

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121718\
 Data File : VN052944.D
 Acq On : 17 Dec 2018 23:38
 Operator : MD\SY
 Sample : VN1217MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 33 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 06:28:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1143056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1765189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1583329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	703211	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	585475	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
35) Dibromofluoromethane	7.59	113	357985	36.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.66%	
50) Toluene-d8	10.09	98	2103133	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
62) 4-Bromofluorobenzene	12.40	95	721335	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	217718	18.503	ug/l	100
3) Chloromethane	2.06	50	267902	18.970	ug/l	99
4) Vinyl Chloride	2.19	62	269550	19.078	ug/l	99
5) Bromomethane	2.58	94	172445	19.789	ug/l	99
6) Chloroethane	2.71	64	159013	19.041	ug/l	99
7) Trichlorofluoromethane	3.03	101	333558	19.042	ug/l	99
8) Diethyl Ether	3.41	74	127959	20.026	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	200529	18.472	ug/l	98
10) Methyl Iodide	3.96	142	287975	18.942	ug/l	99
11) Tert butyl alcohol	4.77	59	72218	106.342	ug/l	100
12) 1,1-Dichloroethene	3.74	96	202525	19.271	ug/l	97
13) Acrolein	3.61	56	55317	86.516	ug/l	99
14) Allyl chloride	4.33	41	311985	18.175	ug/l	97
15) Acrylonitrile	4.99	53	387574	101.729	ug/l	99
16) Acetone	3.82	43	246655	90.360	ug/l	95
17) Carbon Disulfide	4.06	76	590836	18.301	ug/l	99
18) Methyl Acetate	4.32	43	208706	20.833	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	573980	20.118	ug/l	98
20) Methylene Chloride	4.56	84	234304	19.074	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	214042	18.799	ug/l	99
22) Diisopropyl ether	5.95	45	712581	19.459	ug/l	97
23) Vinyl Acetate	5.90	43	2056256	94.367	ug/l	99
24) 1,1-Dichloroethane	5.85	63	407037	19.275	ug/l	99
25) 2-Butanone	6.83	43	407270	96.156	ug/l	96
26) 2,2-Dichloropropane	6.83	77	265818	17.093	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	249202	19.285	ug/l	99
28) Bromochloromethane	7.19	49	194514	20.513	ug/l	96
29) Tetrahydrofuran	7.21	42	286263	99.001	ug/l	99
30) Chloroform	7.37	83	399335	19.392	ug/l	98
31) Cyclohexane	7.66	56	382817	18.218	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	334400	19.408	ug/l	100
36) 1,1-Dichloropropene	7.79	75	305176	18.774	ug/l	99
37) Ethyl Acetate	6.93	43	195083	19.978	ug/l	99
38) Carbon Tetrachloride	7.77	117	281508	18.815	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	362239	18.159	ug/l	98
40) Benzene	8.04	78	942583	19.320	ug/l	99
41) Methacrylonitrile	7.18	41	109978	20.327	ug/l	93
42) 1,2-Dichloroethane	8.12	62	279799	19.050	ug/l	99
43) Isopropyl Acetate	8.16	43	395090	19.734	ug/l	97
44) Trichloroethene	8.84	130	269857	20.478	ug/l	96
45) 1,2-Dichloropropane	9.12	63	249513	19.526	ug/l	99
46) Dibromomethane	9.21	93	145960	19.695	ug/l	98
47) Bromodichloromethane	9.40	83	305431	19.875	ug/l	99
48) Methyl methacrylate	9.20	41	180862	20.599	ug/l	99
49) 1,4-Dioxane	9.20	88	42572	427.168	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	947591	103.218	ug/l	99
52) Toluene	10.16	92	583325	19.741	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	315582	20.407	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	358810	19.471	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	211668	20.067	ug/l	98
56) Ethyl methacrylate	10.43	69	287470	21.236	ug/l	98
57) 1,3-Dichloropropane	10.71	76	360313	19.920	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	787661	104.282	ug/l	98
59) 2-Hexanone	10.75	43	642816	102.172	ug/l	99
60) Dibromochloromethane	10.90	129	229181	20.104	ug/l	98
61) 1,2-Dibromoethane	11.01	107	213210	20.449	ug/l	99
64) Tetrachloroethene	10.63	164	315690	23.198	ug/l	98
65) Chlorobenzene	11.43	112	648812	19.752	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	225045	19.699	ug/l	99
67) Ethyl Benzene	11.51	91	1113122	19.732	ug/l	100
68) m/p-Xylenes	11.62	106	846376	39.958	ug/l	99
69) o-Xylene	11.95	106	415261	20.077	ug/l	99
70) Styrene	11.96	104	676855	20.357	ug/l	99
71) Bromoform	12.13	173	157677	20.316	ug/l #	100
73) Isopropylbenzene	12.25	105	1093612	20.829	ug/l	100
74) N-amyl acetate	12.07	43	327393	22.713	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	227728	19.353	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	321831	31.020	ug/l #	100
77) Bromobenzene	12.53	156	280581	21.011	ug/l	98
78) n-propylbenzene	12.59	91	1225658	20.468	ug/l	100
79) 2-Chlorotoluene	12.68	91	721264	20.374	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	867306	20.463	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	69330	21.467	ug/l	98
82) 4-Chlorotoluene	12.77	91	723396	19.986	ug/l	99
83) tert-Butylbenzene	12.99	119	770661	20.612	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	866479	20.194	ug/l	99
85) sec-Butylbenzene	13.17	105	1029173	20.326	ug/l	100
86) p-Isopropyltoluene	13.29	119	873601	19.914	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	466264	19.648	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	461188	19.624	ug/l	99
89) n-Butylbenzene	13.62	91	708779	19.193	ug/l	100
90) Hexachloroethane	13.88	117	128285	17.464	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	438578	19.212	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35480	20.003	ug/l	100

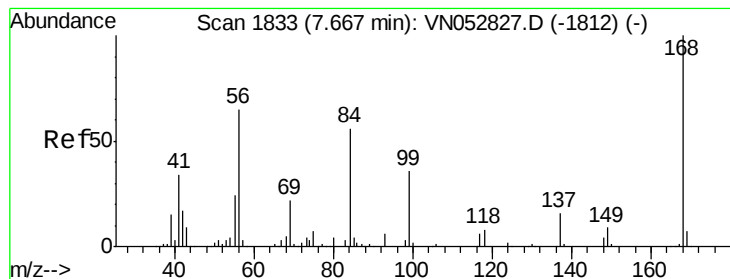
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	224593	18.099	ug/l	98
94) Hexachlorobutadiene	15.01	225	129805	18.072	ug/l	99
95) Naphthalene	15.13	128	499053	19.418	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	208722	18.331	ug/l	99

(#) = 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: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

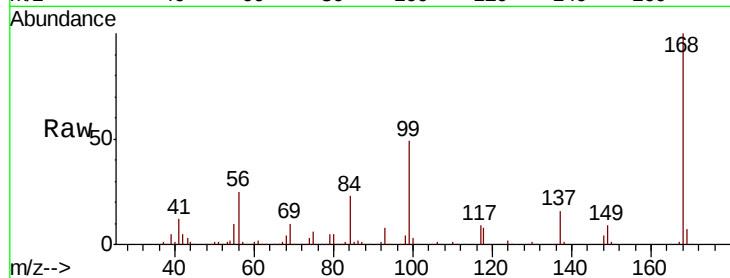
ClientSampleId :

Tot Ion:168 Resp: 1143056

Ion Ratio Lower Upper

168 100

99 49.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

300000

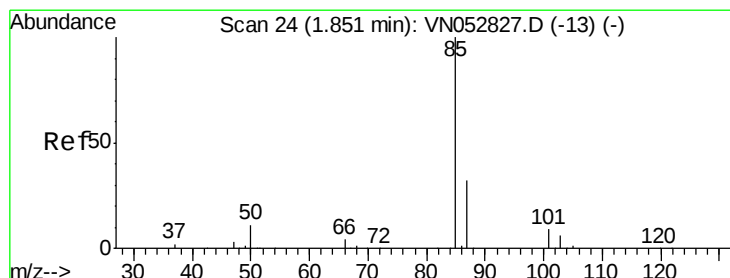
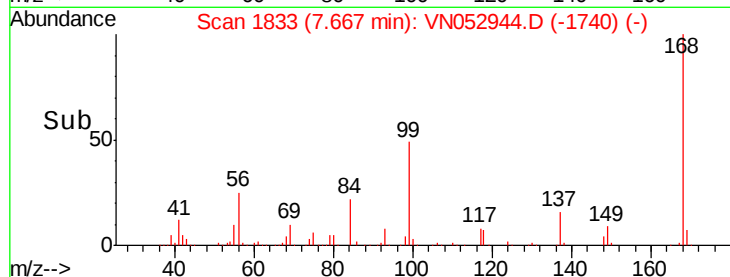
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.503 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052944.D

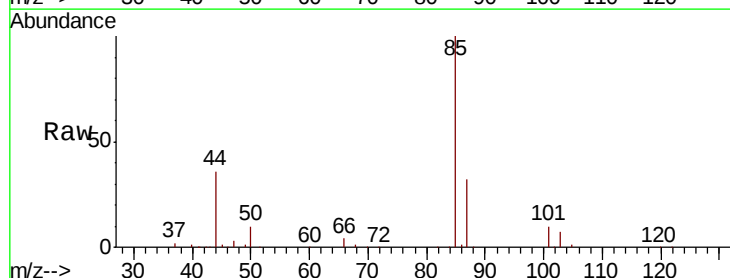
Acq: 17 Dec 2018 23:38

Tgt Ion: 85 Resp: 217718

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

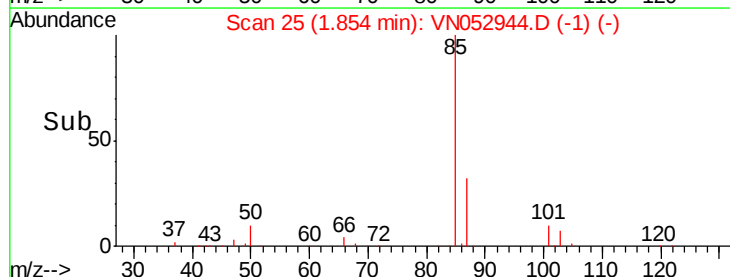
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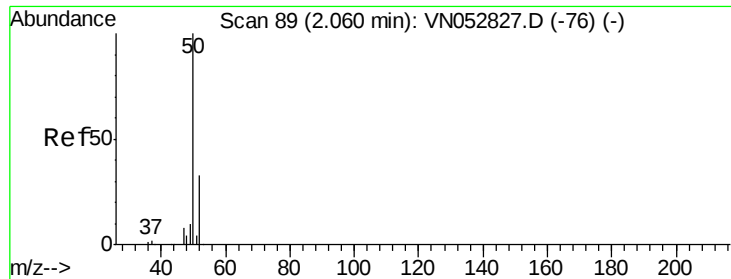
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.970 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

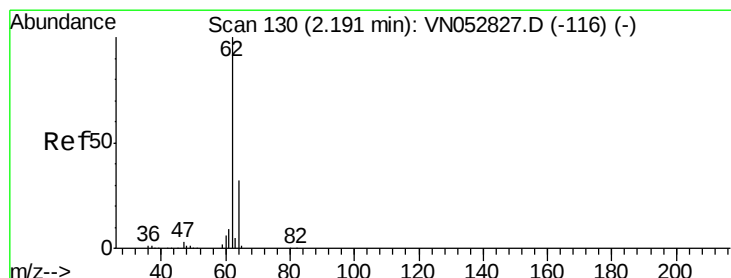
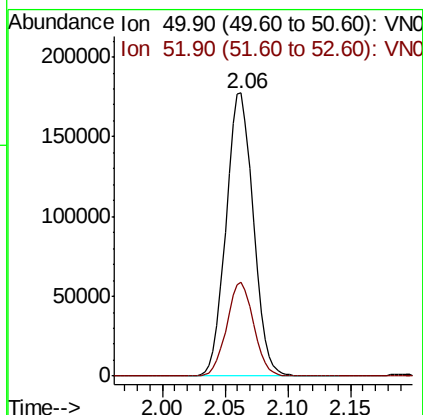
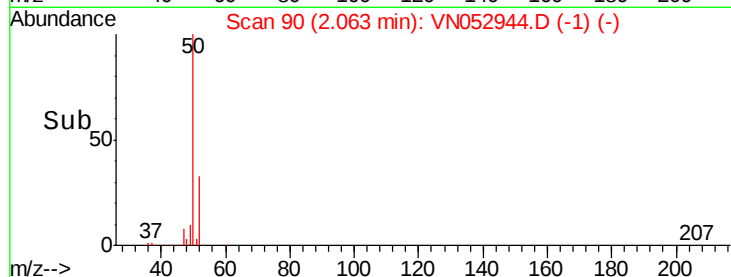
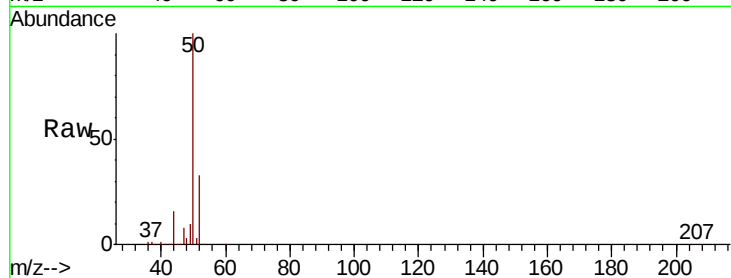
ClientSampled :

Tot Ion: 50 Resp: 267902

Ion Ratio Lower Upper

50 100

52 33.3 26.2 39.4



#4

Vinyl Chloride

Concen: 19.078 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052944.D

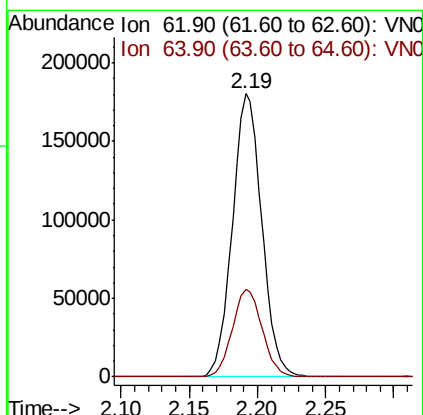
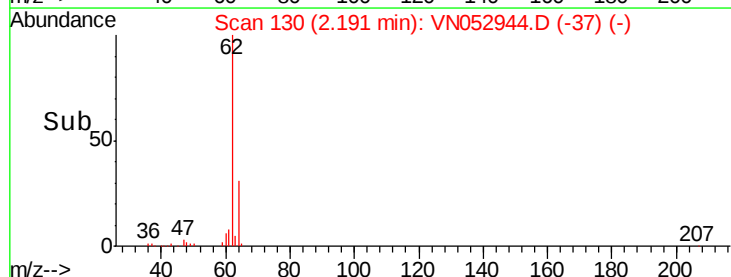
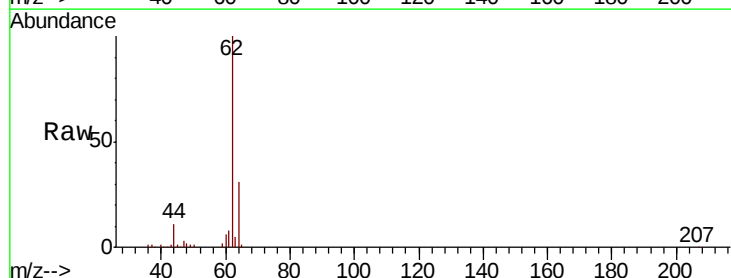
Acq: 17 Dec 2018 23:38

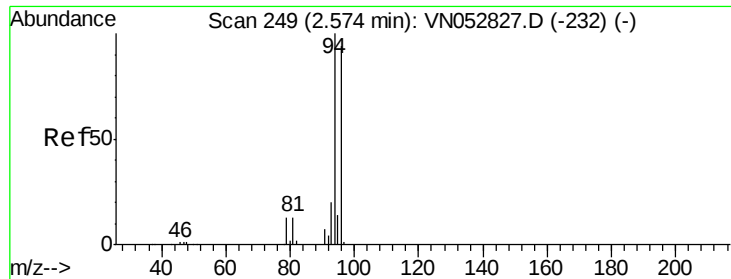
Tgt Ion: 62 Resp: 269550

Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3





#5

Bromomethane

Concen: 19.789 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

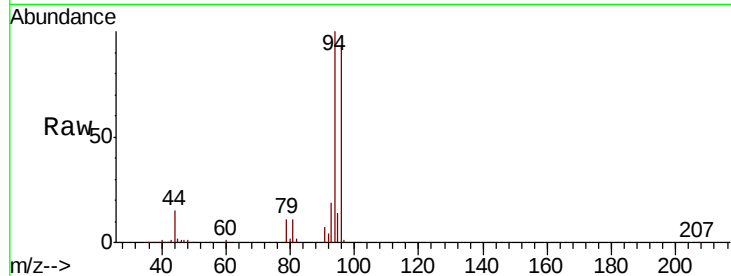
ClientSampled :

Tot Ion: 94 Resp: 172445

Ion Ratio Lower Upper

94 100

96 92.6 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.58

100000

80000

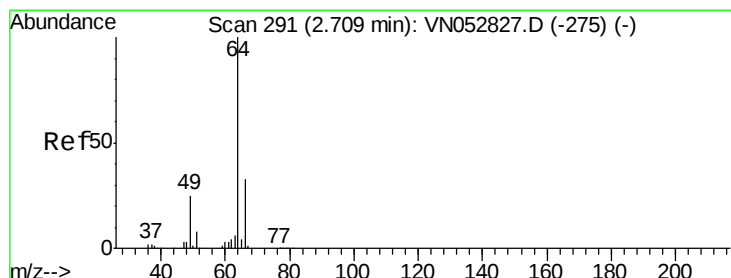
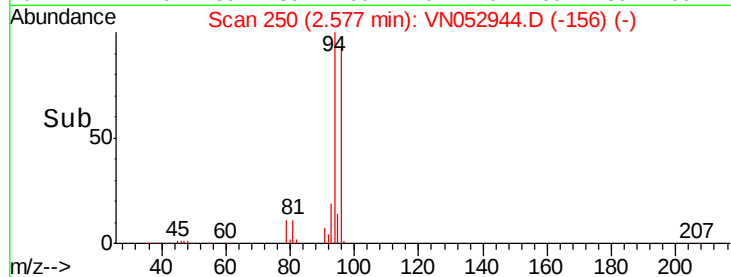
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 19.041 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052944.D

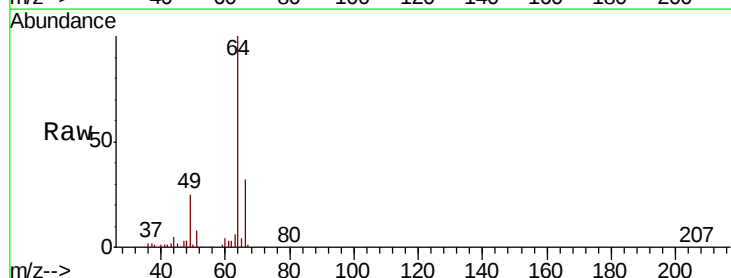
Acq: 17 Dec 2018 23:38

Tgt Ion: 64 Resp: 159013

Ion Ratio Lower Upper

64 100

66 32.1 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.71

80000

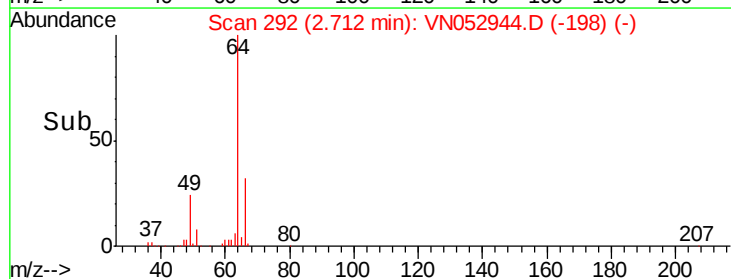
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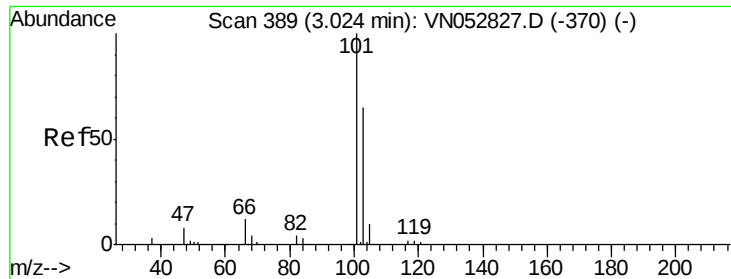
40000

20000

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Time-->



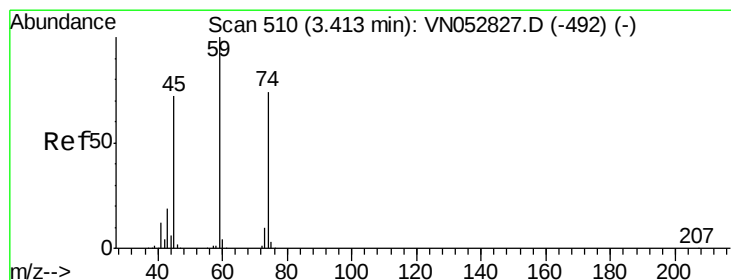
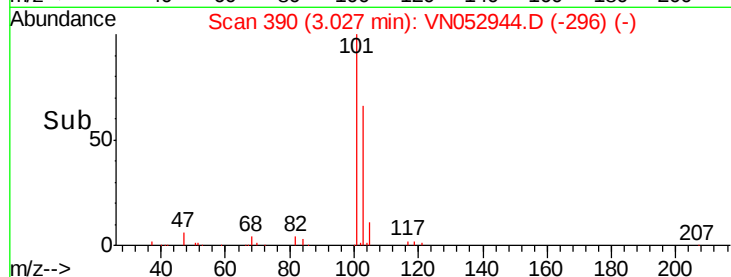
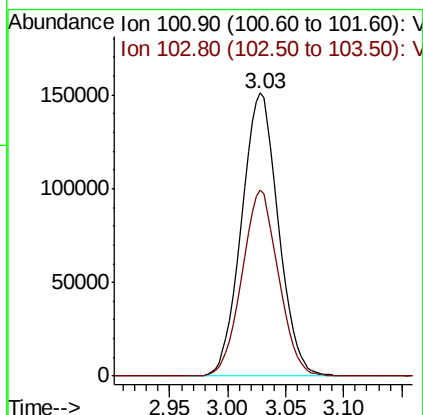
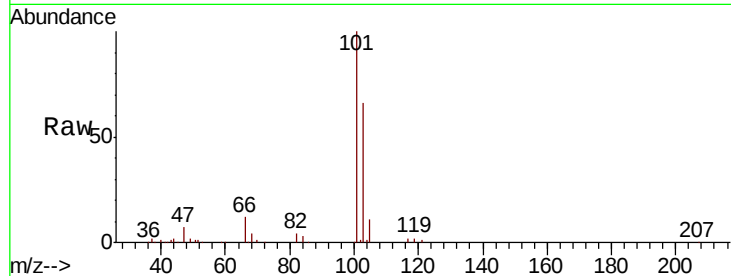


#7

Trichlorofluoromethane
 Concen: 19.042 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Instrument :
 MSVOA_N
 ClientSampleId :

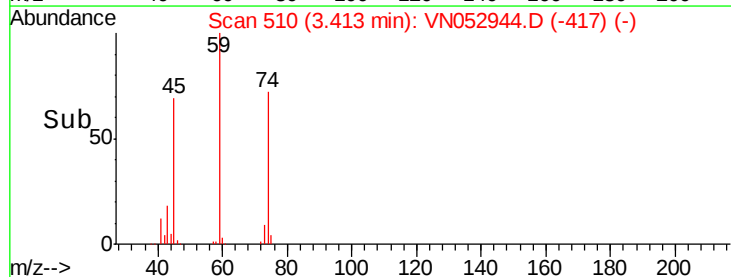
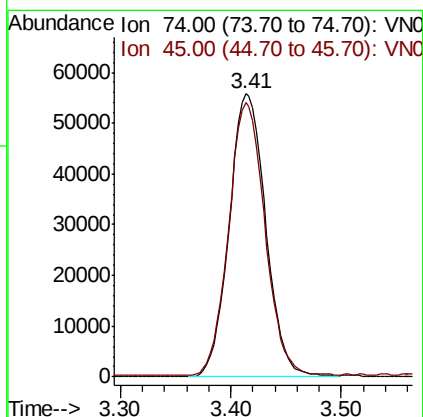
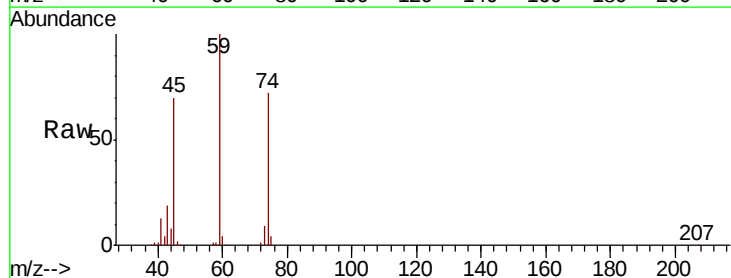
Tot Ion:101 Resp: 333558
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.8 77.6

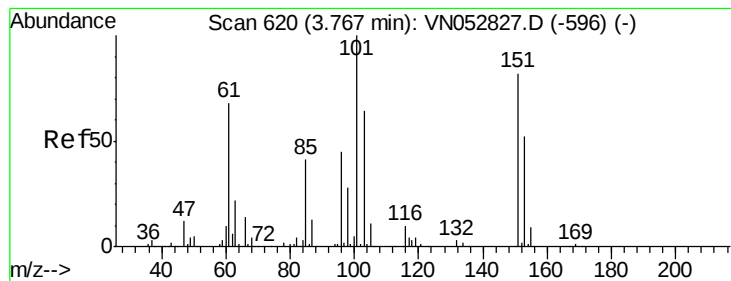


#8

Diethyl Ether
 Concen: 20.026 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion: 74 Resp: 127959
 Ion Ratio Lower Upper
 74 100
 45 95.1 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.472 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampleId :

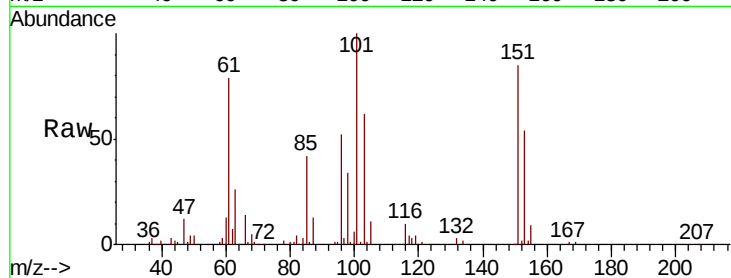
Tot Ion:101 Resp: 200529

Ion Ratio Lower Upper

101 100

85 42.0 33.6 50.4

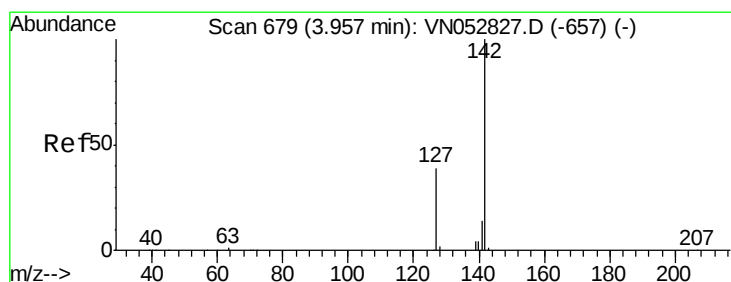
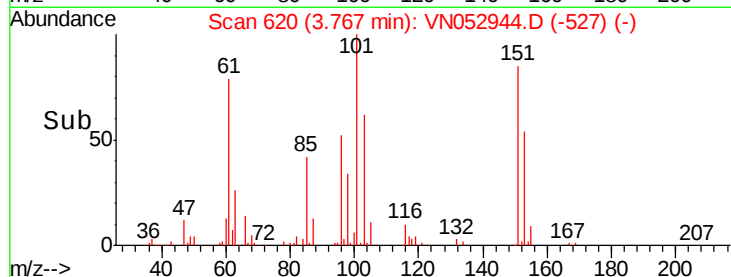
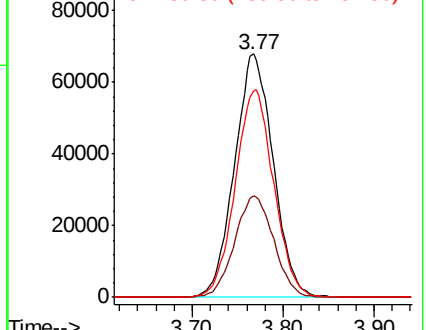
151 85.0 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.942 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

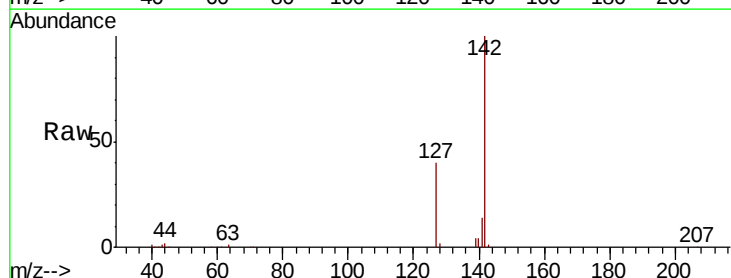
Tgt Ion:142 Resp: 287975

Ion Ratio Lower Upper

142 100

127 38.2 31.0 46.6

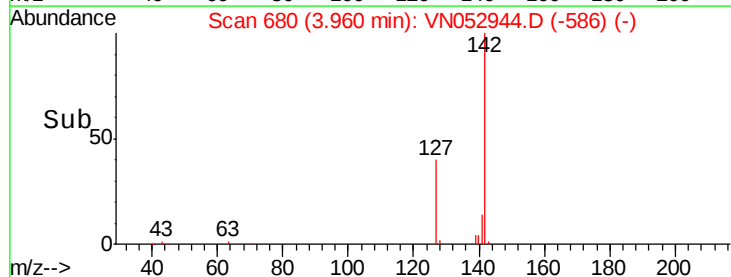
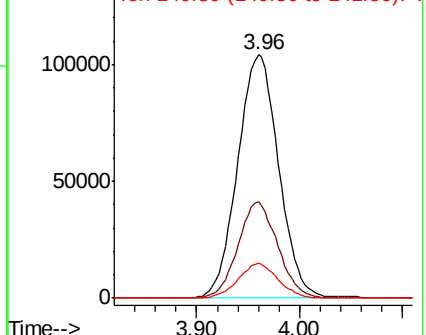
141 13.9 11.2 16.8

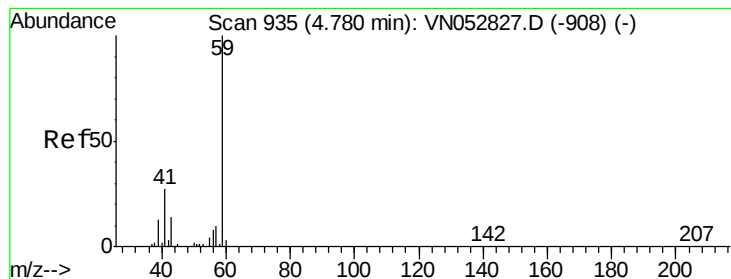


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



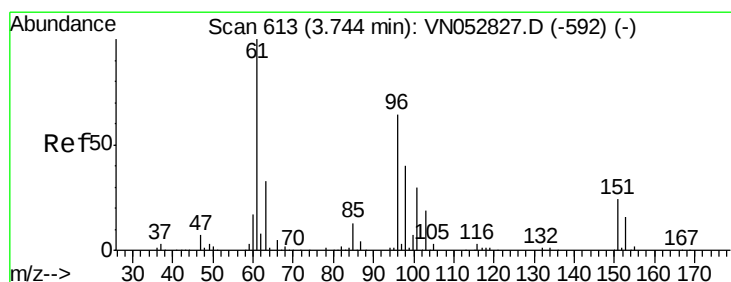
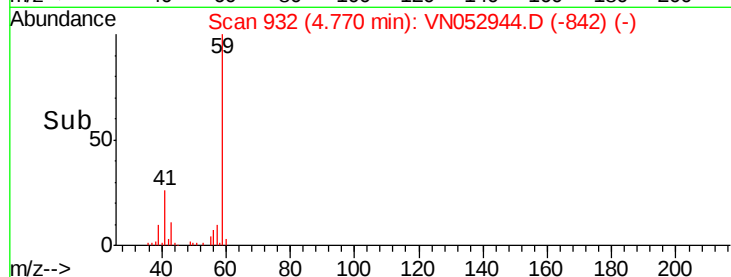
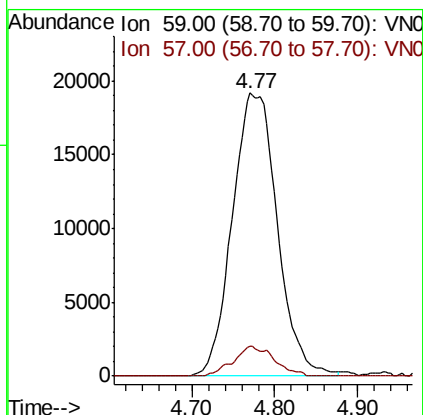
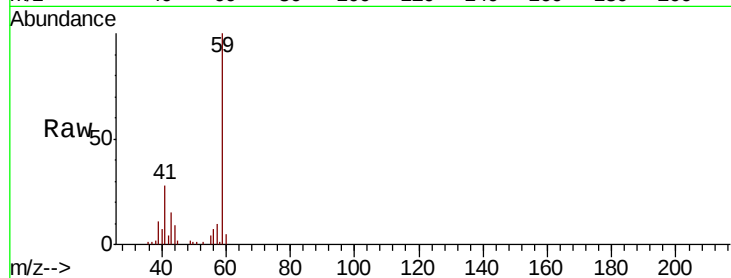


#11

Tert butyl alcohol
Concen: 106.342 ug/l
RT: 4.77 min Scan# 932
Delta R.T. -0.01 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :

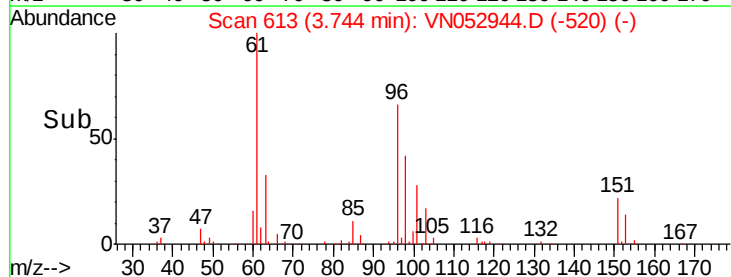
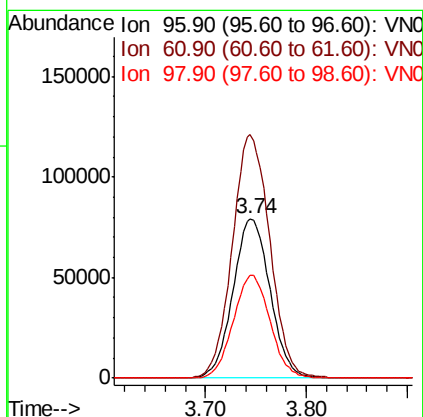
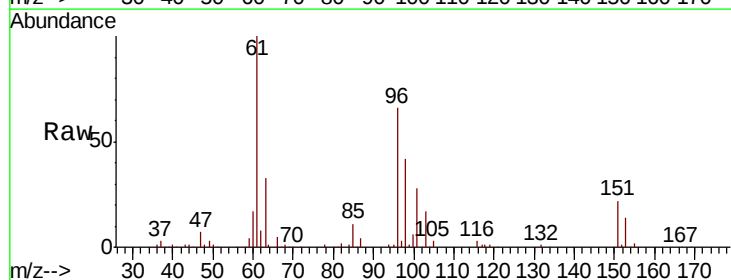
Tot Ion: 59 Resp: 72218
Ion Ratio Lower Upper
59 100
57 9.7 7.7 11.5

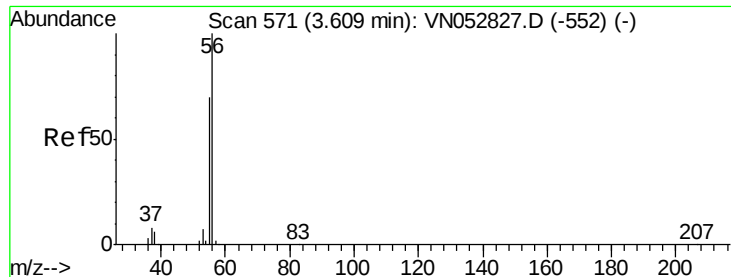


#12

1,1-Dichloroethene
Concen: 19.271 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion: 96 Resp: 202525
Ion Ratio Lower Upper
96 100
61 152.4 125.6 188.4
98 64.6 50.6 75.8





#13

Acrolein

Concen: 86.516 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

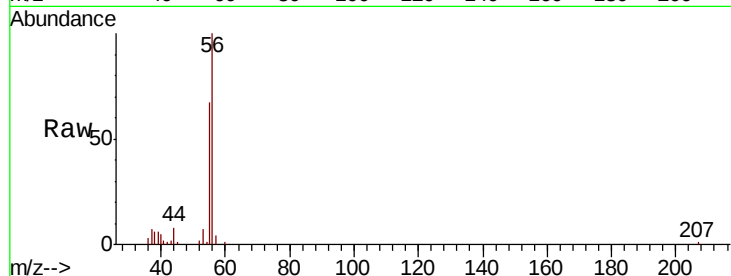
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 55317

Ion Ratio Lower Upper

56 100

55 71.5 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN052827.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN052827.D (-552) (-)

3.61

25000

20000

15000

10000

5000

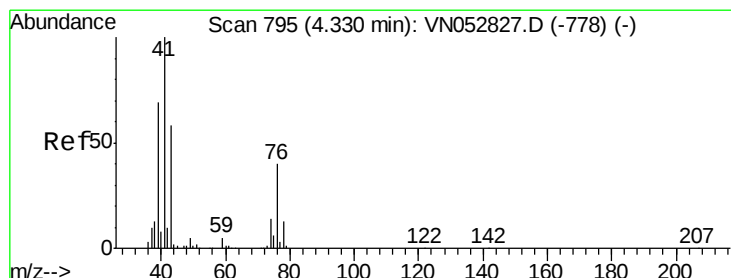
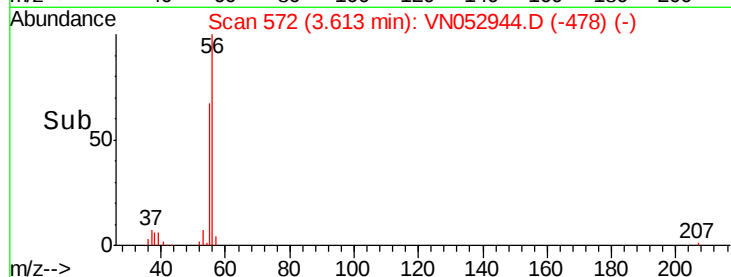
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 18.175 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

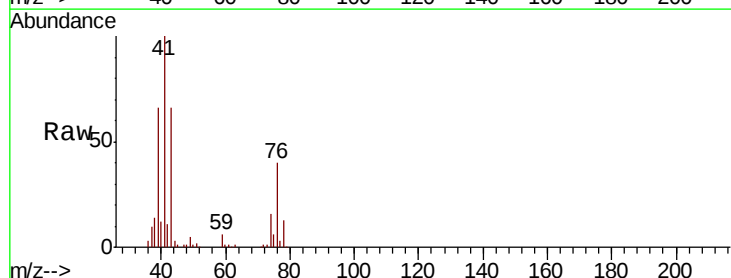
Tgt Ion: 41 Resp: 311985

Ion Ratio Lower Upper

41 100

39 64.6 54.1 81.1

76 38.3 30.3 45.5



Abundance Ion 41.00 (40.70 to 41.70): VN052827.D (-778) (-)

Ion 39.00 (38.70 to 39.70): VN052827.D (-778) (-)

Ion 75.90 (75.60 to 76.60): VN052827.D (-778) (-)

4.33

100000

50000

0

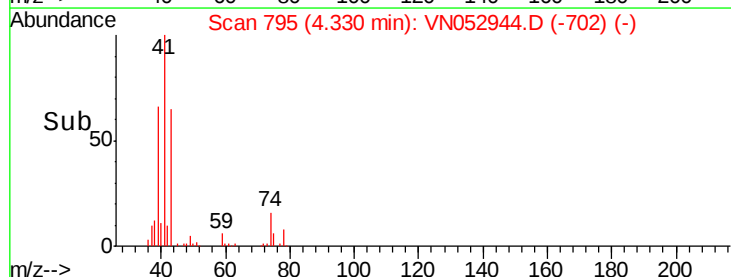
Time-->

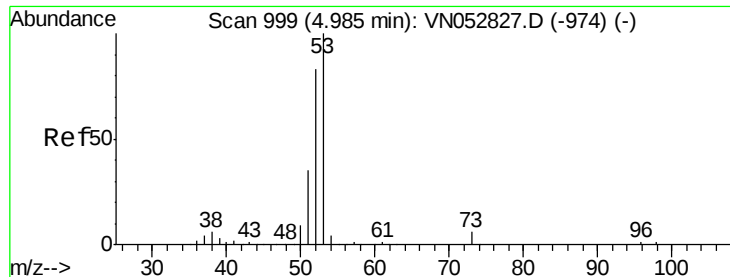
4.20

4.30

4.40

4.50





#15

Acrylonitrile

Concen: 101.729 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :

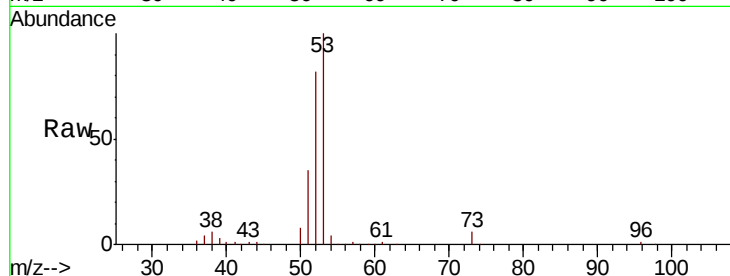
Tot Ion: 53 Resp: 387574

Ion Ratio Lower Upper

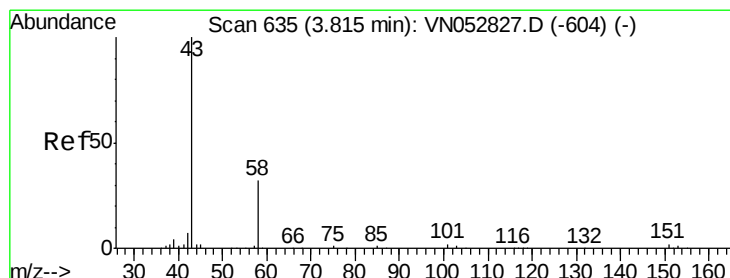
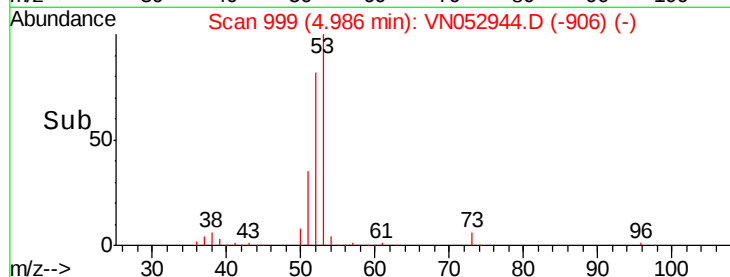
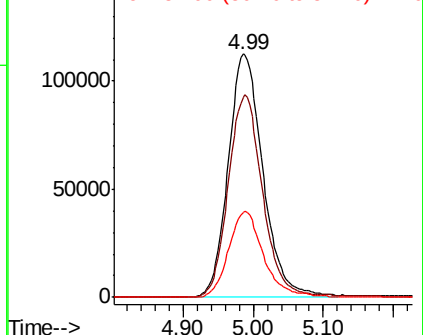
53 100

52 82.4 65.1 97.7

51 35.5 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 90.360 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052944.D

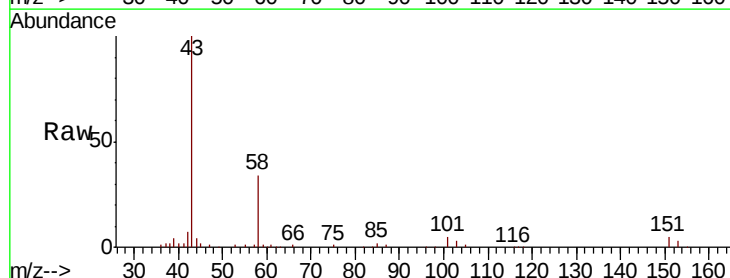
Acq: 17 Dec 2018 23:38

Tgt Ion: 43 Resp: 246655

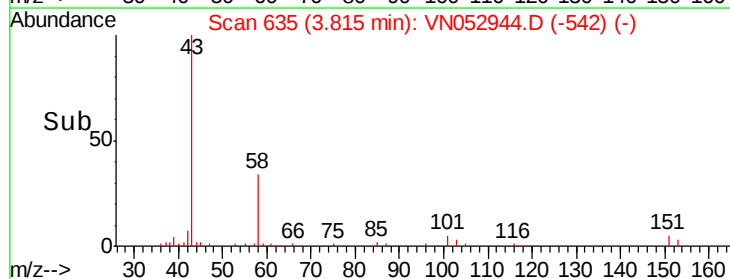
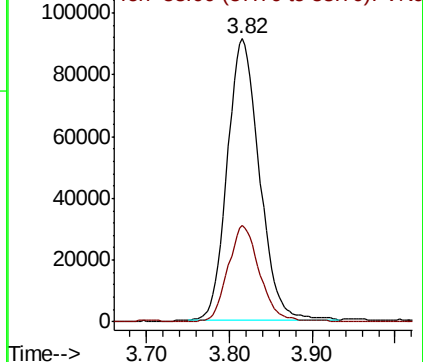
Ion Ratio Lower Upper

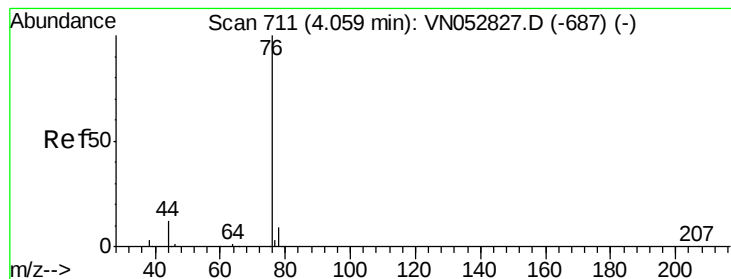
43 100

58 34.4 25.4 38.0



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





#17

Carbon Disulfide

Concen: 18.301 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

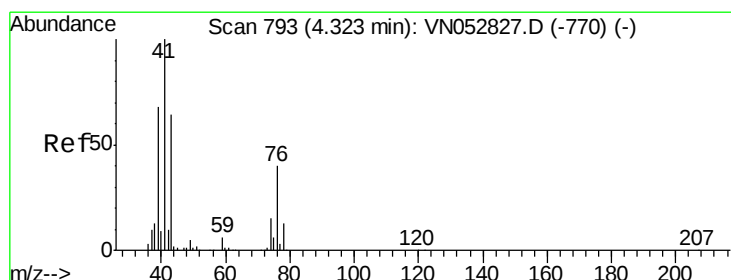
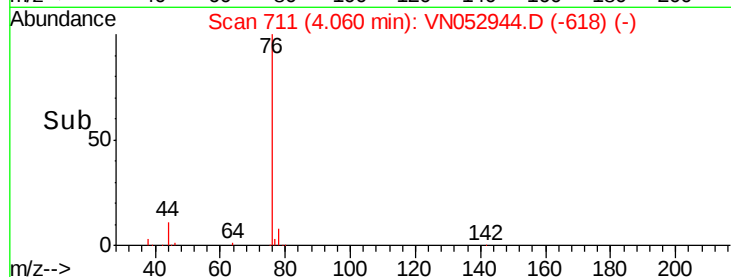
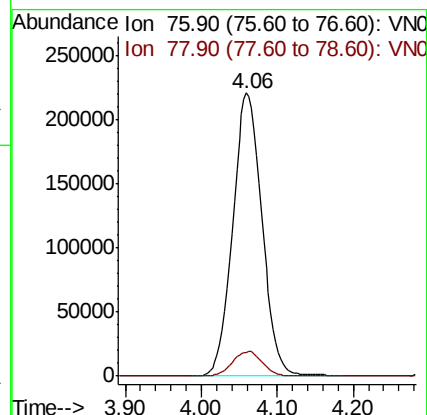
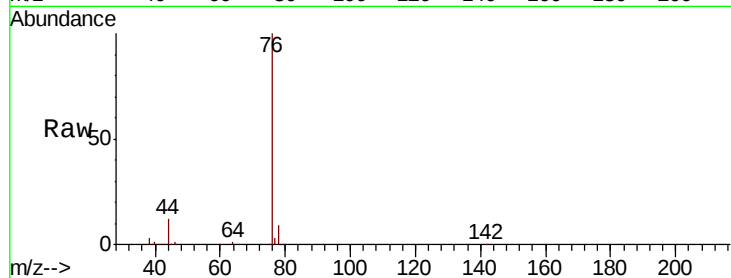
ClientSampled :

Tot Ion: 76 Resp: 590836

Ion Ratio Lower Upper

76 100

78 8.5 7.1 10.7



#18

Methyl Acetate

Concen: 20.833 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN052944.D

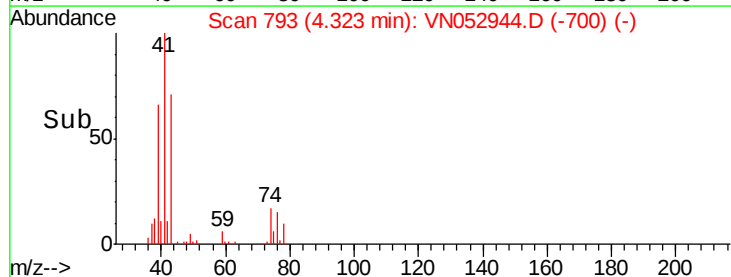
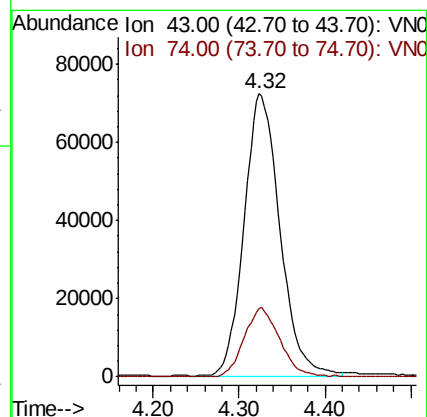
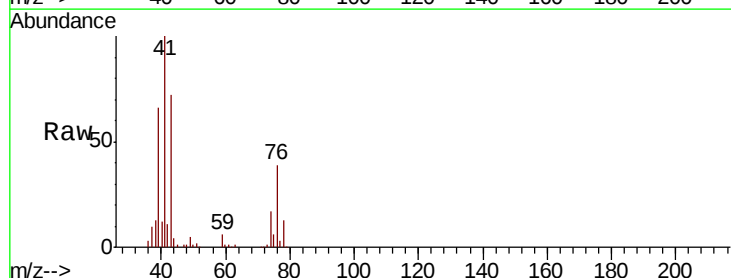
Acq: 17 Dec 2018 23:38

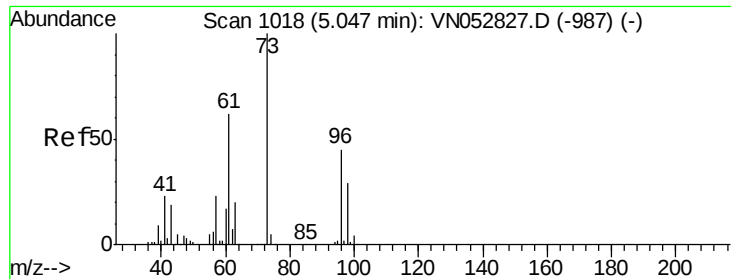
Tgt Ion: 43 Resp: 208706

Ion Ratio Lower Upper

43 100

74 24.5 19.2 28.8



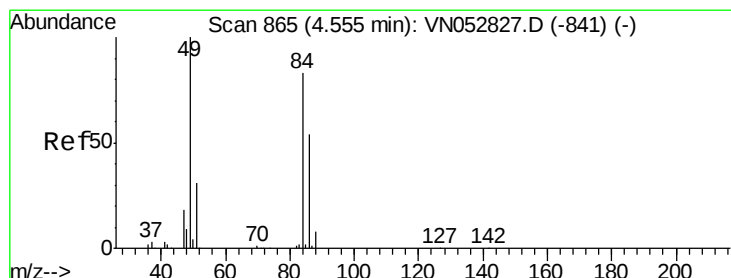
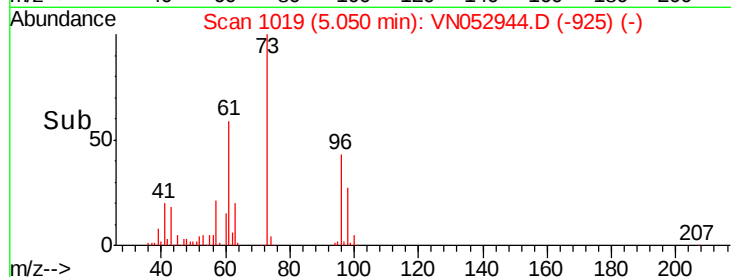
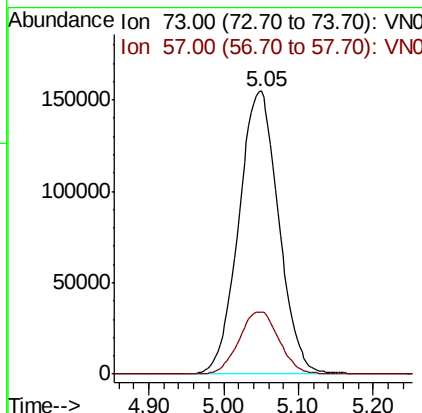
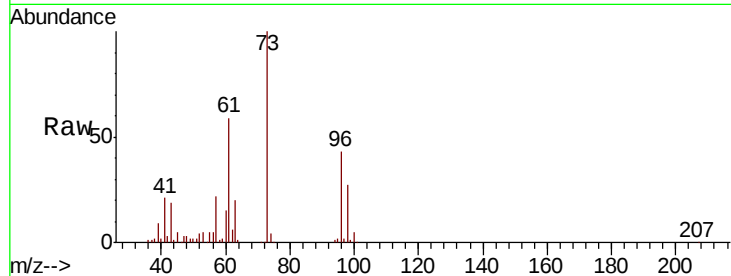


#19

Methyl tert-butyl Ether
 Concen: 20.118 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Instrument :
 MSVOA_N
 ClientSampleId :

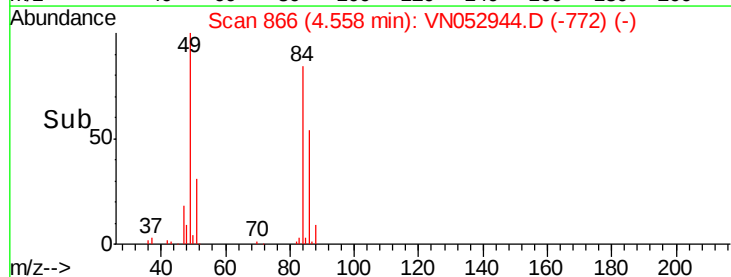
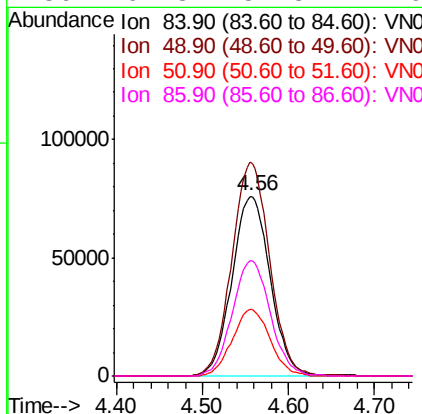
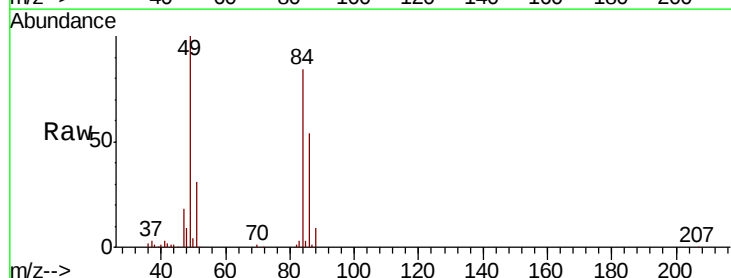
Tot Ion: 73 Resp: 573980
 Ion Ratio Lower Upper
 73 100
 57 21.8 18.4 27.6

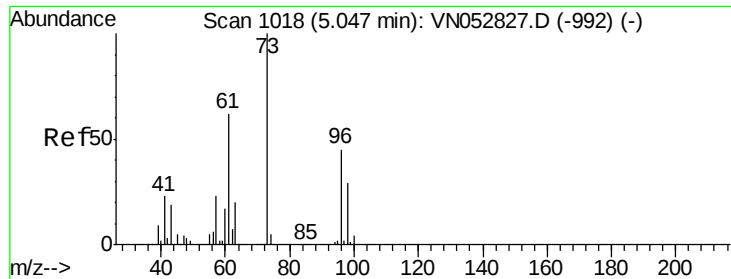


#20

Methylene Chloride
 Concen: 19.074 ug/l
 RT: 4.56 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion: 84 Resp: 234304
 Ion Ratio Lower Upper
 84 100
 49 118.3 96.8 145.2
 51 37.0 29.9 44.9
 86 64.3 51.8 77.6

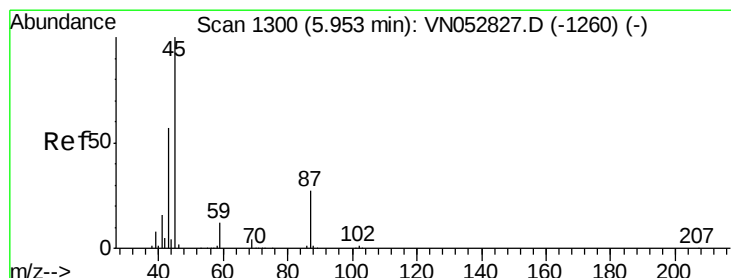
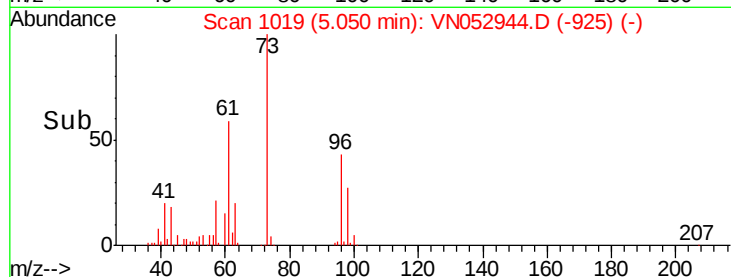
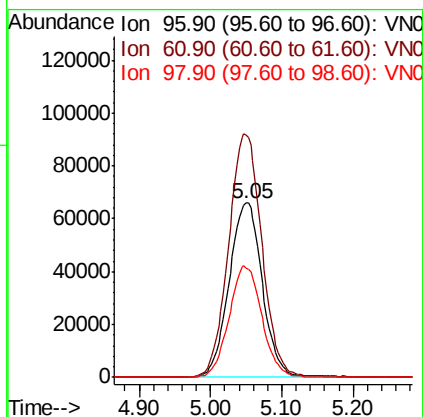
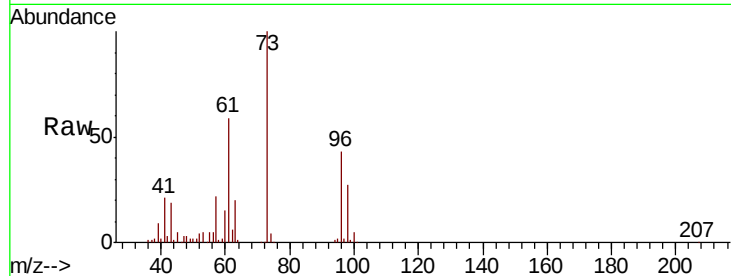




#21
trans-1,2-Dichloroethene
Concen: 18.799 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

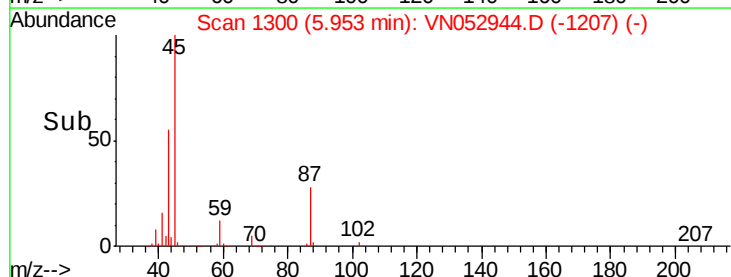
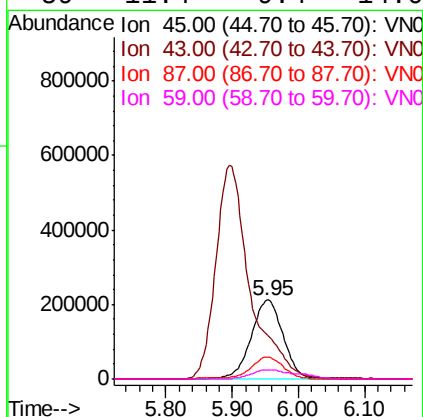
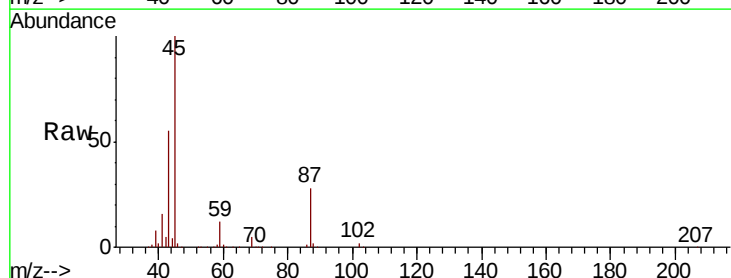
Instrument :
MSVOA_N
ClientSampleId :

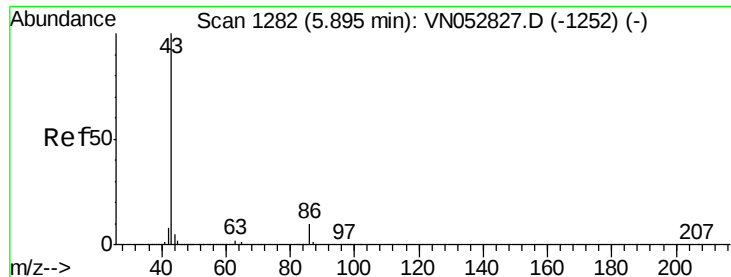
Tot Ion: 96 Resp: 214042
Ion Ratio Lower Upper
96 100
61 139.2 110.8 166.2
98 62.9 51.4 77.2



#22
Diisopropyl ether
Concen: 19.459 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion: 45 Resp: 712581
Ion Ratio Lower Upper
45 100
43 54.1 45.5 68.3
87 28.2 22.0 33.0
59 11.4 9.4 14.0





#23

Vinyl Acetate

Concen: 94.367 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

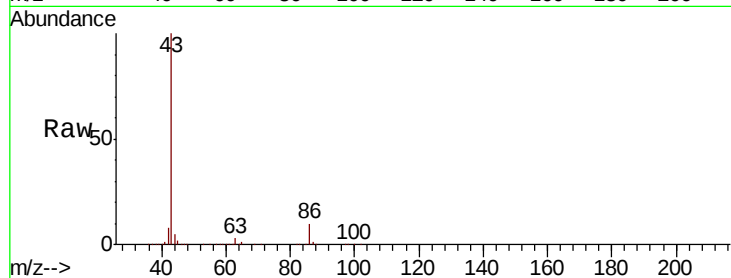
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2056256

Ion Ratio Lower Upper

43 100

86 10.4 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN052827.D (-1252) (-)

5.90

600000

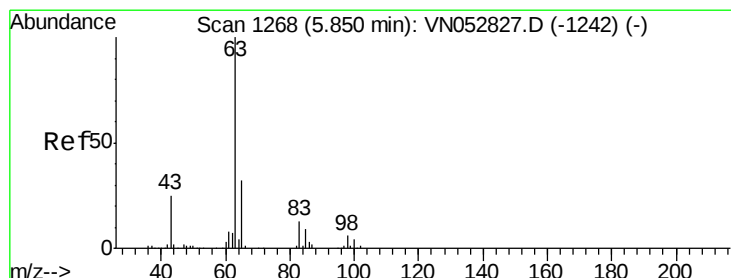
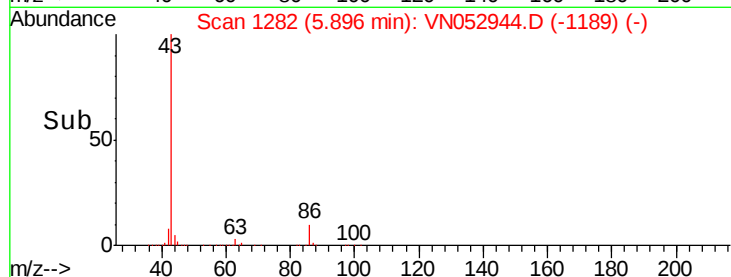
400000

200000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.275 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

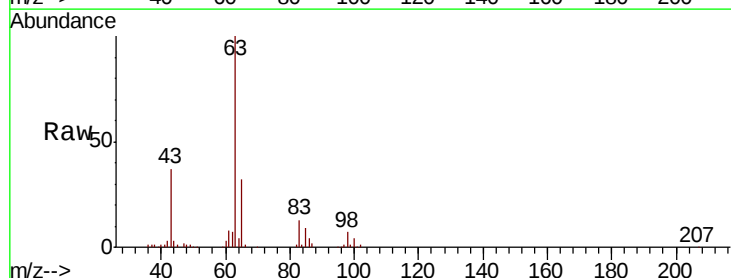
Tgt Ion: 63 Resp: 407037

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052827.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN052827.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN052827.D (-1242) (-)

5.85

150000

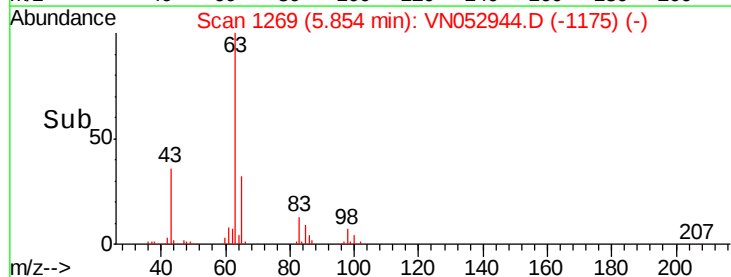
100000

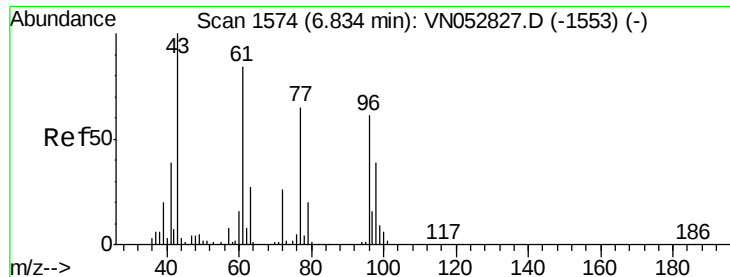
50000

0

Time-->

5.70 5.80 5.90 6.00

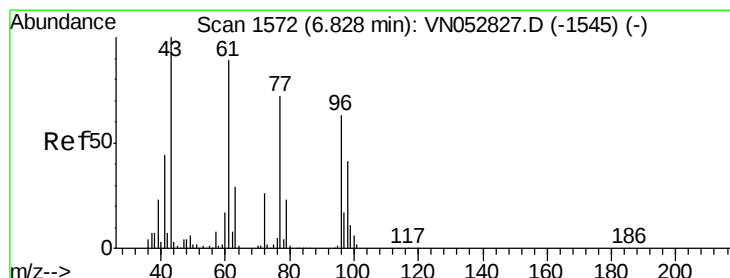
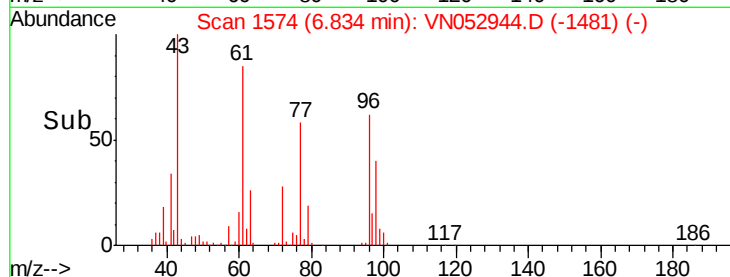
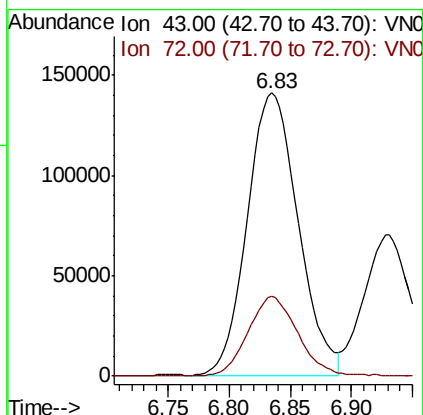
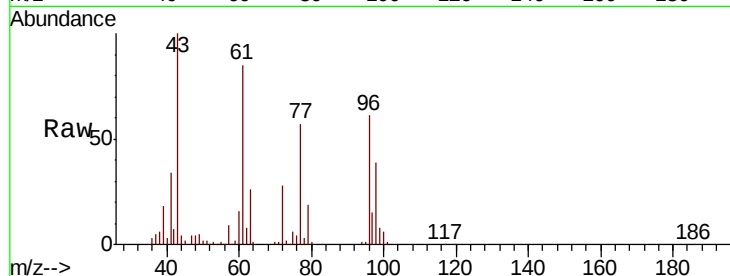




#25
2-Butanone
Concen: 96.156 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

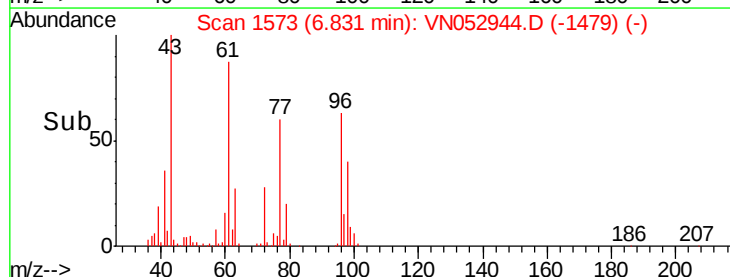
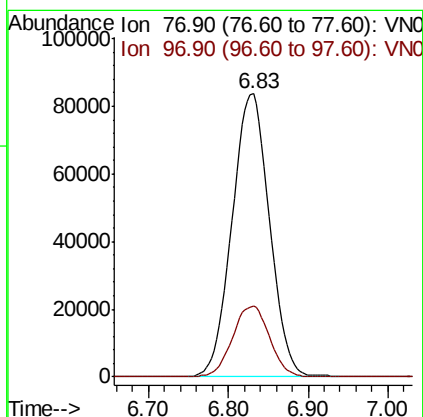
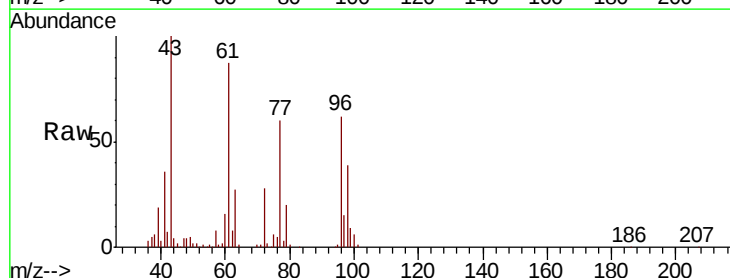
Instrument :
MSVOA_N
ClientSampled :

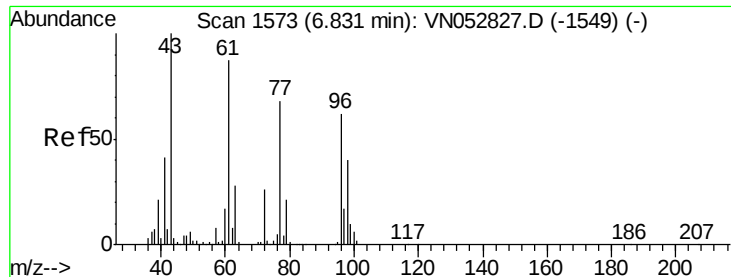
Tot Ion: 43 Resp: 407270
Ion Ratio Lower Upper
43 100
72 28.3 21.0 31.6



#26
2,2-Dichloropropane
Concen: 17.093 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion: 77 Resp: 265818
Ion Ratio Lower Upper
77 100
97 24.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.285 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampled :

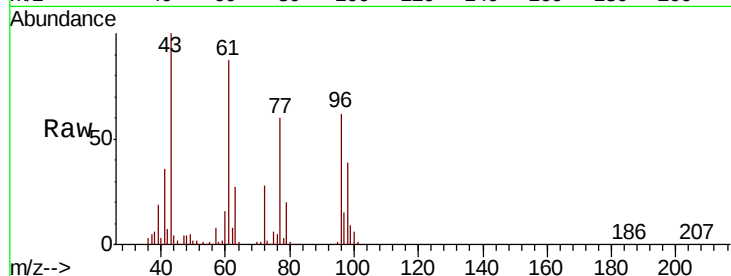
Tot Ion: 96 Resp: 249202

Ion Ratio Lower Upper

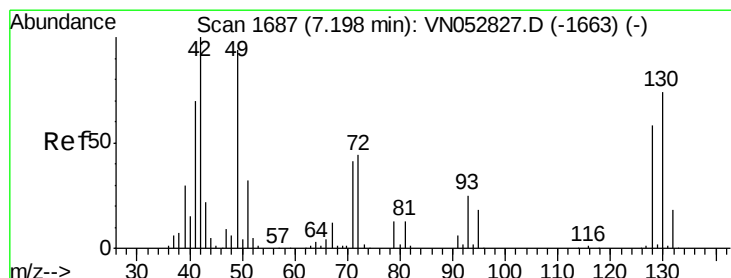
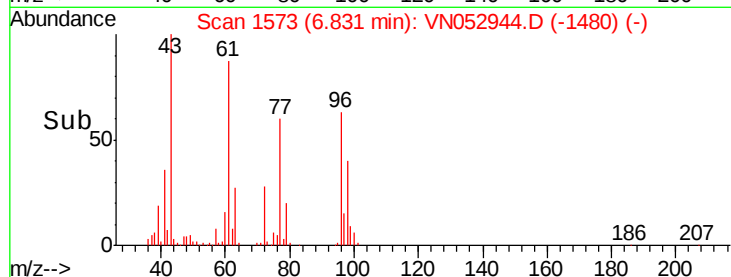
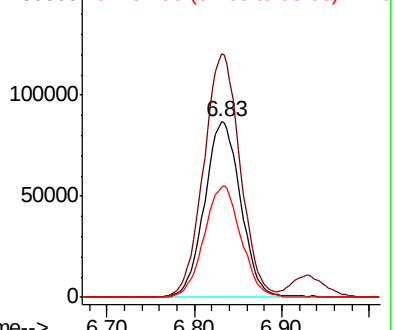
96 100

61 139.7 0.0 284.2

98 64.7 0.0 129.2



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: 20.513 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

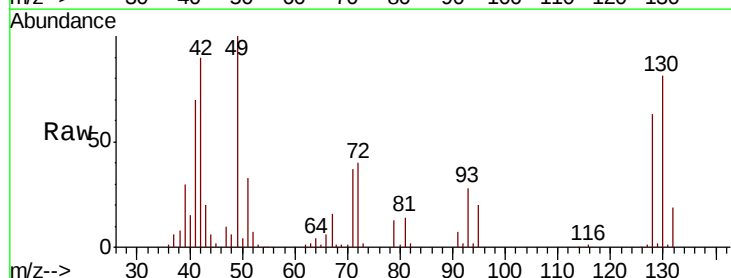
Tgt Ion: 49 Resp: 194514

Ion Ratio Lower Upper

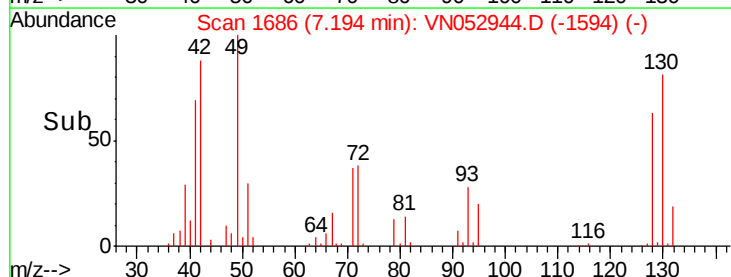
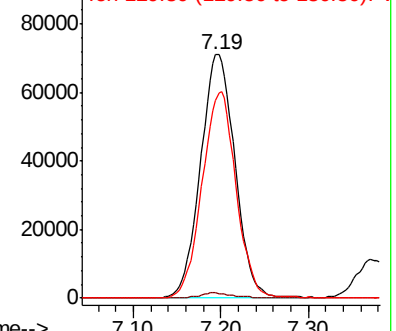
49 100

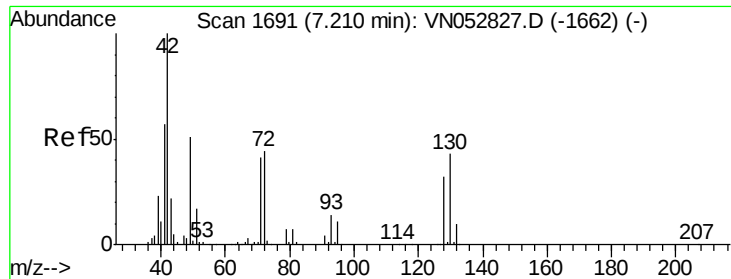
129 2.0 0.0 4.0

130 83.1 63.3 94.9



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

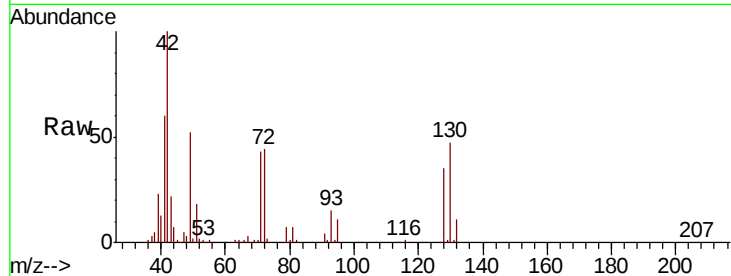




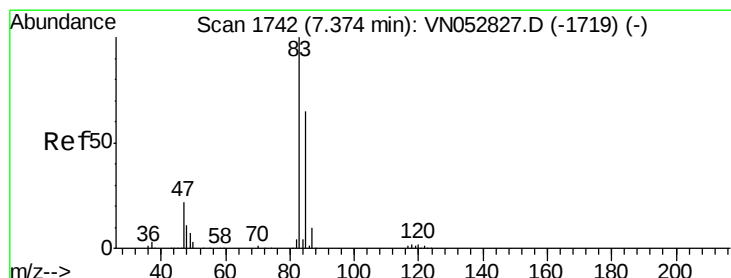
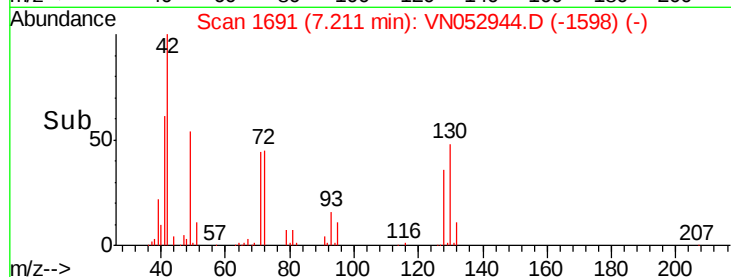
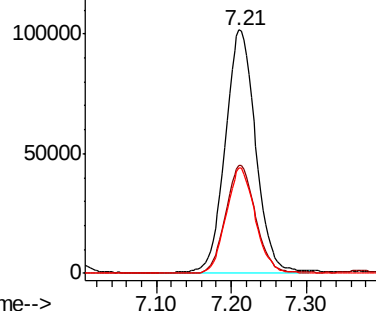
#29
Tetrahydrofuran
Concen: 99.001 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 286263
Ion Ratio Lower Upper
42 100
72 44.0 34.7 52.1
71 41.7 32.3 48.5

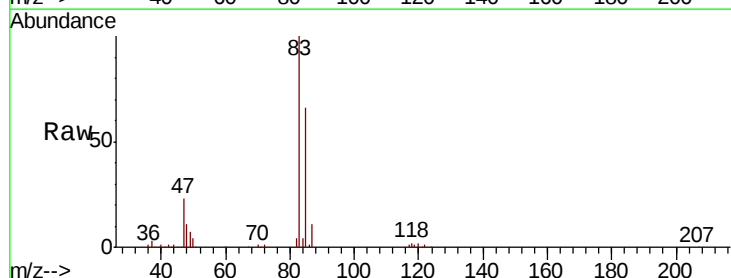


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

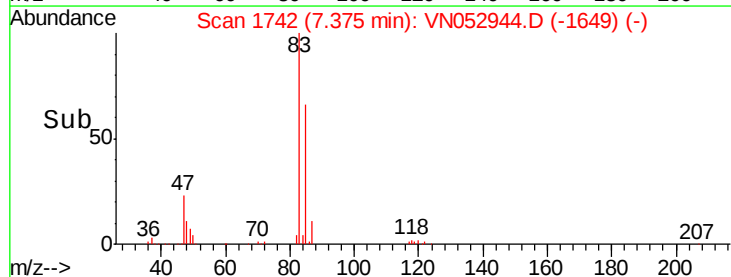
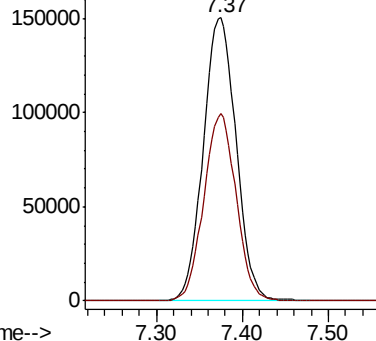


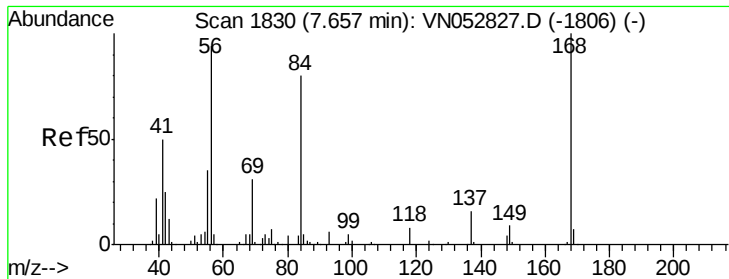
#30
Chloroform
Concen: 19.392 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion: 83 Resp: 399335
Ion Ratio Lower Upper
83 100
85 66.3 52.1 78.1



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





#31

Cyclohexane

Concen: 18.218 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampled :

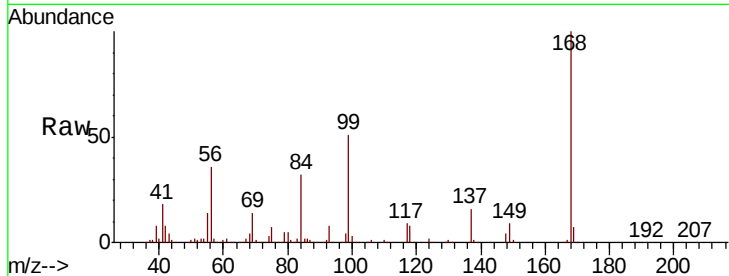
Tot Ion: 56 Resp: 382817

Ion Ratio Lower Upper

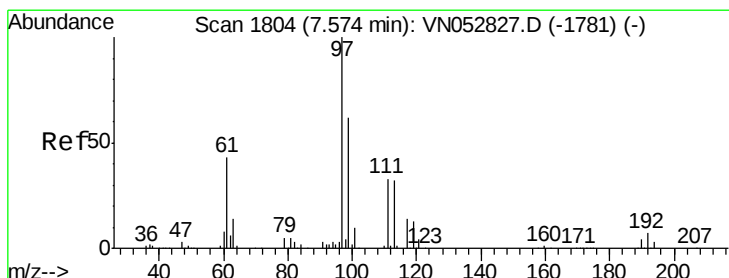
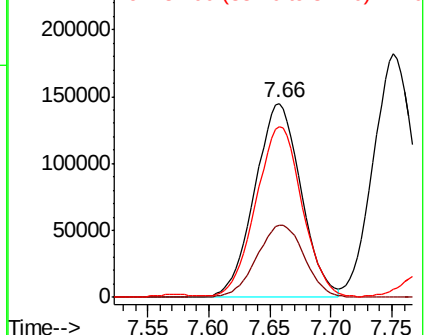
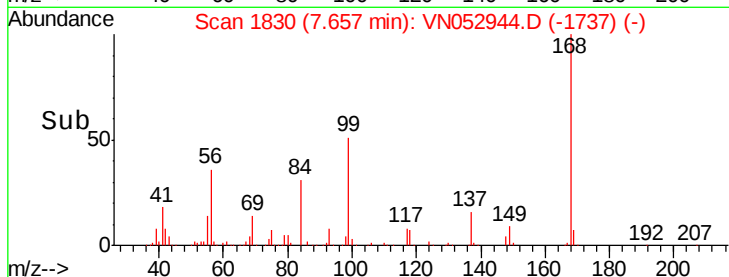
56 100

69 37.3 26.6 39.8

84 87.1 68.4 102.6



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: 19.408 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

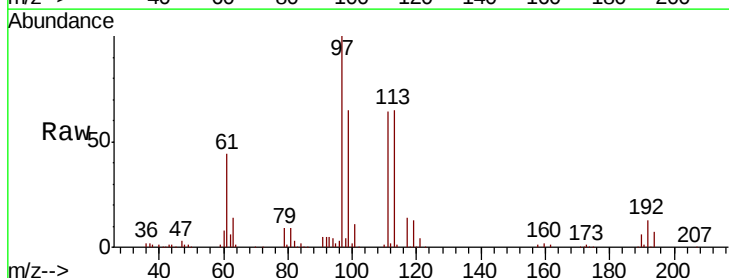
Tgt Ion: 97 Resp: 334400

Ion Ratio Lower Upper

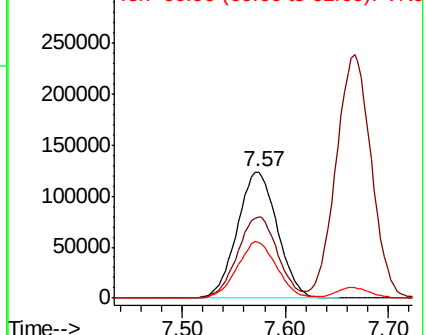
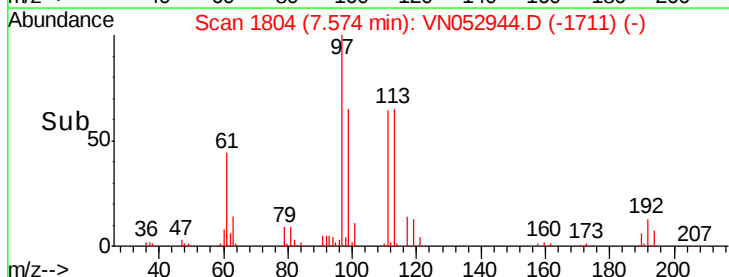
97 100

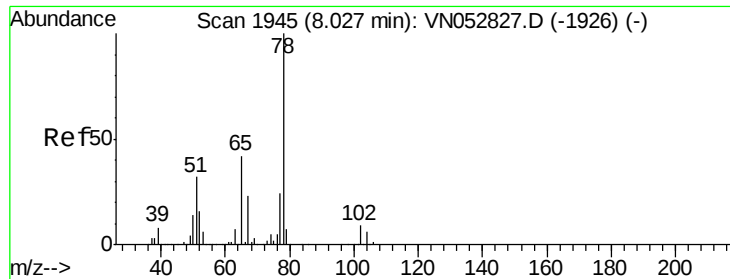
99 64.2 51.1 76.7

61 43.7 35.0 52.6



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

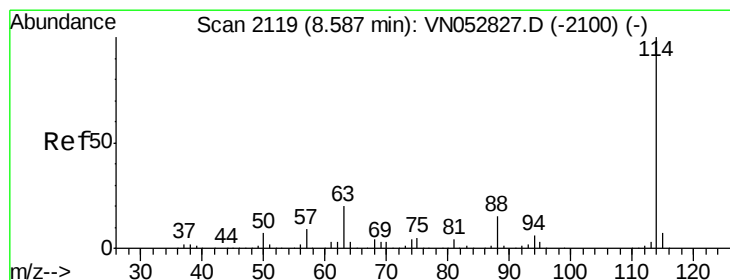
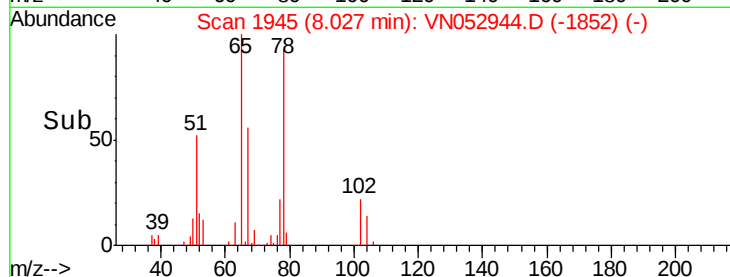
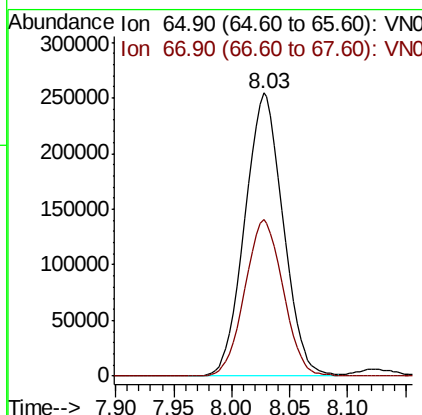
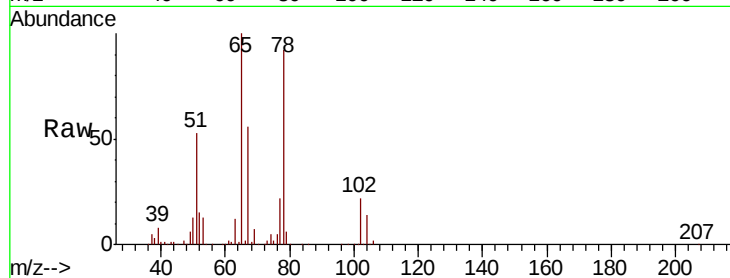




#33
 1,2-Dichloroethane-d4
 Concen: 19.408 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

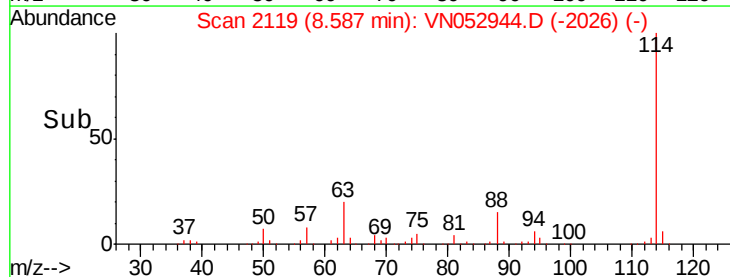
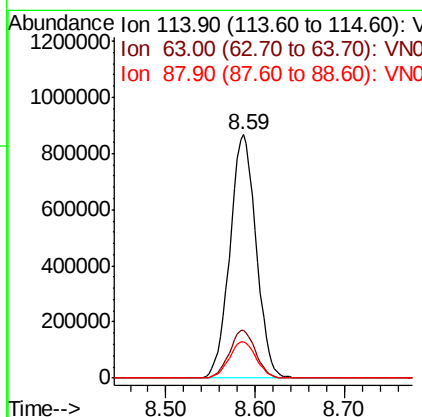
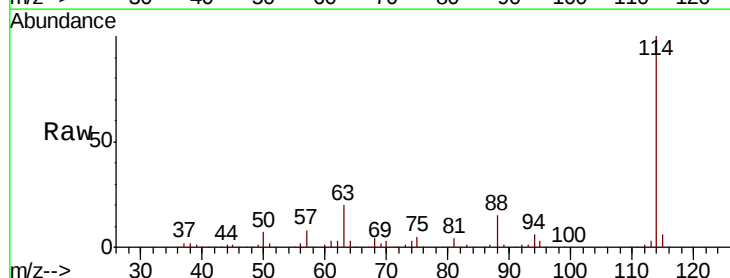
Instrument :
 MSVOA_N
 ClientSampleId :

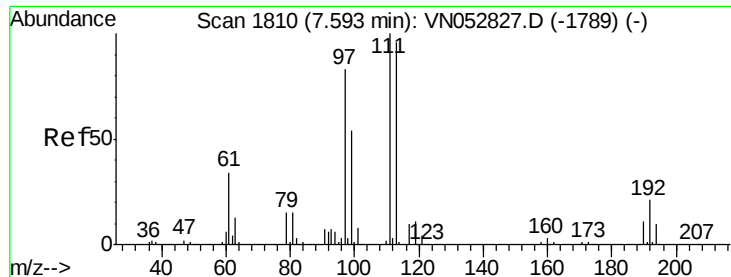
Tot Ion: 65 Resp: 585475
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion: 114 Resp: 1765189
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.1 0.0 31.0

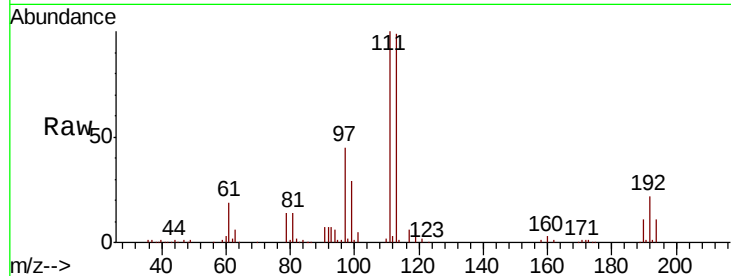




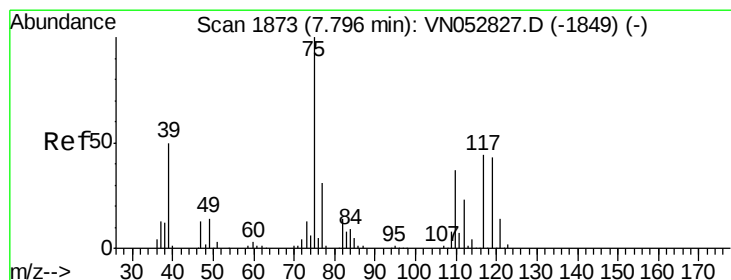
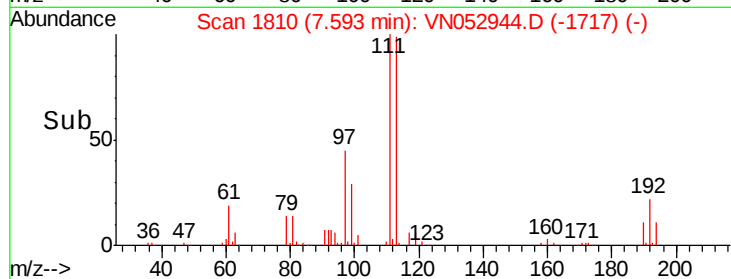
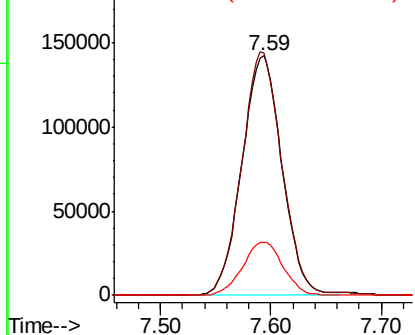
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 357985
 Ion Ratio Lower Upper
 113 100
 111 101.3 83.0 124.4
 192 22.5 17.5 26.3

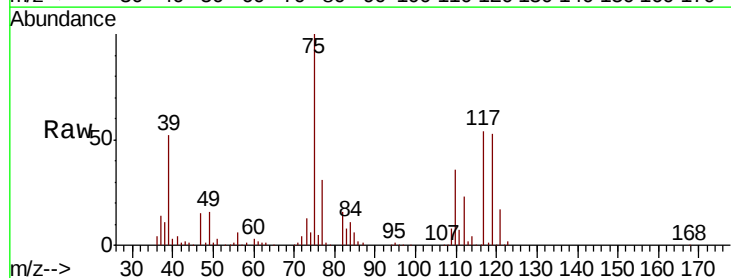


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

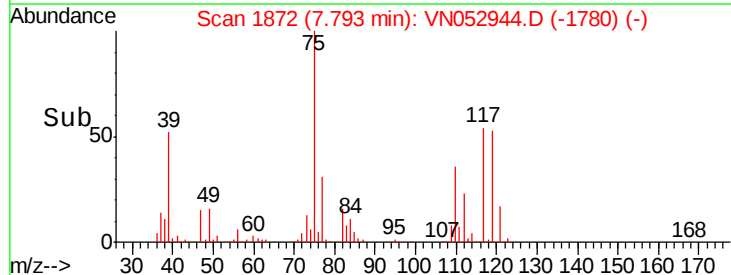
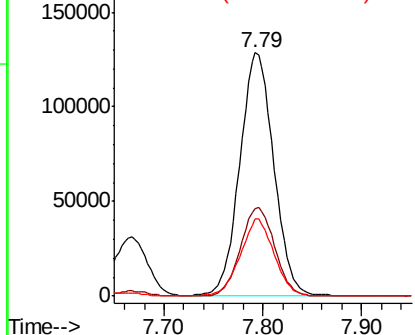


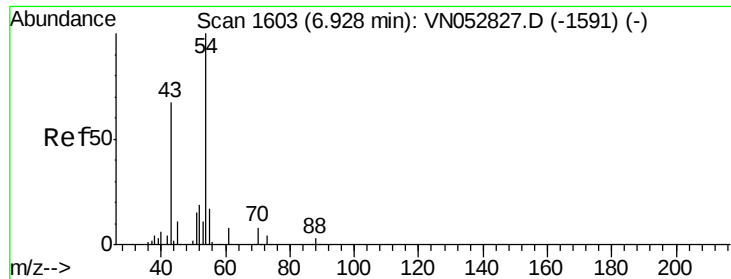
#36
 1,1-Dichloropropene
 Concen: 18.774 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion: 75 Resp: 305176
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.2 54.6
 77 31.7 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

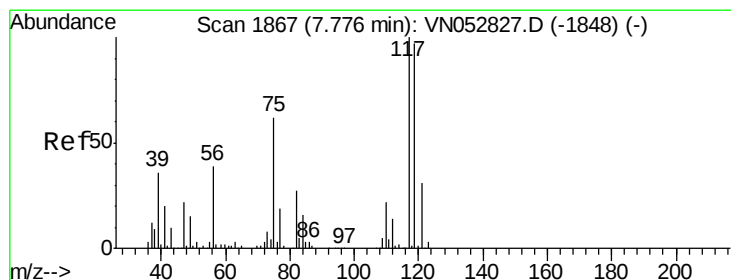
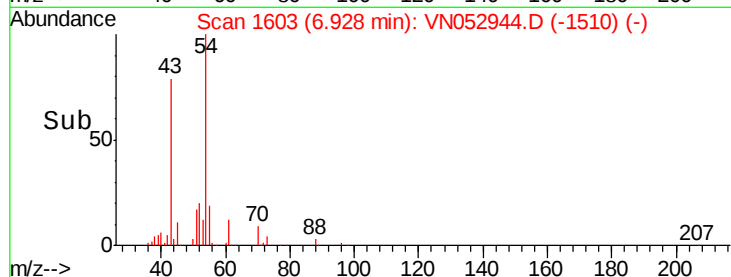
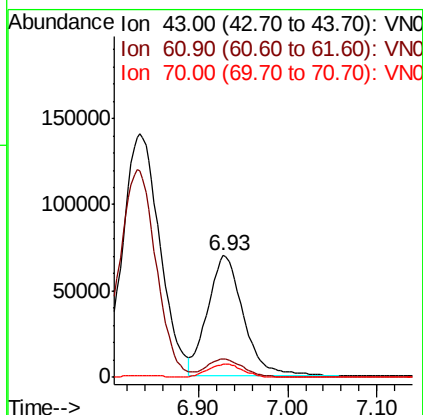
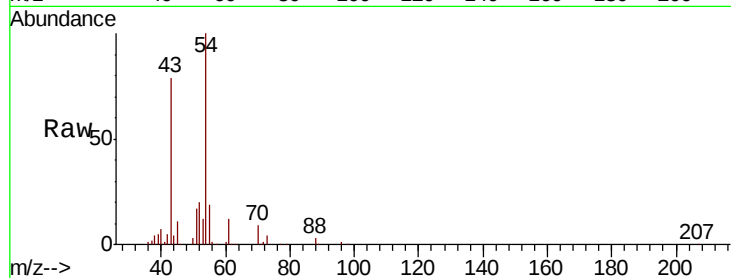




#37
Ethyl Acetate
Concen: 19.978 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

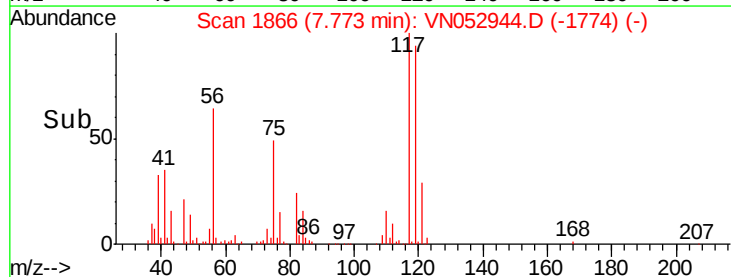
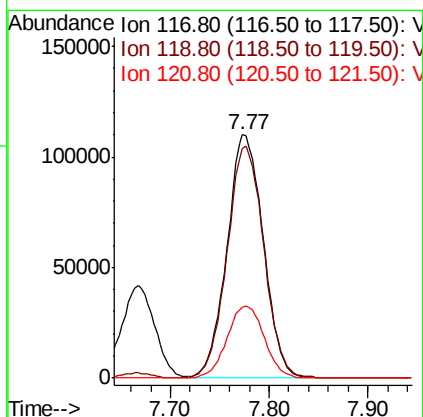
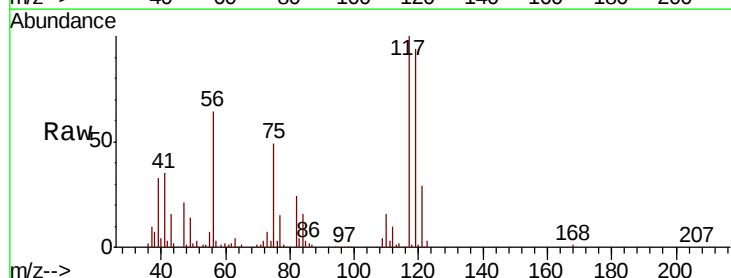
Instrument :
MSVOA_N
ClientSampled :

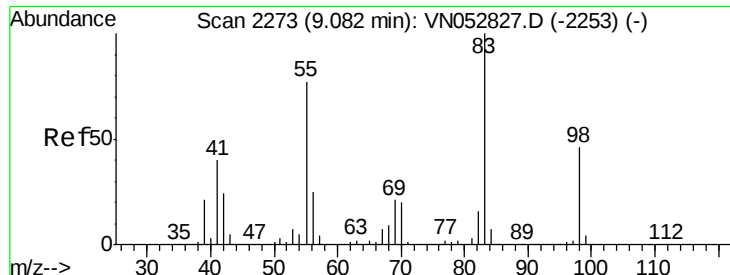
Tot Ion: 43 Resp: 195083
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.6
70 10.9 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.815 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion: 117 Resp: 281508
Ion Ratio Lower Upper
117 100
119 94.2 77.1 115.7
121 29.4 24.9 37.3

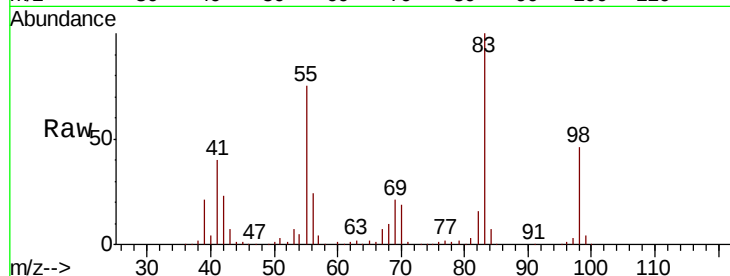




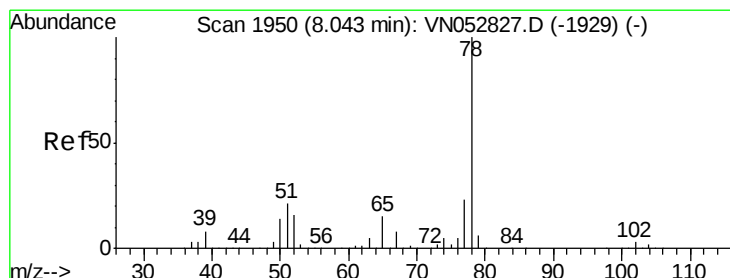
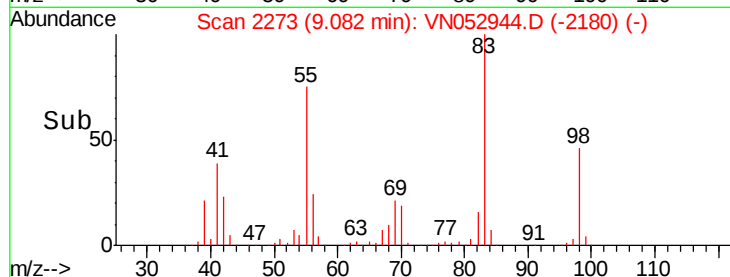
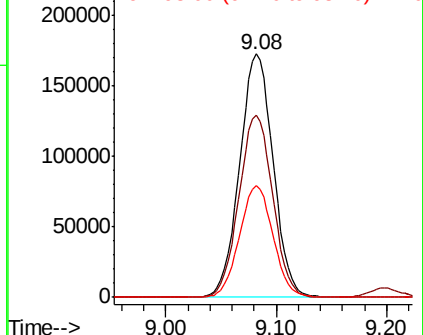
#39
Methvlcvclohexane
Concen: 18.159 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 362239
Ion Ratio Lower Upper
83 100
55 74.6 61.3 91.9
98 45.7 37.0 55.4

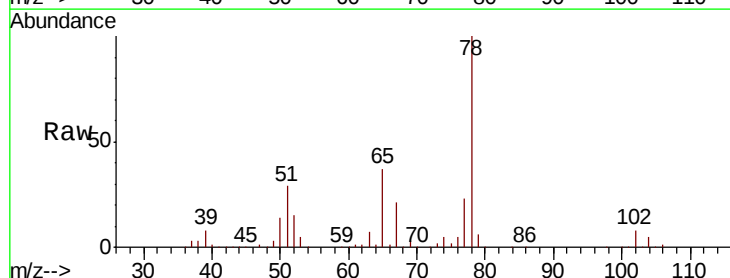


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

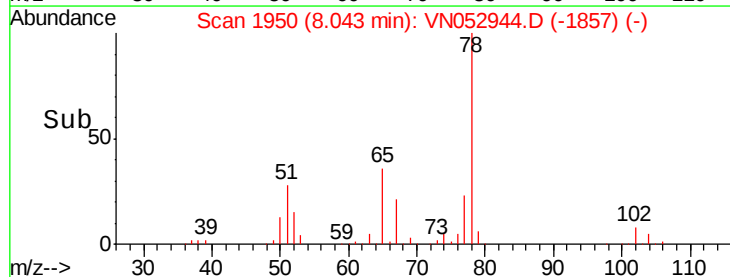
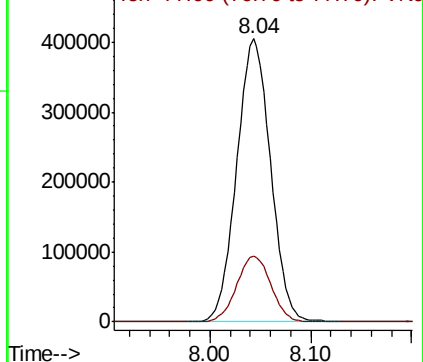


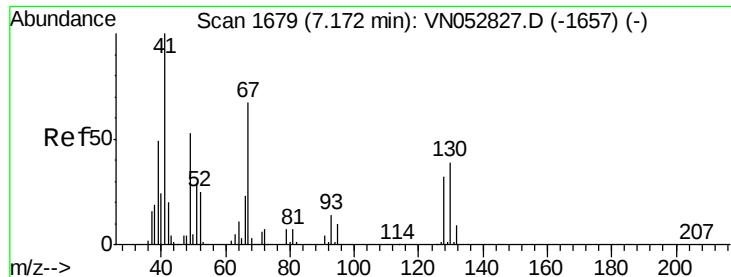
#40
Benzene
Concen: 19.320 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion: 78 Resp: 942583
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7



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

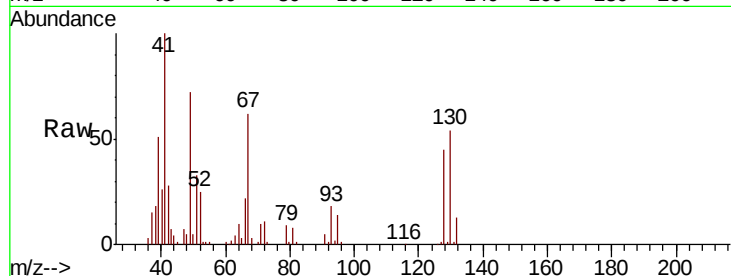




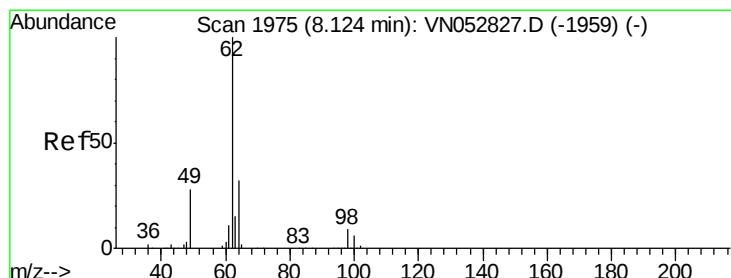
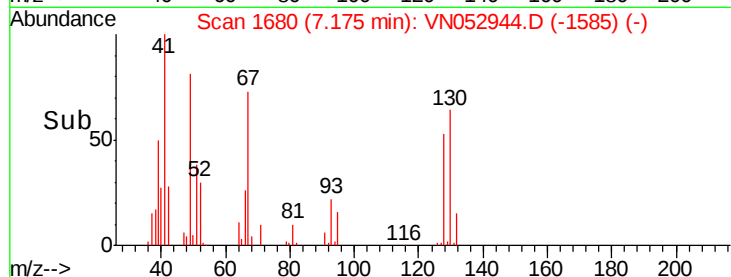
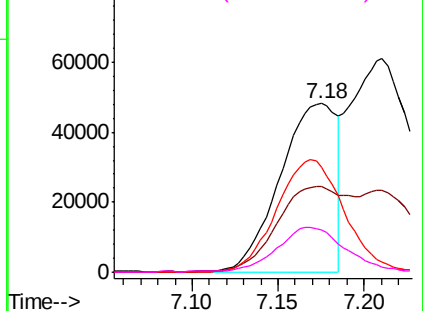
#41
Methacrylonitrile
Concen: 20.327 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	109978
Ion	Ratio	Lower	Upper
41	100		
39	64.6	48.0	72.0
67	80.3	70.3	105.5
52	31.8	26.9	40.3

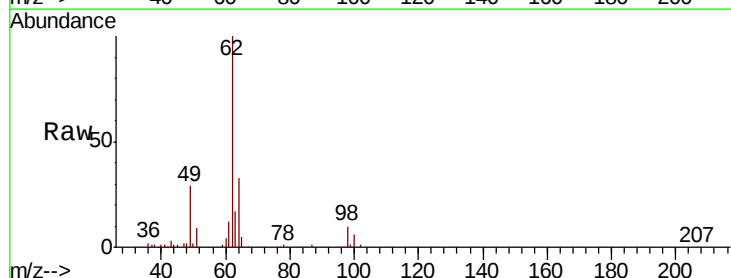


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

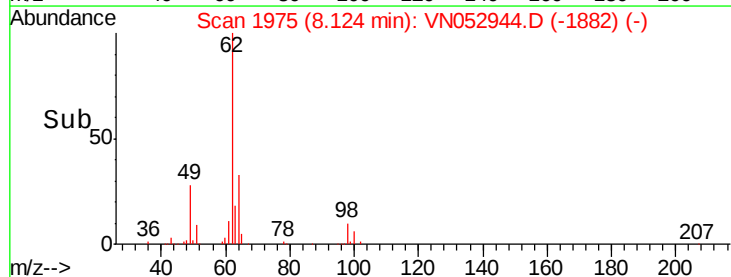
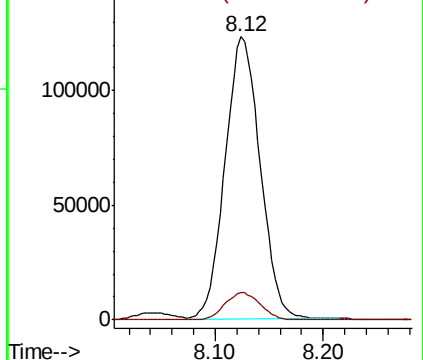


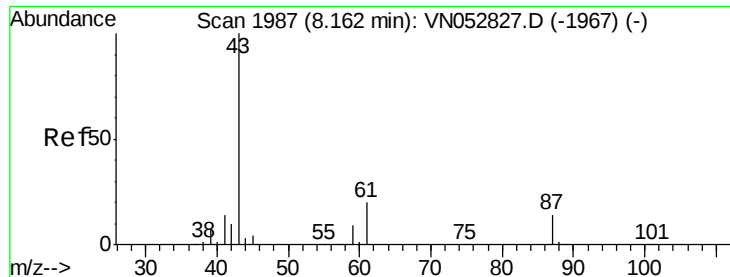
#42
1,2-Dichloroethane
Concen: 19.050 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion:	62	Resp:	279799
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.0



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



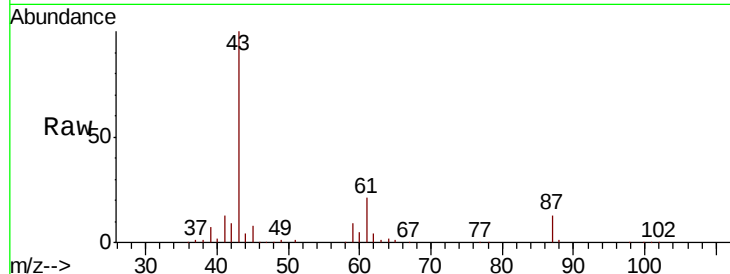


#43

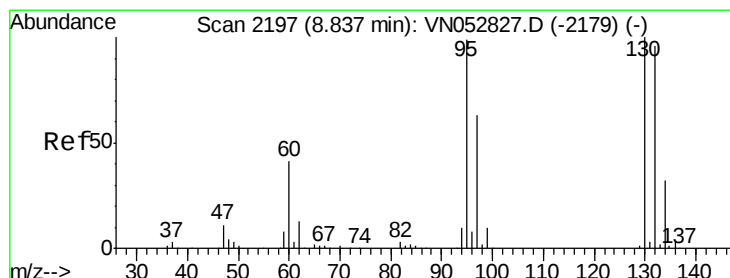
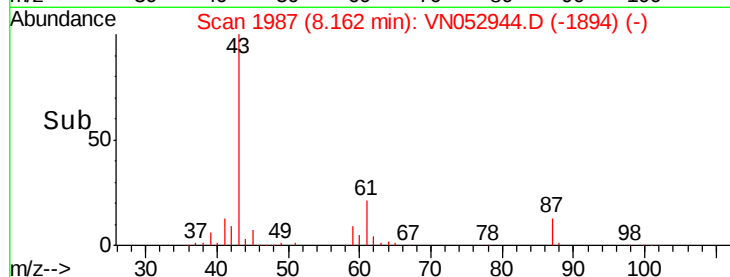
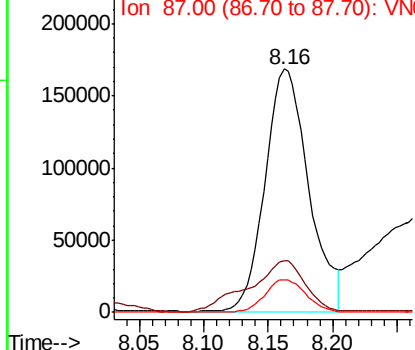
Isopropyl Acetate
 Concen: 19.734 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 395090
 Ion Ratio Lower Upper
 43 100
 61 26.9 22.9 34.3
 87 12.7 10.6 15.8



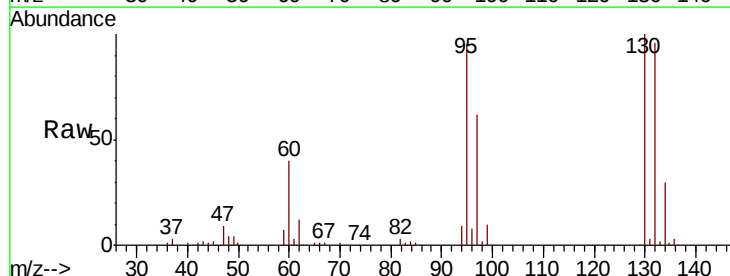
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



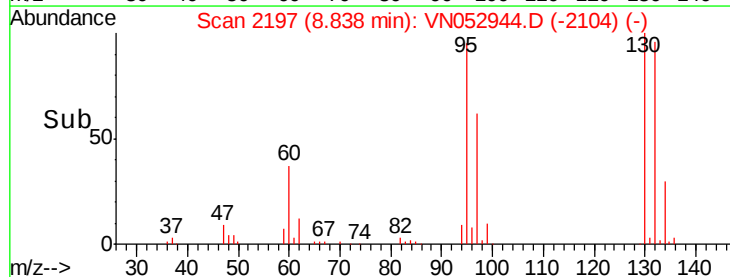
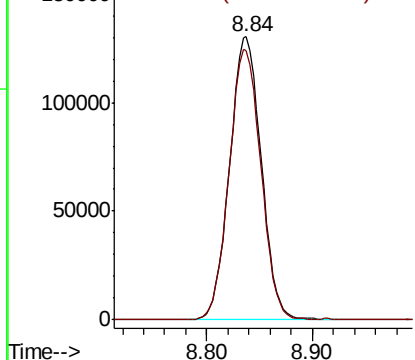
#44

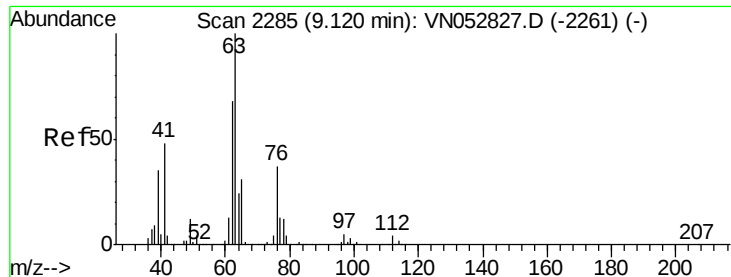
Trichloroethene
 Concen: 20.478 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion:130 Resp: 269857
 Ion Ratio Lower Upper
 130 100
 95 95.3 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 19.526 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

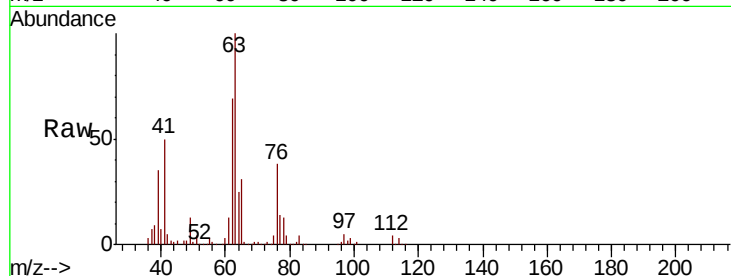
ClientSampleId :

Tot Ion: 63 Resp: 249513

Ion Ratio Lower Upper

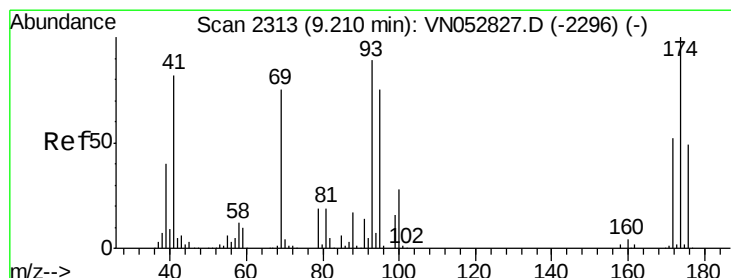
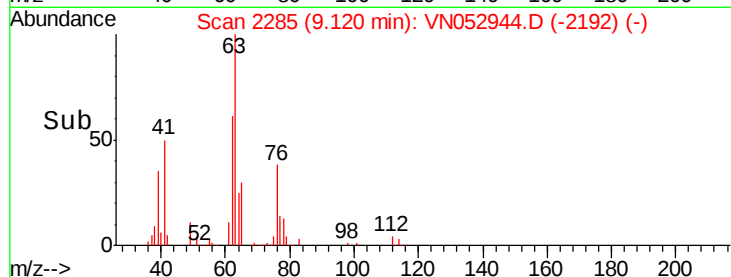
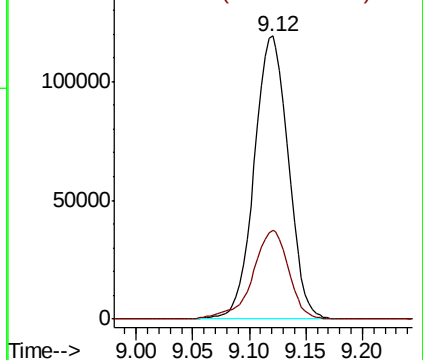
63 100

65 31.4 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.695 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

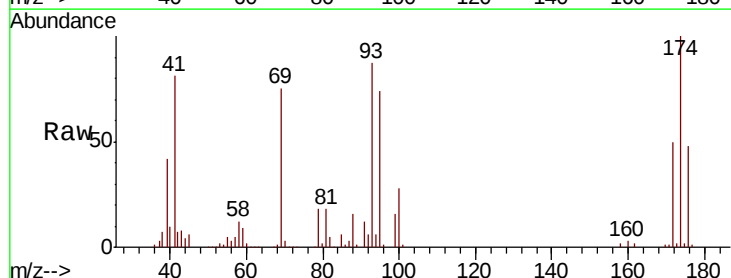
Tgt Ion: 93 Resp: 145960

Ion Ratio Lower Upper

93 100

95 84.0 67.8 101.6

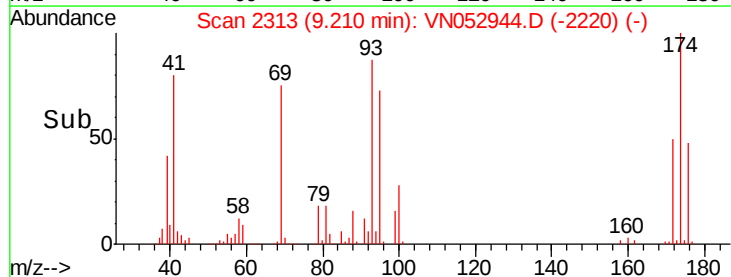
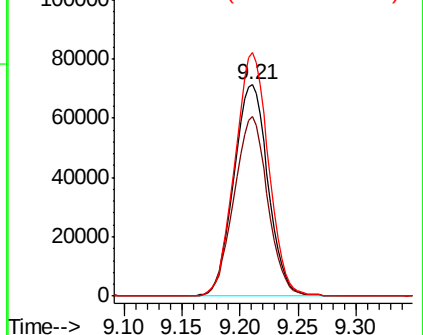
174 113.6 89.0 133.4

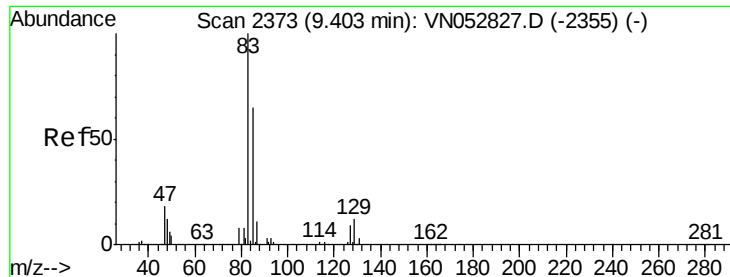


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.875 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampleId :

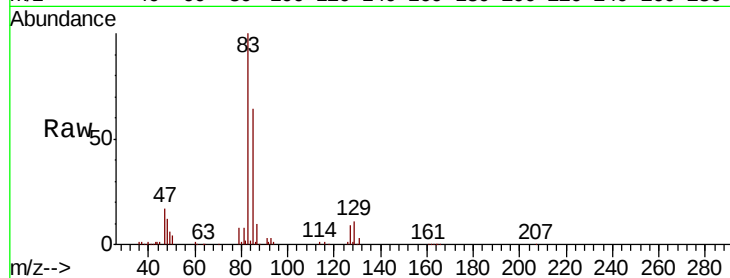
Tot Ion: 83 Resp: 305431

Ion Ratio Lower Upper

83 100

85 63.5 51.6 77.4

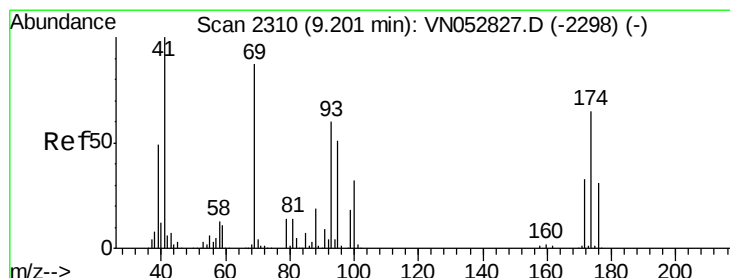
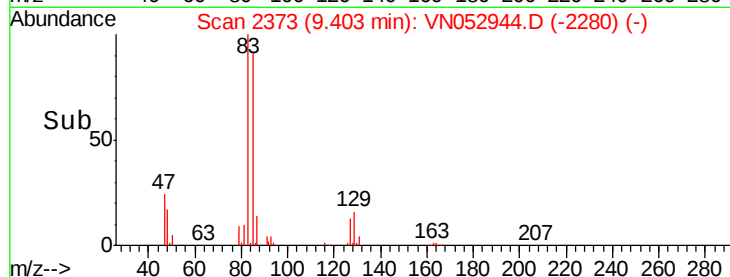
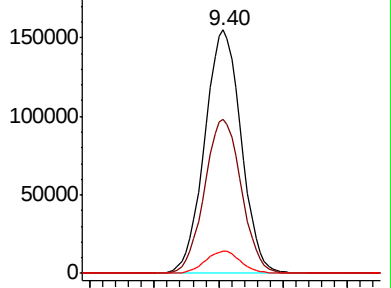
127 9.0 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN052827.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN052827.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN052827.D (-2355) (-)



#48

Methyl methacrylate

Concen: 20.599 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

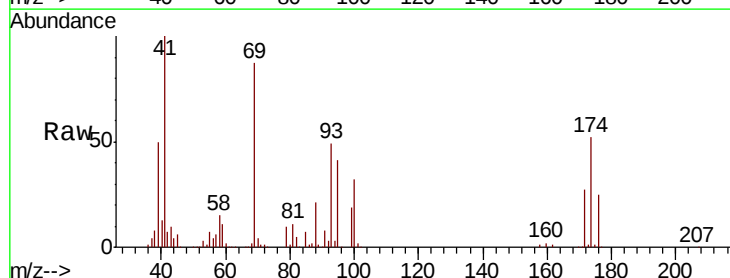
Tgt Ion: 41 Resp: 180862

Ion Ratio Lower Upper

41 100

69 91.6 72.2 108.2

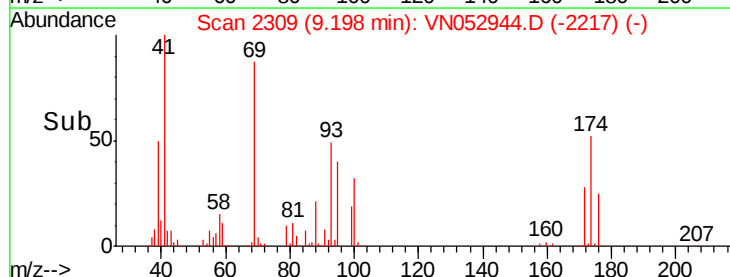
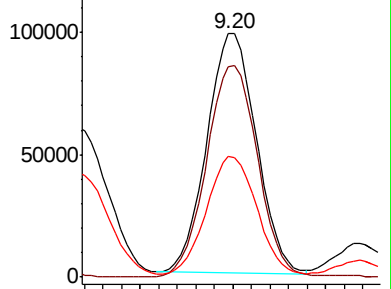
39 52.4 41.9 62.9

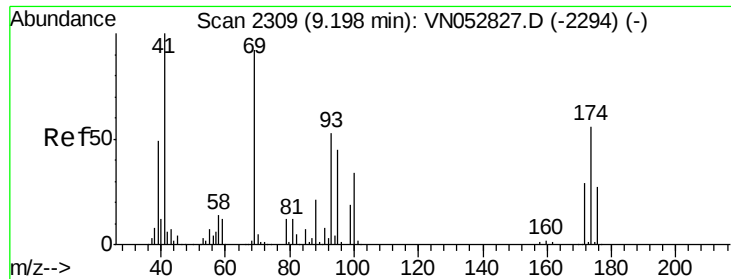


Abundance Ion 41.00 (40.70 to 41.70): VN052827.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN052827.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN052827.D (-2298) (-)

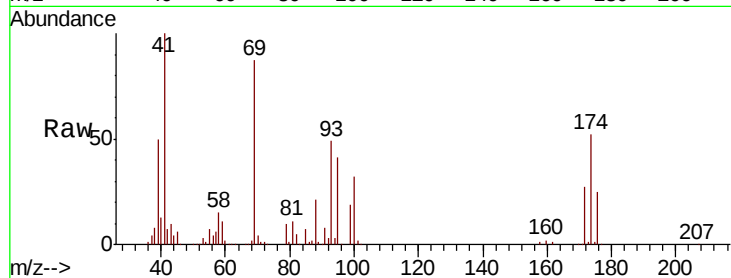




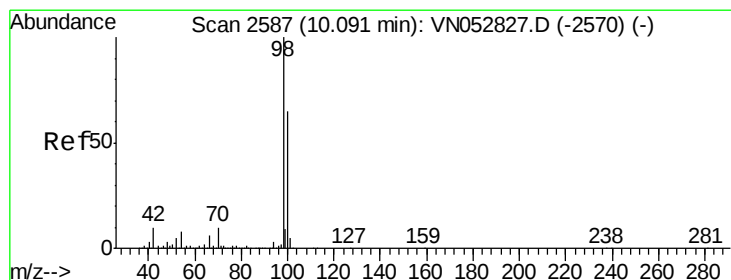
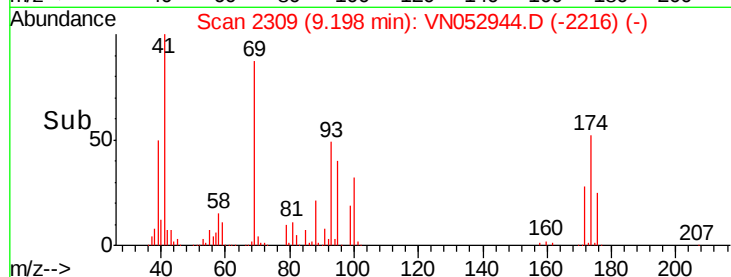
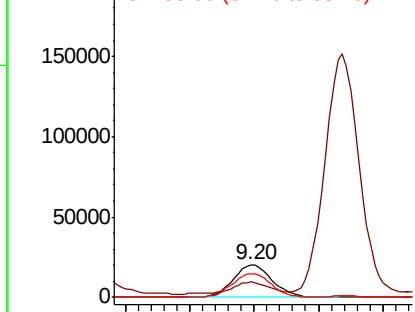
#49
1,4-Dioxane
Concen: 427.168 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 42572
Ion Ratio Lower Upper
88 100
43 30.8 26.6 40.0
58 73.7 58.4 87.6

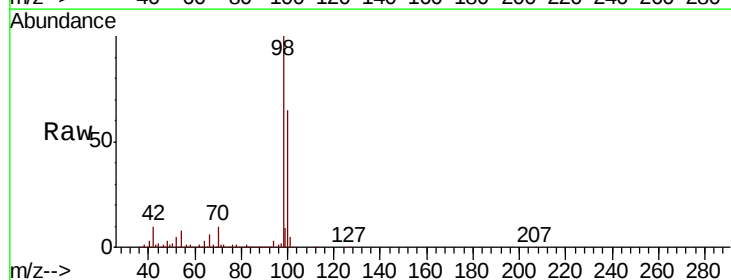


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

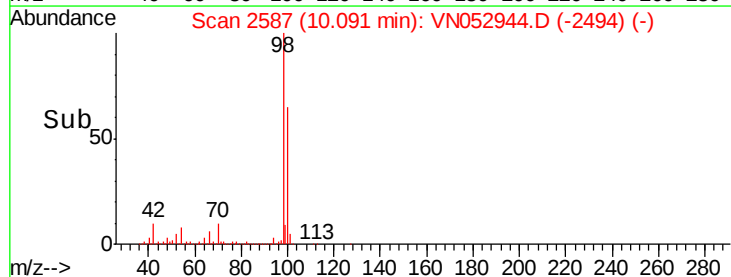
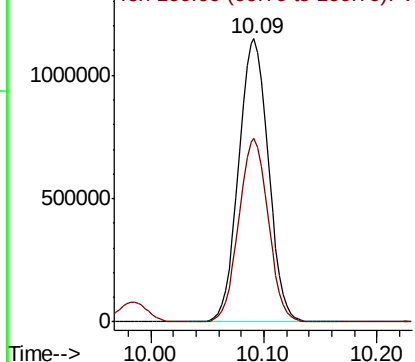


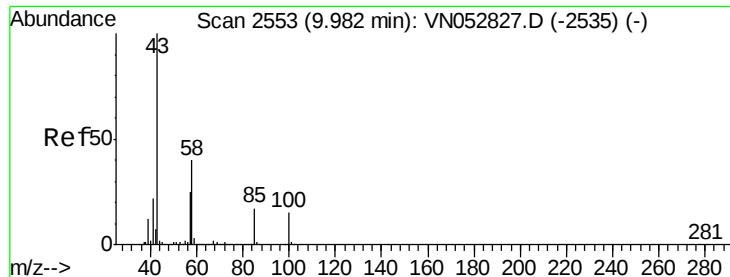
#50
Toluene-d8
Concen: 427.168 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion: 98 Resp: 2103133
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



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





#51

4-Methyl-2-Pentanone

Concen: 103.218 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

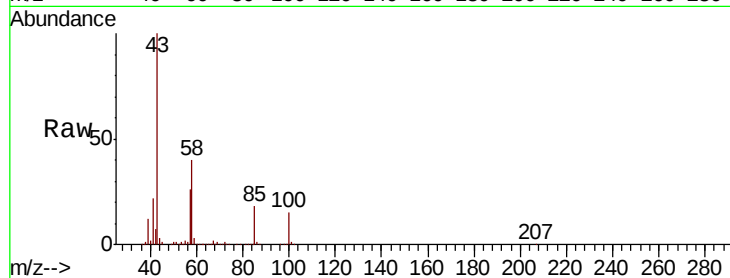
ClientSampled :

Tot Ion: 43 Resp: 947591

Ion Ratio Lower Upper

43 100

58 41.0 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN052827.D (-2535) (-)

9.98

500000

400000

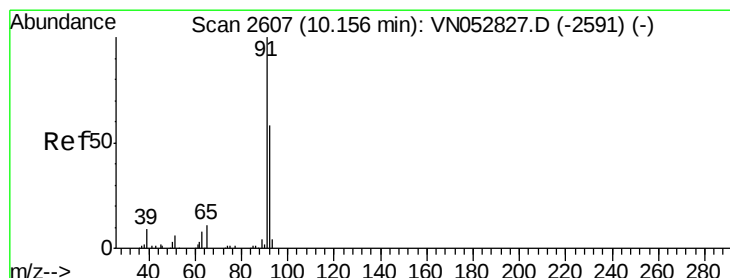
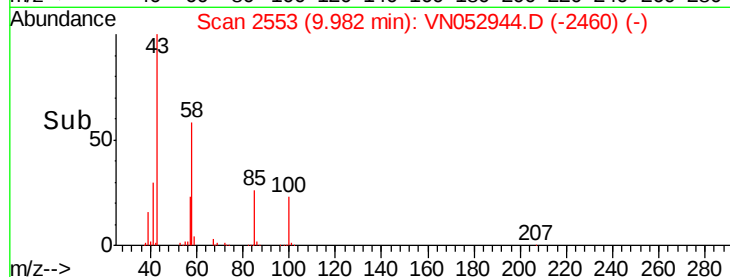
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.741 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052944.D

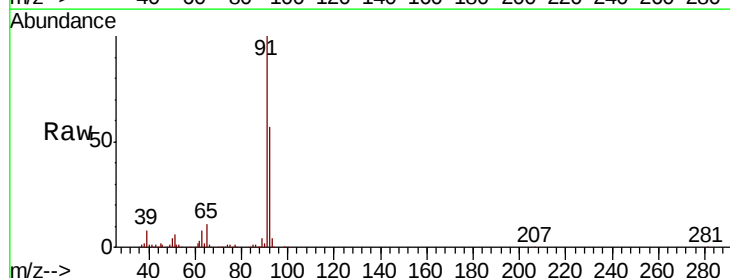
Acq: 17 Dec 2018 23:38

Tgt Ion: 92 Resp: 583325

Ion Ratio Lower Upper

92 100

91 176.4 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN052827.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052827.D (-2591) (-)

10.16

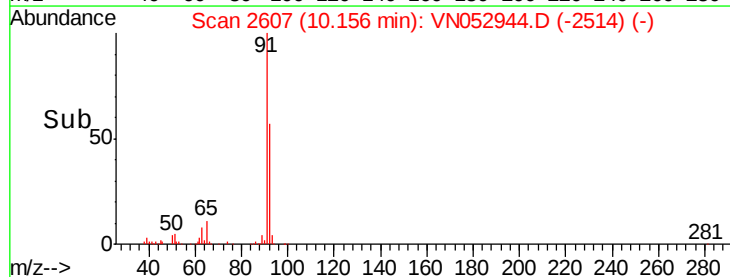
600000

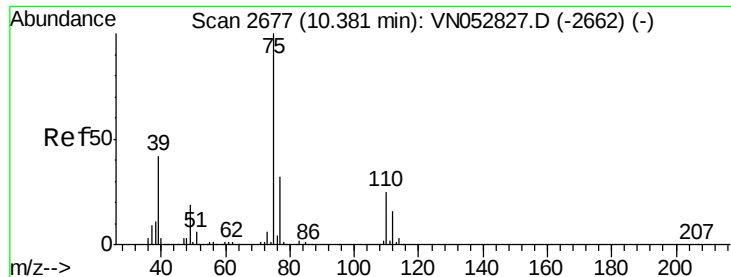
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.407 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

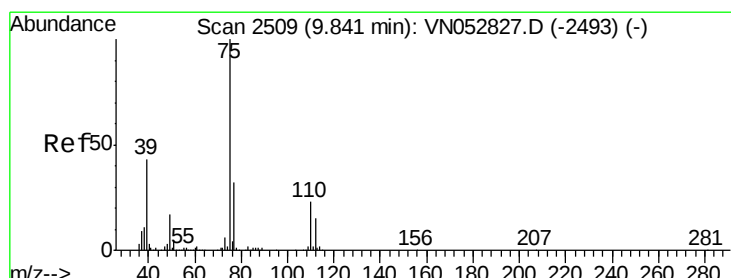
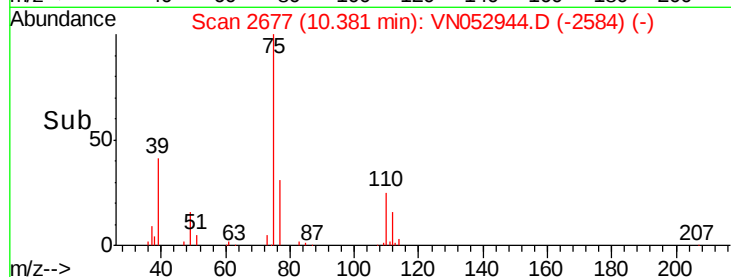
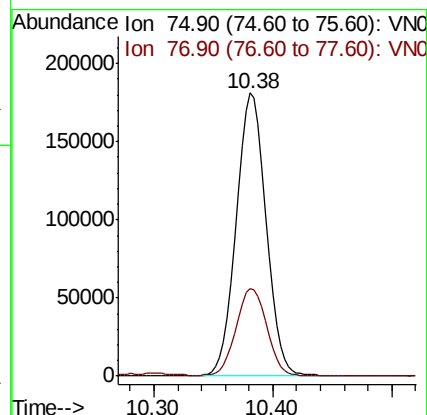
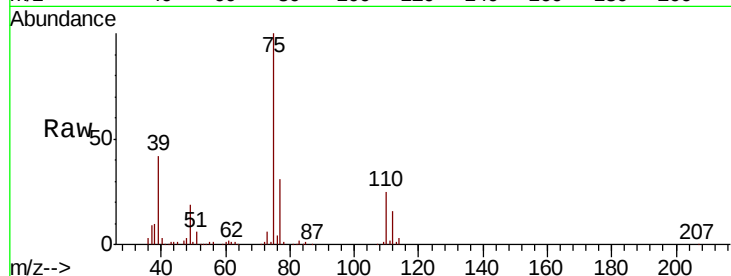
ClientSampleId :

Tot Ion: 75 Resp: 315582

Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 19.471 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

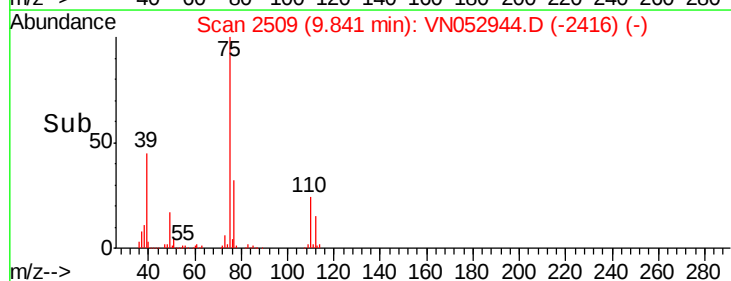
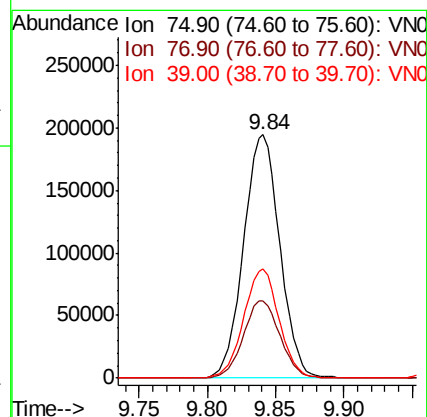
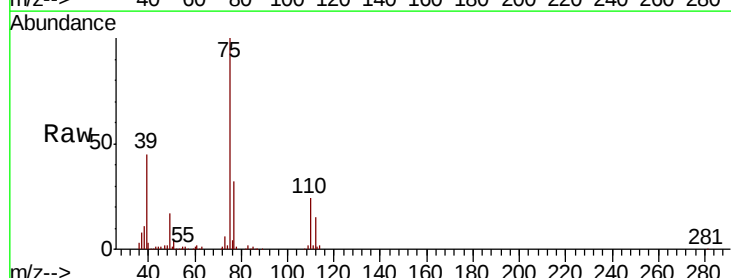
Tgt Ion: 75 Resp: 358810

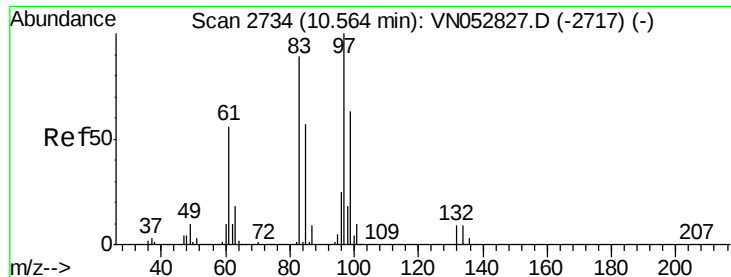
Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8

39 44.6 34.8 52.2

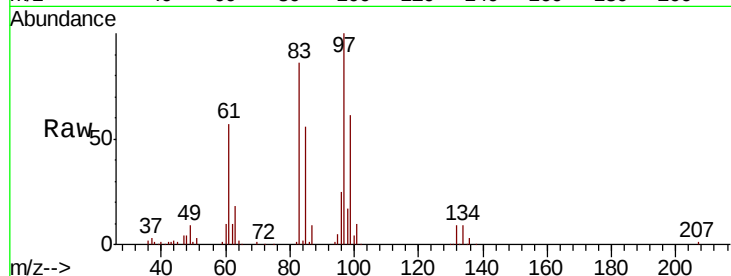




#55
 1,1,2-Trichloroethane
 Concen: 20.067 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	97	Resp	211668
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.9	106.3
85	56.5	45.4	68.2
99	61.2	50.4	75.6



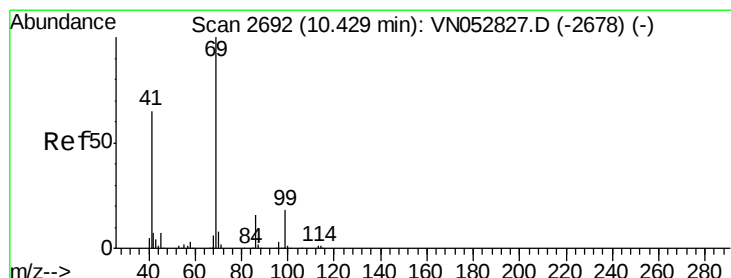
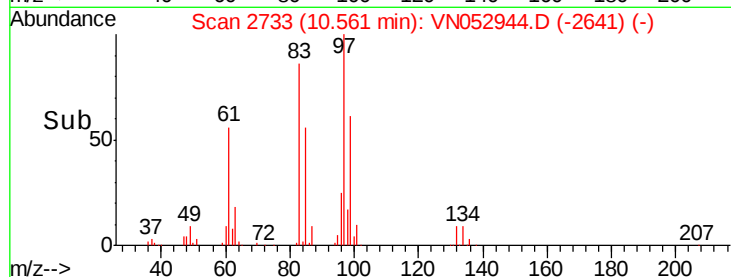
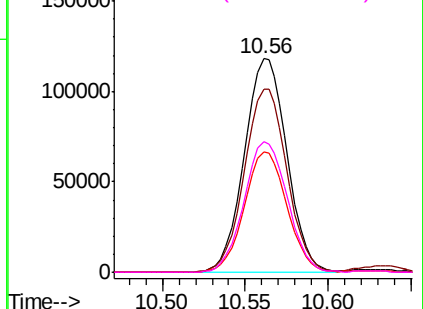
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

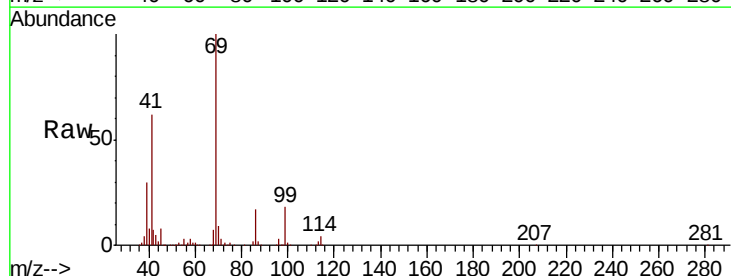
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 21.236 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion	69	Resp	287470
Ion	Ratio	Lower	Upper
69	100		
41	62.8	51.7	77.5
39	29.6	24.6	37.0

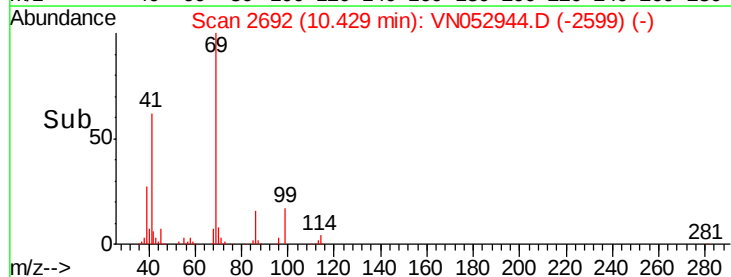
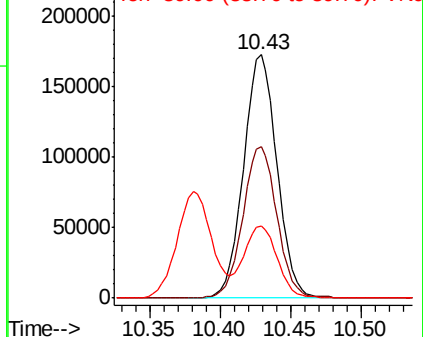


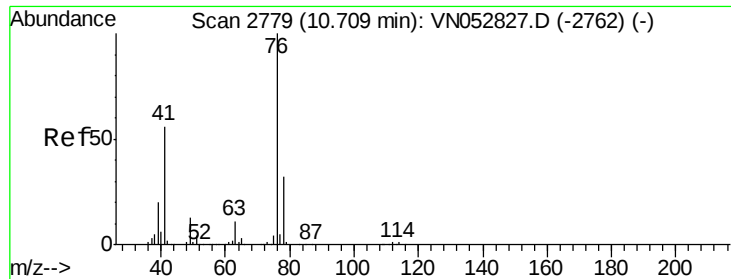
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

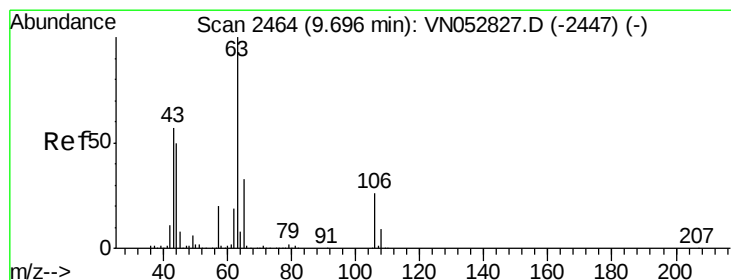
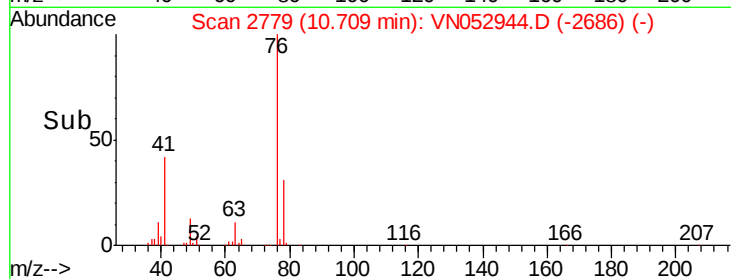
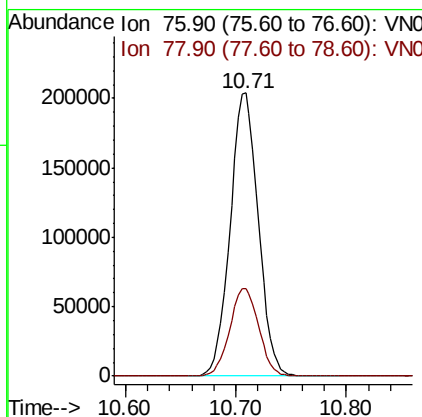
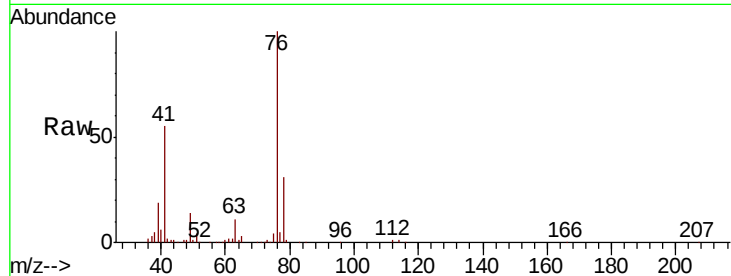




#57
 1,3-Dichloropropane
 Concen: 19.920 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

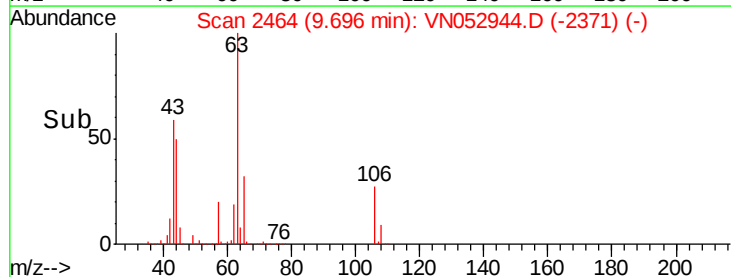
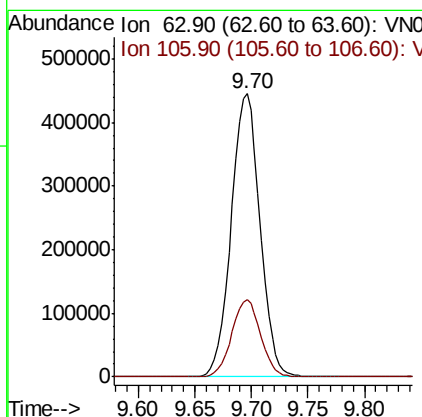
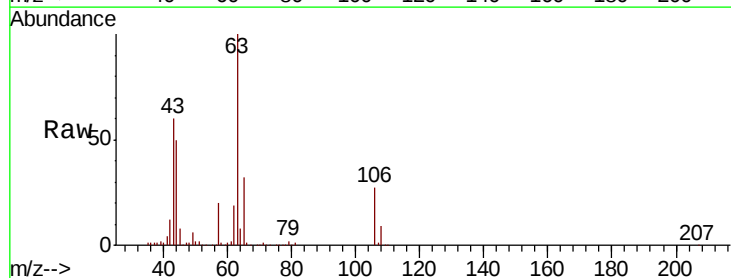
Instrument :
 MSVOA_N
 ClientSampled :

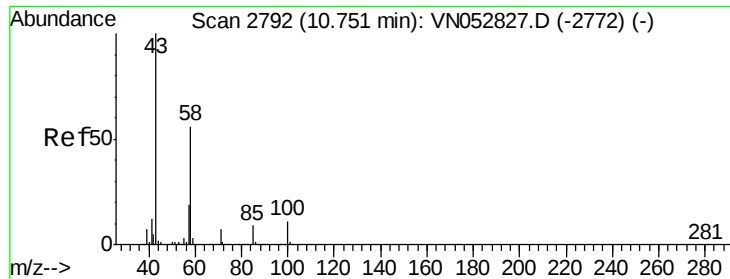
Tot Ion: 76 Resp: 360313
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.282 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion: 63 Resp: 787661
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.0 31.6

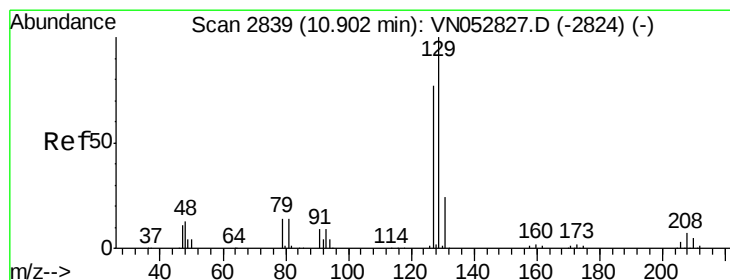
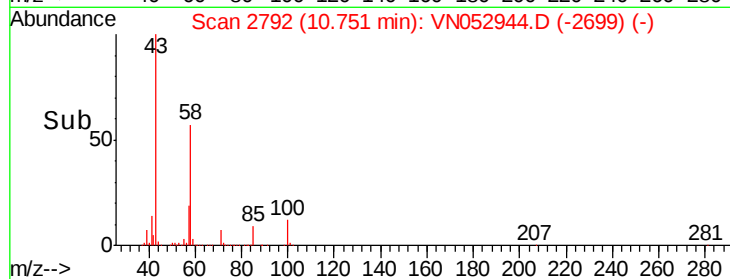
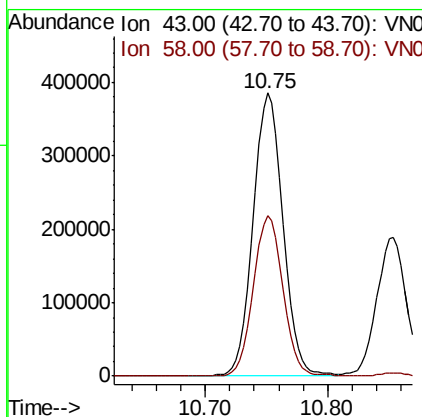
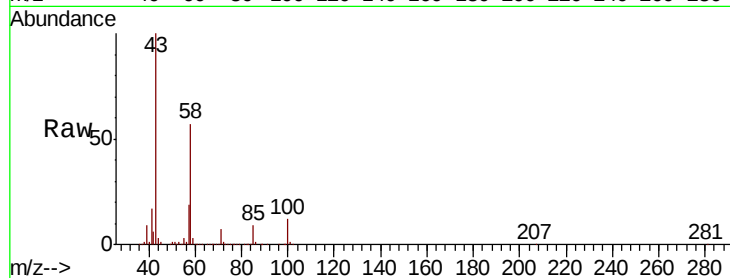




#59
2-Hexanone
Concen: 102.172 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

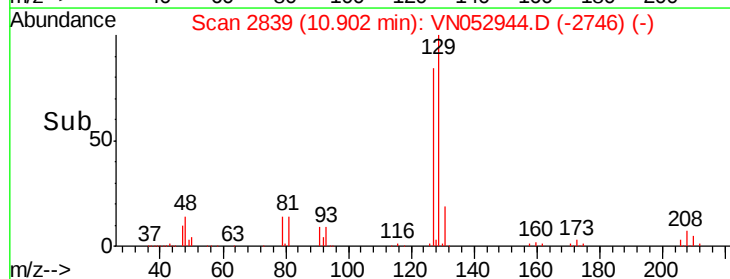
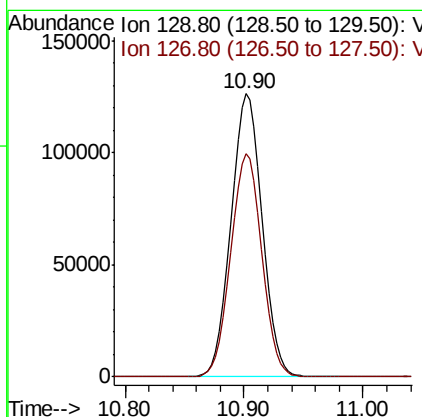
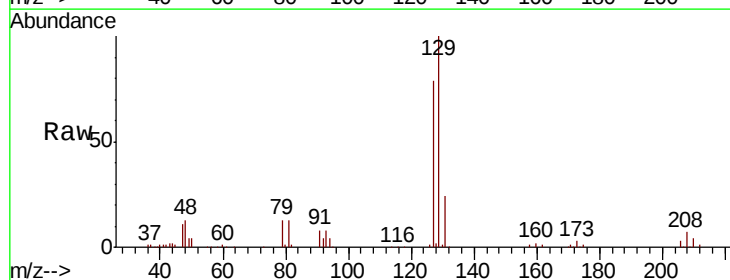
Instrument :
MSVOA_N
ClientSampled :

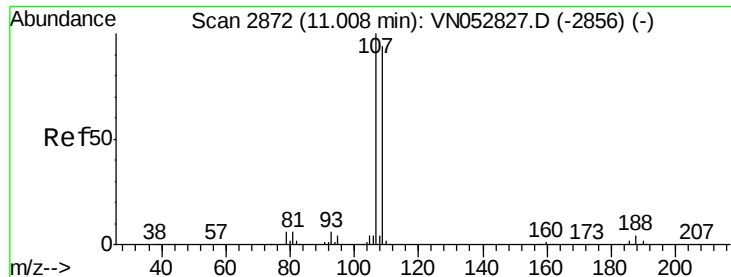
Tot Ion: 43 Resp: 642816
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.3



#60
Dibromochloromethane
Concen: 20.104 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion: 129 Resp: 229181
Ion Ratio Lower Upper
129 100
127 78.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.449 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

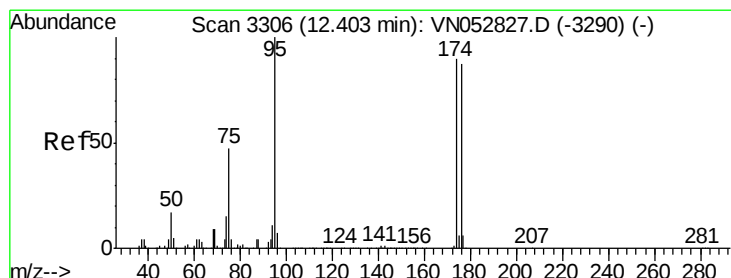
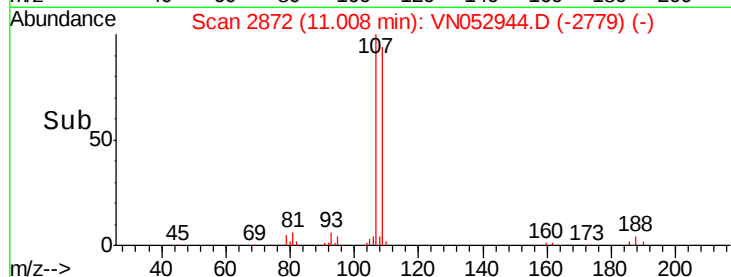
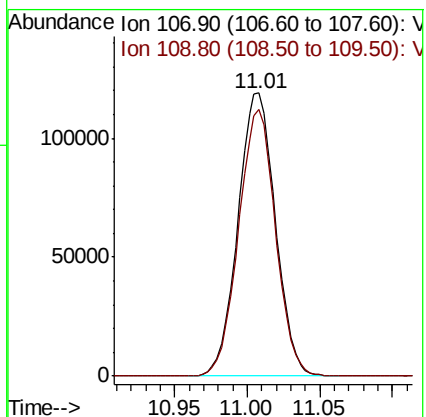
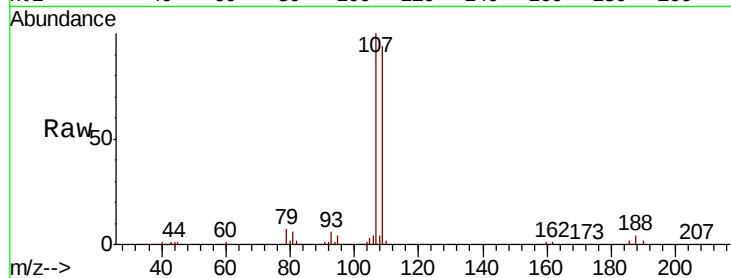
ClientSampleId :

Tot Ion:107 Resp: 213210

Ion Ratio Lower Upper

107 100

109 93.3 75.4 113.0



#62

4-Bromofluorobenzene

Concen: 20.449 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

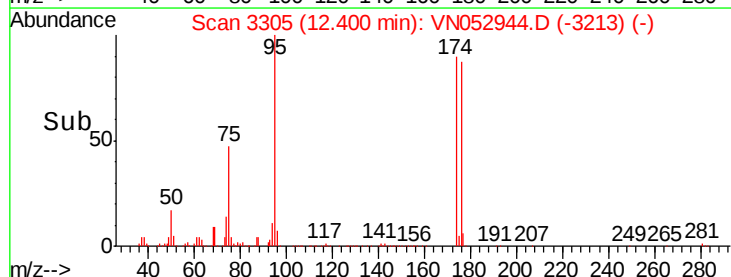
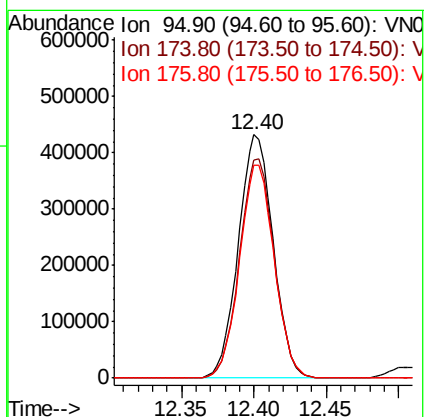
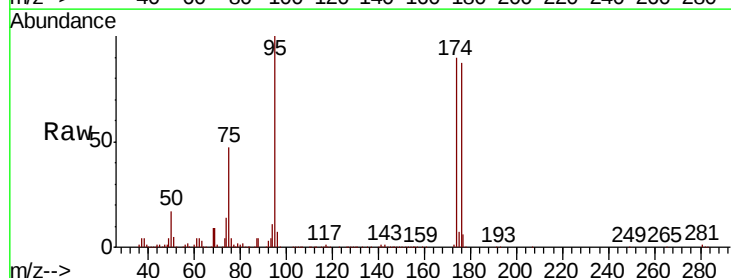
Tgt Ion: 95 Resp: 721335

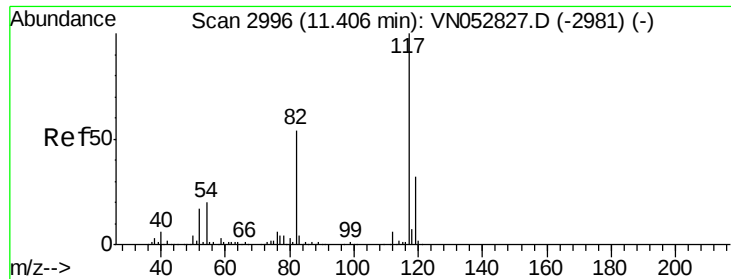
Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.8

176 87.2 0.0 173.8

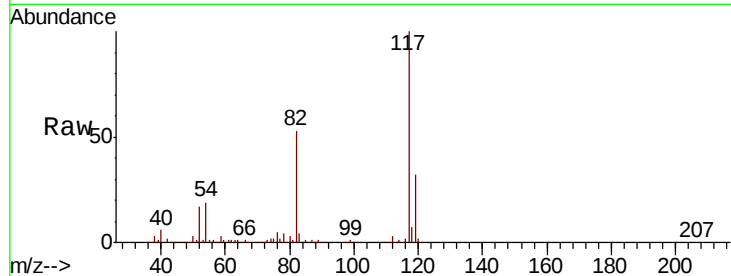




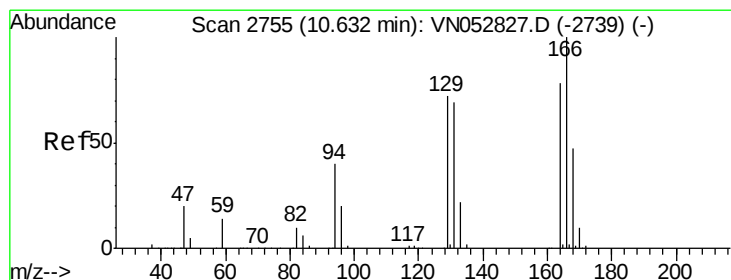
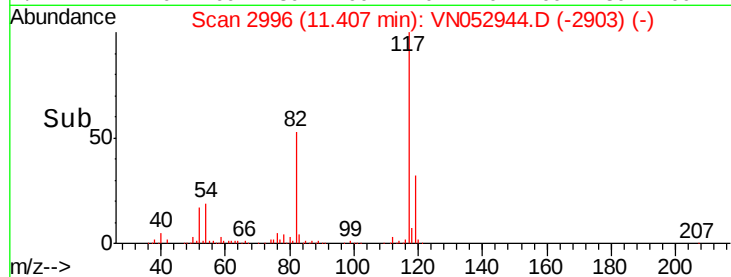
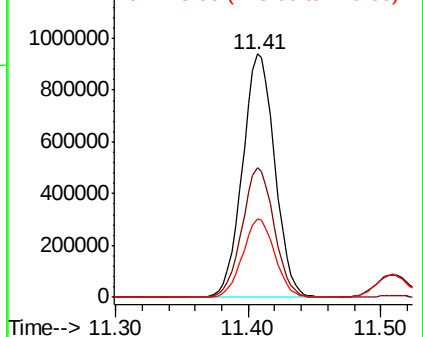
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1583329
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 32.0 25.5 38.3

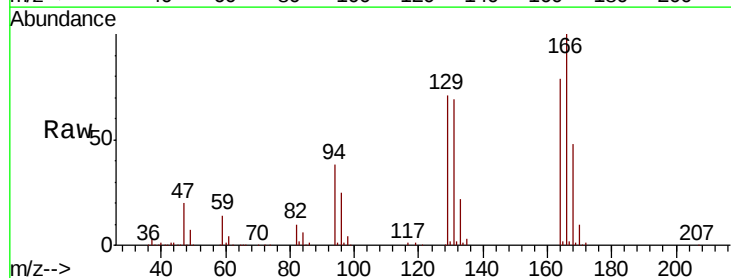


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

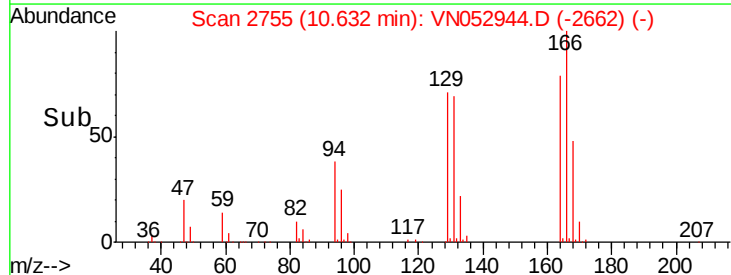
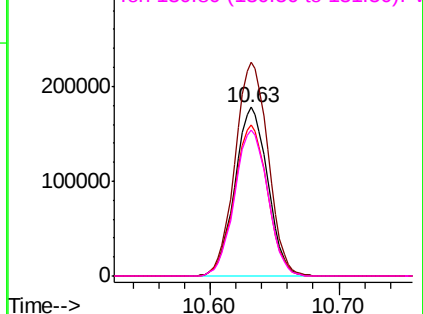


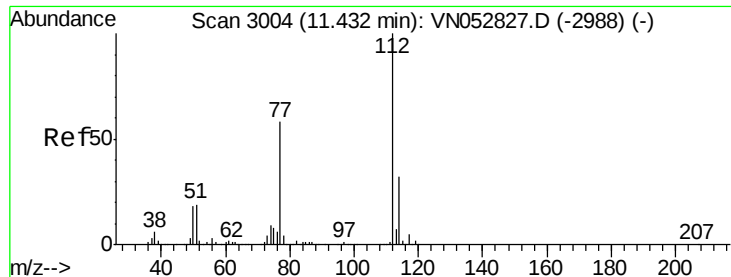
#64
Tetrachloroethene
Concen: 23.198 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion:164 Resp: 315690
Ion Ratio Lower Upper
164 100
166 126.8 102.9 154.3
129 89.9 73.7 110.5
131 87.0 70.7 106.1



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





#65

Chlorobenzene

Concen: 19.752 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

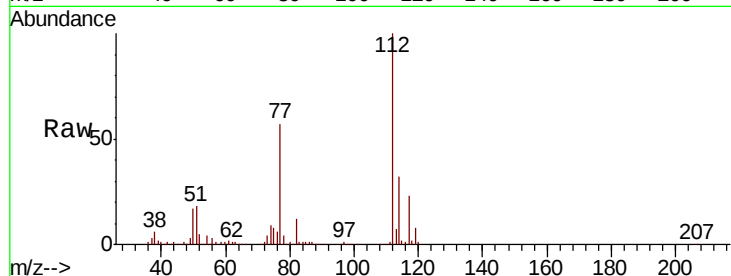
ClientSampleId :

Tot Ion:112 Resp: 648812

Ion Ratio Lower Upper

112 100

114 32.0 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

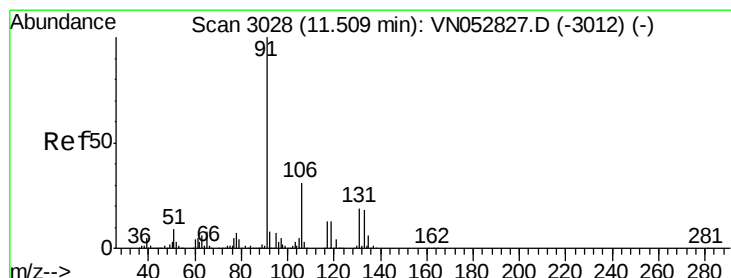
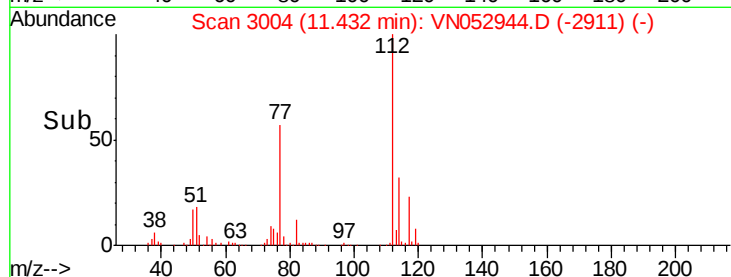
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.699 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

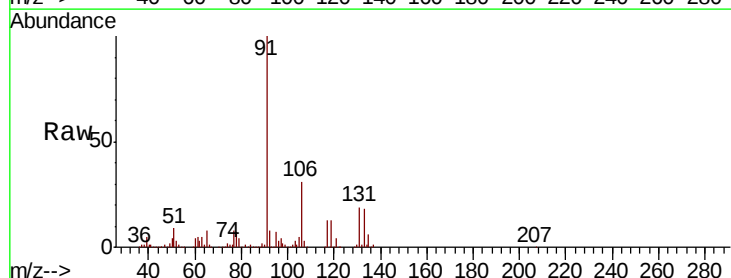
Tgt Ion:131 Resp: 225045

Ion Ratio Lower Upper

131 100

133 96.6 47.6 142.9

119 67.2 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

400000

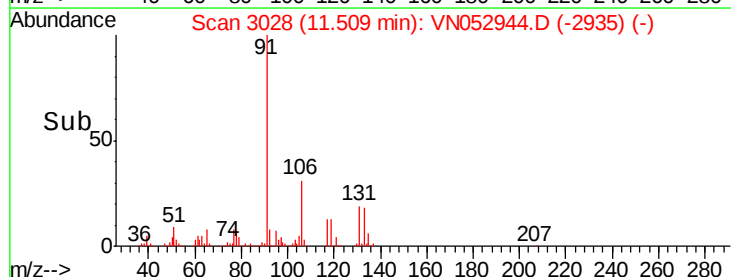
300000

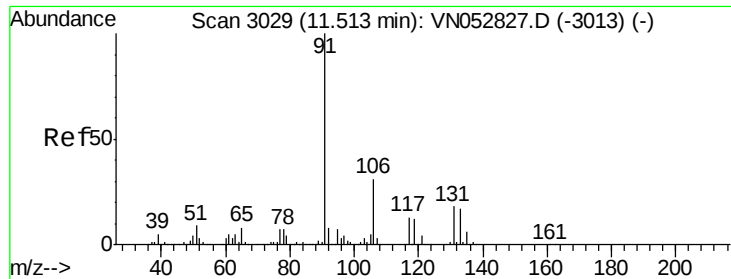
200000

100000

0

Time-->

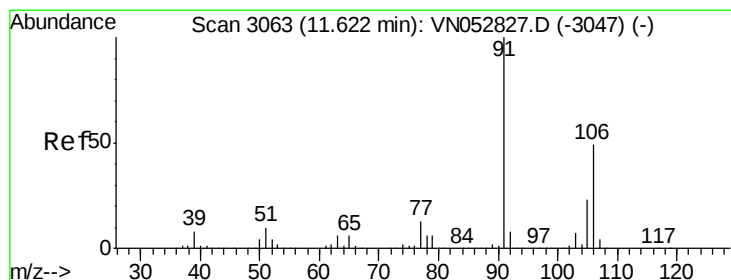
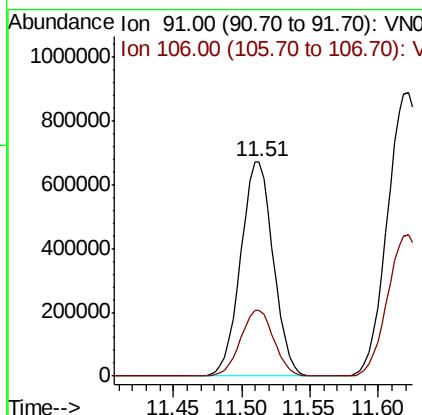
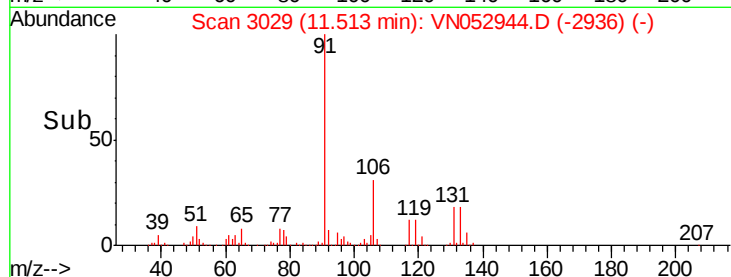
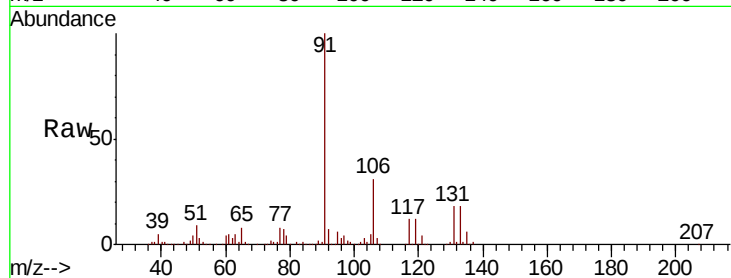




#67
Ethyl Benzene
Concen: 19.732 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

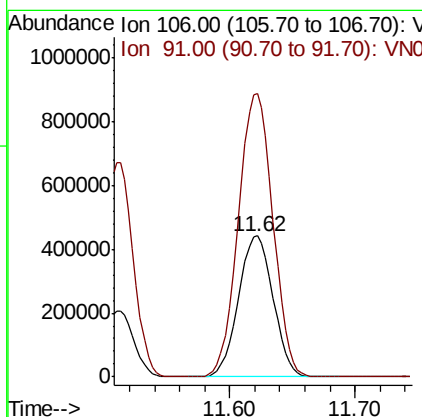
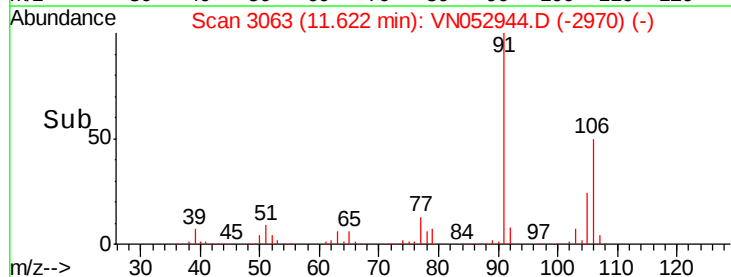
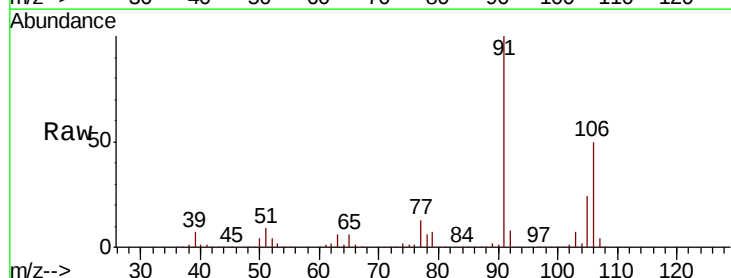
Instrument :
MSVOA_N
ClientSampled :

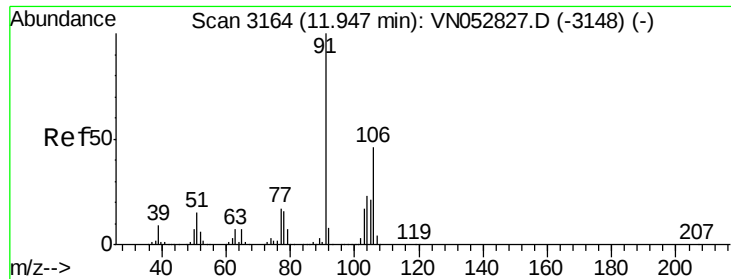
Tot Ion: 91 Resp: 1113122
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3



#68
m/p-Xylenes
Concen: 39.958 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion: 106 Resp: 846376
Ion Ratio Lower Upper
106 100
91 200.7 162.2 243.4

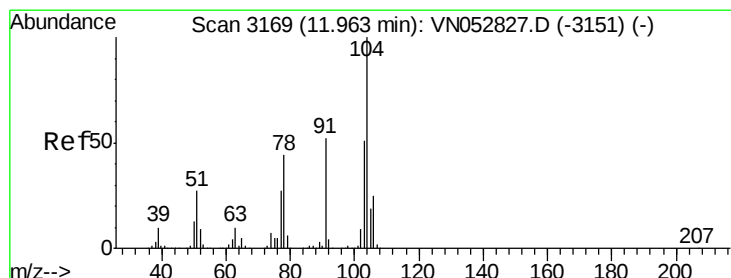
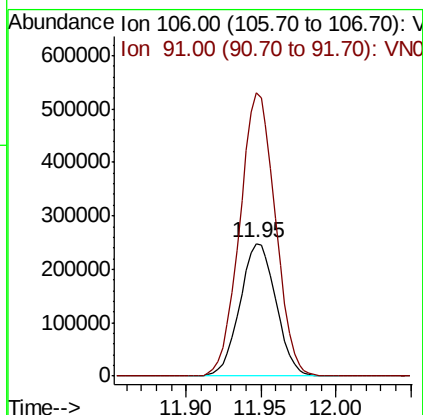
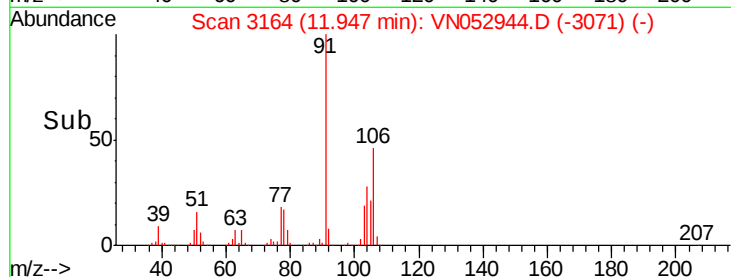
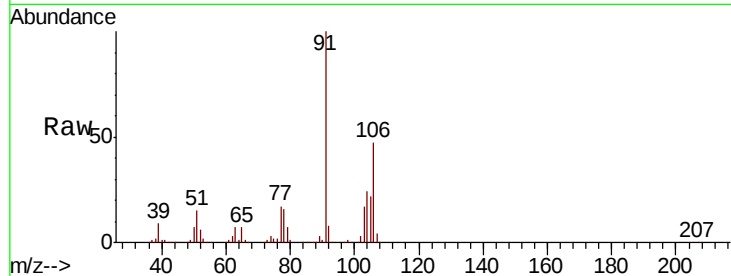




#69
o-Xylene
Concen: 20.077 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

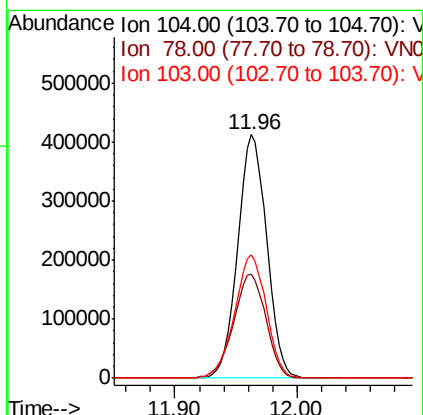
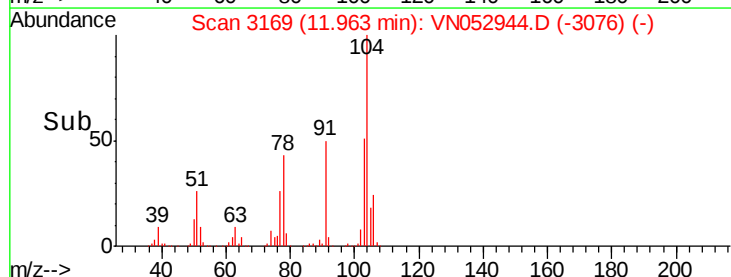
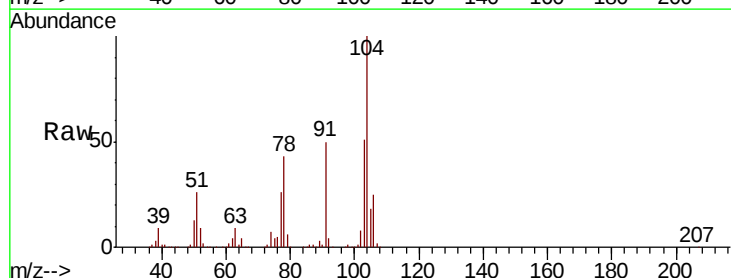
Instrument :
MSVOA_N
ClientSampled :

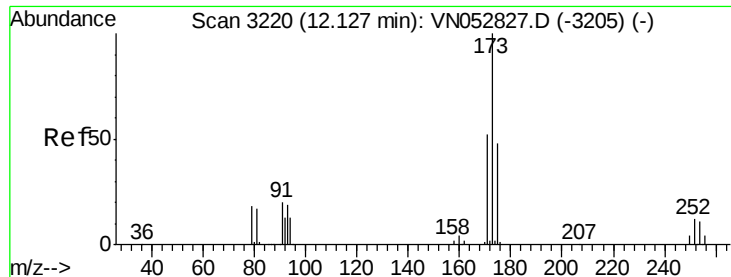
Tot Ion:106 Resp: 415261
Ion Ratio Lower Upper
106 100
91 211.2 106.6 319.8



#70
Styrene
Concen: 20.357 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion:104 Resp: 676855
Ion Ratio Lower Upper
104 100
78 47.7 38.9 58.3
103 55.2 44.3 66.5

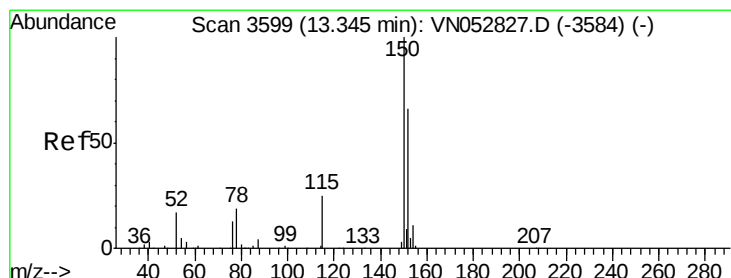
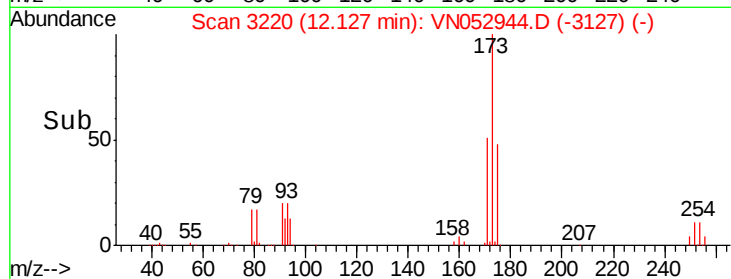
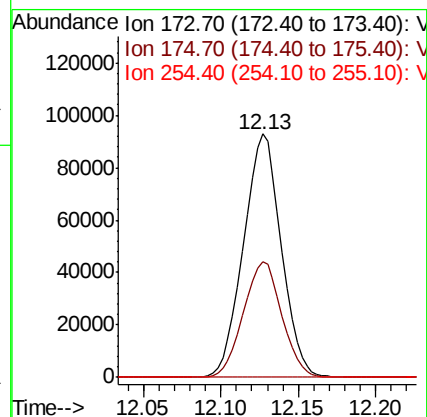
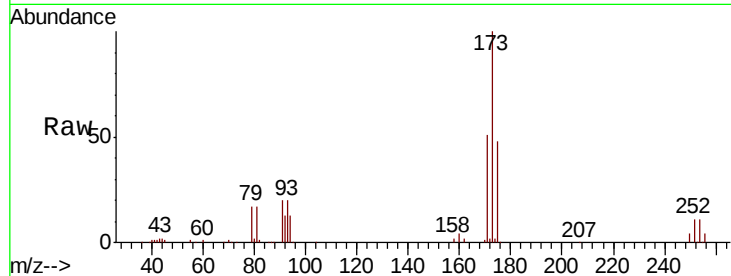




#71
Bromoform
Concen: 20.316 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

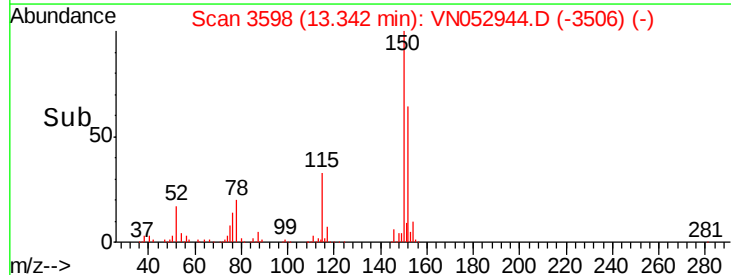
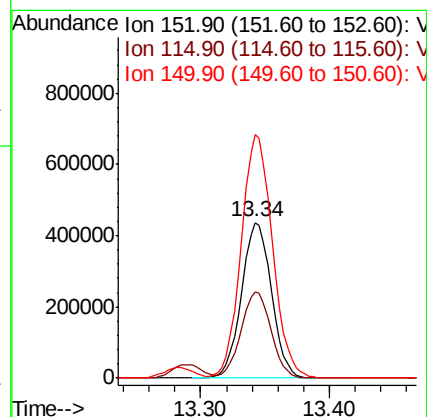
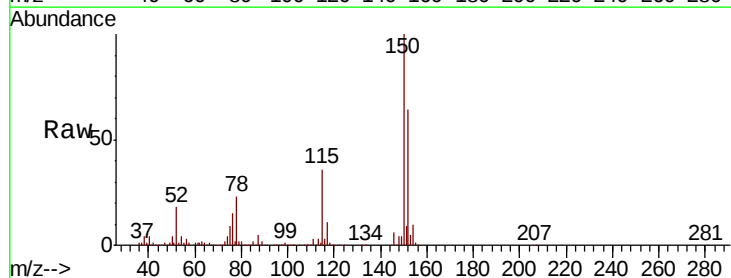
Instrument :
MSVOA_N
ClientSampleId :

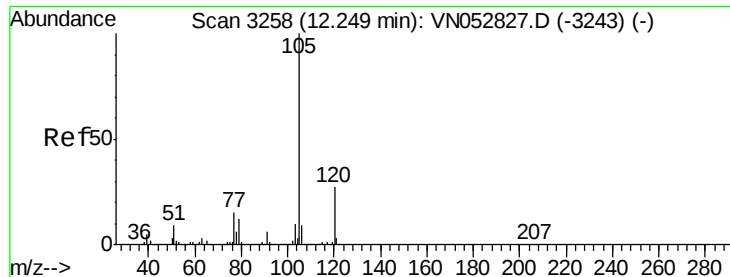
Tot Ion:173 Resp: 157677
Ion Ratio Lower Upper
173 100
175 48.4 24.3 72.9
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion:152 Resp: 703211
Ion Ratio Lower Upper
152 100
115 55.9 28.3 85.0
150 164.0 0.0 347.8





#73

Isopropylbenzene

Concen: 20.829 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

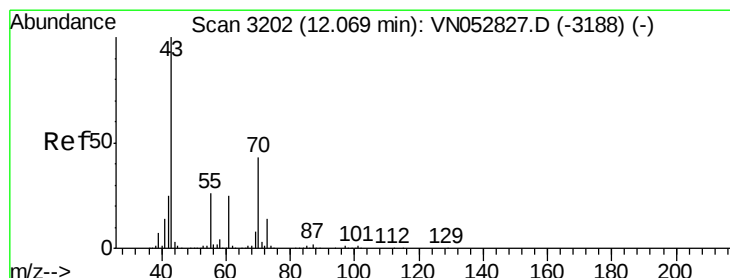
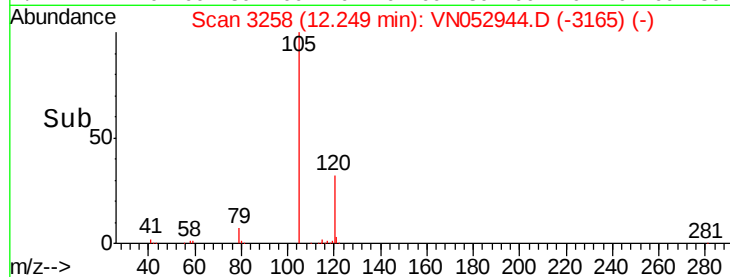
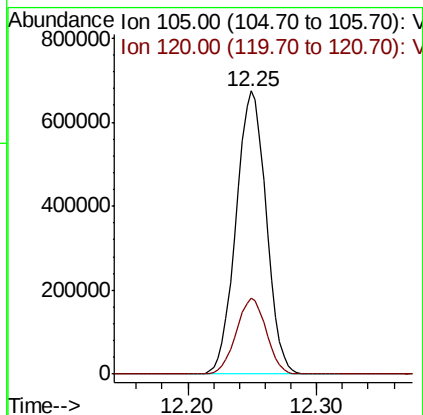
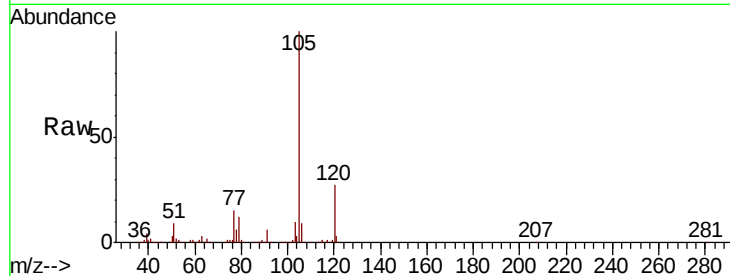
ClientSampleId :

Tot Ion:105 Resp: 1093612

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



#74

N-ethyl acetate

Concen: 22.713 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Tgt Ion: 43 Resp: 327393

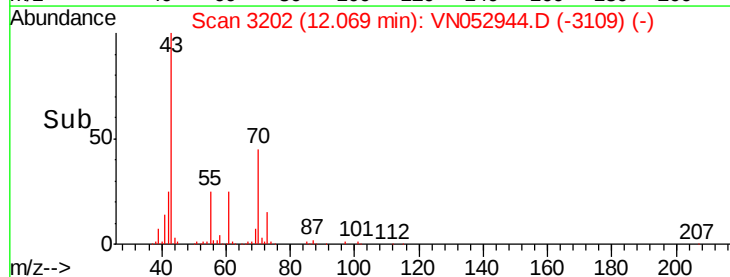
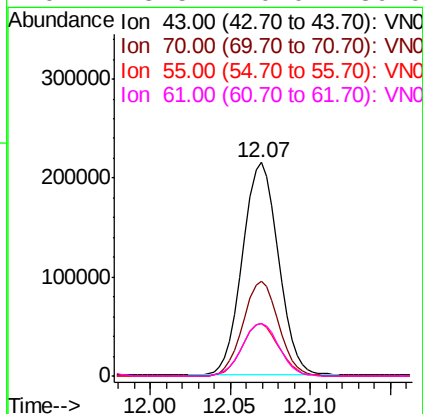
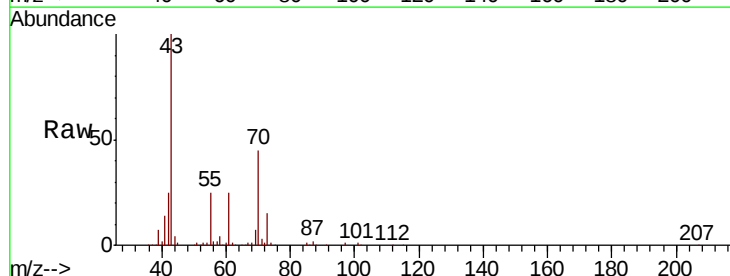
Ion Ratio Lower Upper

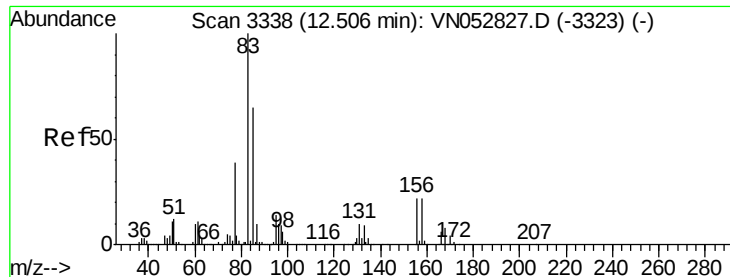
43 100

70 44.4 34.2 51.4

55 25.6 20.3 30.5

61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.353 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampleId :

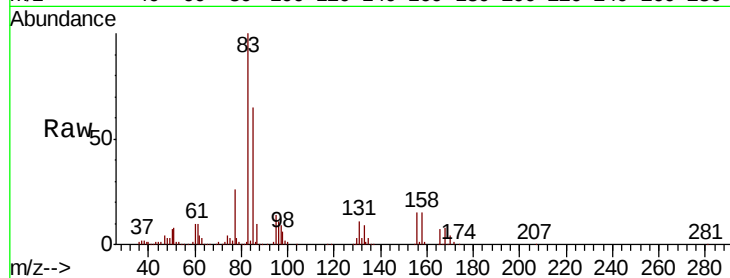
Tot Ion: 83 Resp: 227728

Ion Ratio Lower Upper

83 100

131 10.8 5.2 15.6

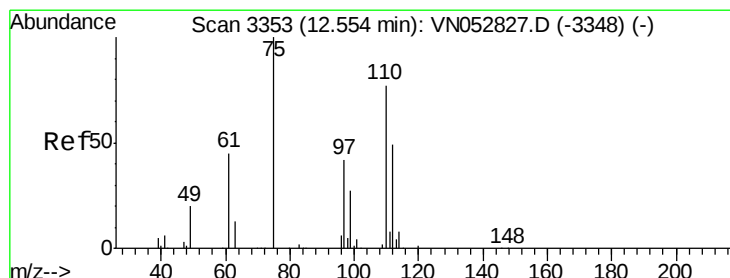
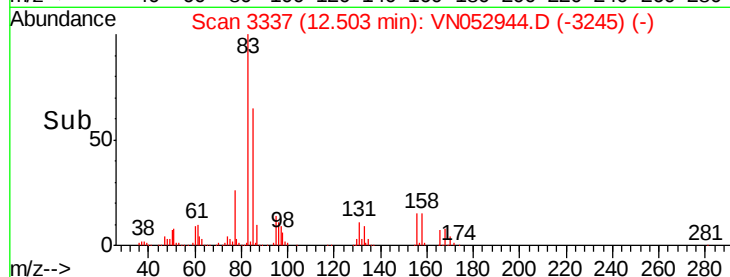
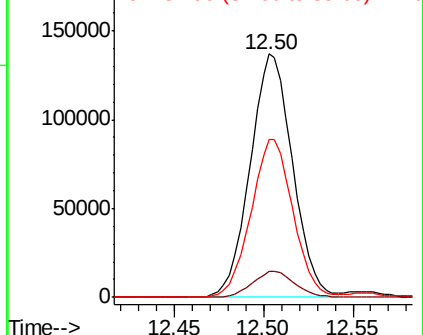
85 64.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN052827.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN052827.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN052827.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 31.020 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052944.D

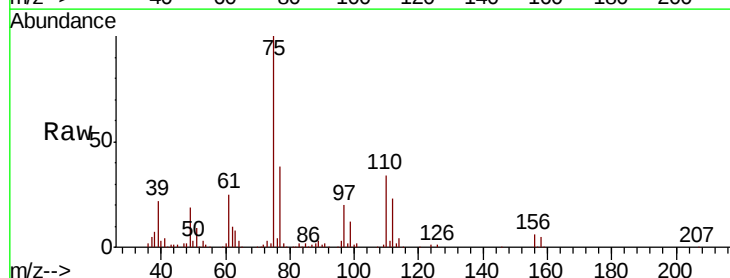
Acq: 17 Dec 2018 23:38

Tgt Ion: 75 Resp: 321831

Ion Ratio Lower Upper

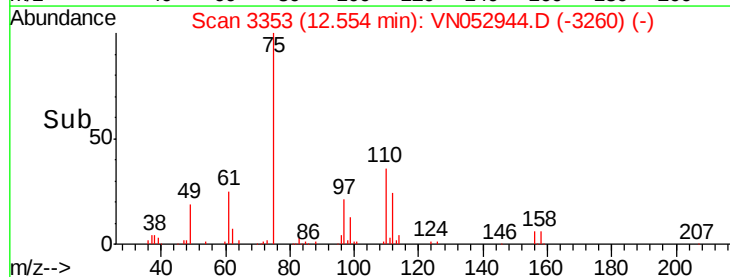
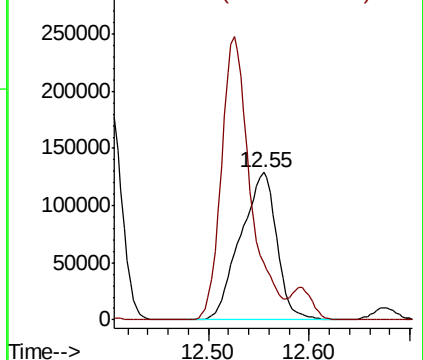
75 100

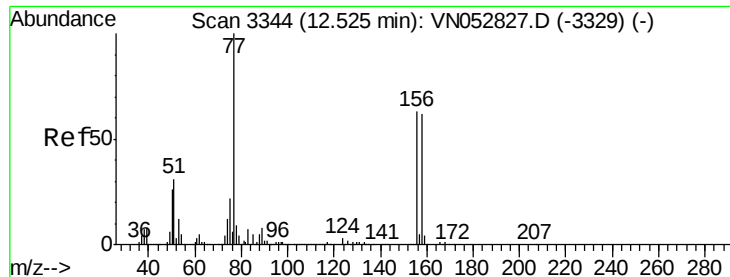
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052827.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052827.D (-3348) (-)





#77

Bromobenzene

Concen: 21.011 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampleId :

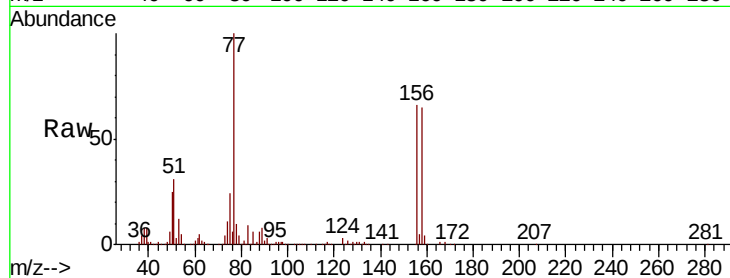
Tot Ion:156 Resp: 280581

Ion Ratio Lower Upper

156 100

77 178.7 91.3 273.8

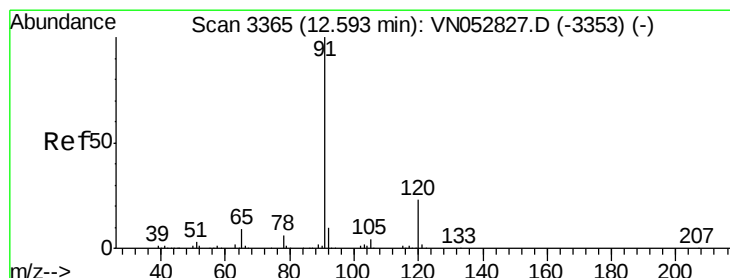
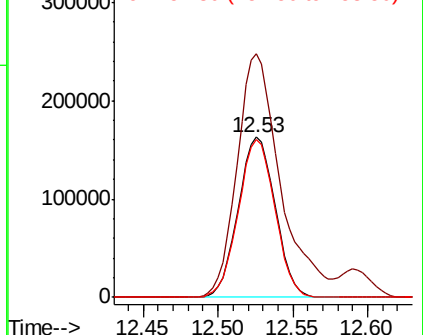
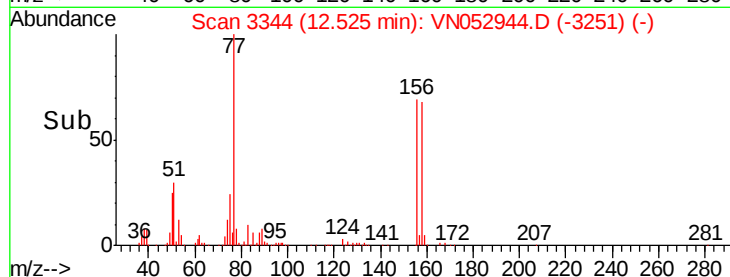
158 97.6 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.468 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052944.D

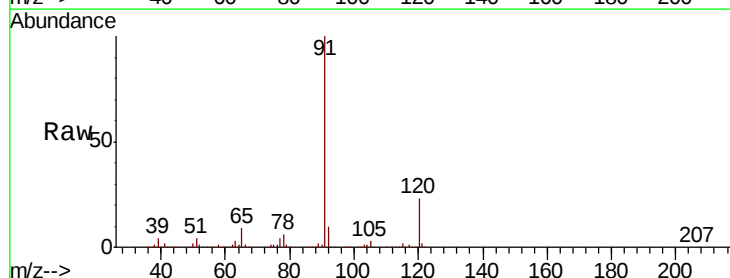
Acq: 17 Dec 2018 23:38

Tgt Ion: 91 Resp: 1225658

Ion Ratio Lower Upper

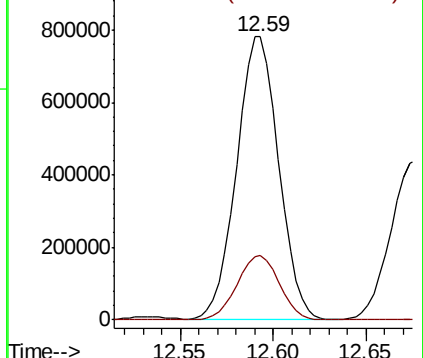
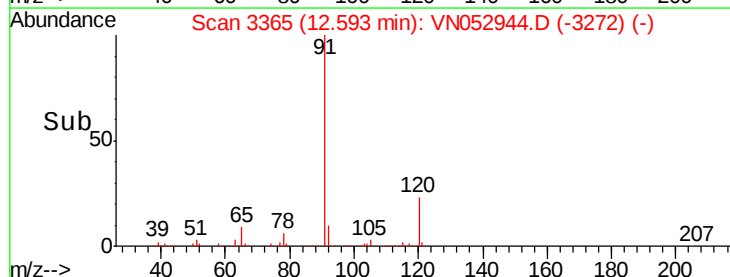
91 100

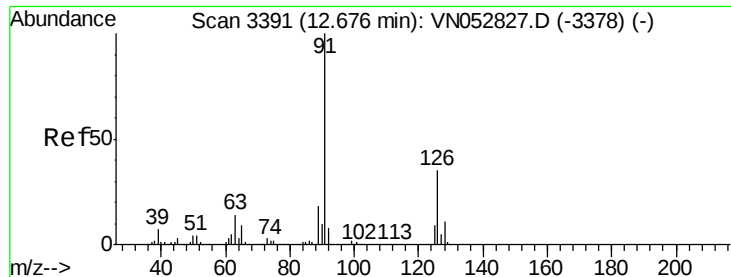
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.374 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

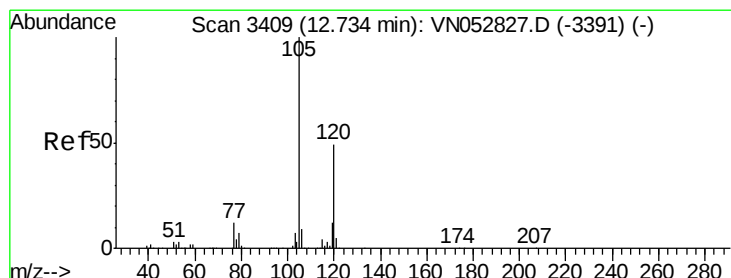
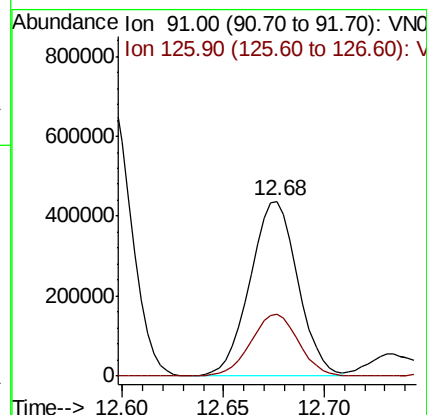
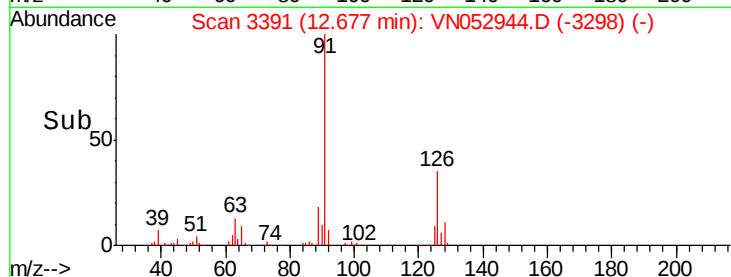
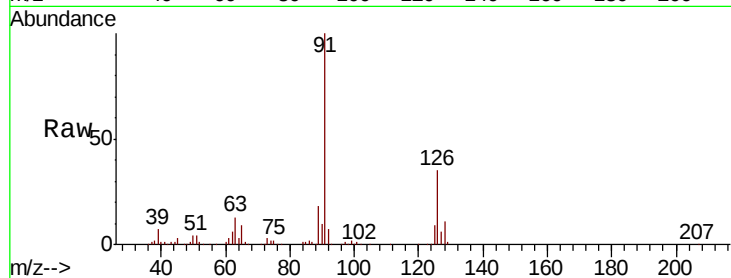
ClientSampled :

Tot Ion: 91 Resp: 721264

Ion Ratio Lower Upper

91 100

126 35.5 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 20.463 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052944.D

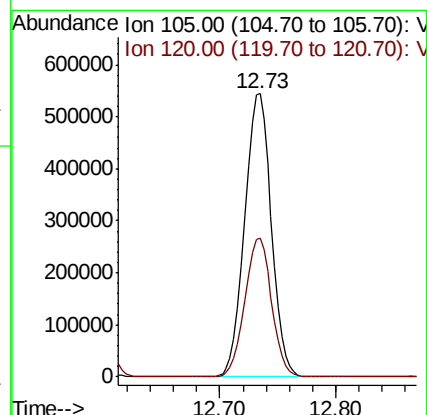
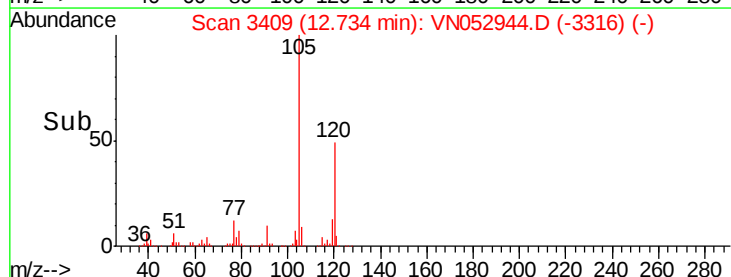
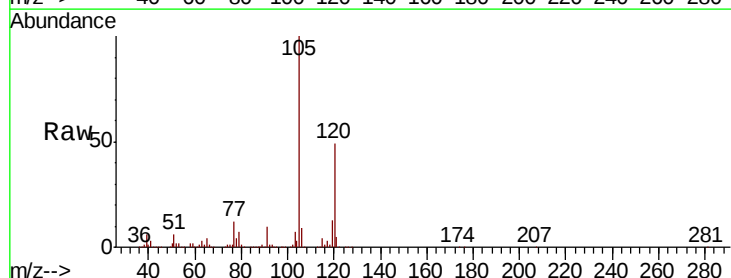
Acq: 17 Dec 2018 23:38

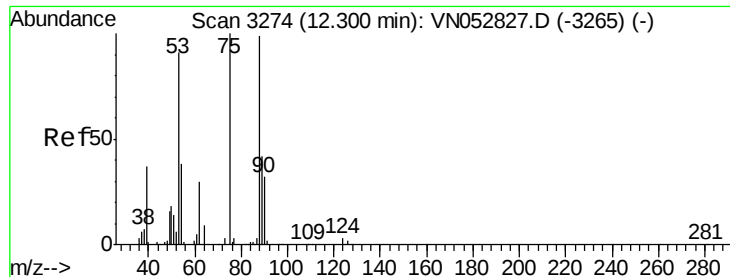
Tgt Ion: 105 Resp: 867306

Ion Ratio Lower Upper

105 100

120 49.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 21.467 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampled :

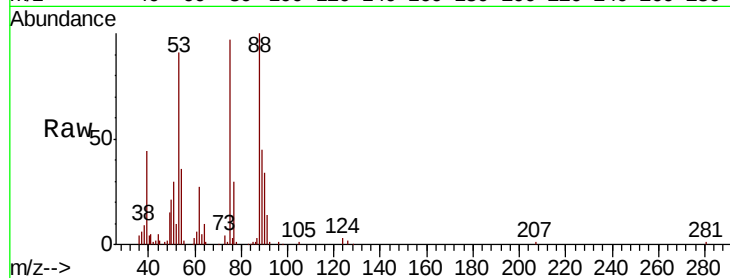
Tot Ion: 75 Resp: 69330

Ion Ratio Lower Upper

75 100

53 91.6 74.7 112.1

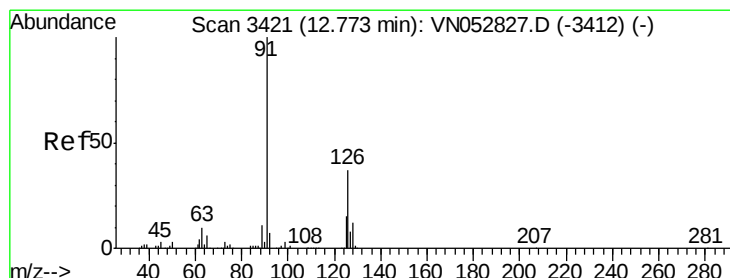
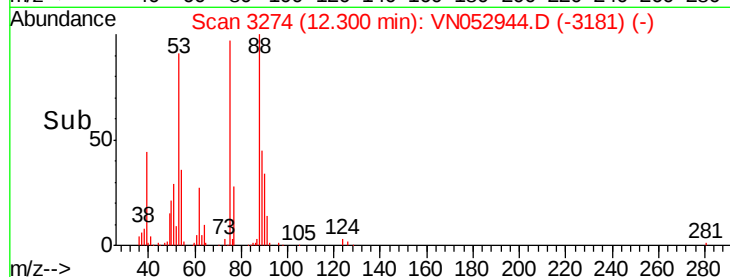
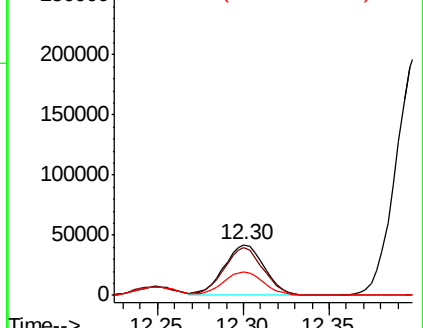
89 46.1 36.1 54.1



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: 19.986 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052944.D

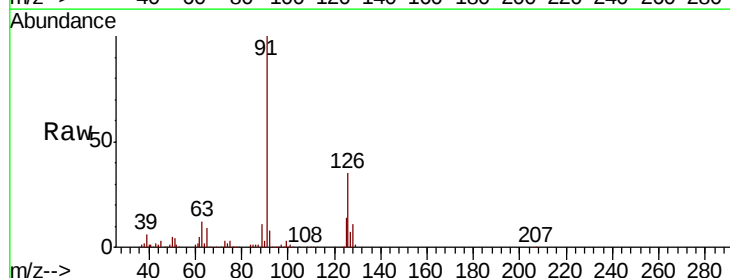
Acq: 17 Dec 2018 23:38

Tgt Ion: 91 Resp: 723396

Ion Ratio Lower Upper

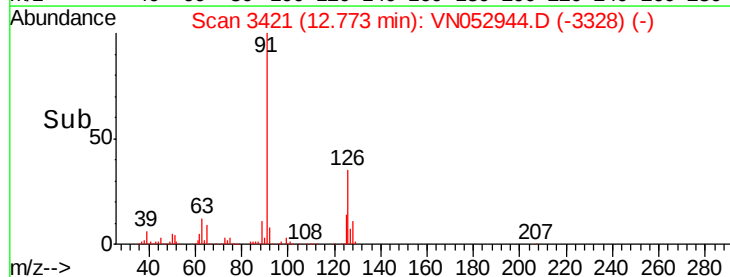
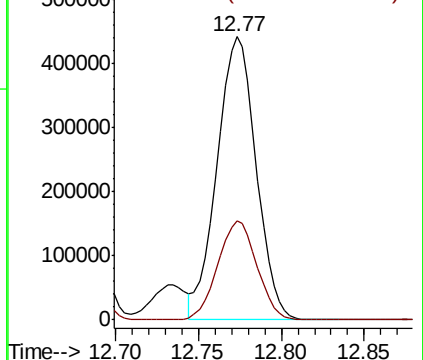
91 100

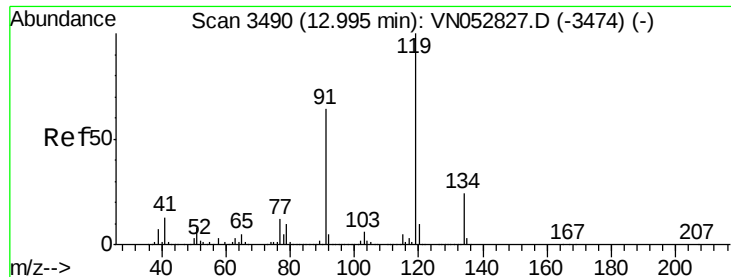
126 34.9 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

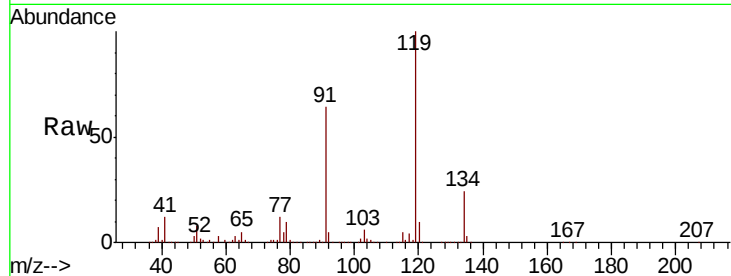




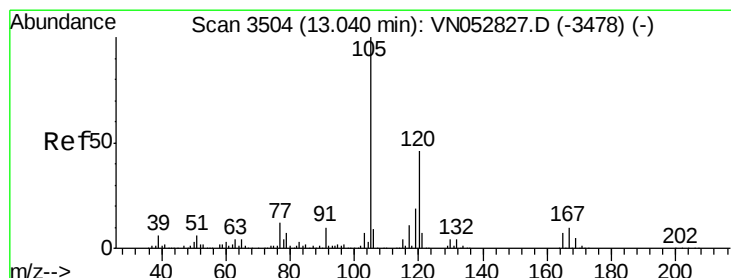
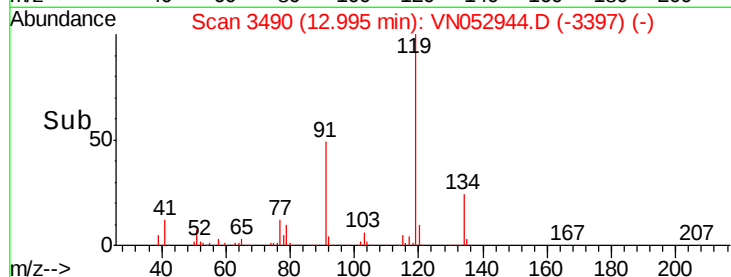
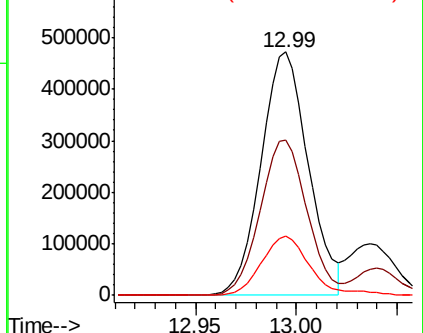
#83
tert-Butylbenzene
Concen: 20.612 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 770661
Ion Ratio Lower Upper
119 100
91 63.5 31.9 95.5
134 25.1 12.8 38.4

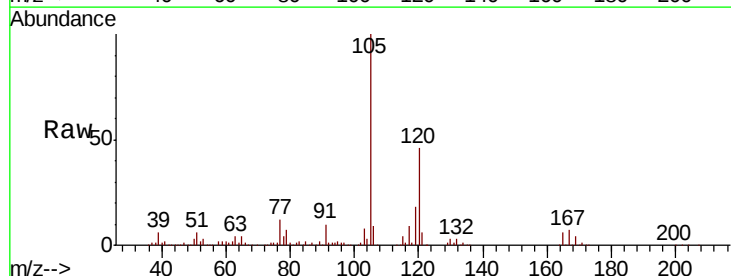


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

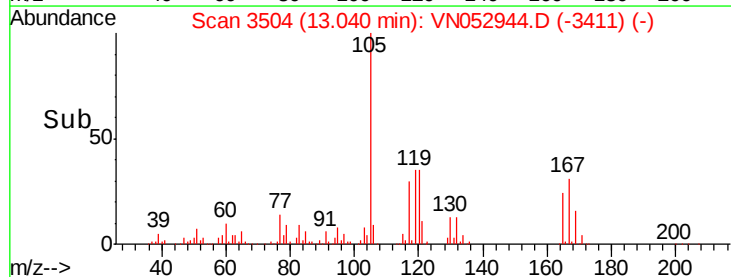
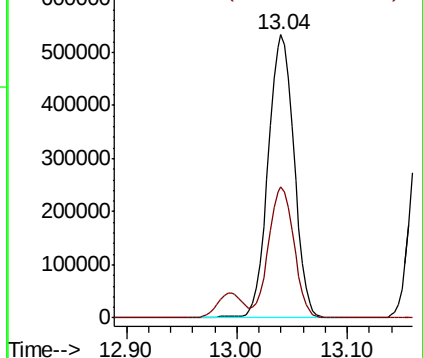


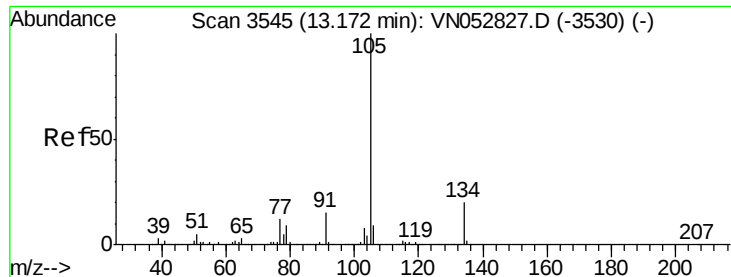
#84
1,2,4-Trimethylbenzene
Concen: 20.194 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion:105 Resp: 866479
Ion Ratio Lower Upper
105 100
120 45.5 22.9 68.8



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

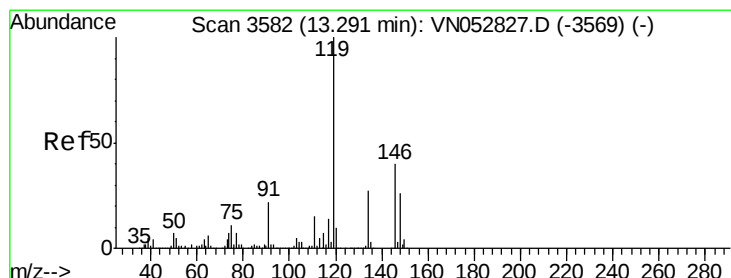
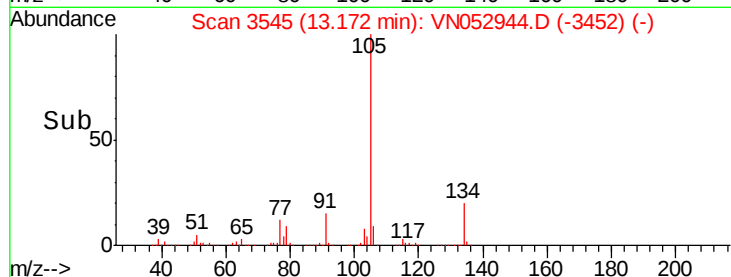
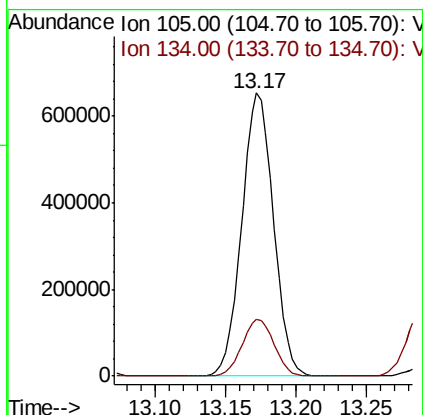
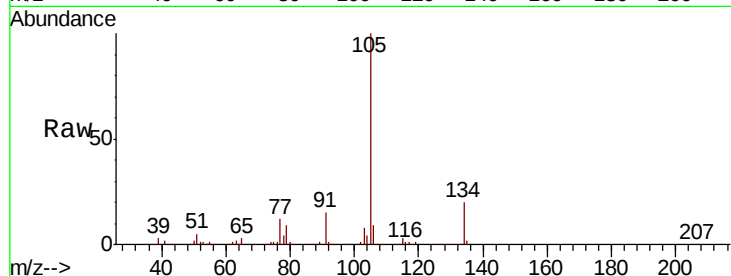




#85
 sec-Butylbenzene
 Concen: 20.326 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

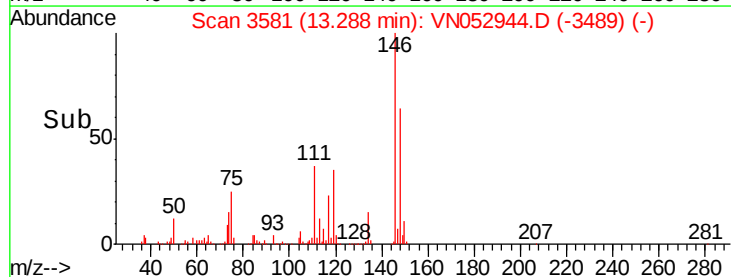
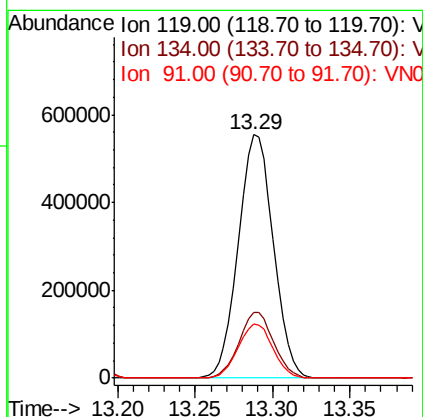
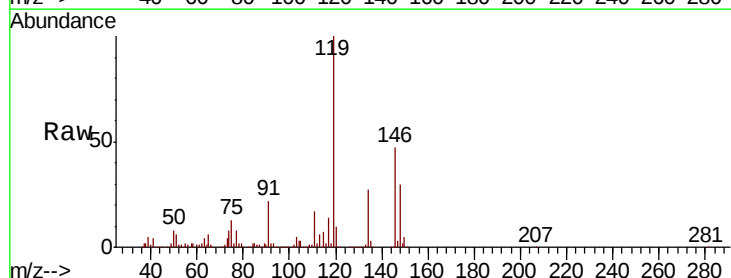
Instrument :
 MSVOA_N
 ClientSampleId :

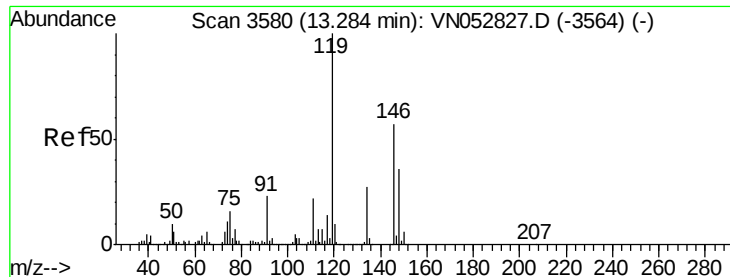
Tot Ion:105 Resp: 1029173
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 19.914 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion:119 Resp: 873601
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 22.0 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 19.648 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampled :

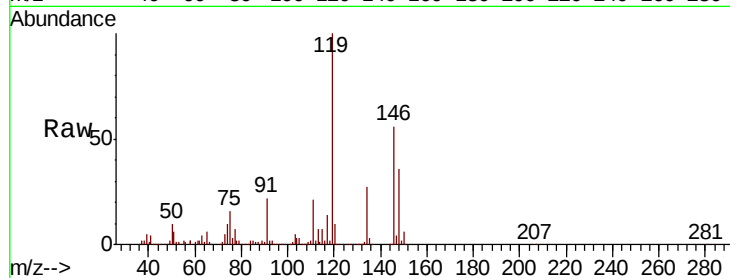
Tot Ion:146 Resp: 466264

Ion Ratio Lower Upper

146 100

111 37.6 19.1 57.1

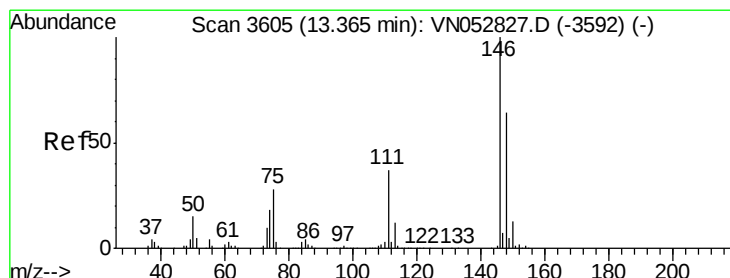
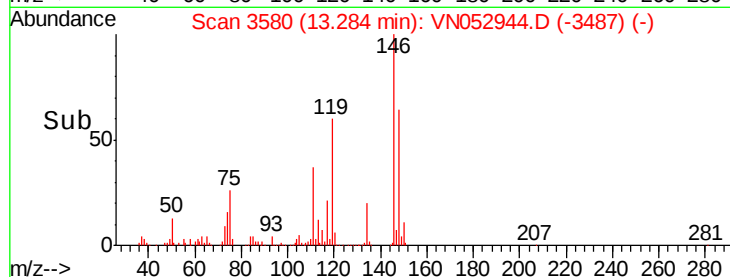
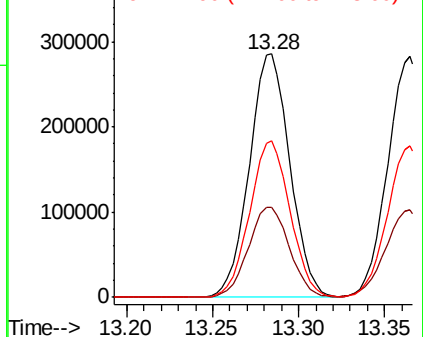
148 64.1 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.624 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

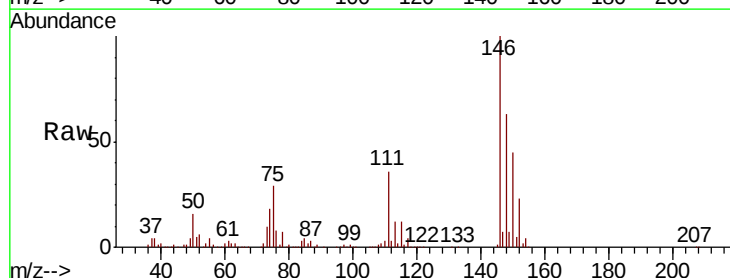
Tgt Ion:146 Resp: 461188

Ion Ratio Lower Upper

146 100

111 38.0 18.6 55.8

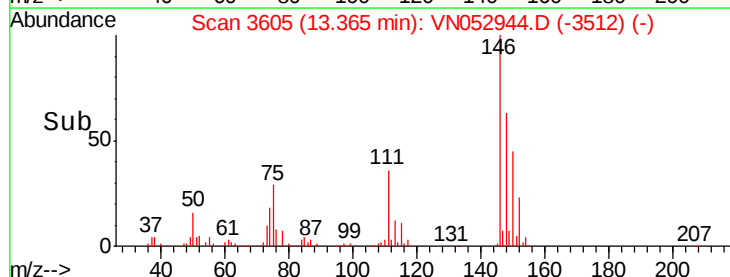
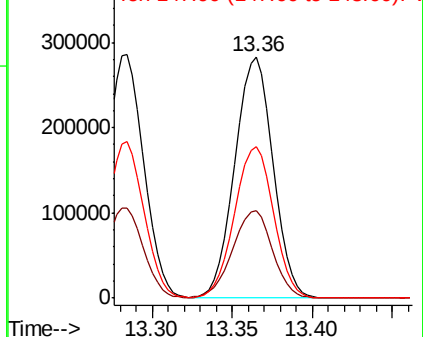
148 64.0 32.1 96.5

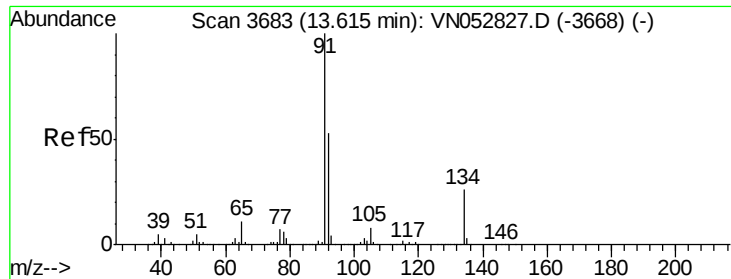


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.193 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampled :

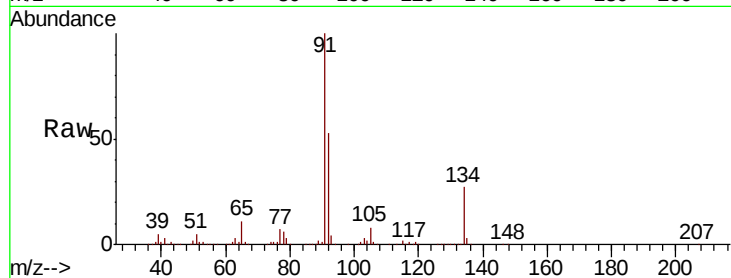
Tot Ion: 91 Resp: 708779

Ion Ratio Lower Upper

91 100

92 52.2 26.3 78.9

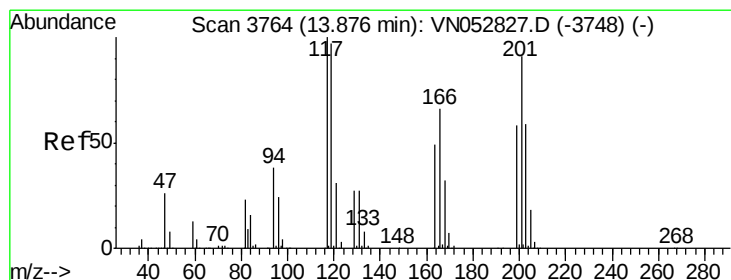
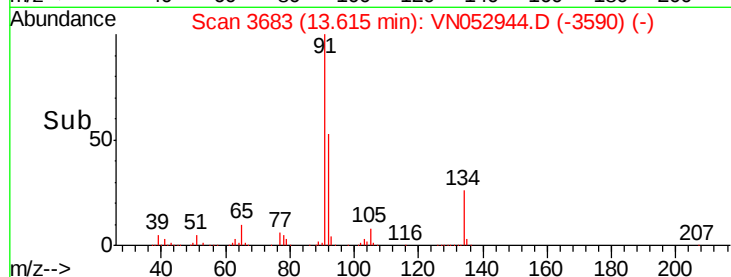
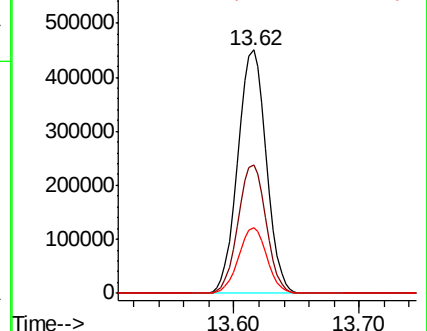
134 26.7 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052827.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052827.D (-3668) (-)



#90

Hexachloroethane

Concen: 17.464 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052944.D

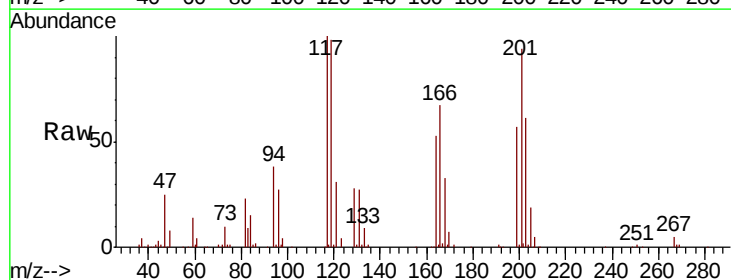
Acq: 17 Dec 2018 23:38

Tgt Ion: 117 Resp: 128285

Ion Ratio Lower Upper

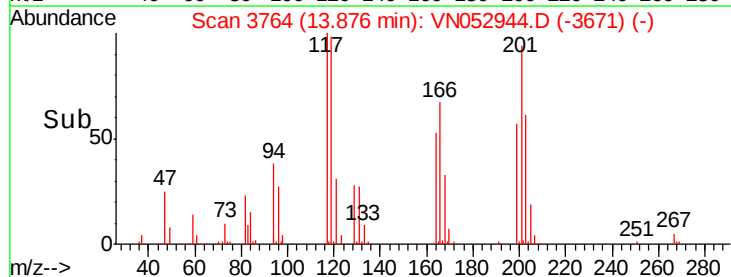
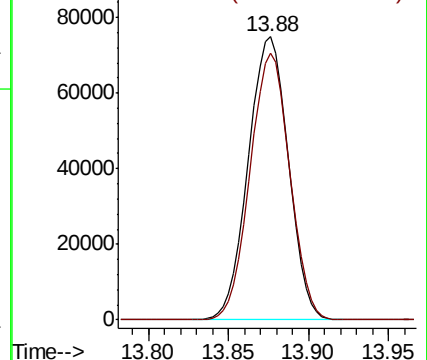
117 100

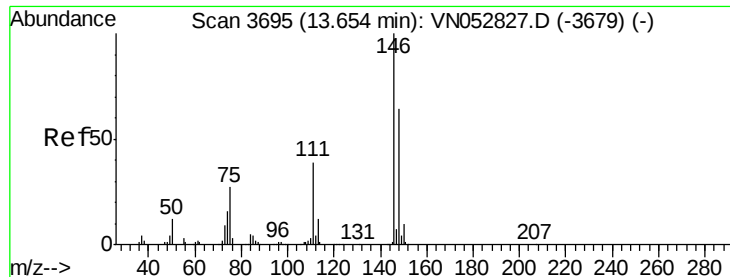
201 92.9 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN052827.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052827.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 19.212 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampleId :

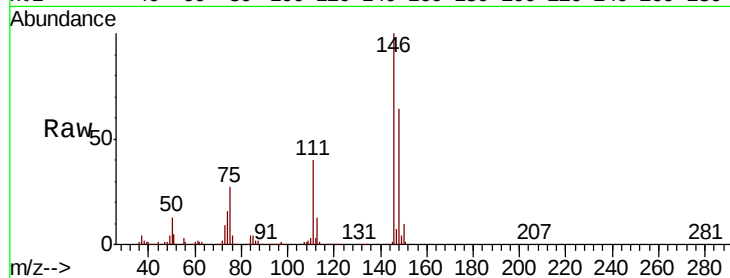
Tot Ion:146 Resp: 438578

Ion Ratio Lower Upper

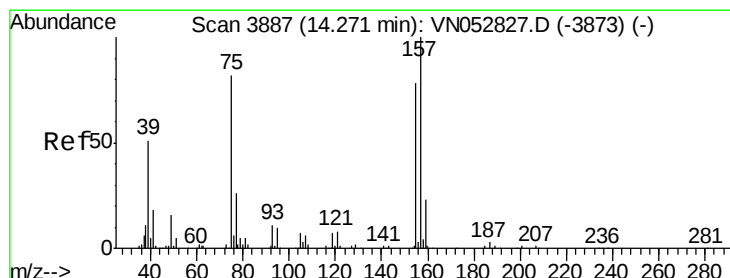
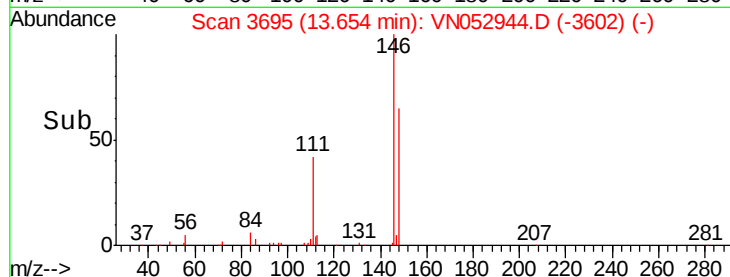
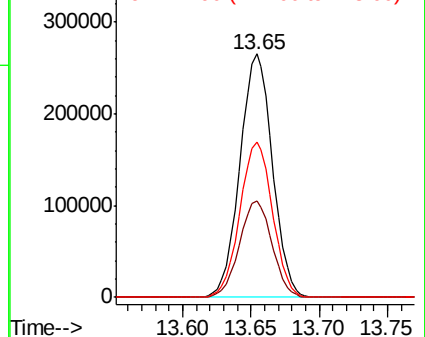
146 100

111 39.7 19.7 59.0

148 63.9 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.003 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

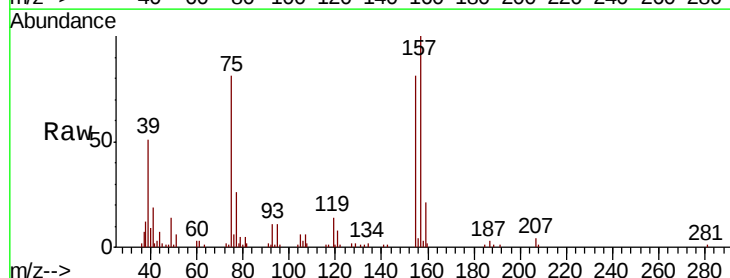
Tgt Ion: 75 Resp: 35480

Ion Ratio Lower Upper

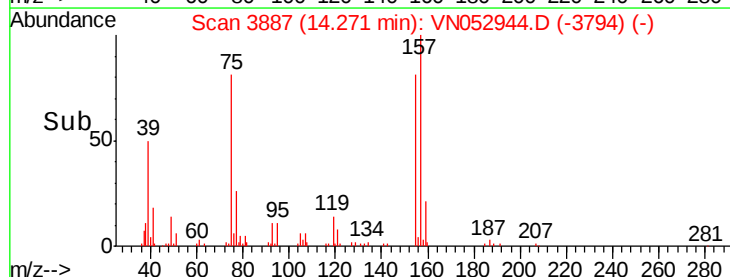
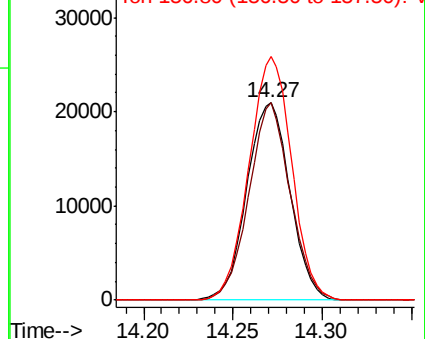
75 100

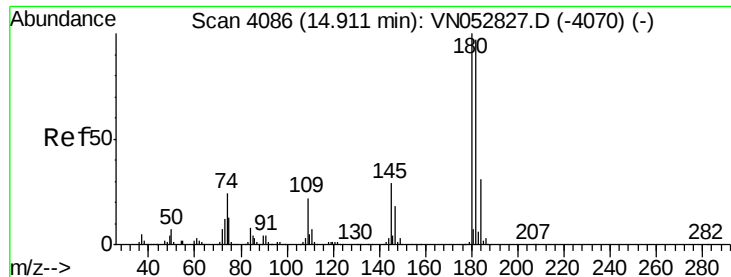
155 95.9 48.2 144.6

157 122.1 61.2 183.5



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

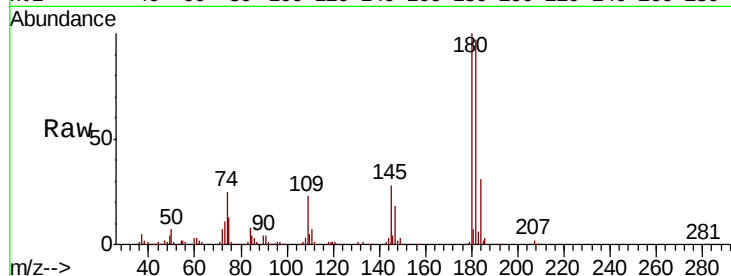




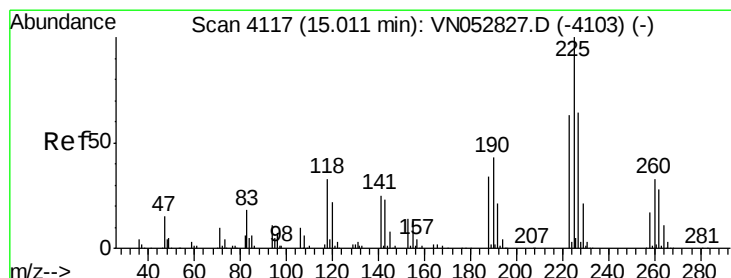
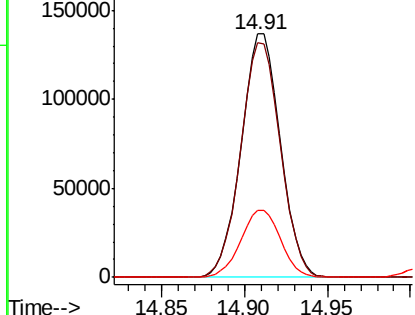
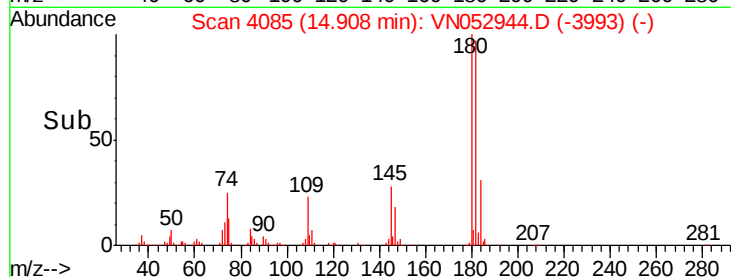
#93
 1,2,4-Trichlorobenzene
 Concen: 18.099 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.8	143.3
145	28.1	14.2	42.6

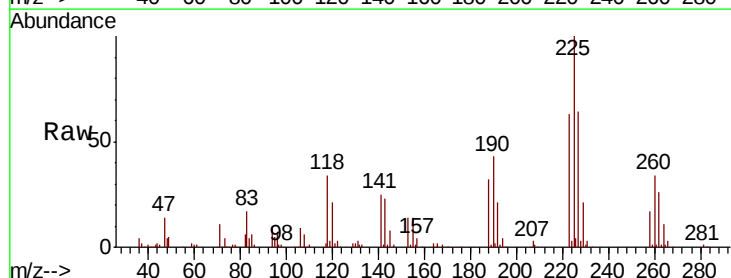


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

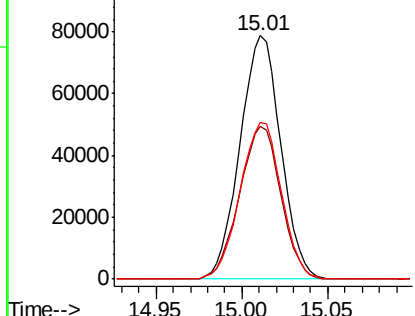
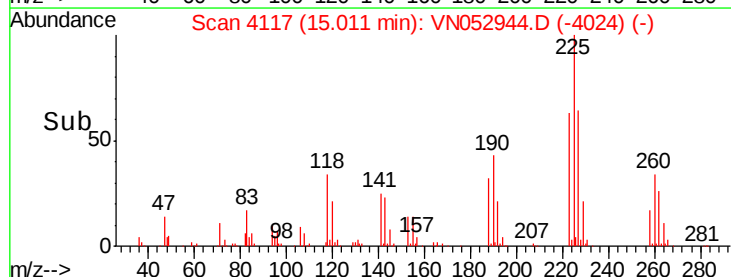


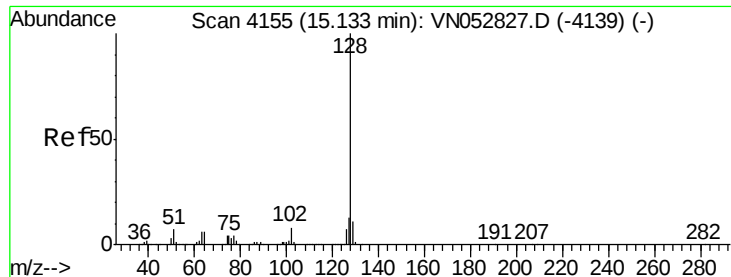
#94
 Hexachlorobutadiene
 Concen: 18.072 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.5	94.5
227	65.0	31.9	95.7



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

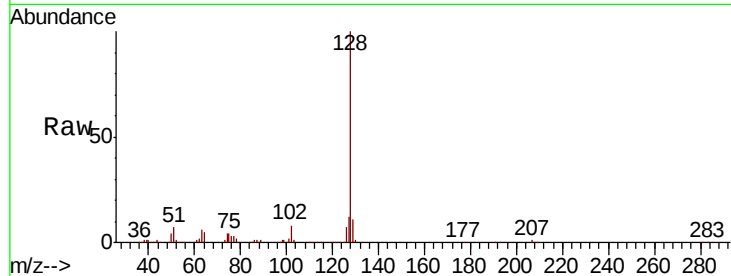




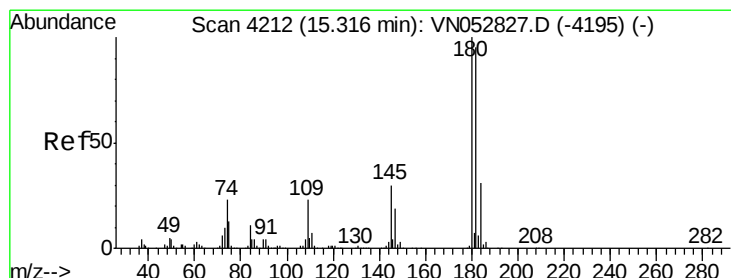
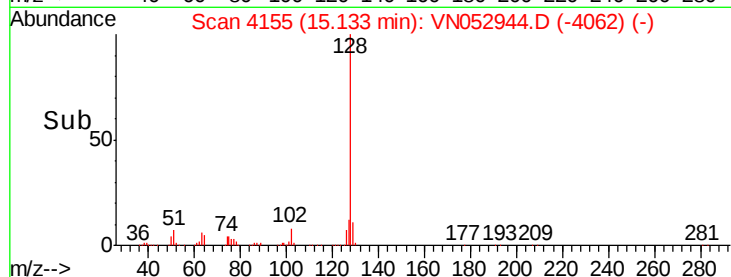
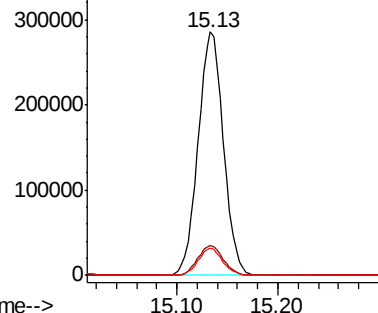
#95
Naphthalene
Concen: 19.418 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 499053
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.4
129 10.8 8.6 13.0

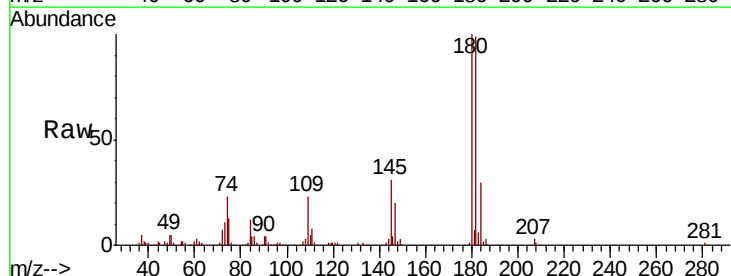


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.331 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion:180 Resp: 208722
Ion Ratio Lower Upper
180 100
182 96.8 47.9 143.7
145 29.4 15.0 45.0



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

