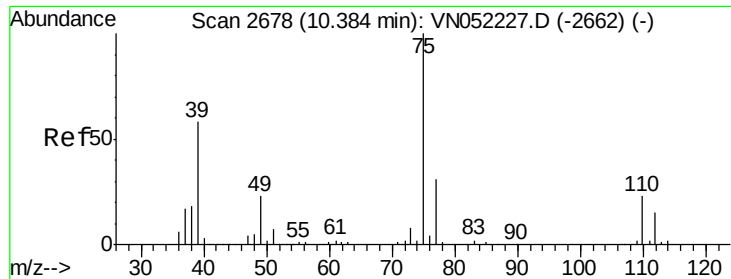
91 179.3 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.618 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Instrument :

MSVOA_N

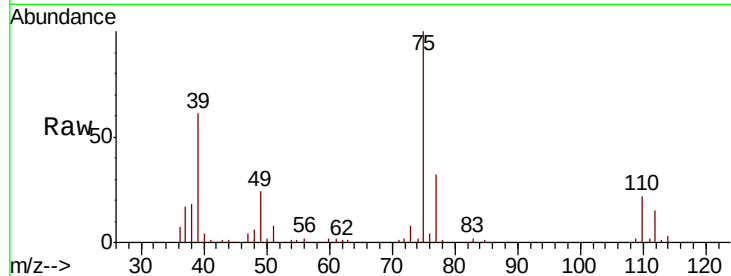
ClientSampled :

Tot Ion: 75 Resp: 82999

Ion Ratio Lower Upper

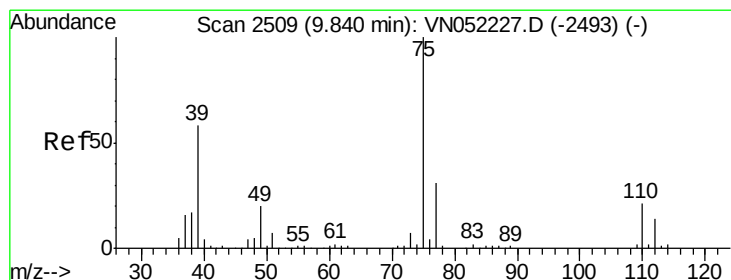
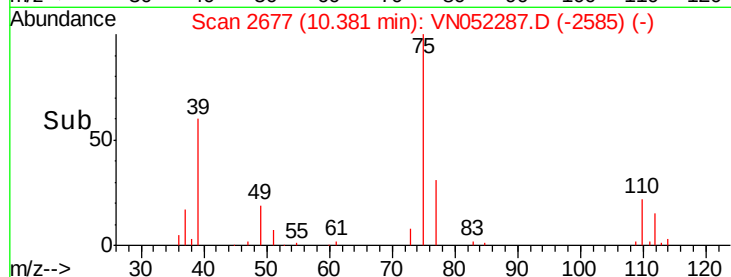
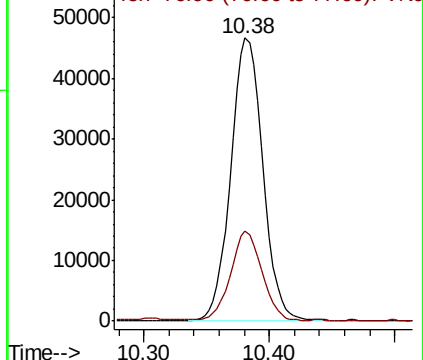
75 100

77 31.9 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.517 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

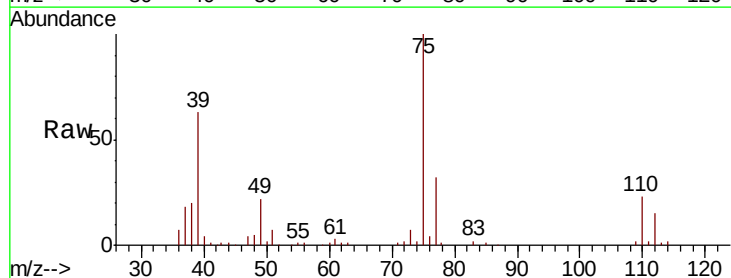
Tgt Ion: 75 Resp: 97446

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

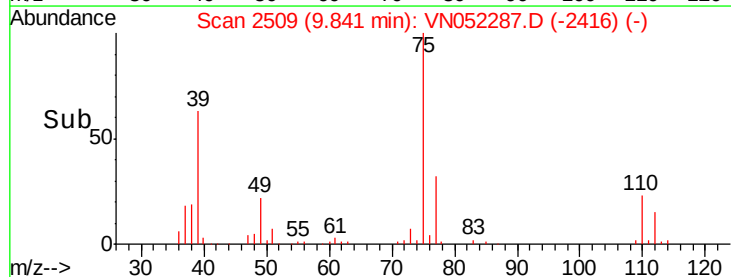
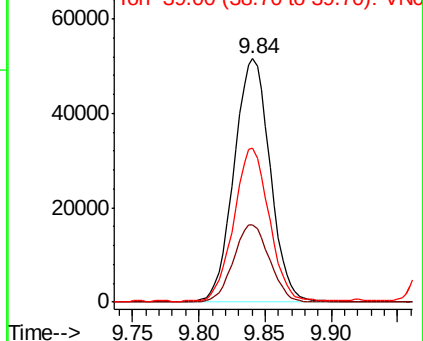
39 62.4 46.6 70.0

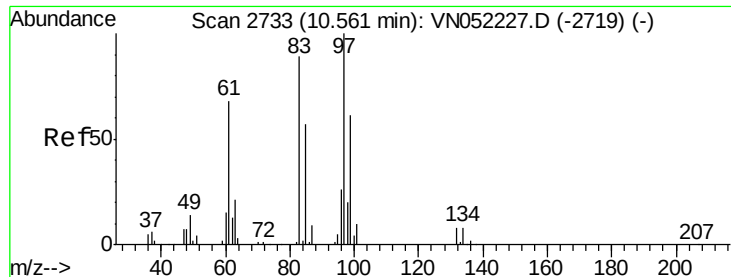


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

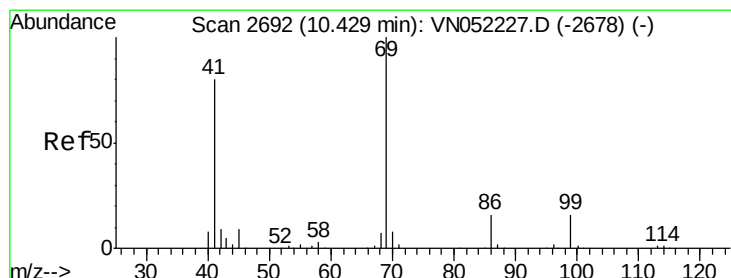
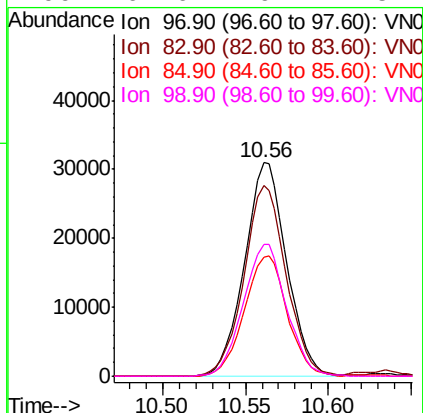
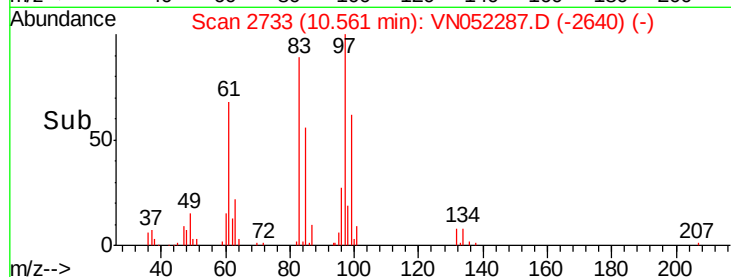
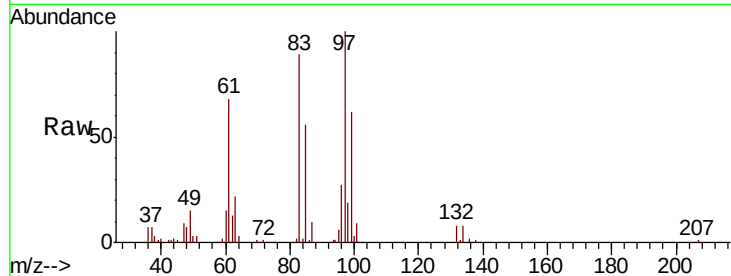




#55
 1,1,2-Trichloroethane
 Concen: 18.408 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

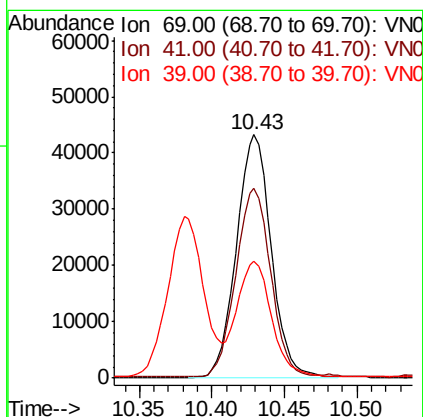
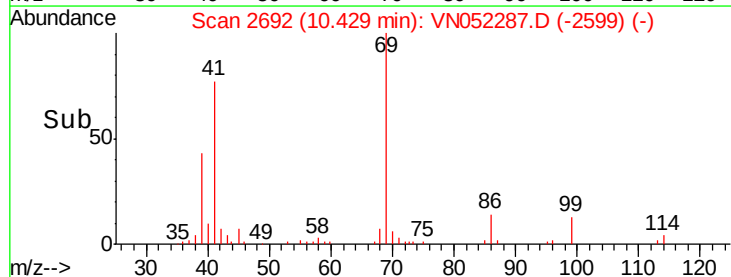
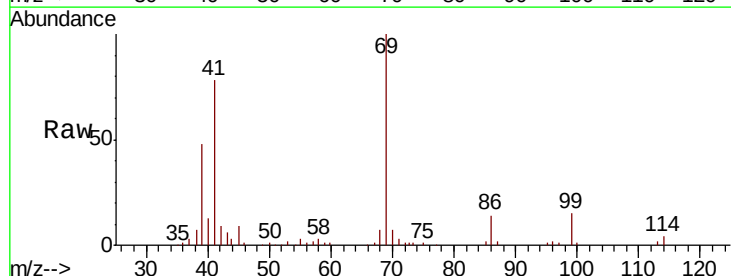
Instrument :
 MSVOA_N
 ClientSampled :

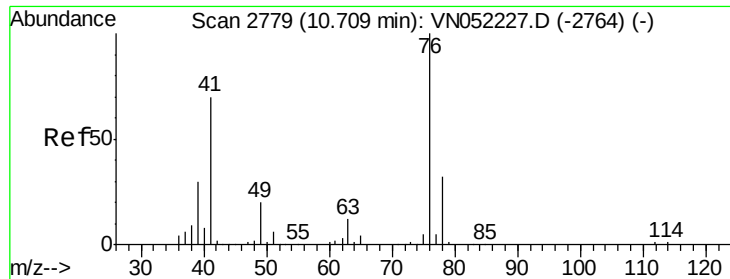
Tot Ion: 97 Resp: 54536
 Ion Ratio Lower Upper
 97 100
 83 89.2 71.2 106.8
 85 55.9 45.6 68.4
 99 61.6 49.1 73.7



#56
 Ethyl methacrylate
 Concen: 18.024 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

Tgt Ion: 69 Resp: 72170
 Ion Ratio Lower Upper
 69 100
 41 77.2 64.0 96.0
 39 47.3 37.8 56.8

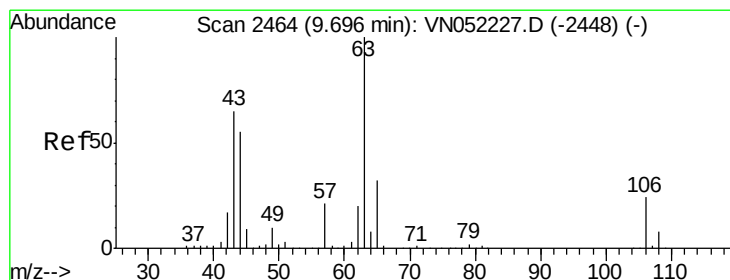
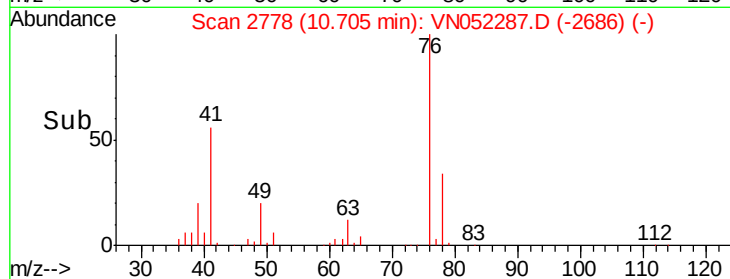
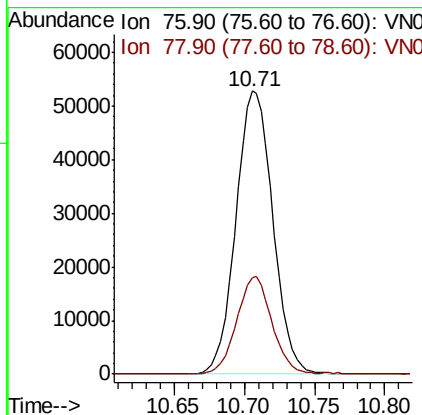
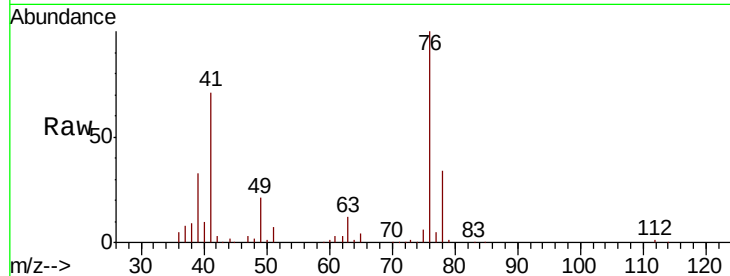




#57
 1,3-Dichloropropane
 Concen: 18.240 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

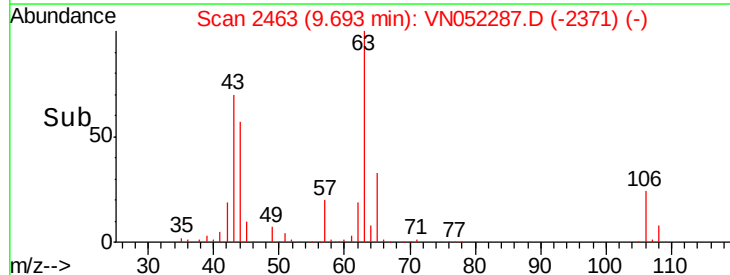
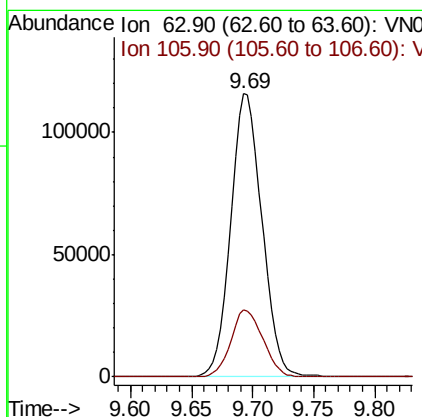
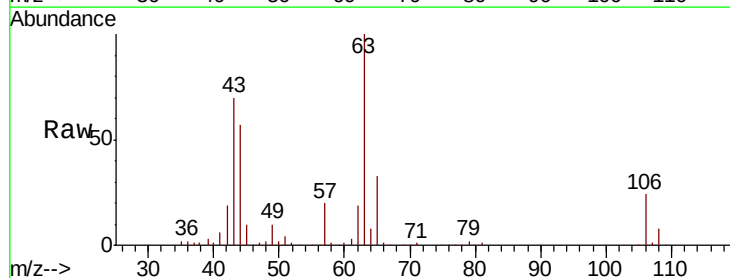
Instrument :
 MSVOA_N
 ClientSampleId :

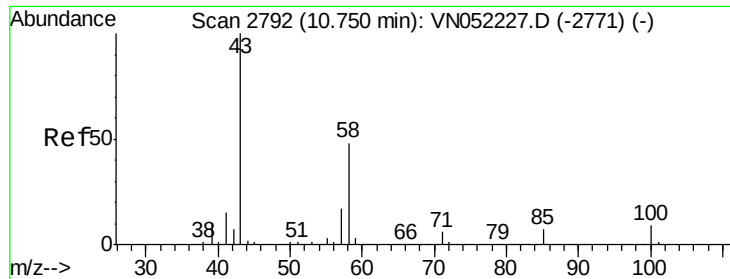
Tot Ion: 76 Resp: 96736
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.274 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

Tgt Ion: 63 Resp: 206796
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.5 29.3





#59

2-Hexanone

Concen: 81.352 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Instrument :

MSVOA_N

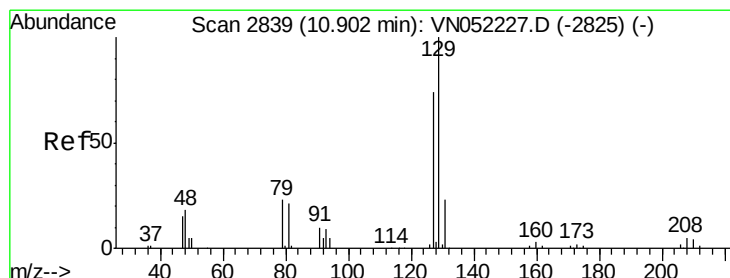
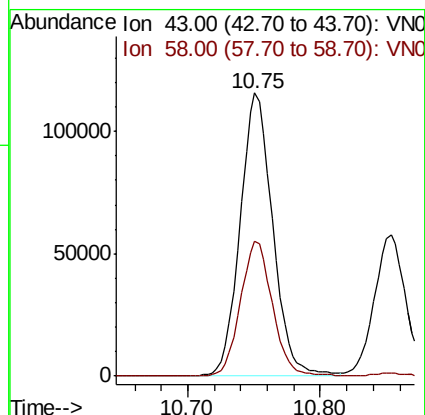
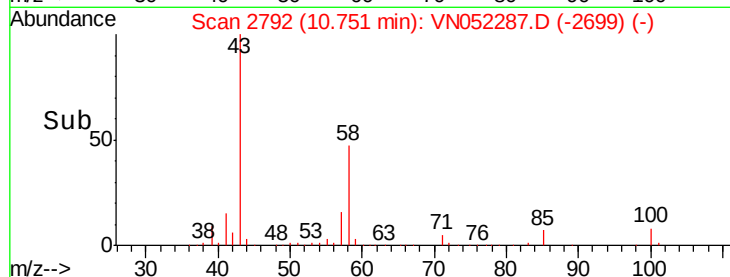
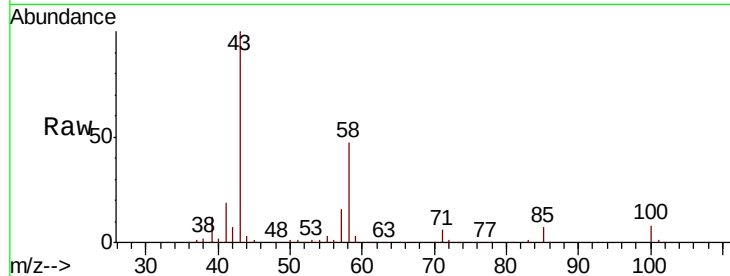
ClientSampleId :

Tot Ion: 43 Resp: 196227

Ion Ratio Lower Upper

43 100

58 47.0 24.1 72.3



#60

Dibromochloromethane

Concen: 19.169 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052287.D

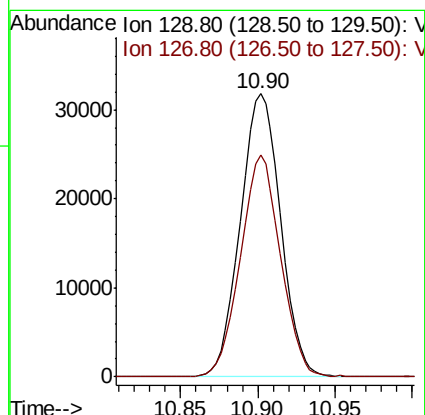
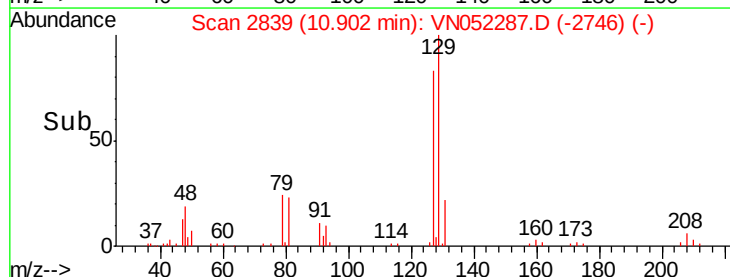
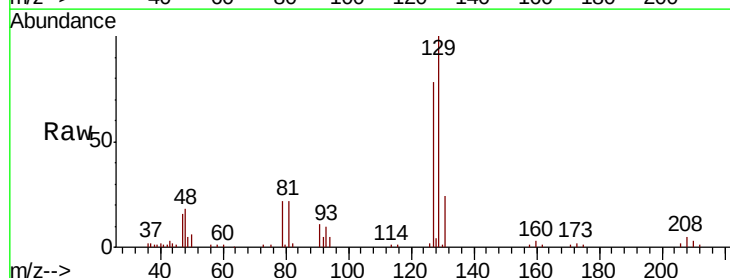
Acq: 13 Nov 2018 15:30

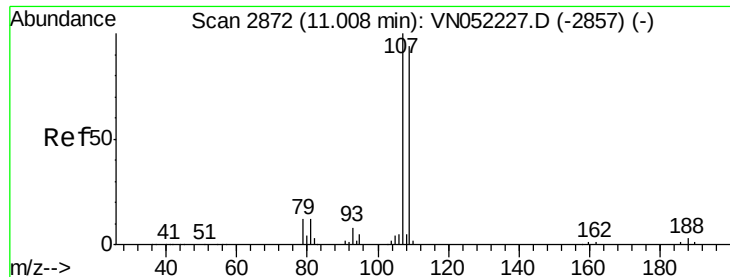
Tgt Ion: 129 Resp: 57606

Ion Ratio Lower Upper

129 100

127 77.7 38.0 114.1





#61

1,2-Dibromoethane

Concen: 18.567 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Instrument :

MSVOA_N

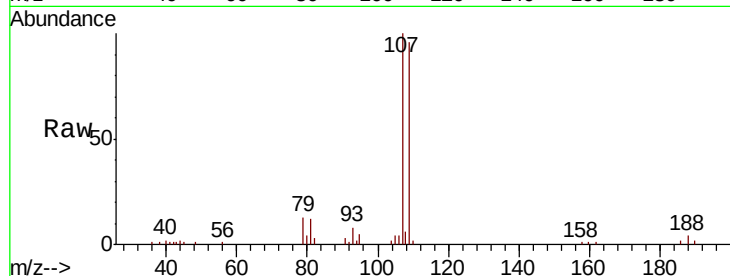
ClientSampleId :

Tot Ion:107 Resp: 54060

Ion Ratio Lower Upper

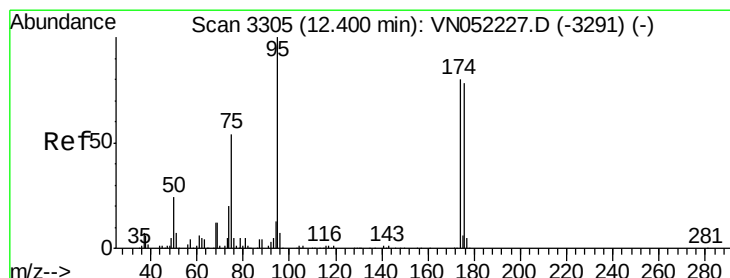
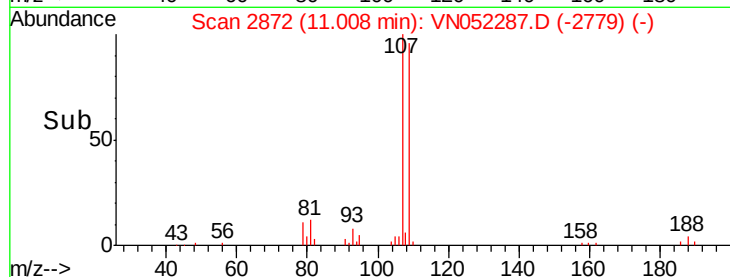
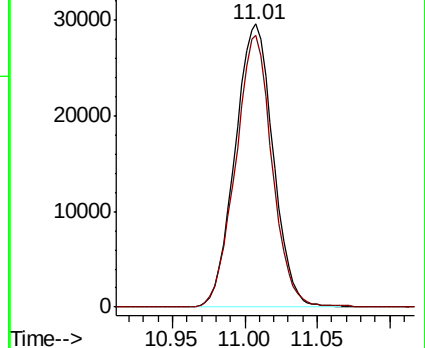
107 100

109 92.3 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.567 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

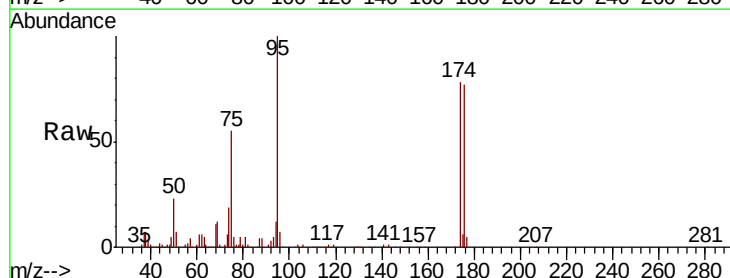
Tgt Ion: 95 Resp: 187331

Ion Ratio Lower Upper

95 100

174 78.6 0.0 159.4

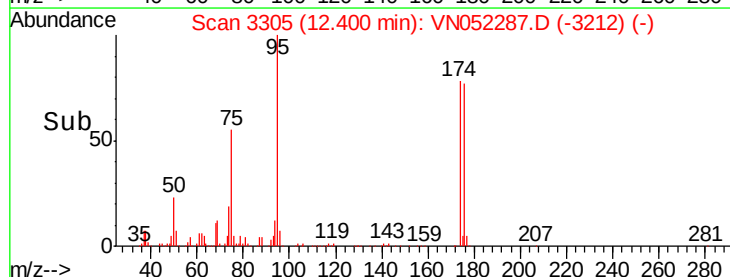
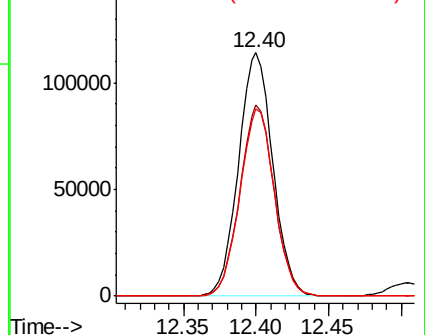
176 77.4 0.0 157.8

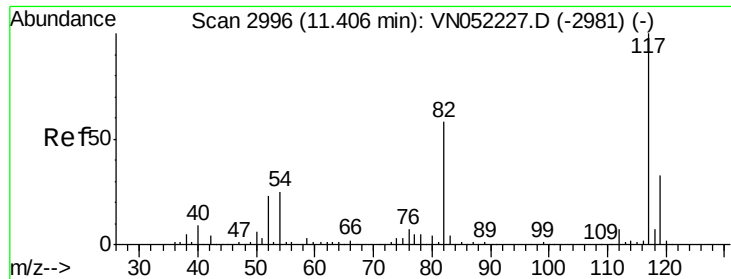


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

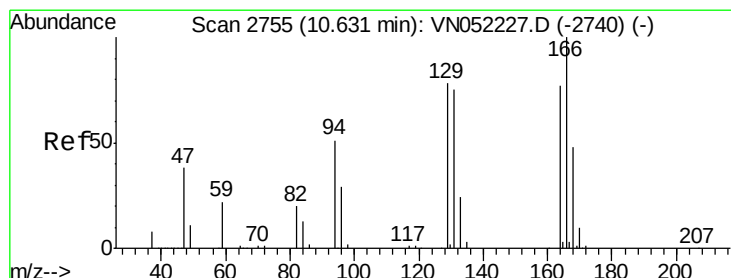
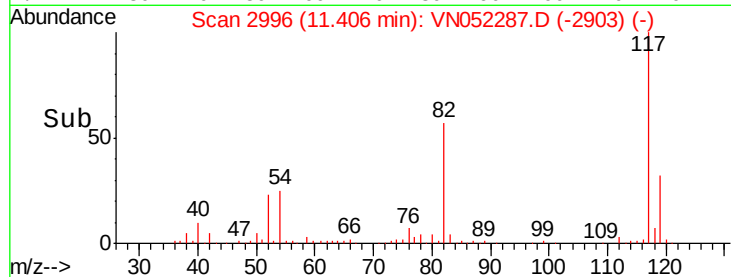
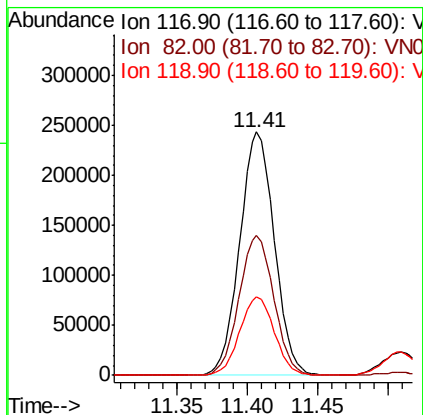
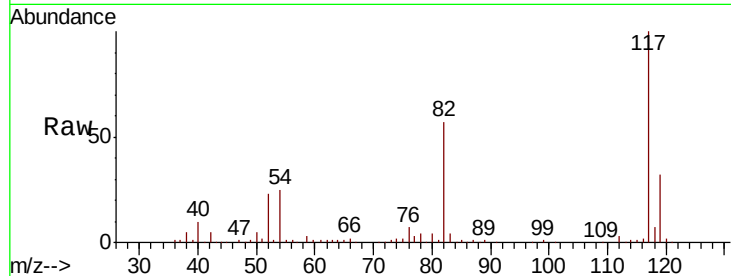




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

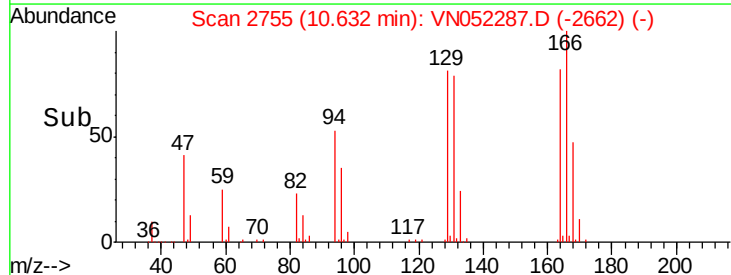
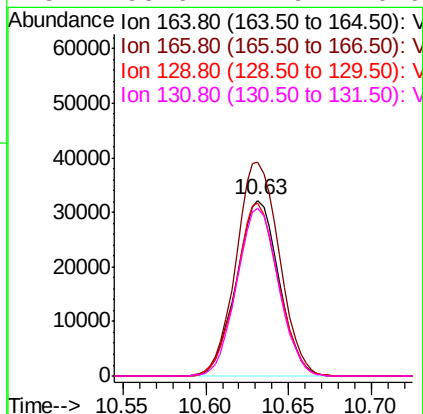
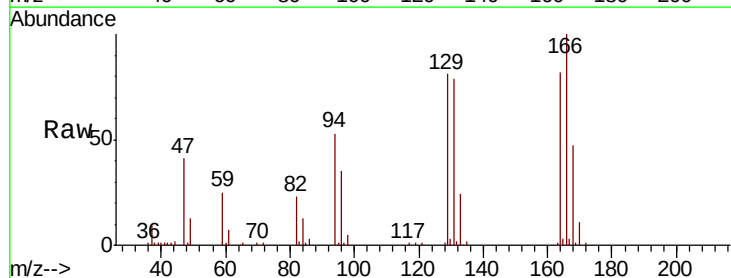
Instrument :
MSVOA_N
ClientSampled :

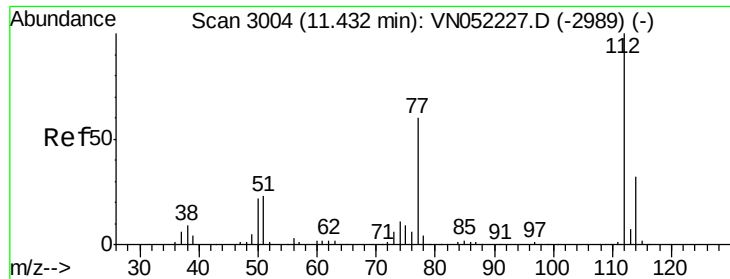
Tot Ion:117 Resp: 419731
Ion Ratio Lower Upper
117 100
82 57.4 46.2 69.2
119 32.1 26.2 39.4



#64
Tetrachloroethene
Concen: 19.493 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

Tgt Ion:164 Resp: 57283
Ion Ratio Lower Upper
164 100
166 121.4 103.6 155.4
129 98.5 81.0 121.6
131 95.6 77.9 116.9

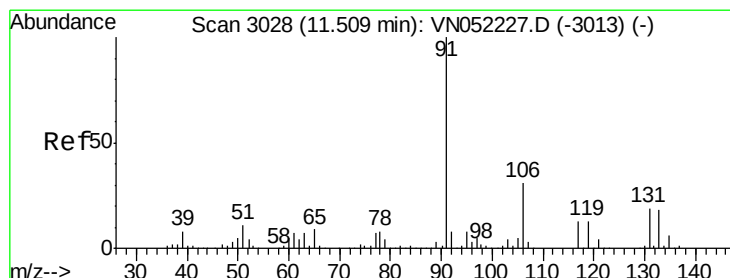
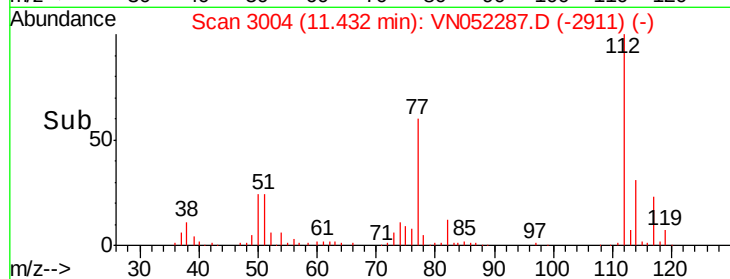
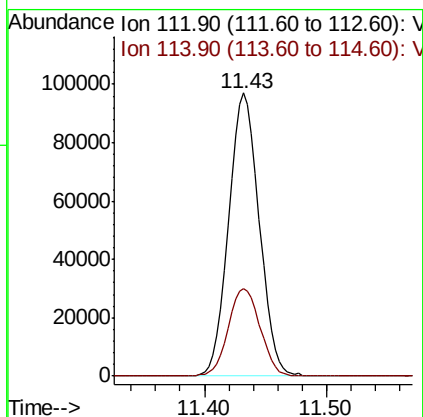
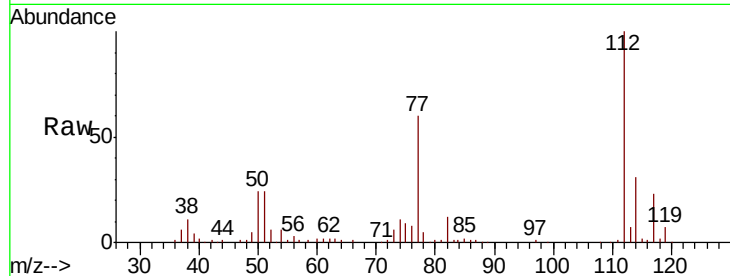




#65
Chlorobenzene
Concen: 19.044 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

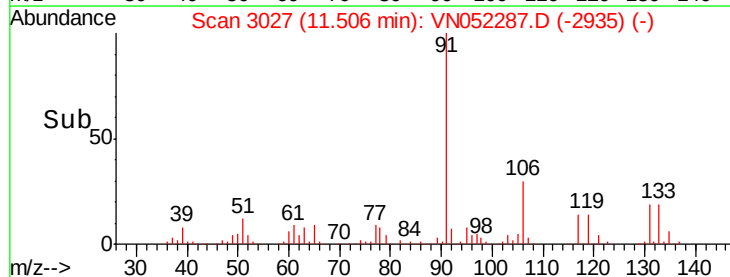
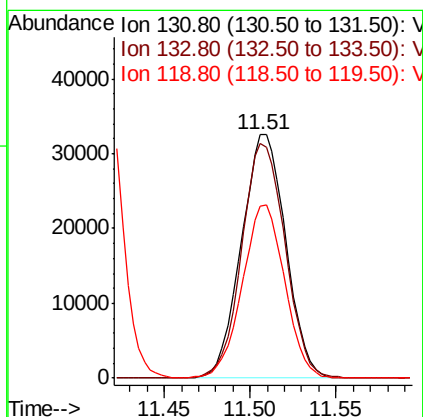
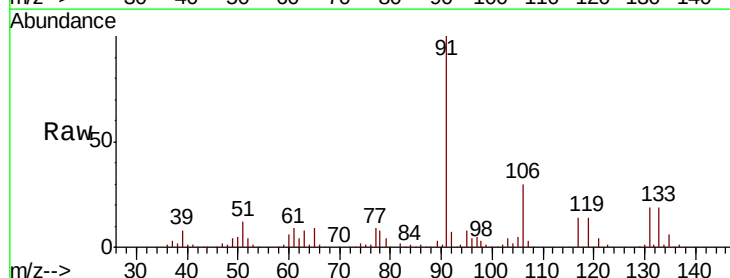
Instrument :
MSVOA_N
ClientSampled :

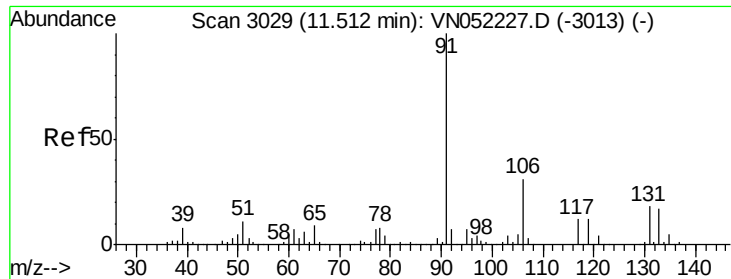
Tot Ion:112 Resp: 169373
Ion Ratio Lower Upper
112 100
114 30.8 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.318 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

Tgt Ion:131 Resp: 58197
Ion Ratio Lower Upper
131 100
133 94.5 48.3 144.9
119 68.2 34.6 103.9

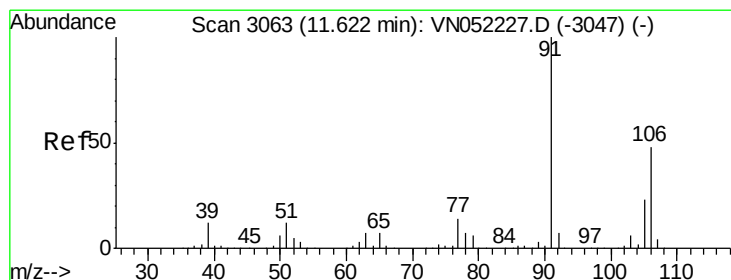
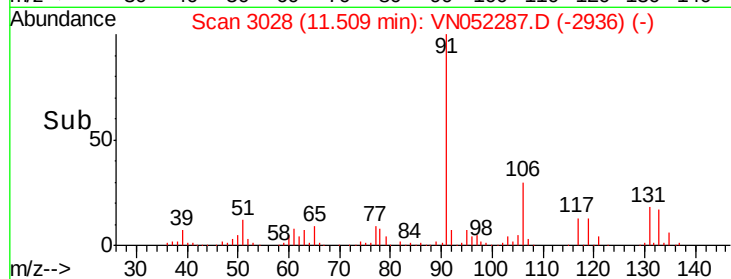
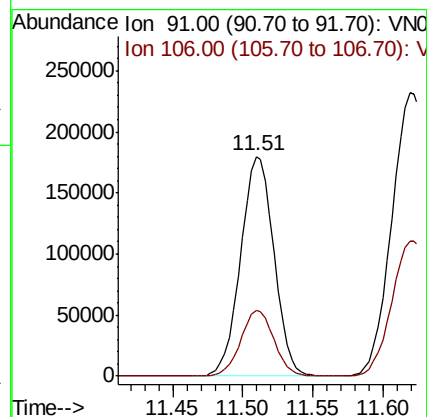
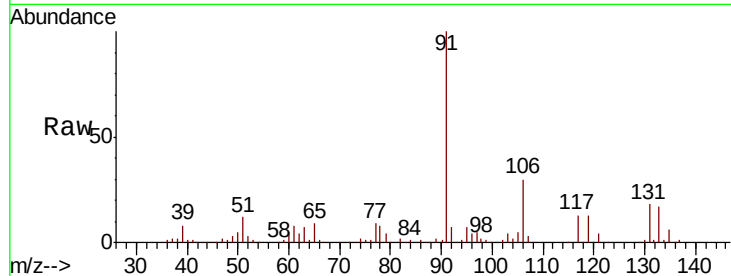




#67
Ethyl Benzene
Concen: 19.073 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

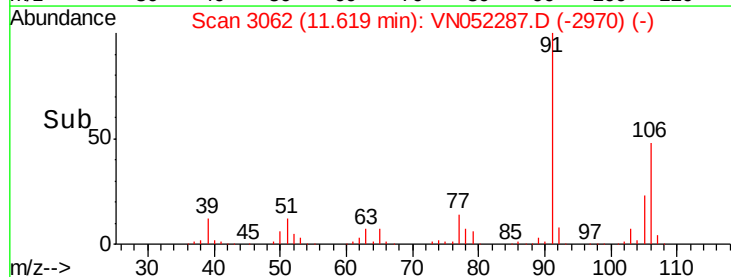
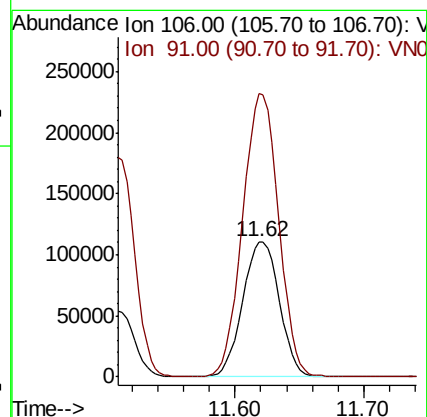
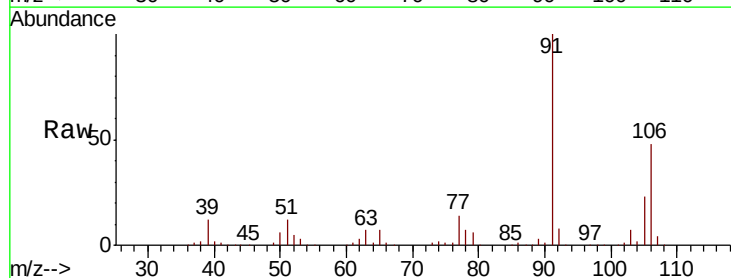
Instrument :
MSVOA_N
ClientSampled :

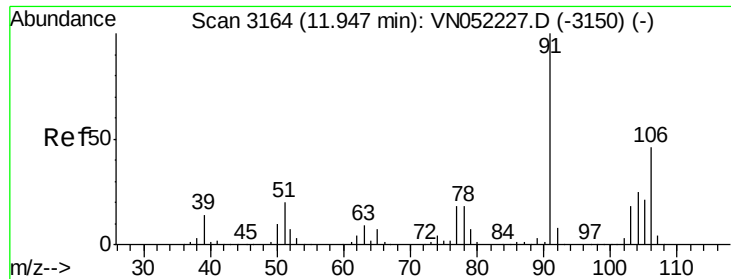
Tot Ion: 91 Resp: 298372
Ion Ratio Lower Upper
91 100
106 30.1 24.7 37.1



#68
m/p-Xylenes
Concen: 37.588 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

Tgt Ion: 106 Resp: 218980
Ion Ratio Lower Upper
106 100
91 205.4 165.7 248.5

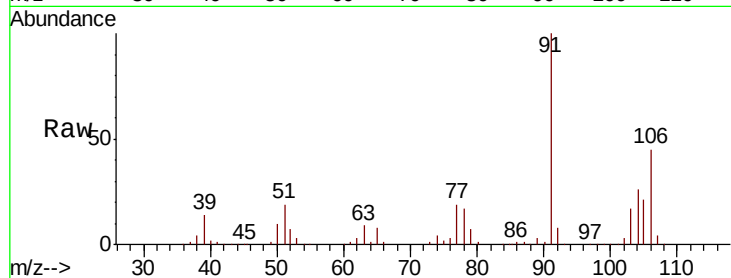




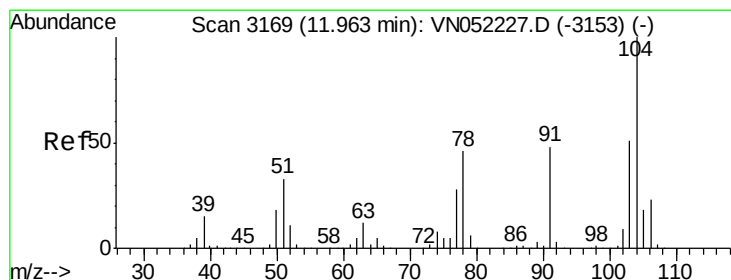
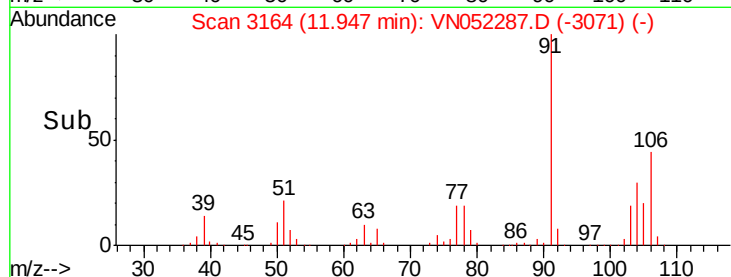
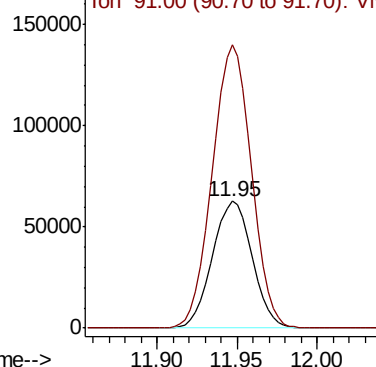
#69
o-Xylene
Concen: 19.079 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 106195
Ion Ratio Lower Upper
106 100
91 219.3 108.5 325.5

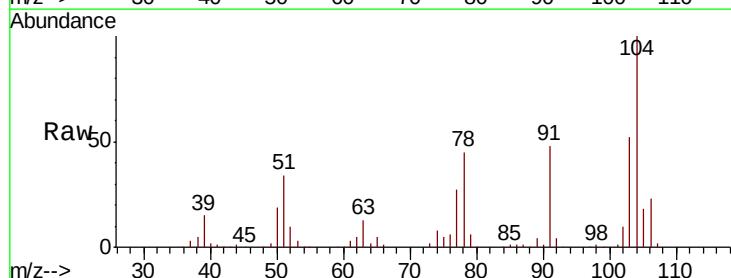


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

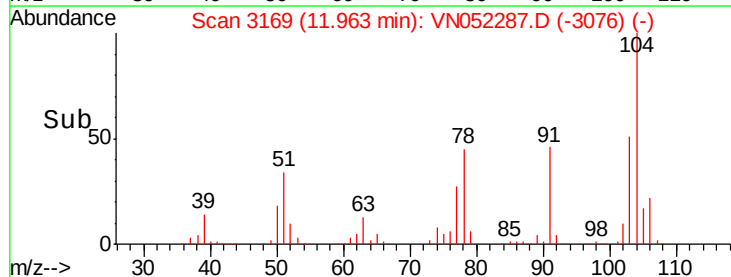
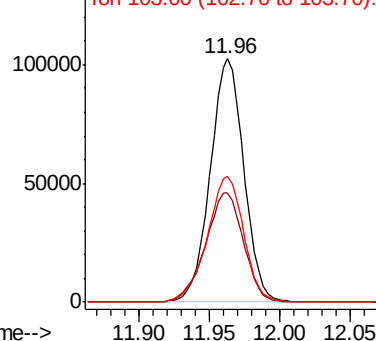


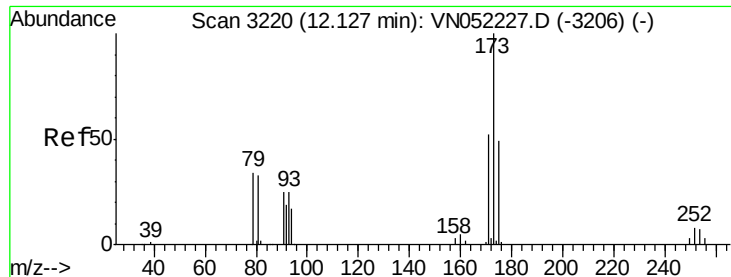
#70
Styrene
Concen: 19.039 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

Tgt Ion:104 Resp: 171202
Ion Ratio Lower Upper
104 100
78 50.6 41.8 62.6
103 55.8 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.096 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Instrument :

MSVOA_N

ClientSampled :

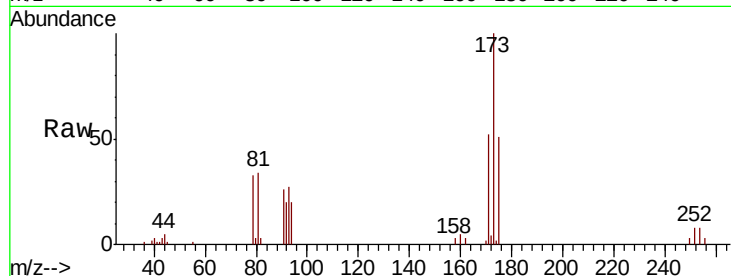
Tot Ion:173 Resp: 32523

Ion Ratio Lower Upper

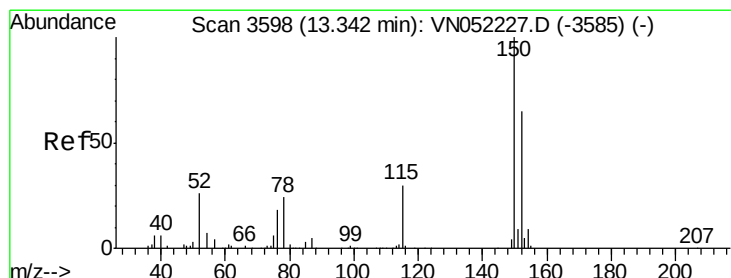
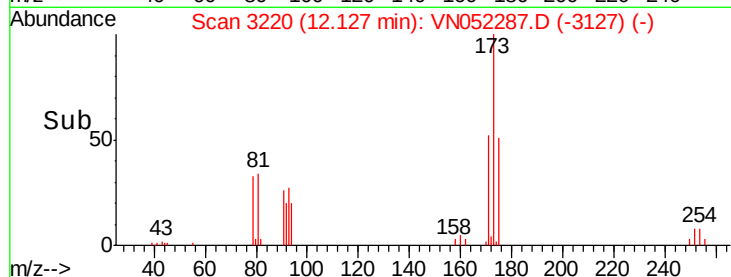
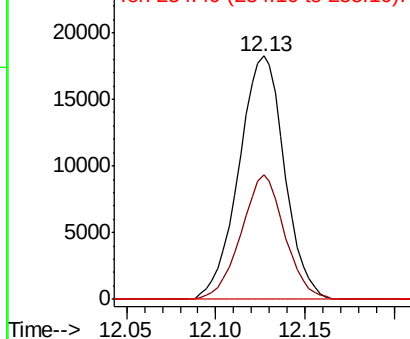
173 100

175 48.8 24.5 73.5

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

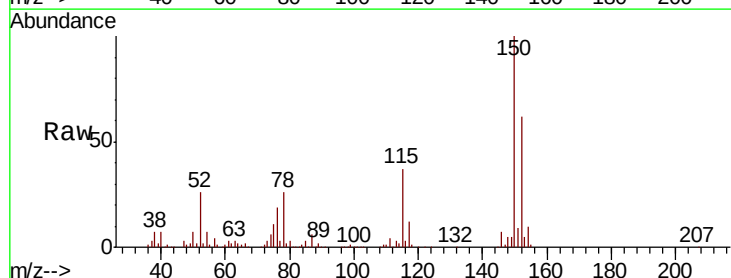
Tgt Ion:152 Resp: 177979

Ion Ratio Lower Upper

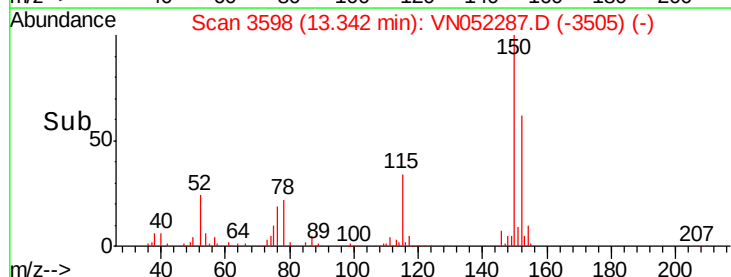
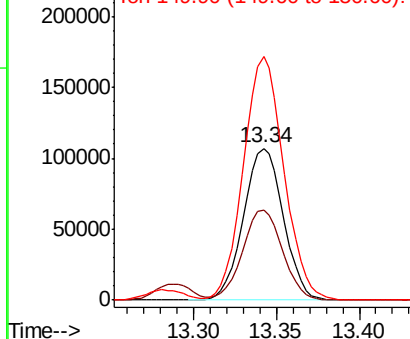
152 100

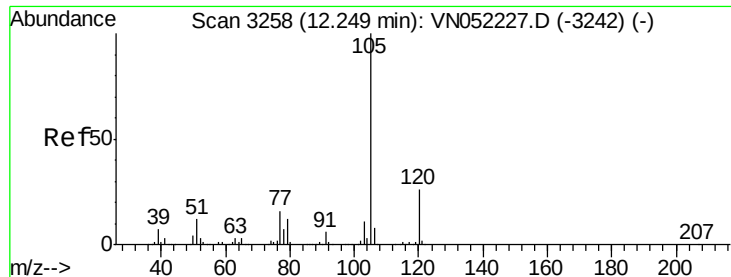
115 59.4 29.8 89.5

150 163.3 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.562 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Instrument :

MSVOA_N

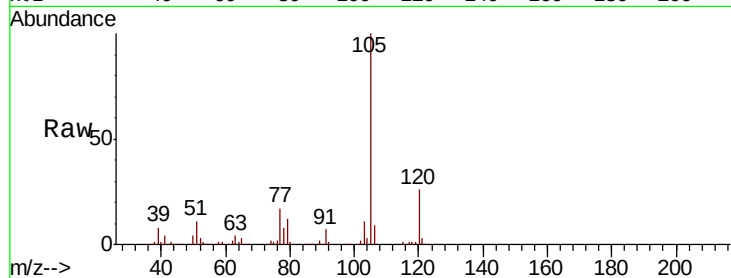
ClientSampleId :

Tot Ion:105 Resp: 284608

Ion Ratio Lower Upper

105 100

120 25.4 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

200000

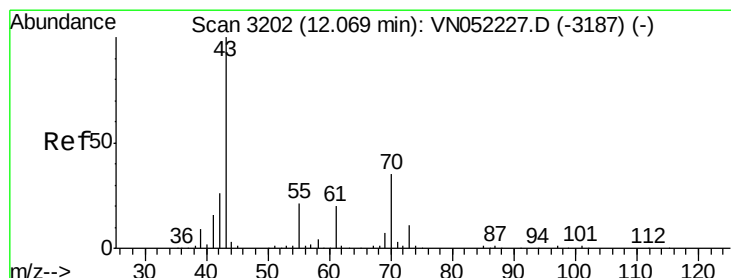
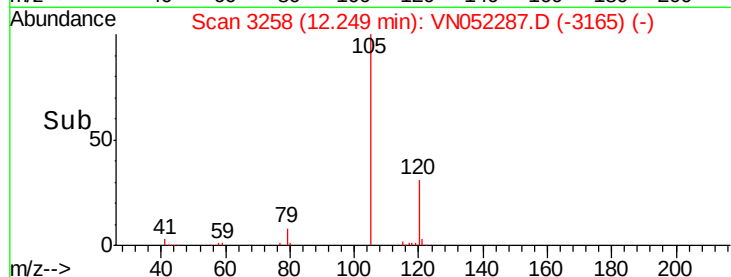
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.214 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Tgt Ion: 43 Resp: 96205

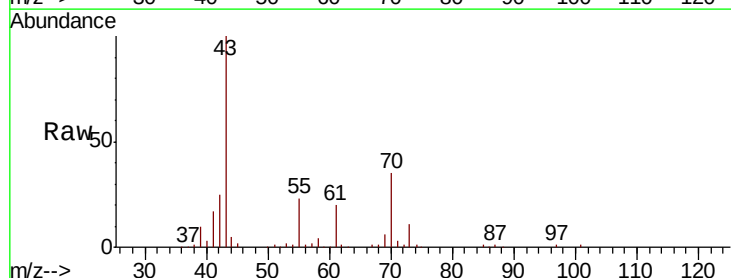
Ion Ratio Lower Upper

43 100

70 34.2 28.2 42.2

55 23.0 17.4 26.2

61 19.8 16.3 24.5



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

12.07

80000

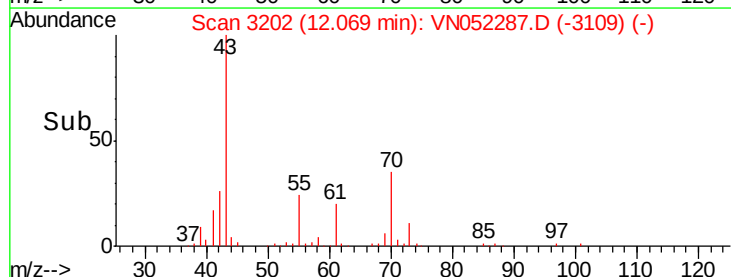
60000

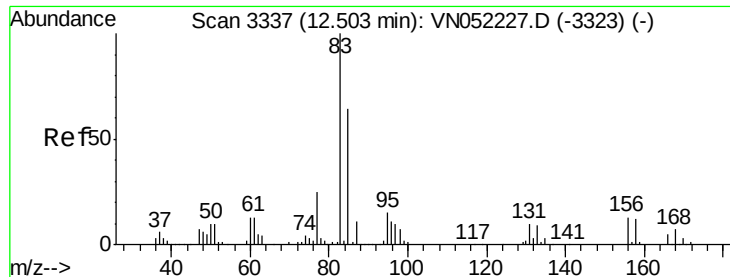
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.629 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Instrument :

MSVOA_N

ClientSampled :

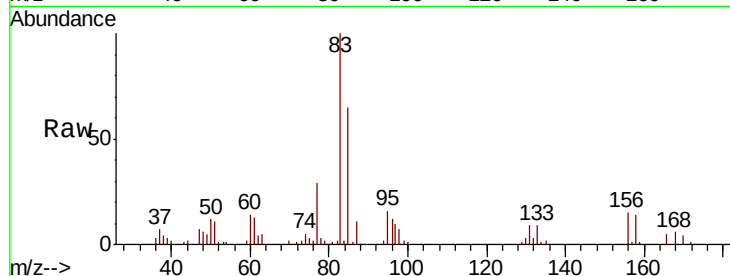
Tot Ion: 83 Resp: 66446

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.2

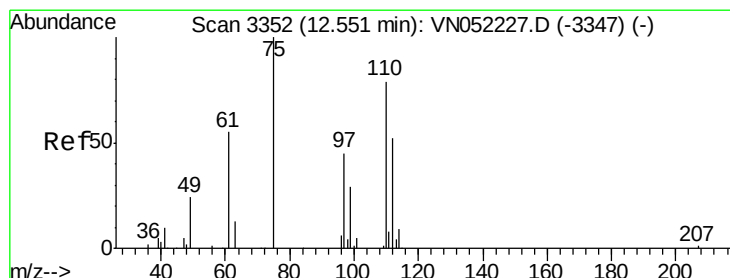
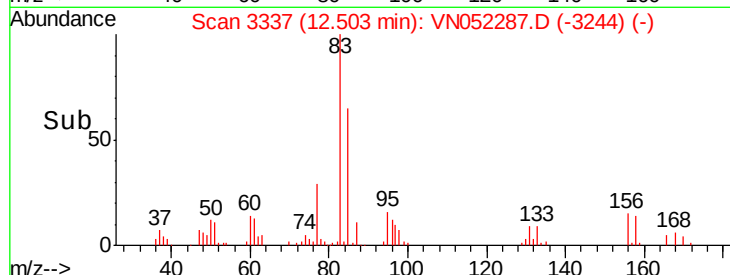
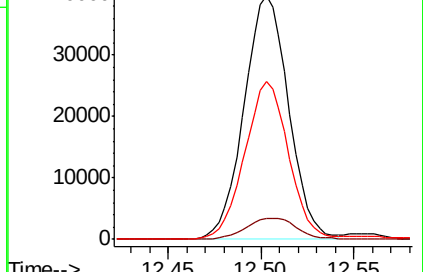
85 63.6 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN052227.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN052227.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN052227.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 26.220 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052287.D

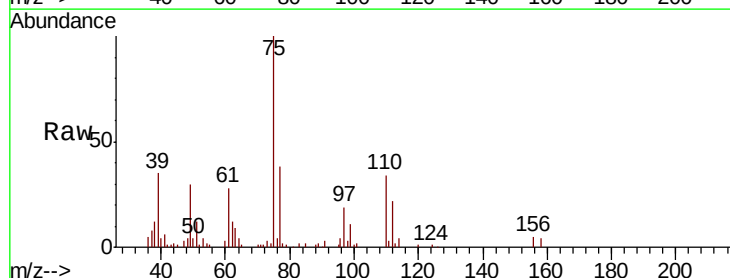
Acq: 13 Nov 2018 15:30

Tgt Ion: 75 Resp: 82566

Ion Ratio Lower Upper

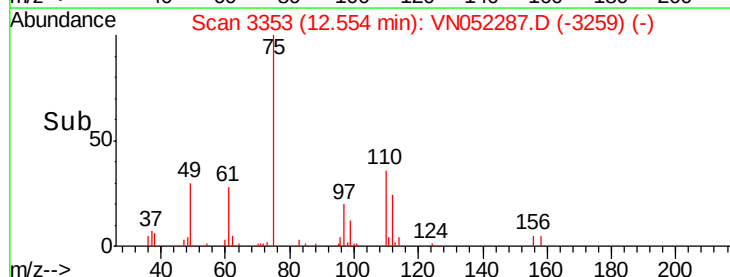
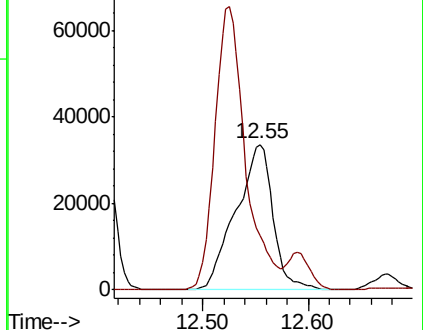
75 100

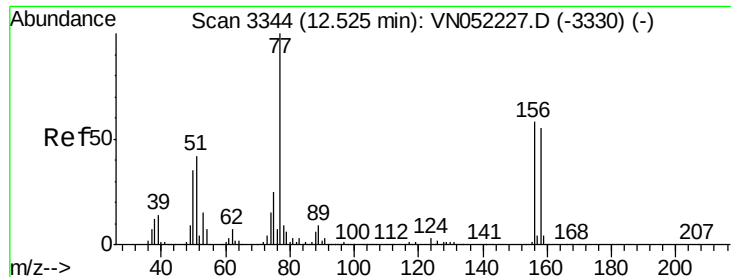
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN052227.D (-3347) (-)





#77

Bromobenzene

Concen: 19.008 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Instrument :

MSVOA_N

ClientSampleId :

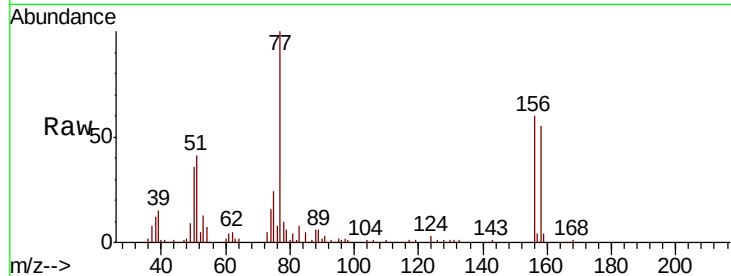
Tot Ion:156 Resp: 64733

Ion Ratio Lower Upper

156 100

77 202.9 101.1 303.3

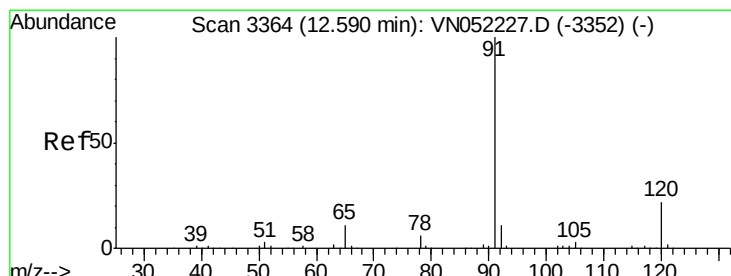
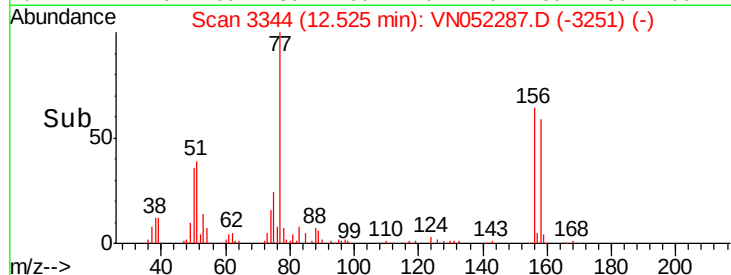
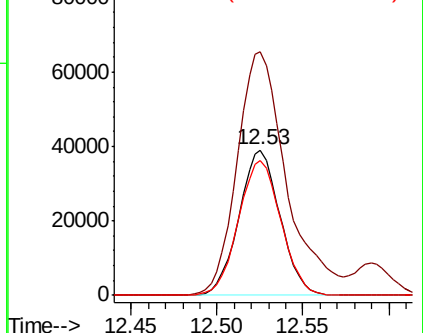
158 96.3 47.8 143.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.267 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052287.D

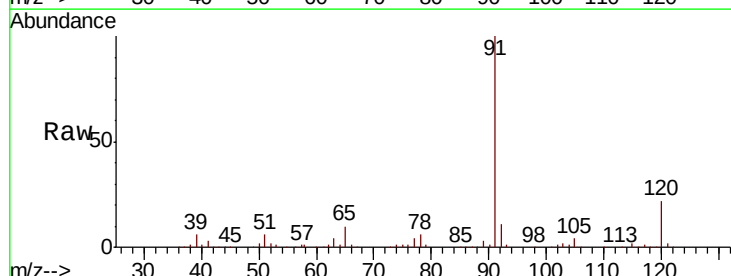
Acq: 13 Nov 2018 15:30

Tgt Ion: 91 Resp: 328306

Ion Ratio Lower Upper

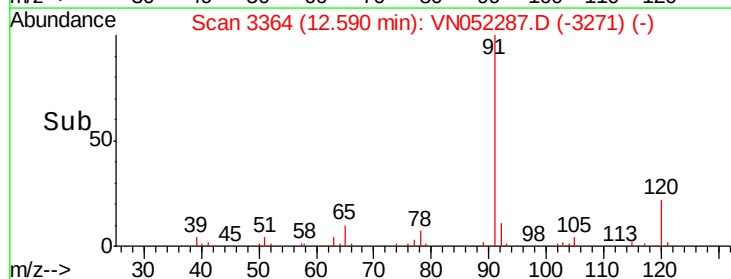
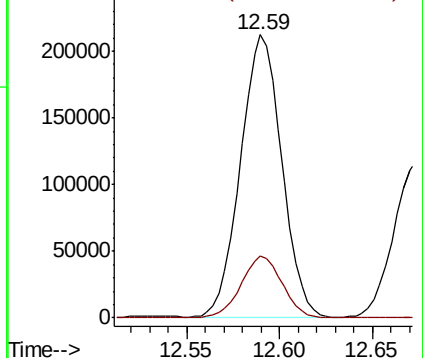
91 100

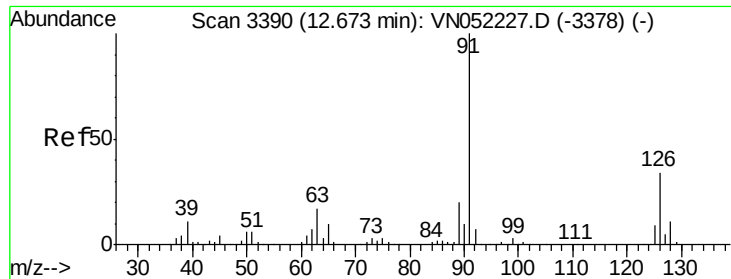
120 21.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.472 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Instrument :

MSVOA_N

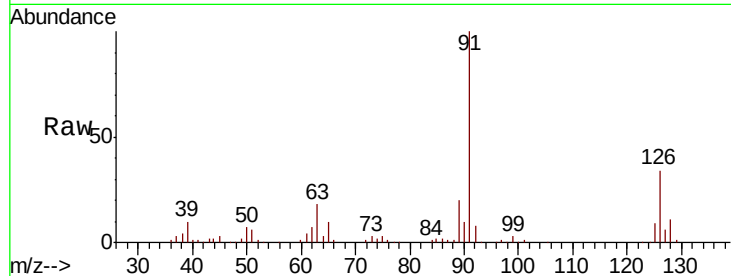
ClientSampled :

Tot Ion: 91 Resp: 192218

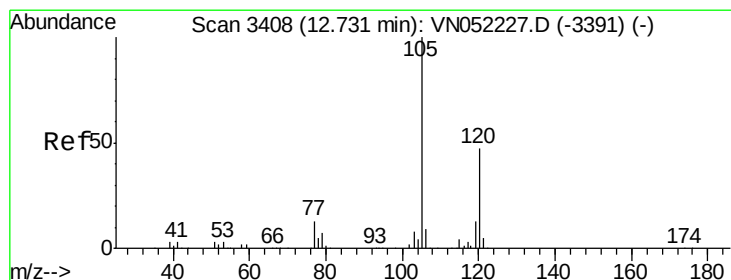
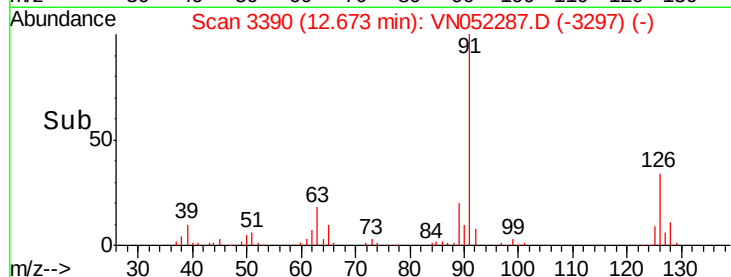
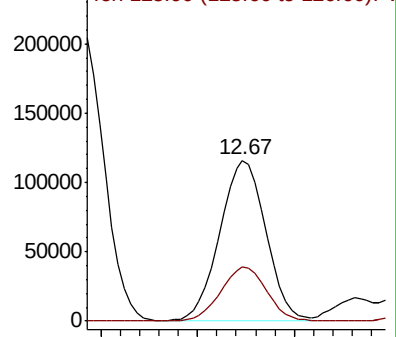
Ion Ratio Lower Upper

91 100

126 33.6 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN052227.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.632 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052287.D

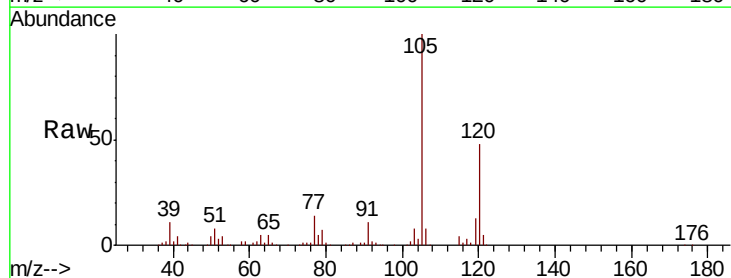
Acq: 13 Nov 2018 15:30

Tgt Ion: 105 Resp: 227152

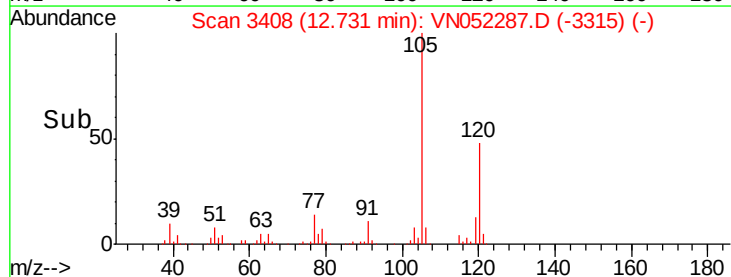
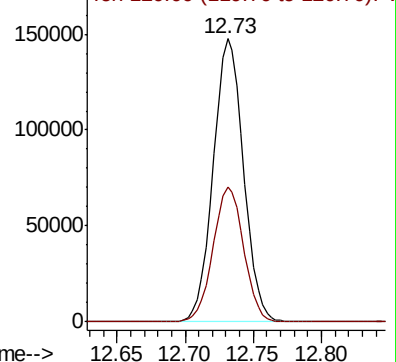
Ion Ratio Lower Upper

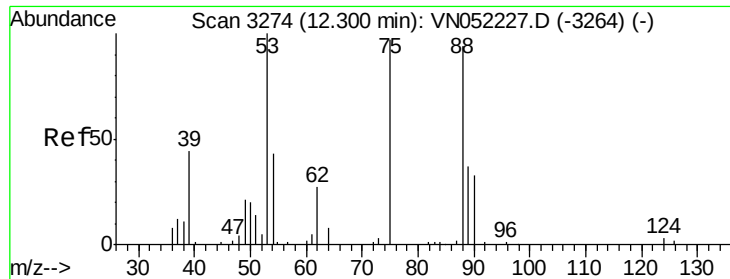
105 100

120 48.2 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): VN052227.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.811 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

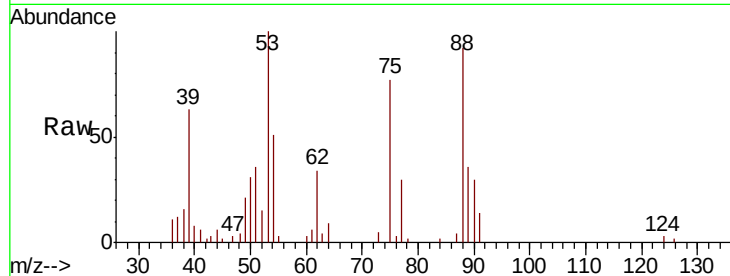
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 75 Resp: 14586

Ion	Ratio	Lower	Upper
75	100		
53	123.9	84.0	126.0
89	48.3	33.7	50.5

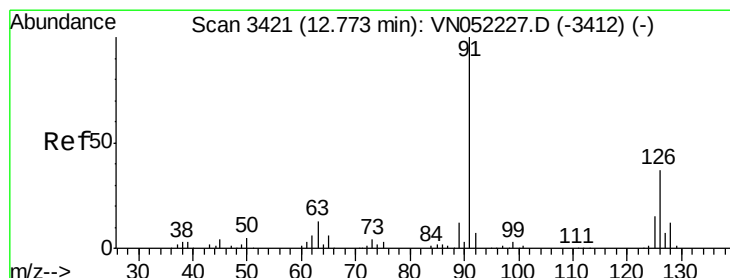
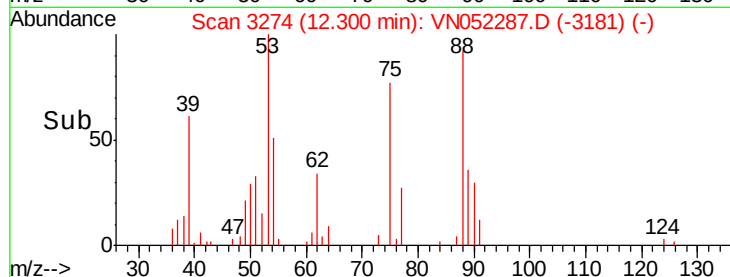
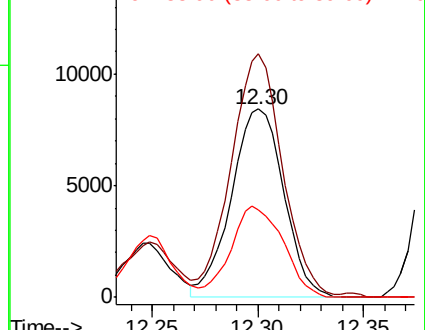


Abundance

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: 19.430 ug/l

RT: 12.77 min Scan# 3421

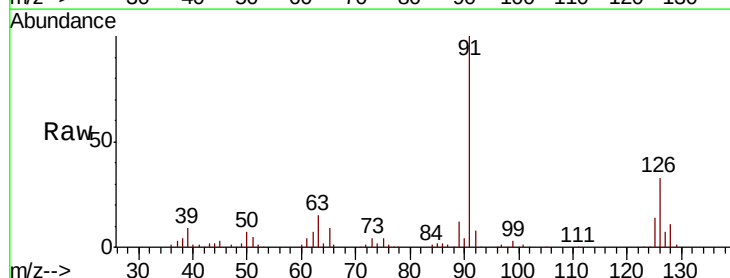
Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Tgt Ion: 91 Resp: 192459

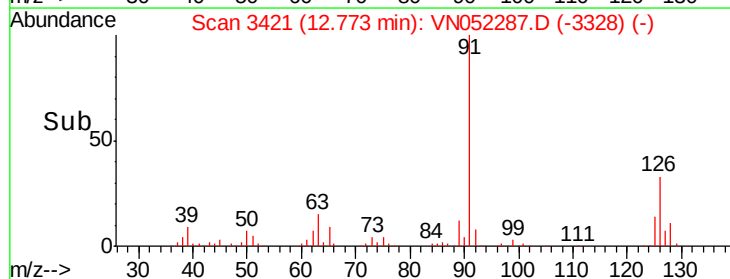
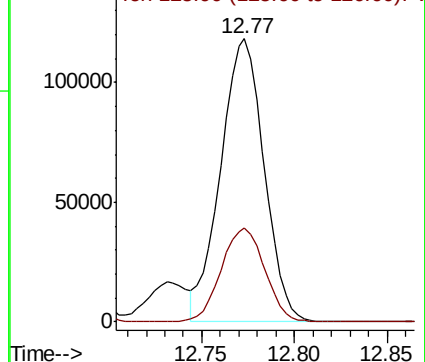
Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.9	50.7

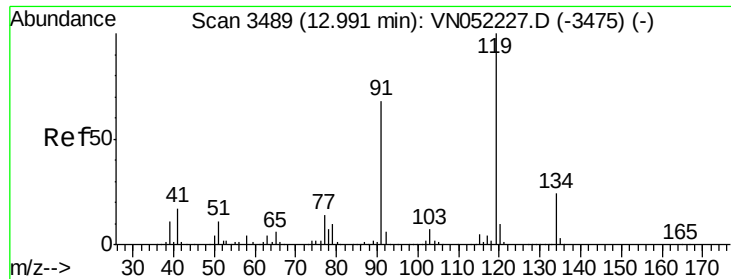


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

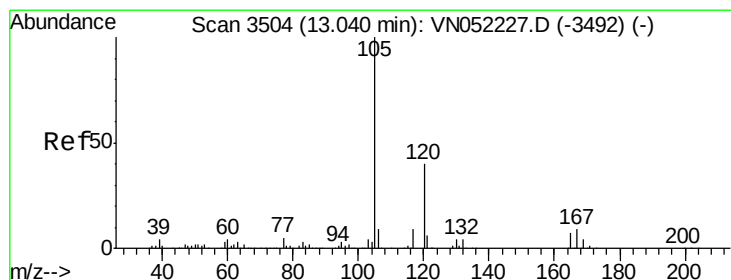
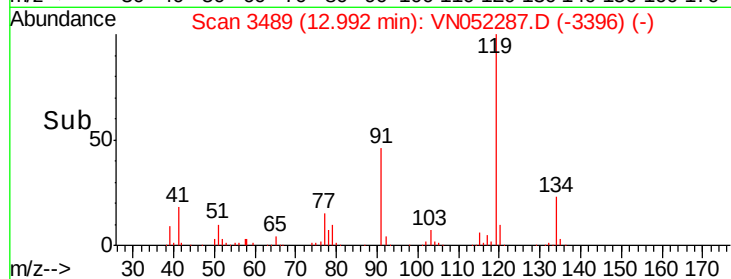
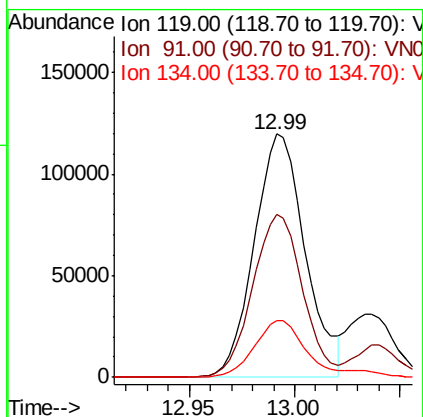
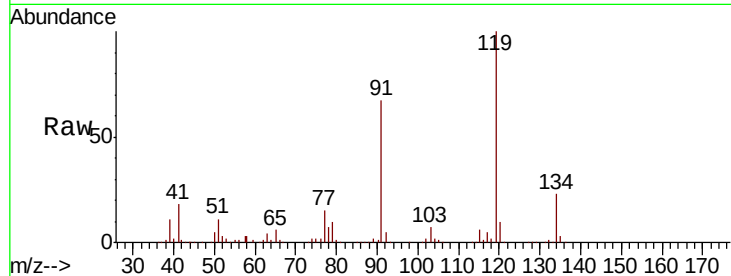




#83
 tert-Butylbenzene
 Concen: 19.963 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052227.D
 Acq: 13 Nov 2018 15:30

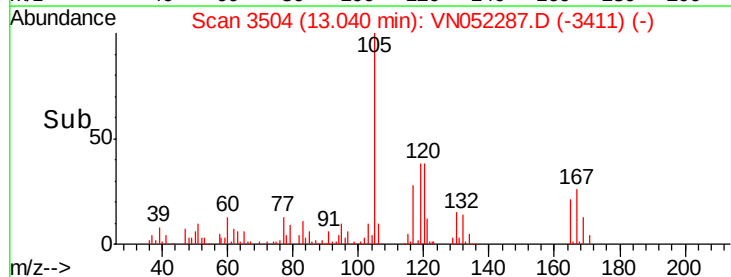
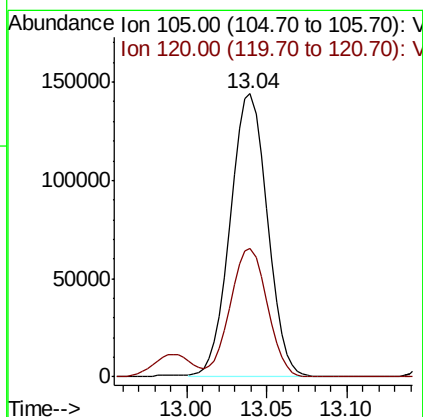
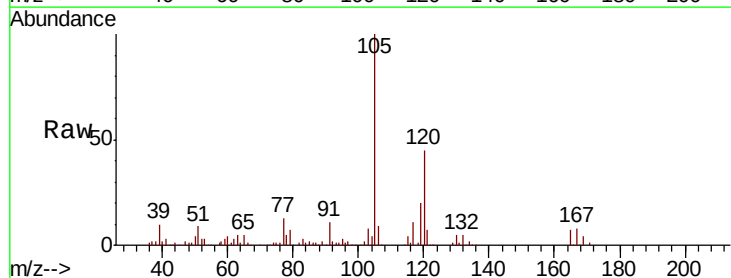
Instrument :
 MSVOA_N
 ClientSampleId :

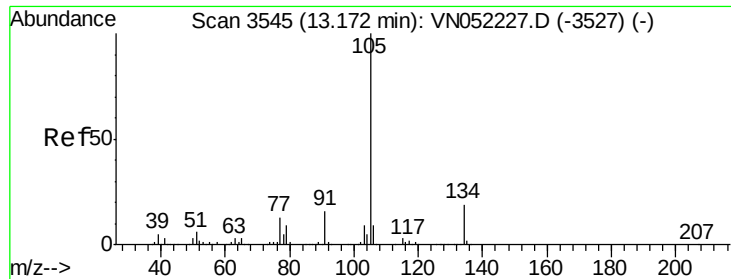
Tot Ion:119 Resp: 201658
 Ion Ratio Lower Upper
 119 100
 91 65.5 33.5 100.4
 134 25.0 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.561 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052227.D
 Acq: 13 Nov 2018 15:30

Tgt Ion:105 Resp: 228203
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.7 68.1

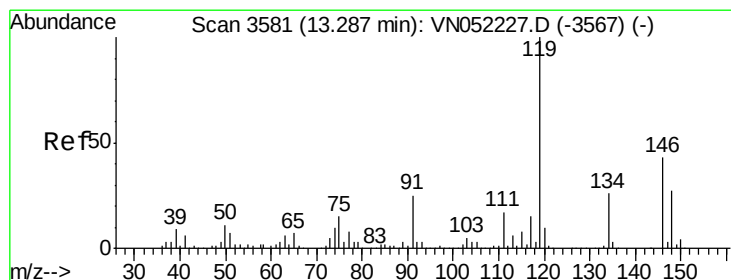
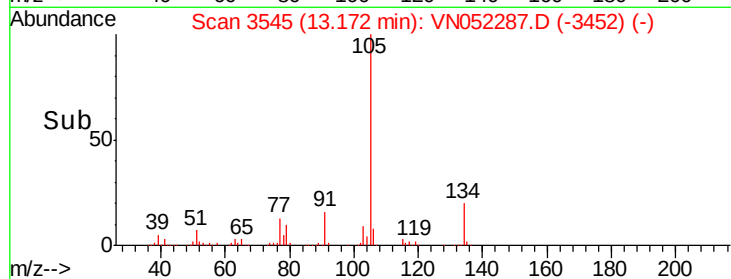
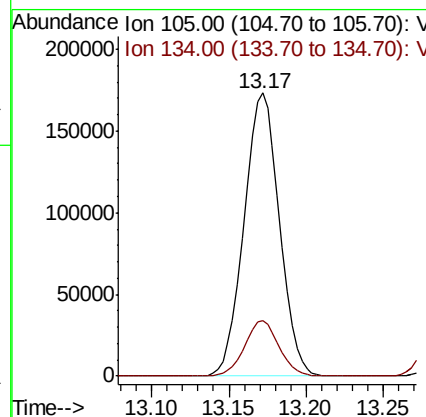
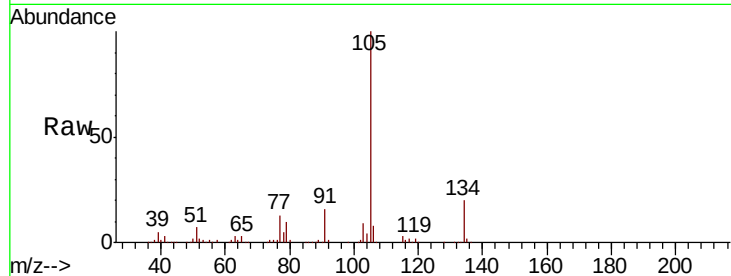




#85
 sec-Butylbenzene
 Concen: 19.862 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

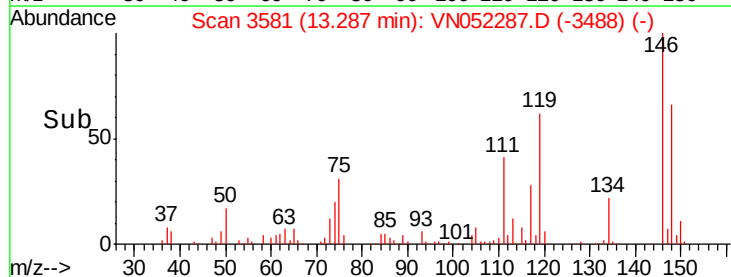
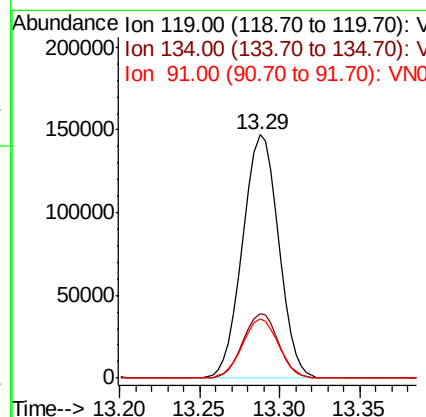
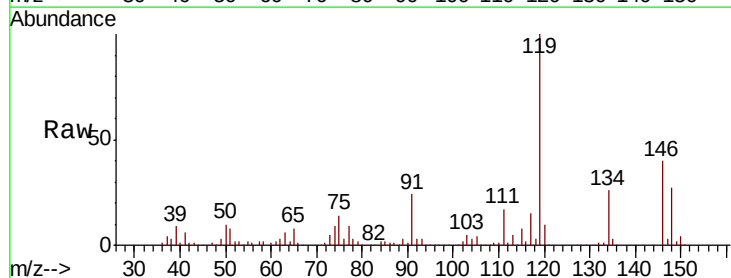
Instrument :
 MSVOA_N
 ClientSampled :

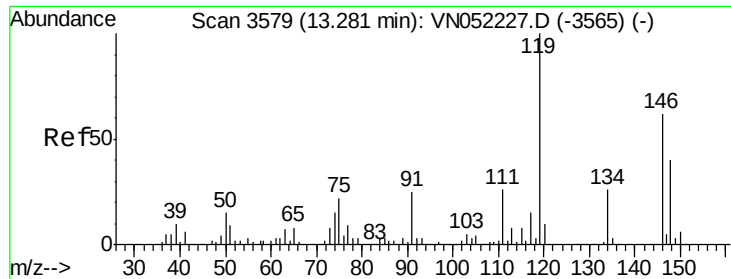
Tot Ion:105 Resp: 275141
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 19.492 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

Tgt Ion:119 Resp: 225894
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.2 39.6
 91 24.3 12.4 37.0

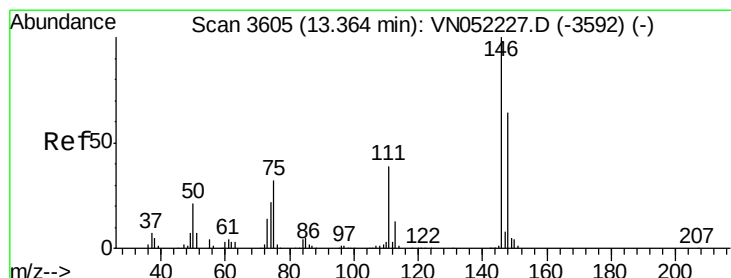
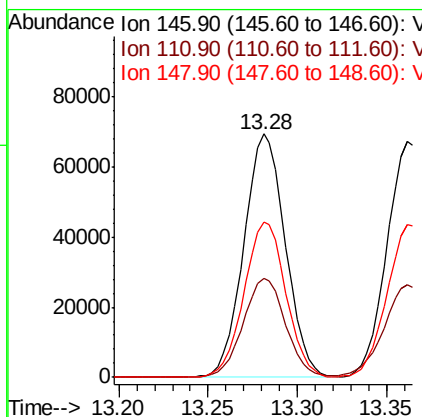
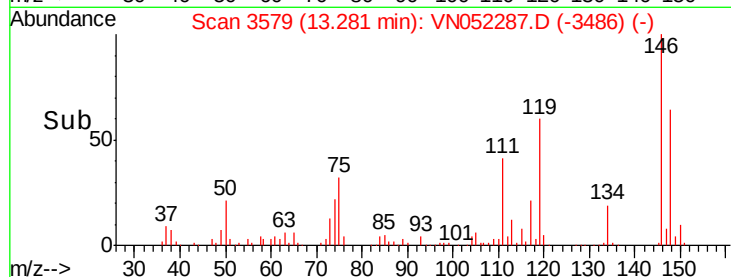
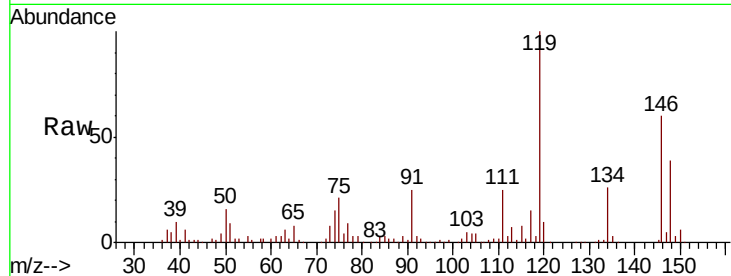




#87
 1,3-Dichlorobenzene
 Concen: 19.030 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

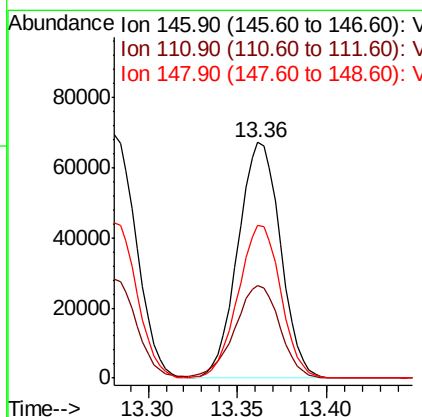
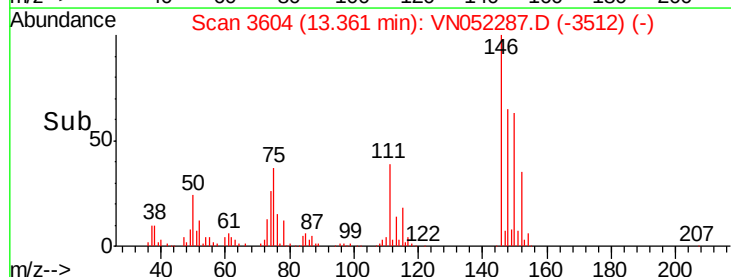
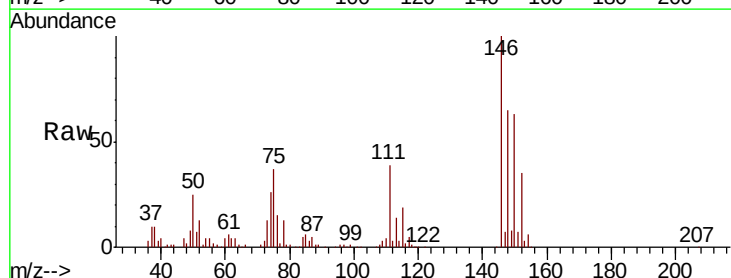
Instrument :
 MSVOA_N
 ClientSampled :

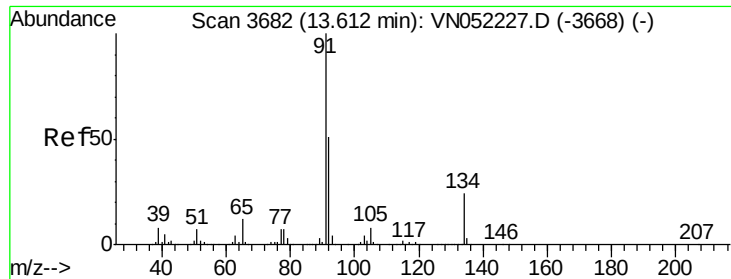
Tot Ion:146 Resp: 112824
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.1 60.3
 148 64.3 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 18.830 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

Tgt Ion:146 Resp: 111757
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.2 60.6
 148 65.2 32.1 96.3

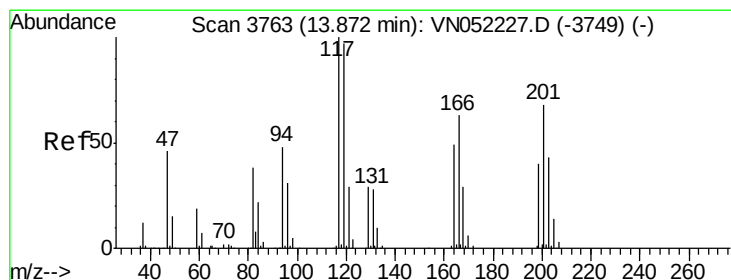
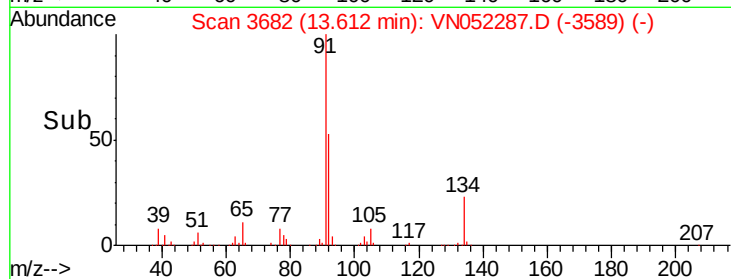
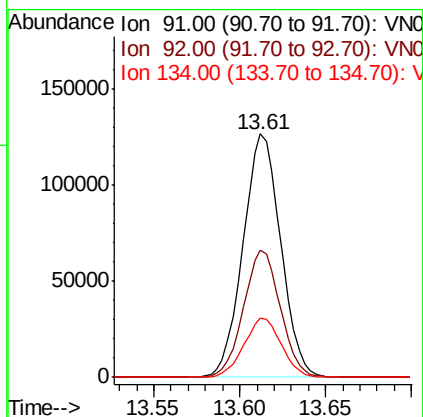
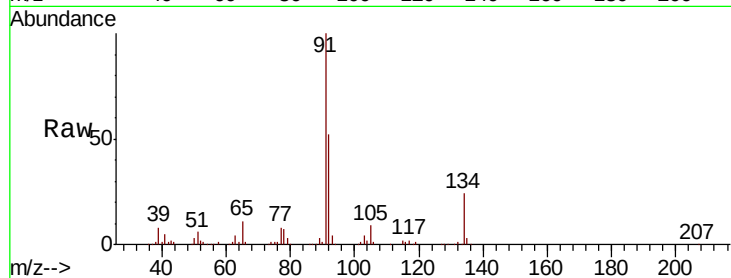




#89
n-Butylbenzene
Concen: 18.621 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

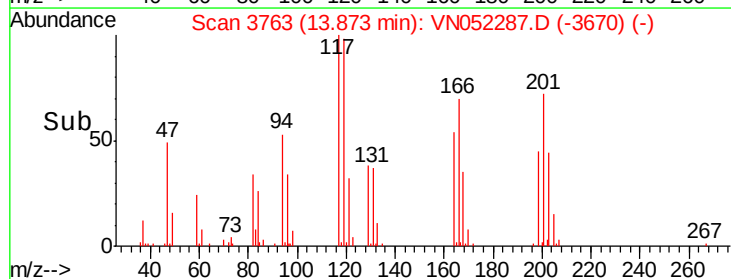
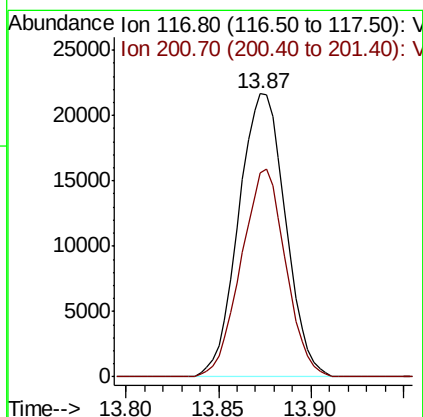
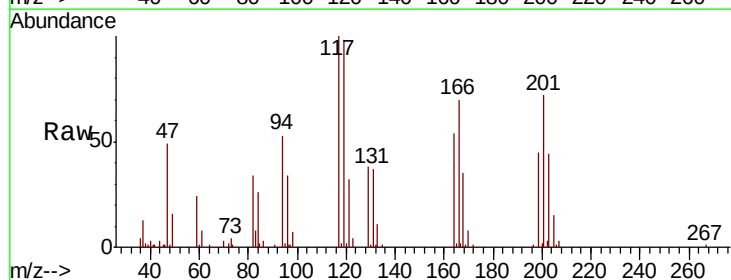
Instrument :
MSVOA_N
ClientSampleId :

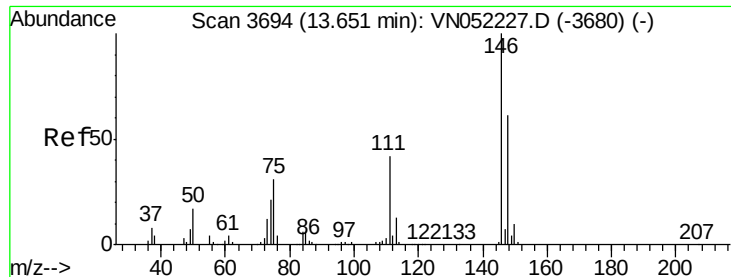
Tot Ion: 91 Resp: 192159
Ion Ratio Lower Upper
91 100
92 51.0 25.1 75.3
134 24.2 12.0 36.1



#90
Hexachloroethane
Concen: 18.689 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052287.D
Acq: 13 Nov 2018 15:30

Tgt Ion: 117 Resp: 38016
Ion Ratio Lower Upper
117 100
201 69.7 34.6 103.9

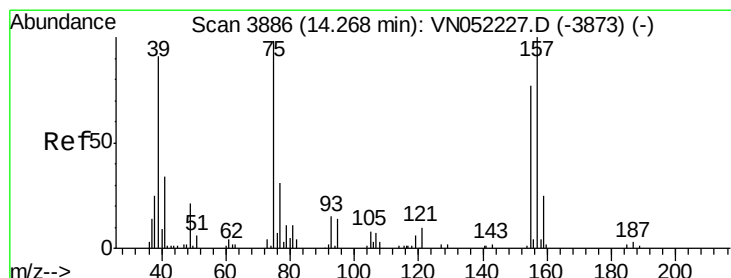
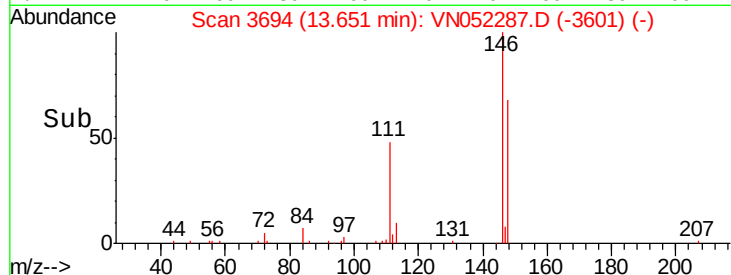
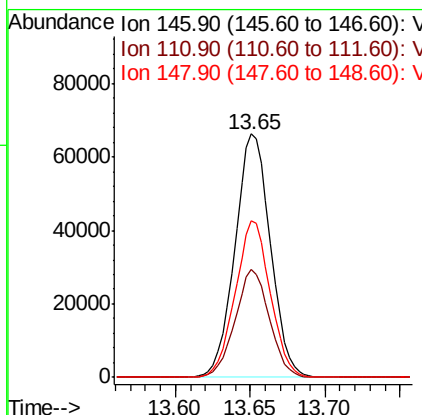
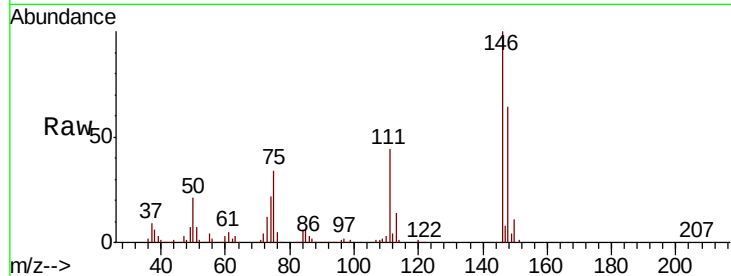




#91
 1,2-Dichlorobenzene
 Concen: 18.842 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052227.D
 Acq: 13 Nov 2018 15:30

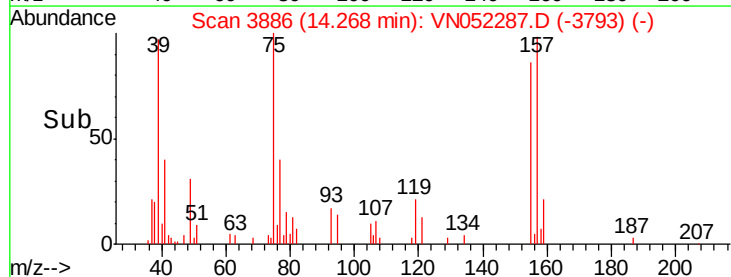
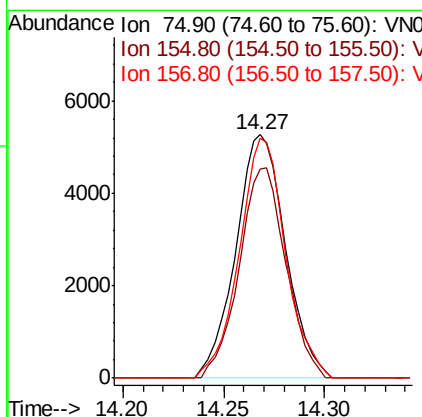
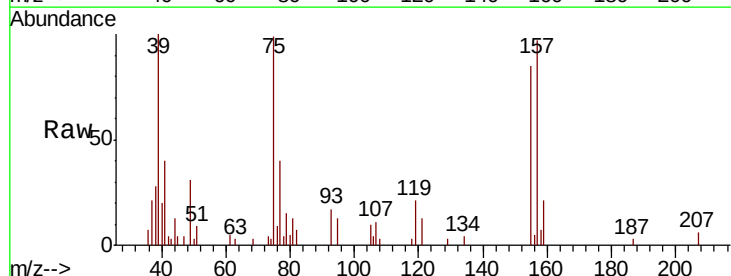
Instrument :
 MSVOA_N
 ClientSampled :

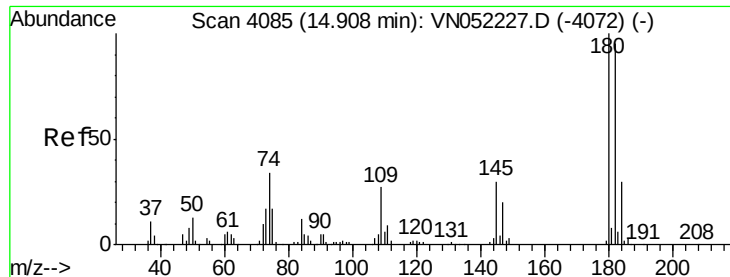
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.1	63.3
148	63.2	31.3	93.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.838 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052227.D
 Acq: 13 Nov 2018 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.5	40.2	120.5
157	92.0	51.7	155.2

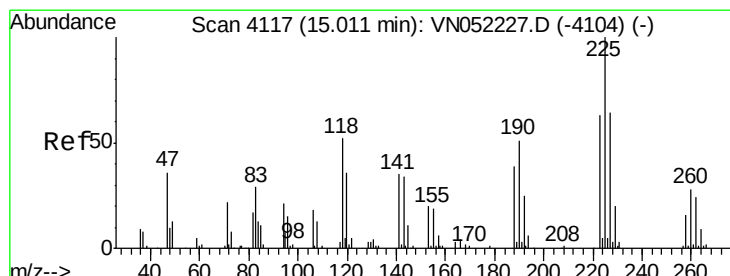
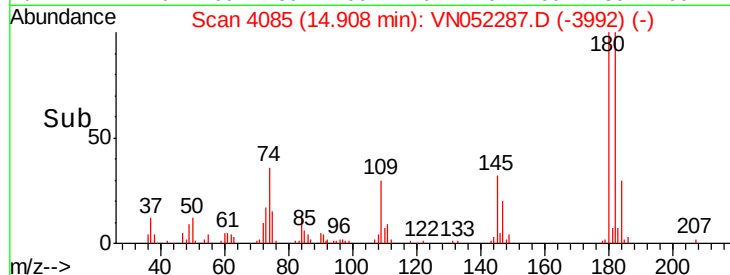
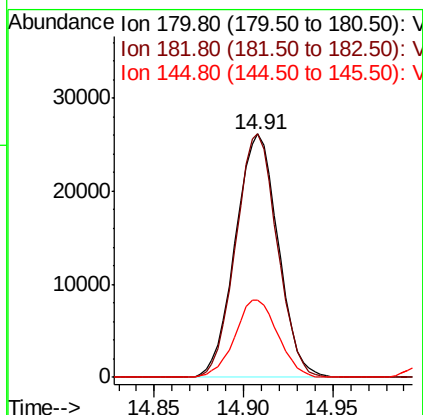
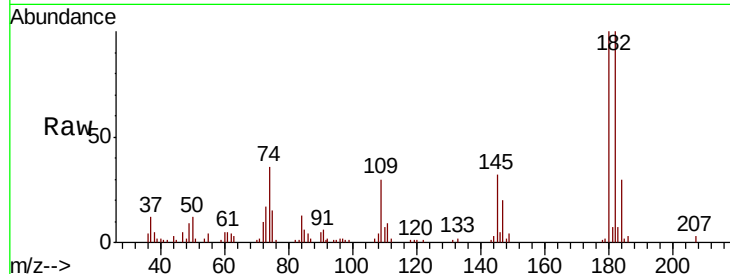




#93
 1,2,4-Trichlorobenzene
 Concen: 19.126 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

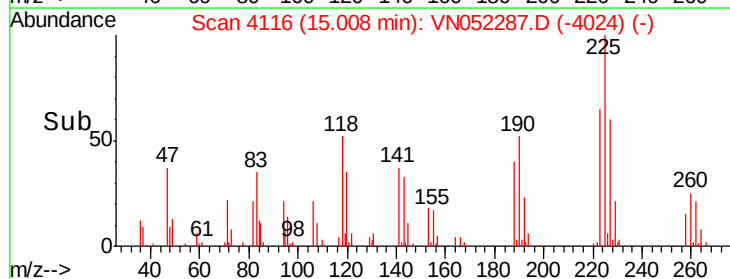
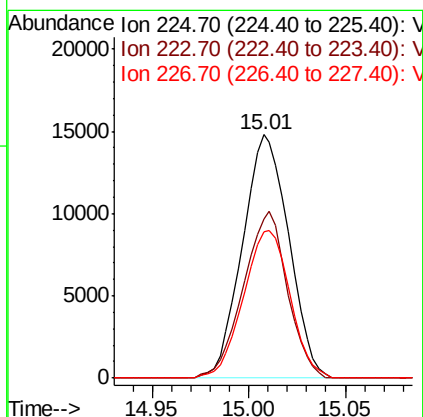
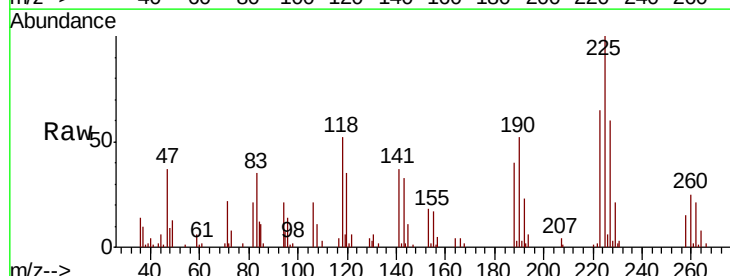
Instrument :
 MSVOA_N
 ClientSampleId :

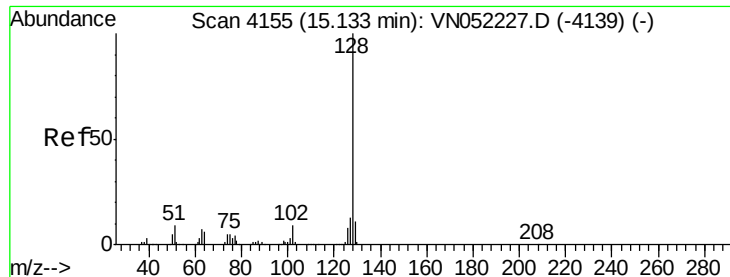
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.3	142.0
145	31.9	15.6	46.8



#94
 Hexachlorobutadiene
 Concen: 19.787 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052287.D
 Acq: 13 Nov 2018 15:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	32.1	96.3
227	60.9	31.8	95.4





#95

Naphthalene

Concen: 17.596 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

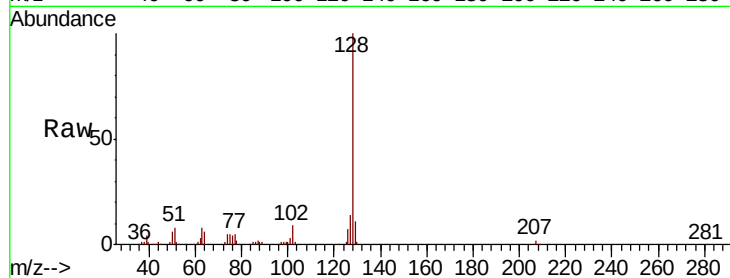
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 99217

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.9	8.7	13.1

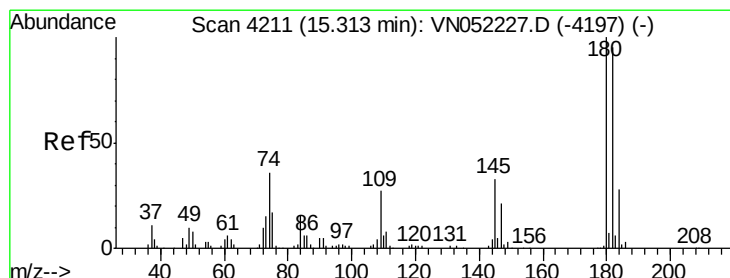
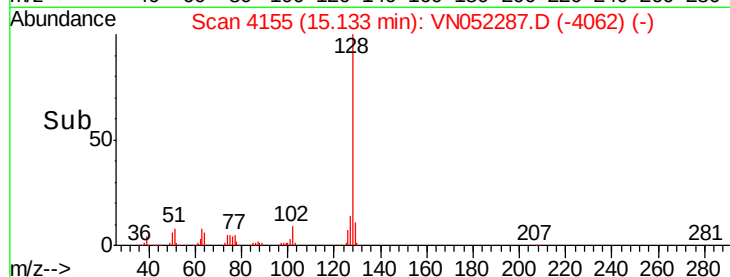
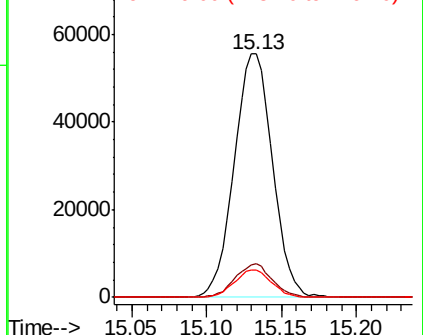


Abundance

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: 19.356 ug/l

RT: 15.31 min Scan# 4211

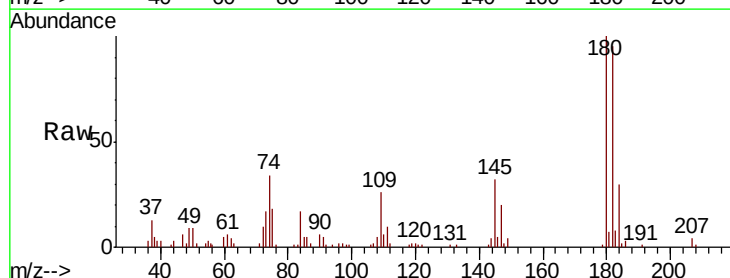
Delta R.T. 0.00 min

Lab File: VN052287.D

Acq: 13 Nov 2018 15:30

Tgt Ion:180 Resp: 41869

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.7	143.1
145	32.1	16.8	50.3



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

