

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050281.D
 Acq On : 2 Aug 2018 23:14
 Operator : MD\SY
 Sample : VN0802WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

Quant Time: Aug 03 01:59:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	589150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	892295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	795878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	402590	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	409427	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
35) Dibromofluoromethane	7.59	113	357719	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	10.09	98	1309351	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.40	95	423521	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	166622	19.68	ug/l	100
3) Chloromethane	2.06	50	161650	17.57	ug/l	98
4) Vinyl Chloride	2.18	62	182855	18.87	ug/l	98
5) Bromomethane	2.56	94	71083	12.46	ug/l	100
6) Chloroethane	2.70	64	108517	18.65	ug/l	98
7) Trichlorofluoromethane	3.01	101	246021	19.60	ug/l	99
8) Diethyl Ether	3.41	74	86017	20.55	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	149287	19.78	ug/l	100
10) Methyl Iodide	3.95	142	95588	9.87	ug/l	99
11) Tert butyl alcohol	4.80	59	73049	120.78	ug/l #	88
12) 1,1-Dichloroethene	3.73	96	132271	19.48	ug/l	99
13) Acrolein	3.61	56	79921	164.47	ug/l	100
14) Allyl chloride	4.32	41	202988	19.28	ug/l	99
15) Acrylonitrile	5.00	53	295506	111.99	ug/l	99
16) Acetone	3.82	43	227810	115.32	ug/l	98
17) Carbon Disulfide	4.05	76	345524	16.61	ug/l	99
18) Methyl Acetate	4.33	43	225905	29.32	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	395364	21.85	ug/l	99
20) Methylene Chloride	4.55	84	157215	20.84	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	136732	19.00	ug/l	100
22) Diisopropyl ether	5.96	45	471590	22.59	ug/l	97
23) Vinyl Acetate	5.90	43	1514142	102.63	ug/l	99
24) 1,1-Dichloroethane	5.85	63	283179	20.74	ug/l	99
25) 2-Butanone	6.84	43	354929	113.20	ug/l	100
26) 2,2-Dichloropropane	6.82	77	167273	16.11	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	159813	20.63	ug/l	98
28) Bromochloromethane	7.20	49	128474	20.63	ug/l	99
29) Tetrahydrofuran	7.22	42	234932	115.96	ug/l	99
30) Chloroform	7.37	83	287800	20.66	ug/l	99
31) Cyclohexane	7.66	56	215185	18.96	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	244190	20.49	ug/l	100
36) 1,1-Dichloropropene	7.80	75	197730	19.67	ug/l	99
37) Ethyl Acetate	6.94	43	157488	22.47	ug/l	100
38) Carbon Tetrachloride	7.77	117	213602	20.02	ug/l	99

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Quant Time: Aug 03 01:59:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	187967	18.18	ug/l	97
40) Benzene	8.04	78	631243	20.64	ug/l	99
41) Methacrylonitrile	7.18	41	74774	22.11	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	210957	20.67	ug/l	99
43) Isopropyl Acetate	8.17	43	314462	23.20	ug/l #	92
44) Trichloroethene	8.84	130	164104	19.96	ug/l	99
45) 1,2-Dichloropropane	9.12	63	172379	21.27	ug/l	99
46) Dibromomethane	9.21	93	106738	21.22	ug/l	99
47) Bromodichloromethane	9.41	83	220836	20.80	ug/l	98
48) Methyl methacrylate	9.20	41	134111	22.22	ug/l	99
49) 1,4-Dioxane	9.20	88	40680	495.20	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	812470	117.92	ug/l	100
52) Toluene	10.16	92	382818	21.20	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	202756	20.24	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	238218	20.80	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	153530	21.44	ug/l	98
56) Ethyl methacrylate	10.43	69	186603	20.48	ug/l	100
57) 1,3-Dichloropropane	10.71	76	253210	21.71	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	373286	88.07	ug/l	99
59) 2-Hexanone	10.75	43	539287	109.49	ug/l	99
60) Dibromochloromethane	10.90	129	172991	21.81	ug/l	99
61) 1,2-Dibromoethane	11.01	107	150333	21.15	ug/l	98
64) Tetrachloroethene	10.63	164	154764	20.23	ug/l	97
65) Chlorobenzene	11.44	112	410065	20.40	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	167038	21.62	ug/l	98
67) Ethyl Benzene	11.51	91	680230	21.06	ug/l	99
68) m/p-Xylenes	11.62	106	532936	43.63	ug/l	99
69) o-Xylene	11.95	106	250646	21.52	ug/l	100
70) Styrene	11.97	104	405300	20.13	ug/l	99
71) Bromoform	12.13	173	121323	21.59	ug/l #	100
73) Isopropylbenzene	12.25	105	670195	21.46	ug/l	99
74) N-amyl acetate	12.07	43	203216	21.30	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	204193	23.55	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	238575	31.89	ug/l #	100
77) Bromobenzene	12.53	156	179669	20.76	ug/l	98
78) n-propylbenzene	12.59	91	754989	21.63	ug/l	100
79) 2-Chlorotoluene	12.68	91	468521	21.66	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	554696	22.59	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	47321	20.06	ug/l	96
82) 4-Chlorotoluene	12.78	91	471403	22.01	ug/l	100
83) tert-Butylbenzene	13.00	119	468007	21.84	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	561988	22.70	ug/l	99
85) sec-Butylbenzene	13.17	105	628216	21.94	ug/l	100
86) p-Isopropyltoluene	13.29	119	525955	21.80	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	303985	20.72	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	296116	20.71	ug/l	98
89) n-Butylbenzene	13.62	91	397258	20.02	ug/l	97
90) Hexachloroethane	13.88	117	107784	20.12	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	306930	20.93	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31656	22.31	ug/l	99

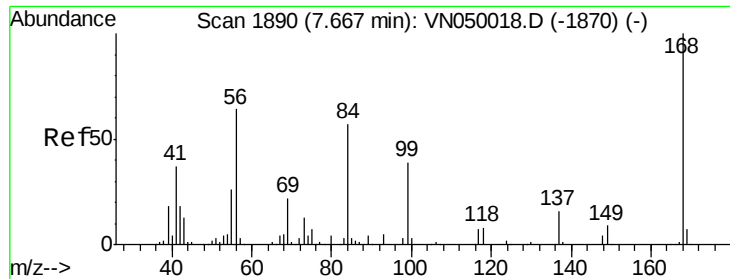
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
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Quant Time: Aug 03 01:59:03 2018
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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	125802	18.26	ug/l	96
94) Hexachlorobutadiene	15.01	225	86719	19.32	ug/l	99
95) Naphthalene	15.14	128	278063	18.20	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	134830	19.22	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

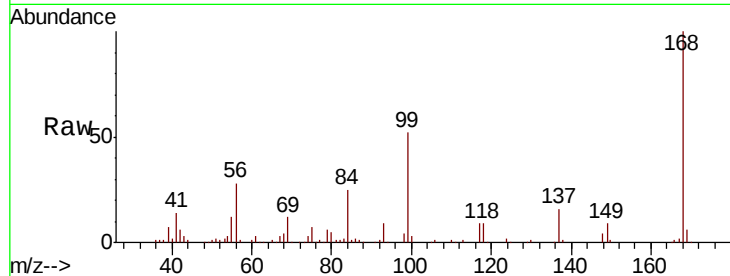
Instrument :
MSVOA_N
ClientSampled :
VN0802WBS02

Tot Ion:168 Resp: 589150

Ion Ratio Lower Upper

168 100

99 51.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

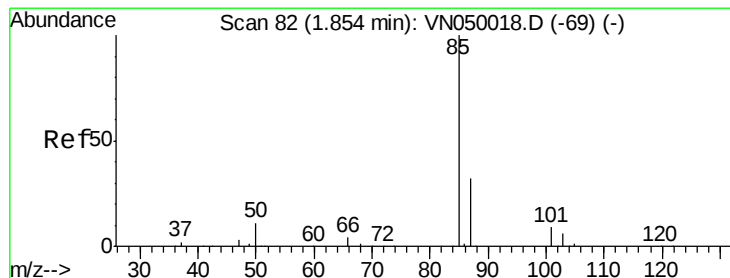
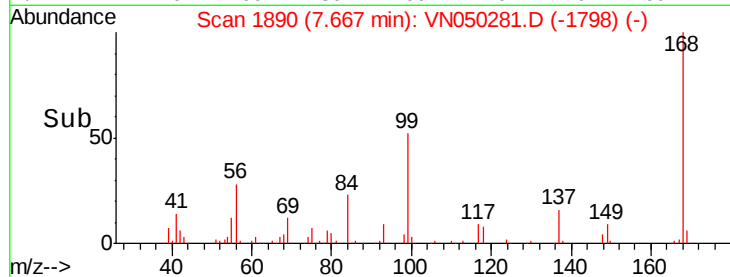
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.68 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050281.D

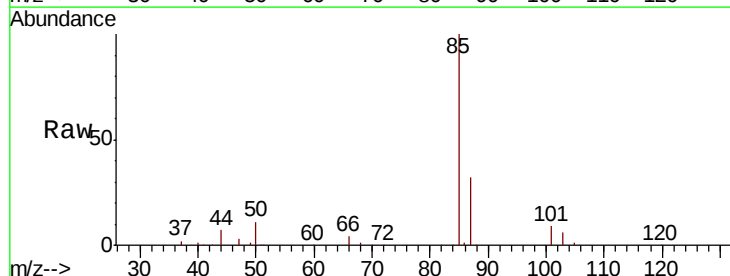
Acq: 2 Aug 2018 23:14

Tgt Ion: 85 Resp: 166622

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

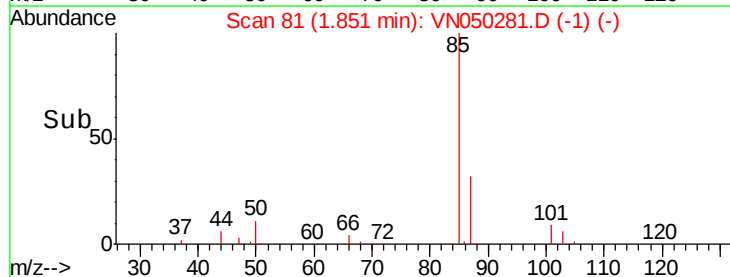
1.85

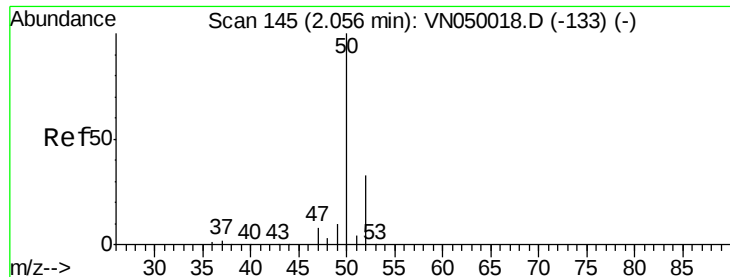
100000

50000

0

Time-->





#3

Chloromethane

Concen: 17.57 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampled :

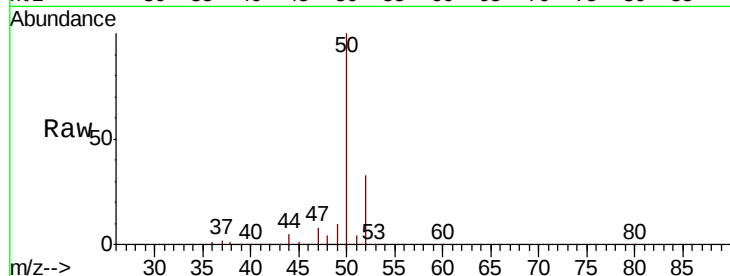
VN0802WBS02

Tot Ion: 50 Resp: 161650

Ion Ratio Lower Upper

50 100

52 33.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

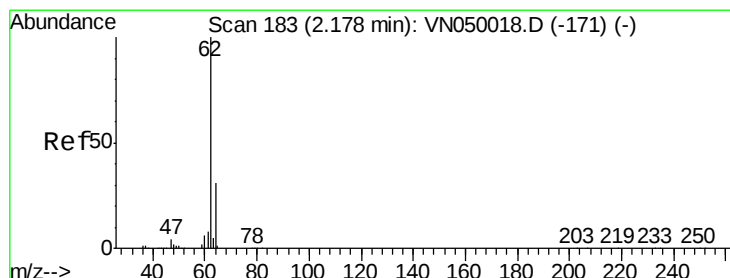
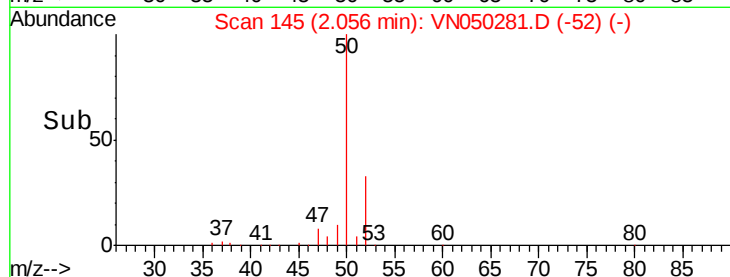
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 18.87 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050281.D

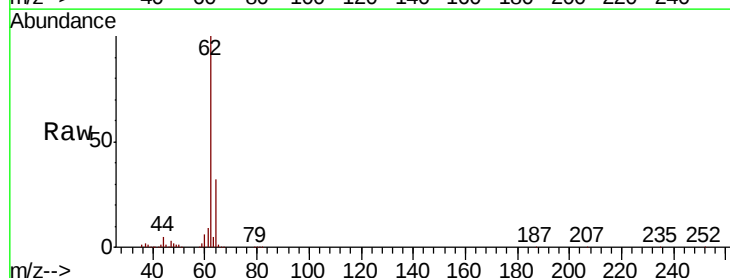
Acq: 2 Aug 2018 23:14

Tgt Ion: 62 Resp: 182855

Ion Ratio Lower Upper

62 100

64 32.0 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

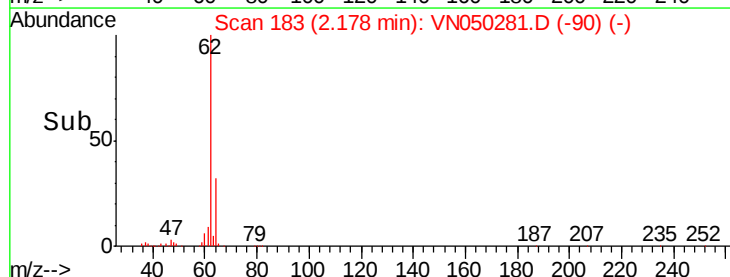
2.18

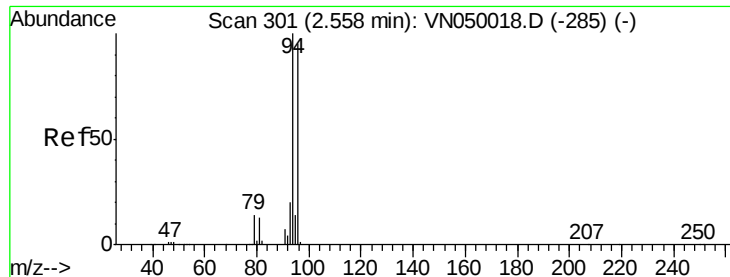
100000

50000

0

Time-->





#5

Bromomethane

Concen: 12.46 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

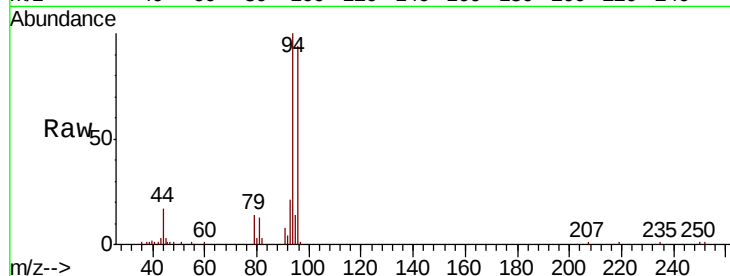
VN0802WBS02

Tot Ion: 94 Resp: 71083

Ion Ratio Lower Upper

94 100

96 93.7 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

40000

30000

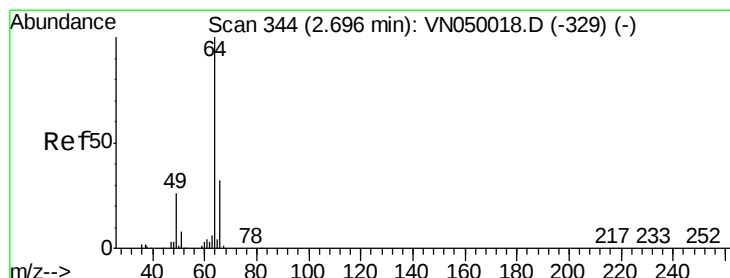
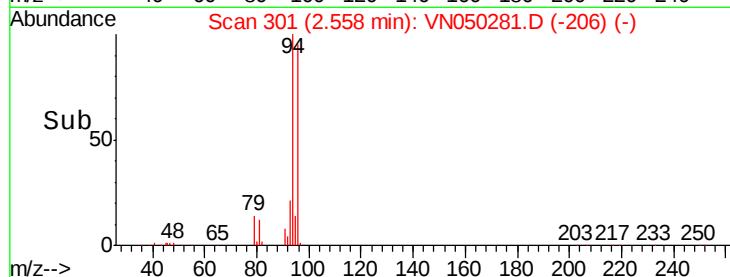
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.65 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050281.D

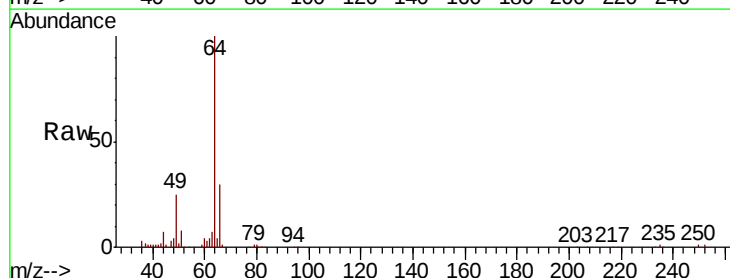
Acq: 2 Aug 2018 23:14

Tgt Ion: 64 Resp: 108517

Ion Ratio Lower Upper

64 100

66 30.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

60000

50000

40000

30000

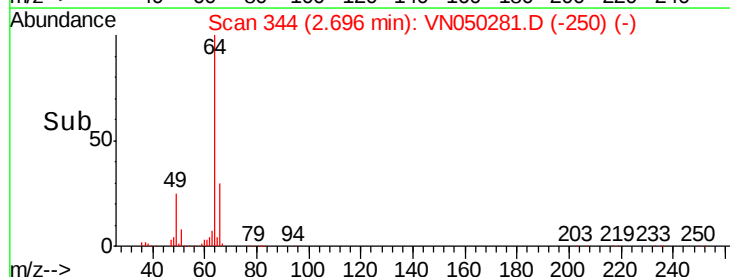
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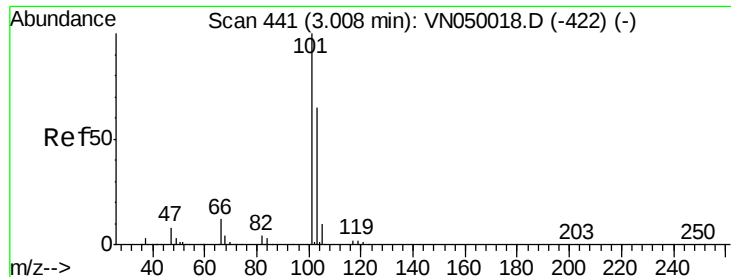
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Time-->

2.60 2.70 2.80



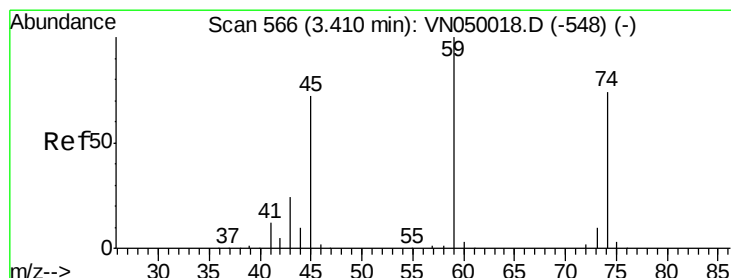
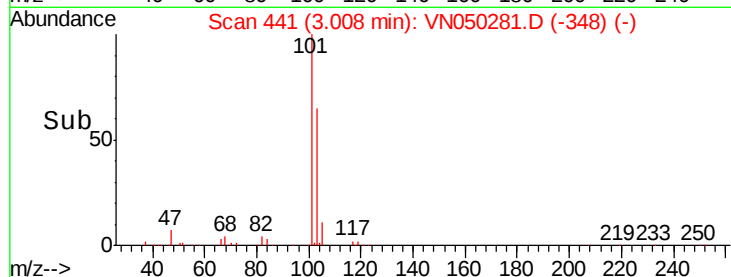
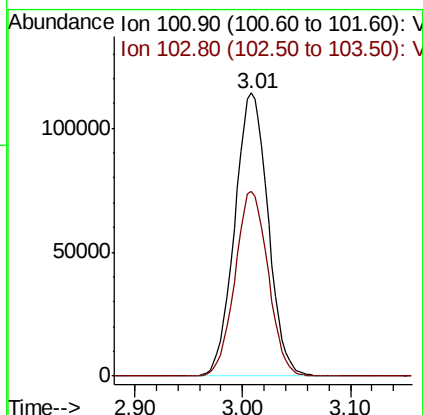
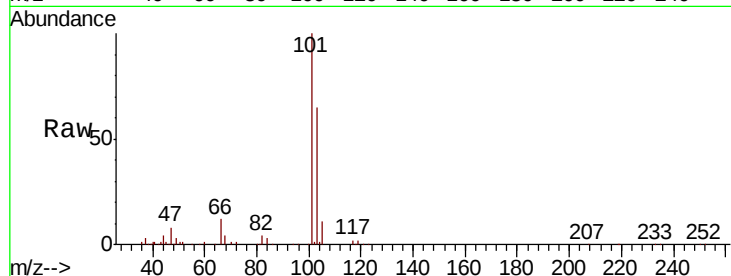


#7

Trichlorofluoromethane
Concen: 19.60 ug/l
RT: 3.01 min Scan# 441
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
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VN0802WBS02

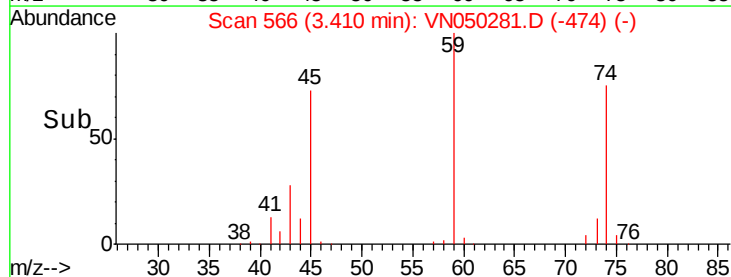
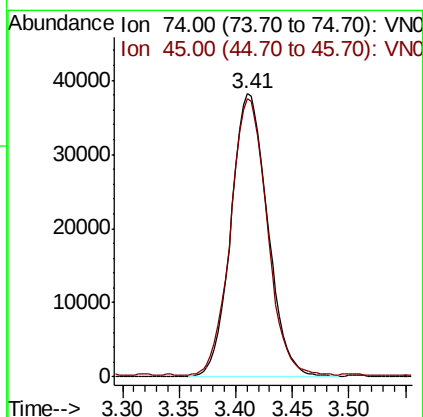
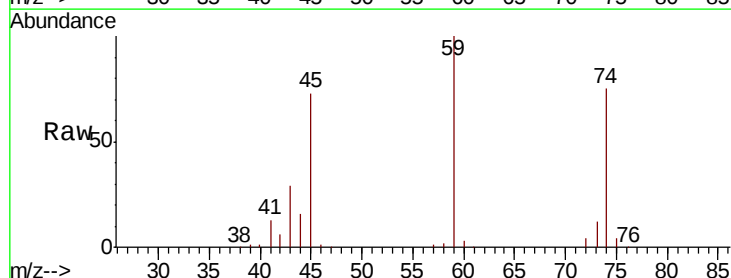
Tot Ion:101 Resp: 246021
Ion Ratio Lower Upper
101 100
103 65.4 51.7 77.5

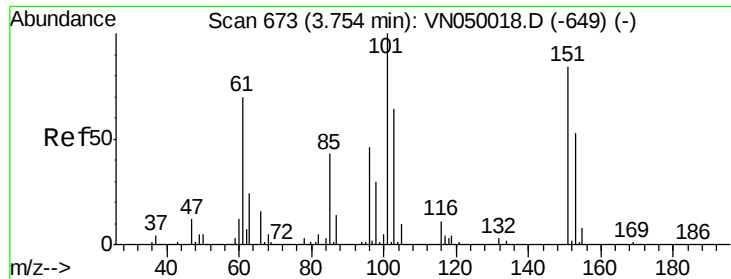


#8

Diethyl Ether
Concen: 20.55 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion: 74 Resp: 86017
Ion Ratio Lower Upper
74 100
45 97.0 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.78 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS02

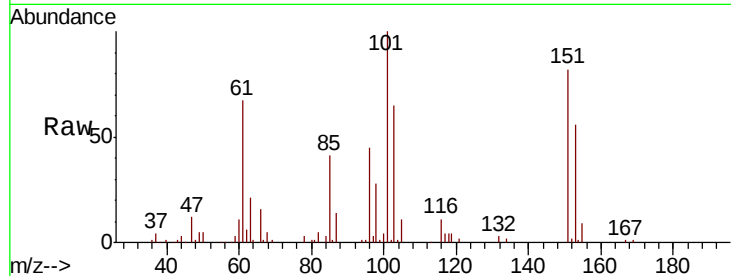
Tot Ion:101 Resp: 149287

Ion Ratio Lower Upper

101 100

85 42.6 34.2 51.2

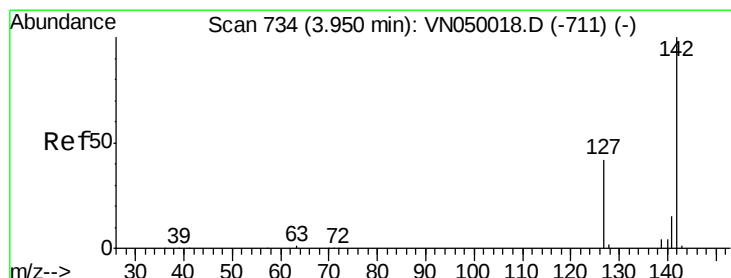
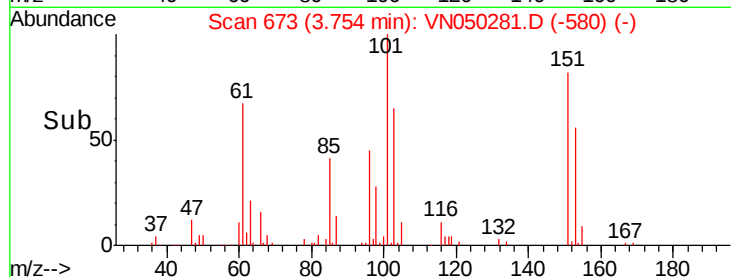
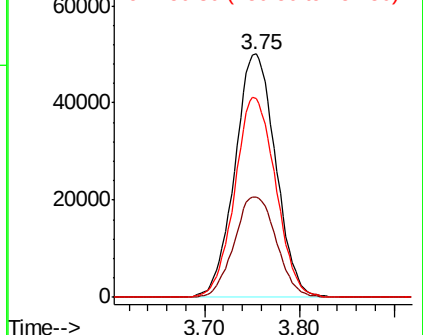
151 82.6 66.3 99.5



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: 9.87 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

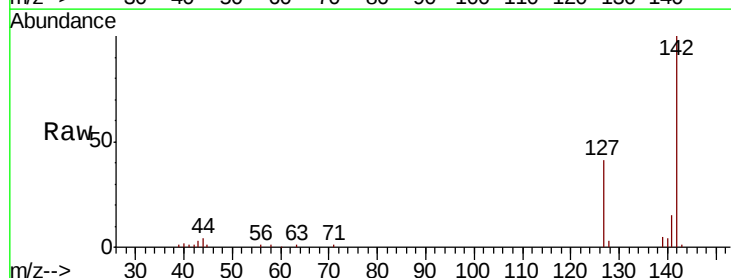
Tgt Ion:142 Resp: 95588

Ion Ratio Lower Upper

142 100

127 41.5 33.4 50.2

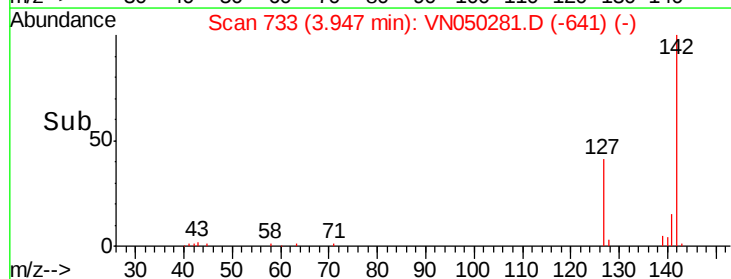
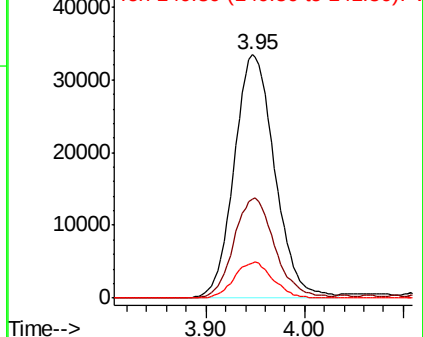
141 14.1 11.6 17.4

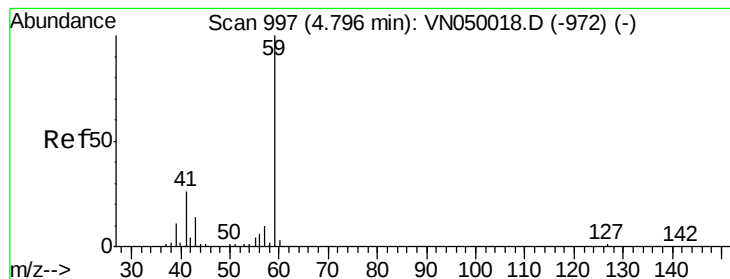


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



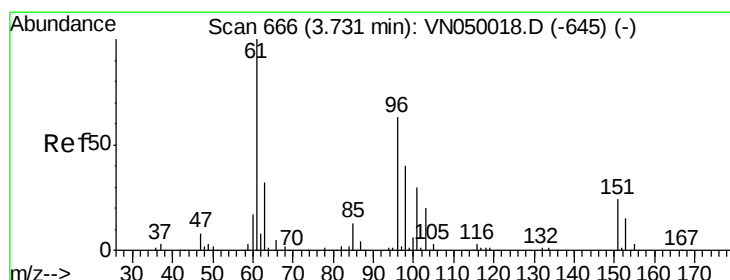
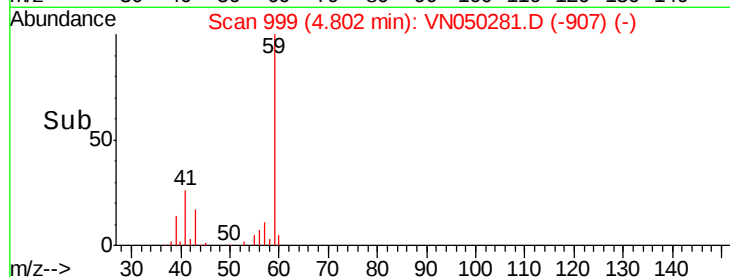
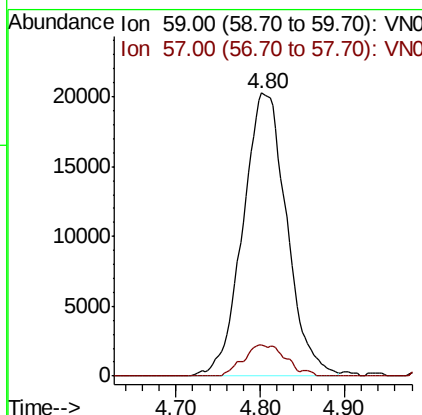
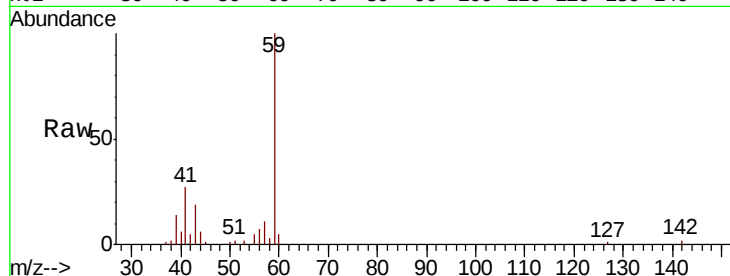


#11

Tert butyl alcohol
 Concen: 120.78 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

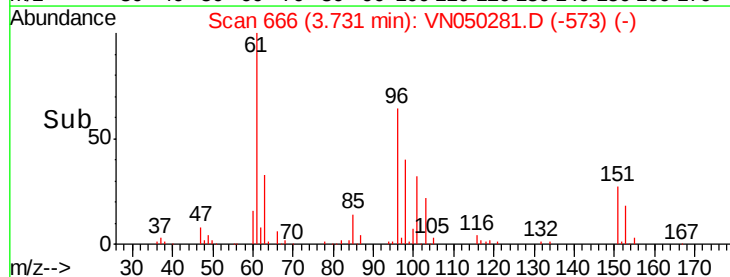
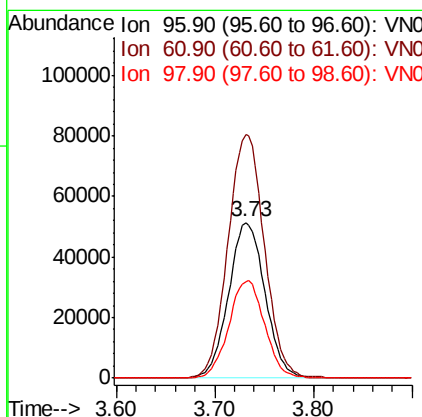
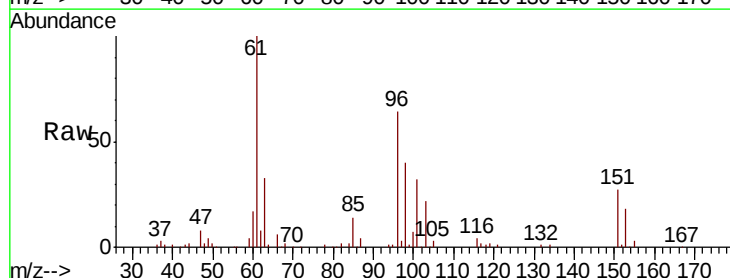
Tot Ion: 59 Resp: 73049
 Ion Ratio Lower Upper
 59 100
 57 6.1 8.5 12.7#

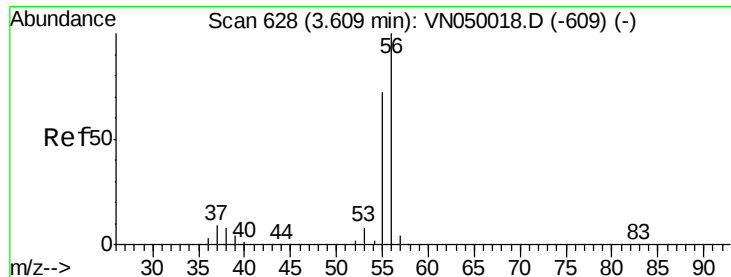


#12

1,1-Dichloroethene
 Concen: 19.48 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Tgt Ion: 96 Resp: 132271
 Ion Ratio Lower Upper
 96 100
 61 155.9 124.4 186.6
 98 62.2 48.3 72.5





#13

Acrolein

Concen: 164.47 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

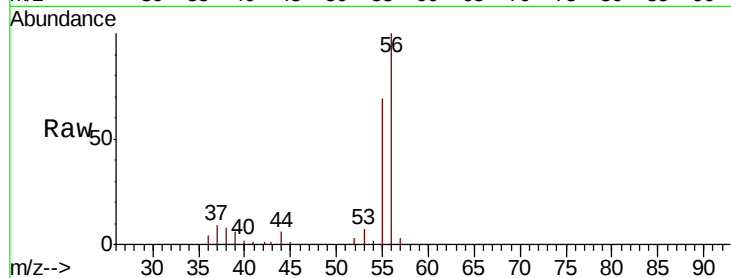
VN0802WBS02

Tot Ion: 56 Resp: 79921

Ion Ratio Lower Upper

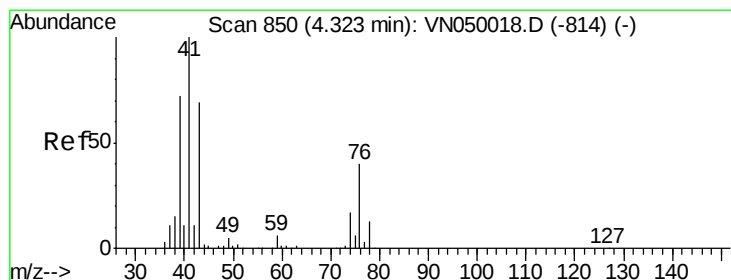
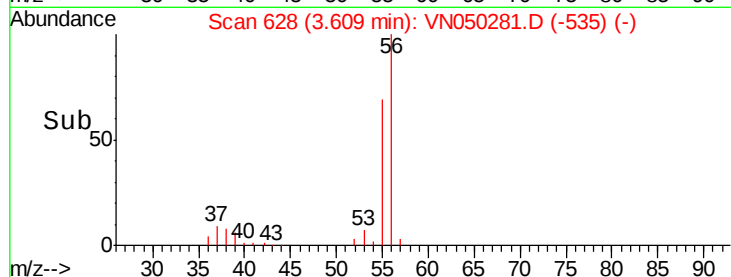
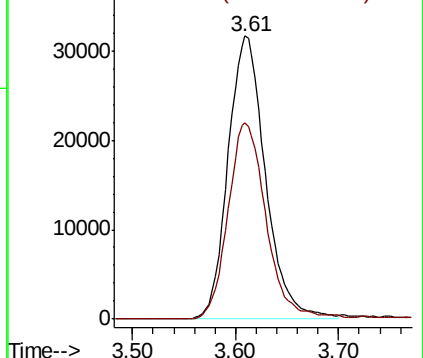
56 100

55 70.0 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.28 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

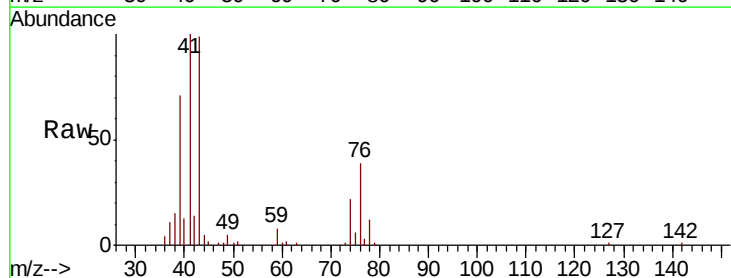
Tgt Ion: 41 Resp: 202988

Ion Ratio Lower Upper

41 100

39 67.2 54.2 81.4

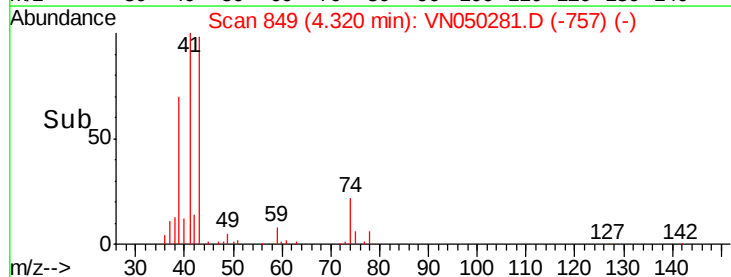
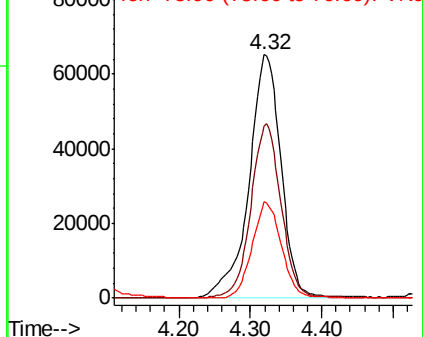
76 35.9 29.0 43.6

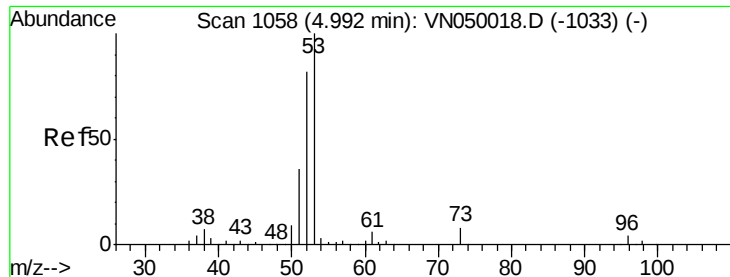


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 111.99 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS02

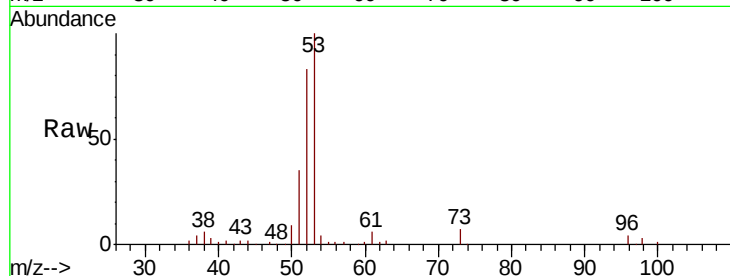
Tot Ion: 53 Resp: 295506

Ion Ratio Lower Upper

53 100

52 83.3 66.2 99.2

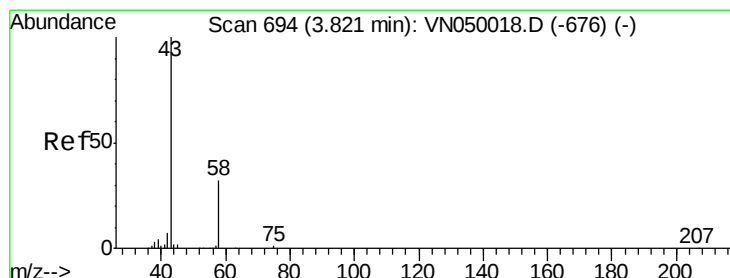
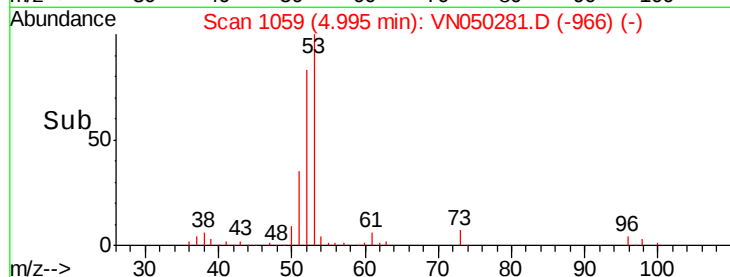
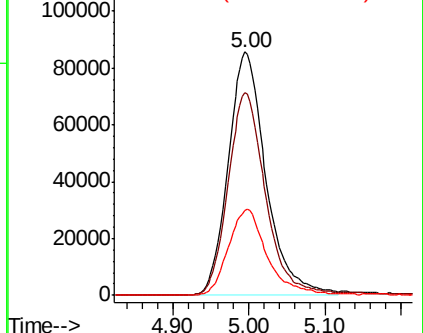
51 36.3 29.3 43.9



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: 115.32 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050281.D

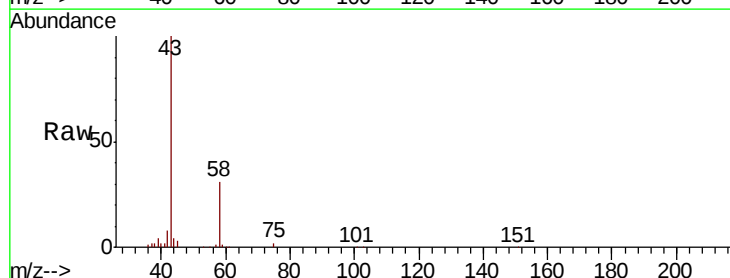
Acq: 2 Aug 2018 23:14

Tgt Ion: 43 Resp: 227810

Ion Ratio Lower Upper

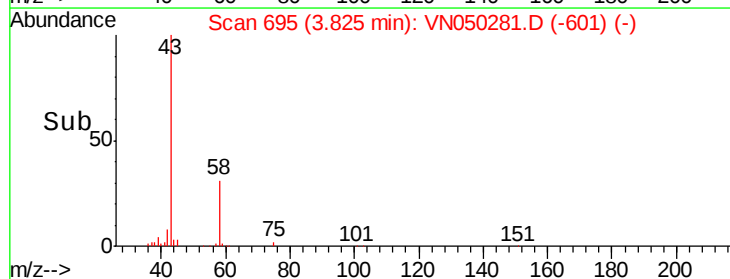
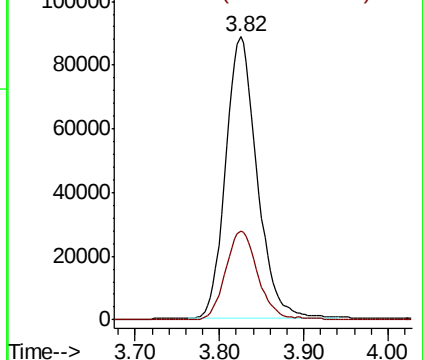
43 100

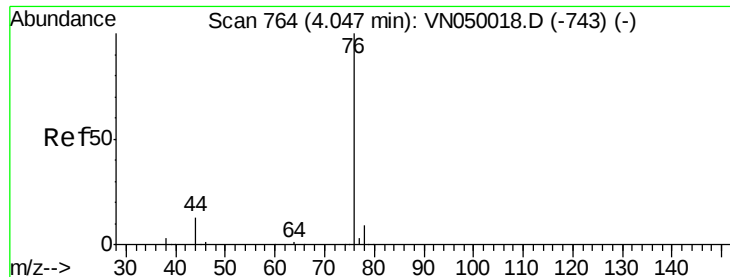
58 31.3 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.61 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

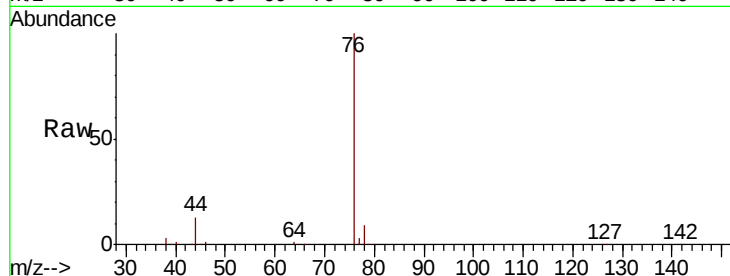
VN0802WBS02

Tot Ion: 76 Resp: 345524

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

150000

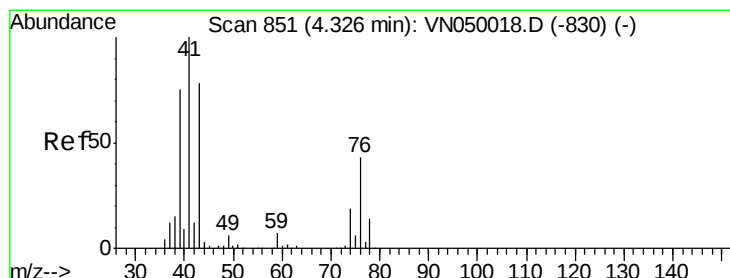
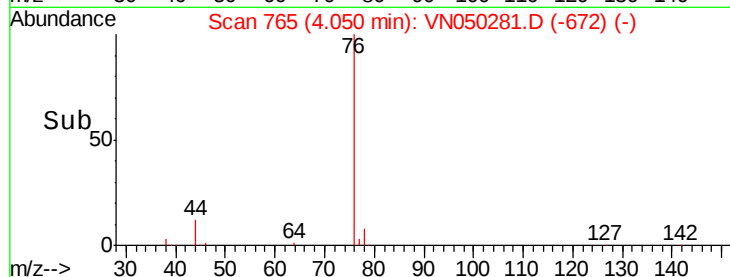
4.05

100000

50000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 29.32 ug/l

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN050281.D

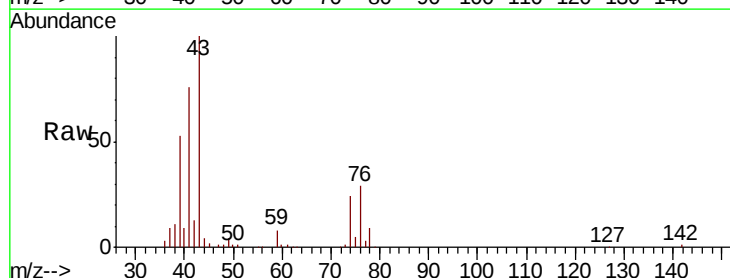
Acq: 2 Aug 2018 23:14

Tgt Ion: 43 Resp: 225905

Ion Ratio Lower Upper

43 100

74 24.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

80000

4.33

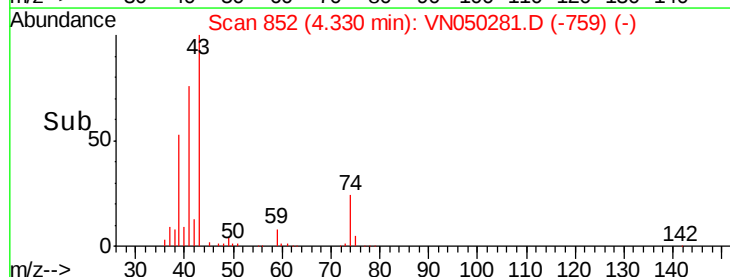
60000

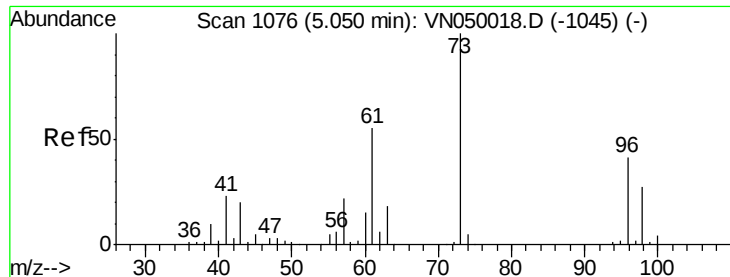
40000

20000

0

Time--> 4.20 4.30 4.40 4.50

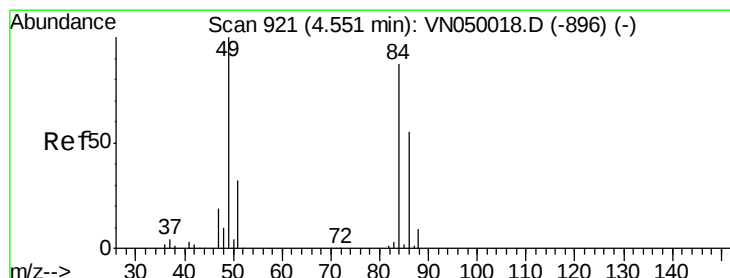
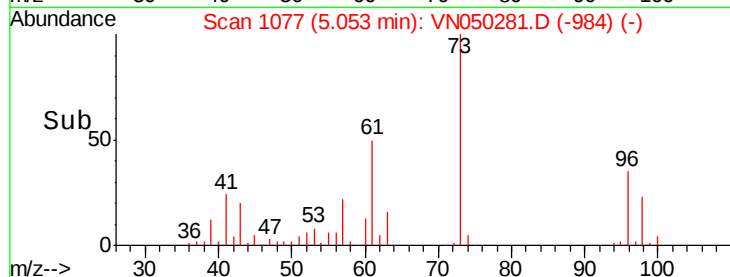
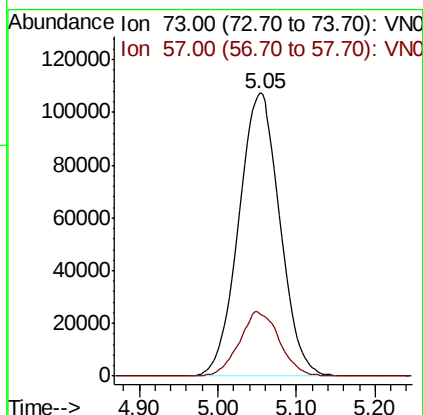
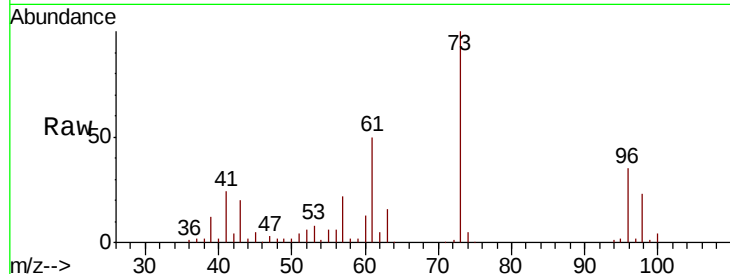




#19
Methyl tert-butyl Ether
Concen: 21.85 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

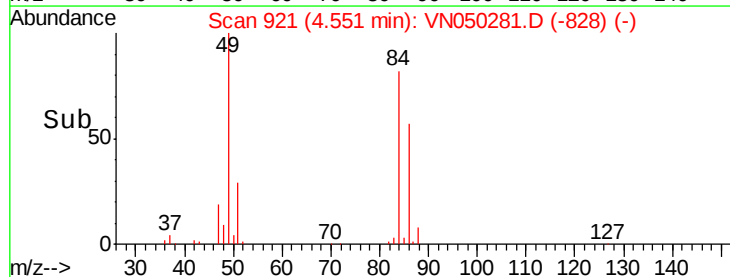
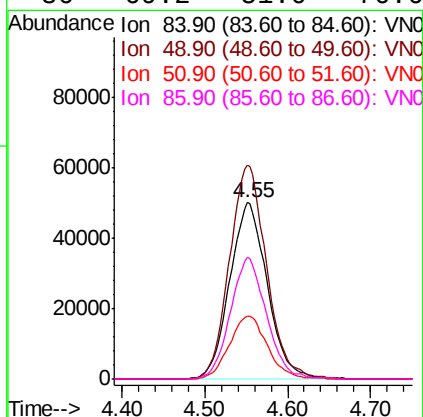
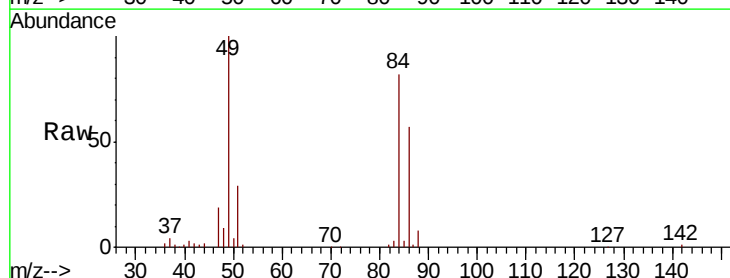
Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS02

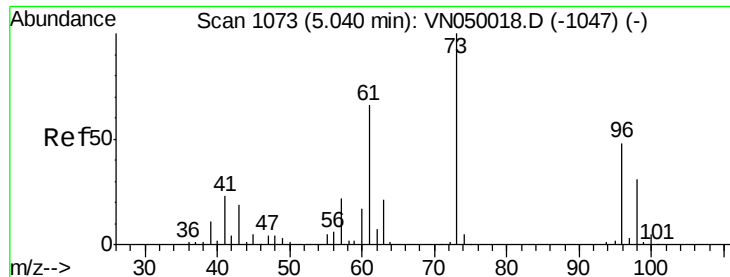
Tot Ion: 73 Resp: 395364
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0



#20
Methylene Chloride
Concen: 20.84 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion: 84 Resp: 157215
Ion Ratio Lower Upper
84 100
49 121.2 94.8 142.2
51 35.7 28.3 42.5
86 69.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.00 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS02

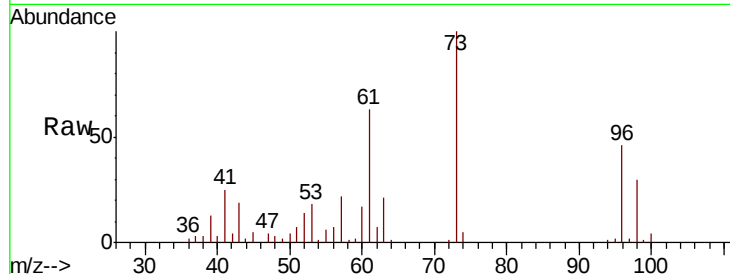
Tot Ion: 96 Resp: 136732

Ion Ratio Lower Upper

96 100

61 137.6 110.7 166.1

98 64.4 51.6 77.4

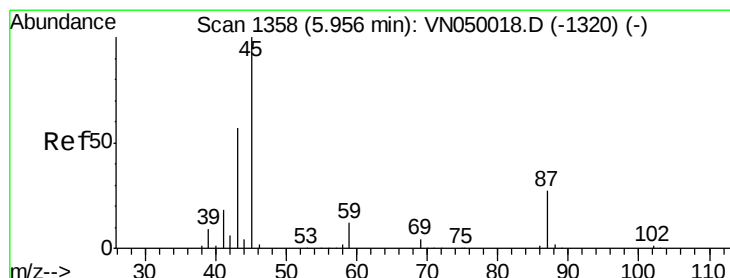
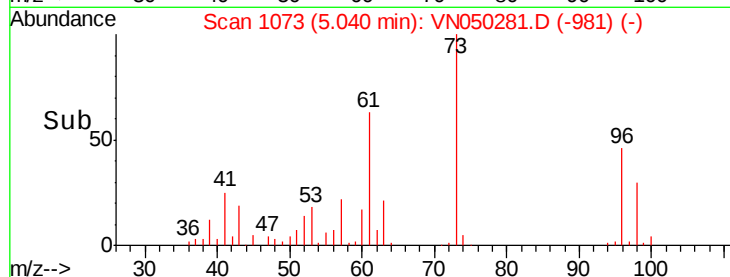
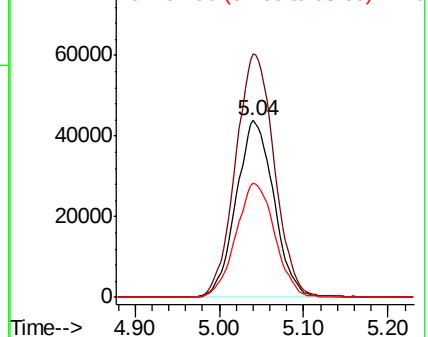


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 22.59 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Tgt Ion: 45 Resp: 471590

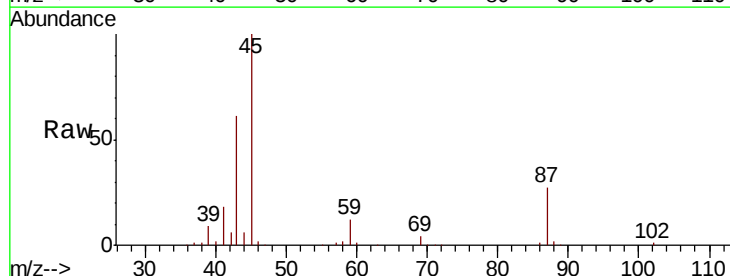
Ion Ratio Lower Upper

45 100

43 60.1 45.7 68.5

87 26.8 22.7 34.1

59 11.8 9.5 14.3



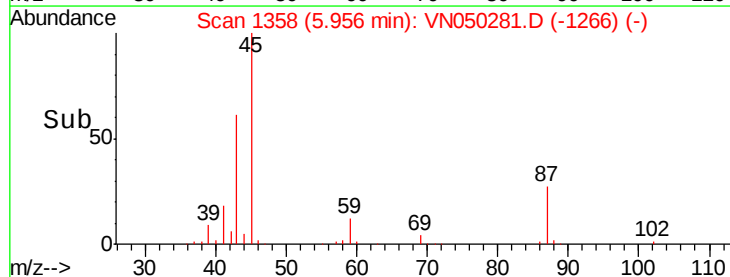
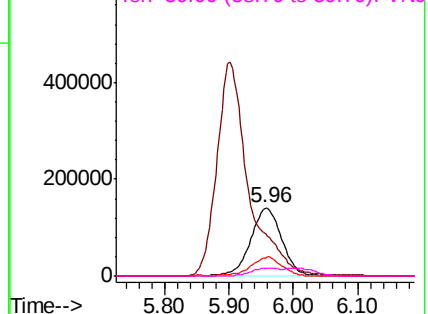
Abundance

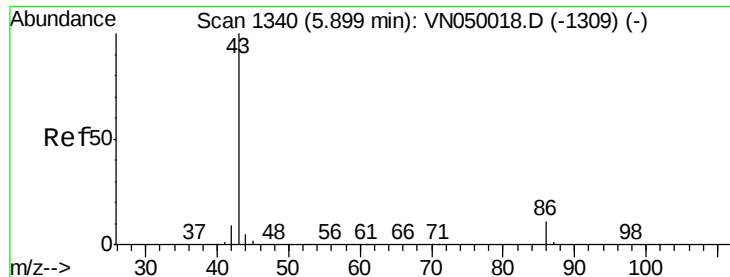
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 102.63 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

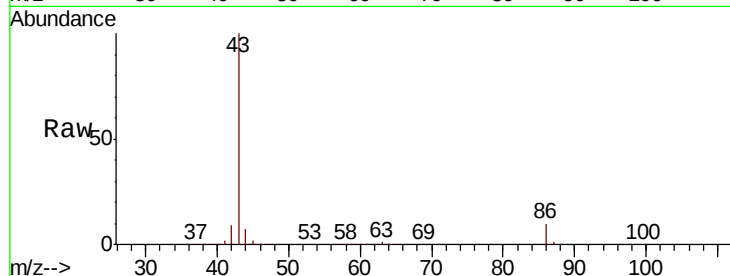
VN0802WBS02

Tot Ion: 43 Resp: 1514142

Ion Ratio Lower Upper

43 100

86 10.3 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN050281.D (-1340) (-)

Ion 86.00 (85.70 to 86.70): VN050281.D (-1340) (-)

5.90

400000

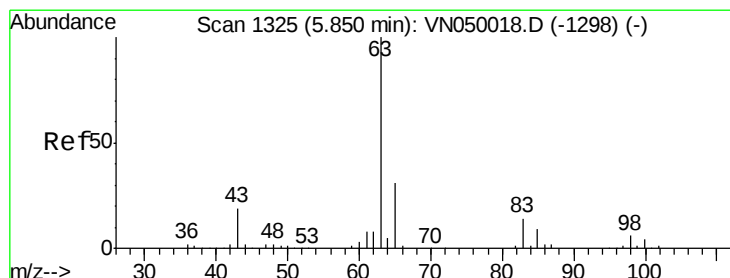
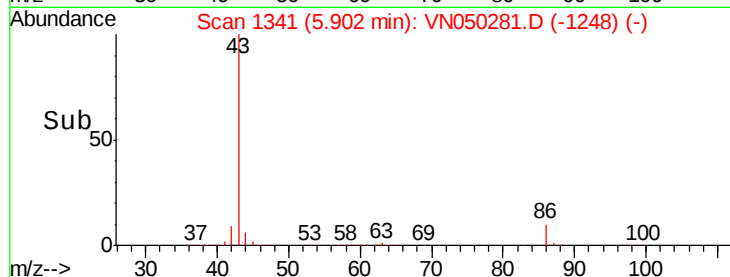
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.74 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

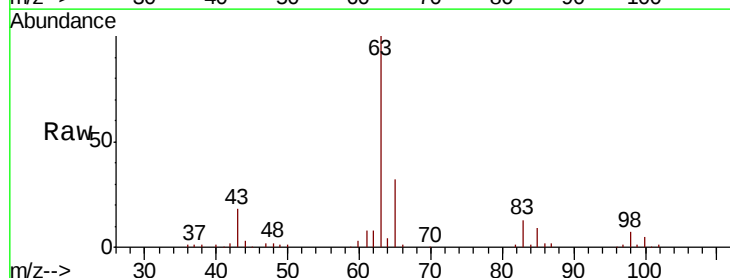
Tgt Ion: 63 Resp: 283179

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.7 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN050281.D (-1325) (-)

Ion 97.90 (97.60 to 98.60): VN050281.D (-1325) (-)

Ion 99.90 (99.60 to 100.60): VN050281.D (-1325) (-)

120000

100000

80000

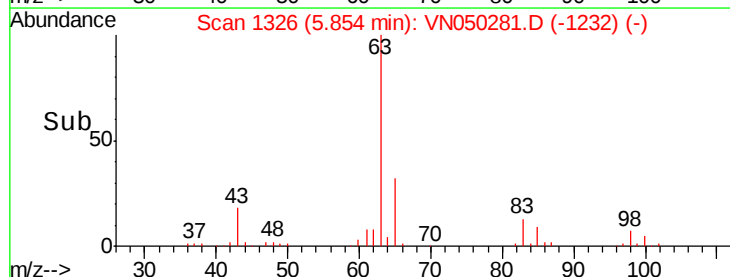
60000

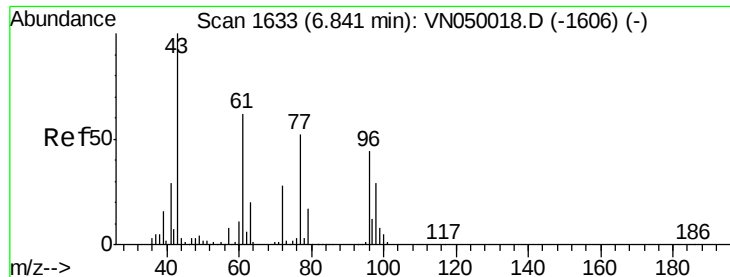
40000

20000

0

Time-->

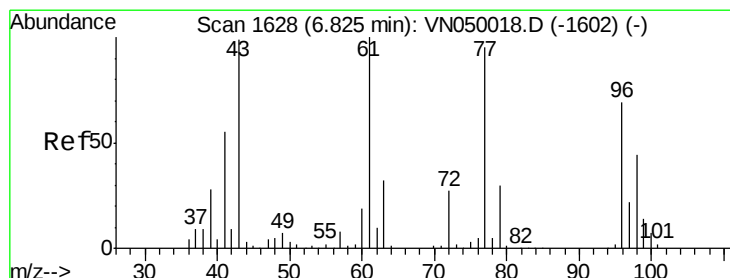
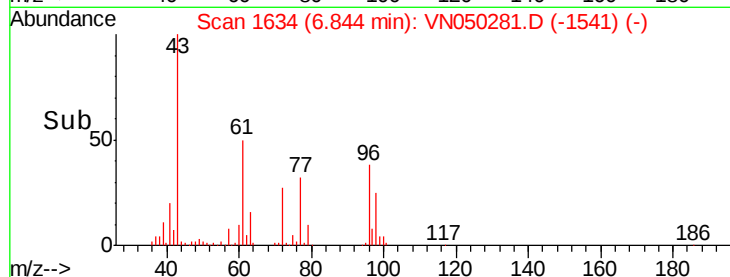
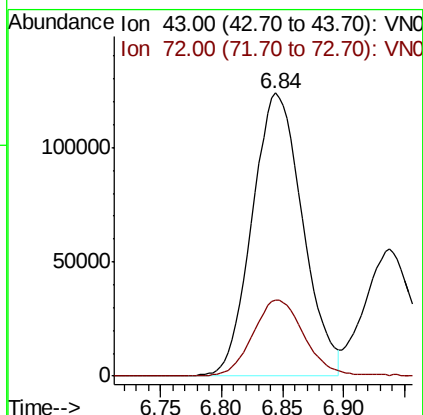
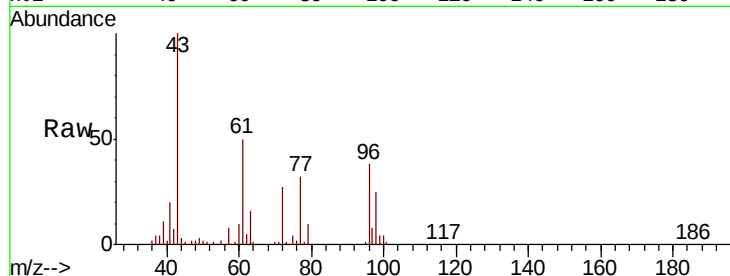




#25
2-Butanone
Concen: 113.20 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

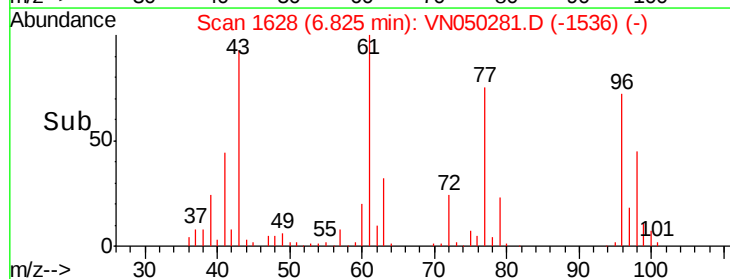
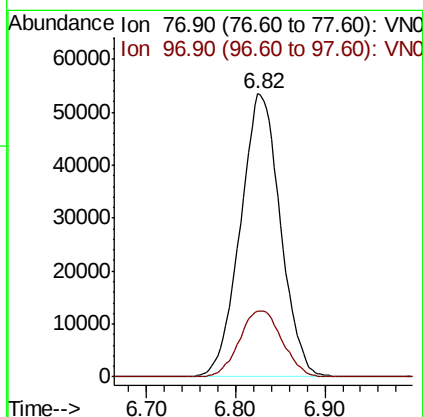
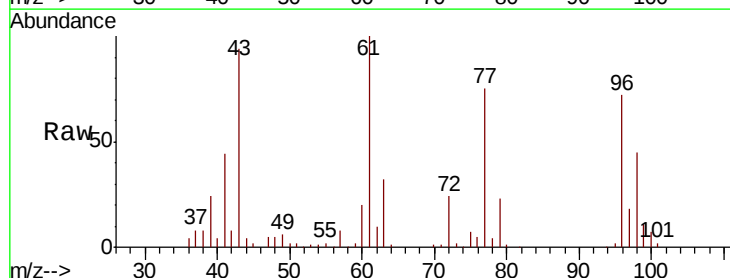
Instrument :
MSVOA_N
ClientSampled :
VN0802WBS02

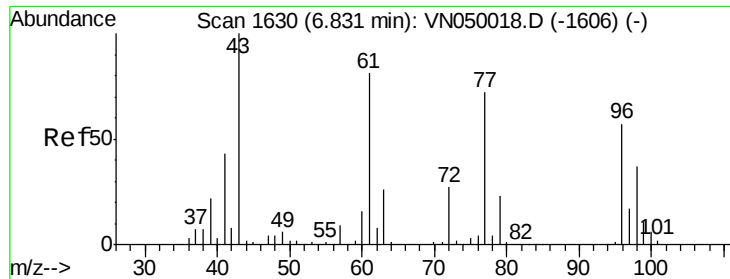
Tot Ion: 43 Resp: 354929
Ion Ratio Lower Upper
43 100
72 26.9 21.5 32.3



#26
2,2-Dichloropropane
Concen: 16.11 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion: 77 Resp: 167273
Ion Ratio Lower Upper
77 100
97 24.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.63 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS02

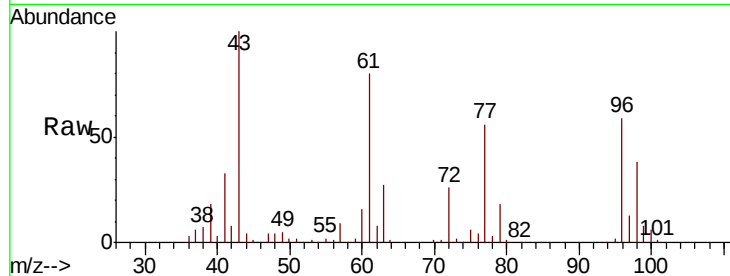
Tot Ion: 96 Resp: 159813

Ion Ratio Lower Upper

96 100

61 138.3 0.0 285.0

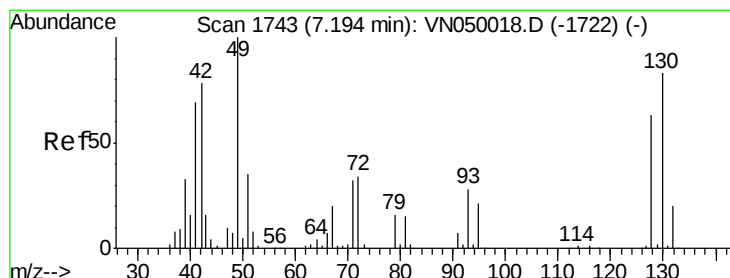
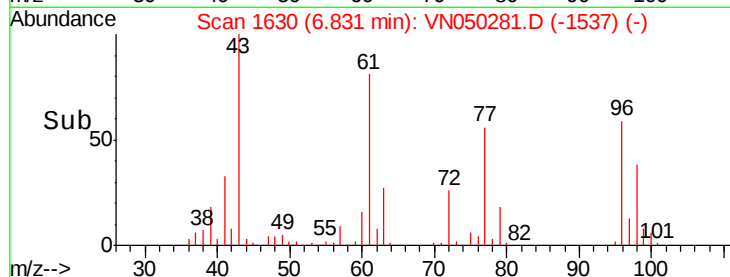
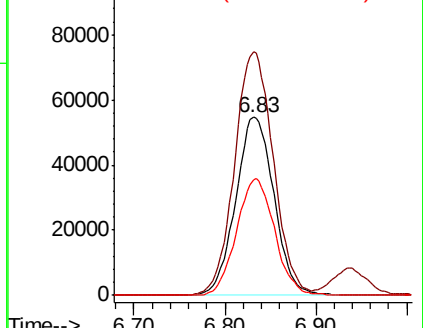
98 65.0 0.0 129.2



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: 20.63 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

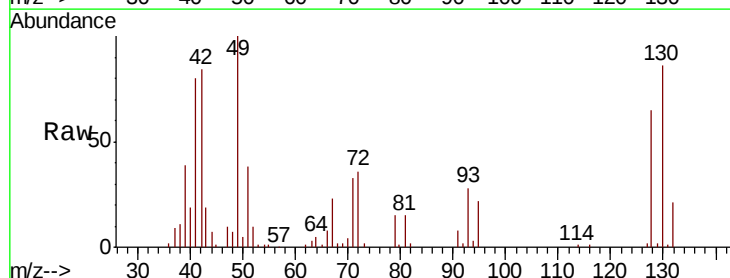
Tgt Ion: 49 Resp: 128474

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

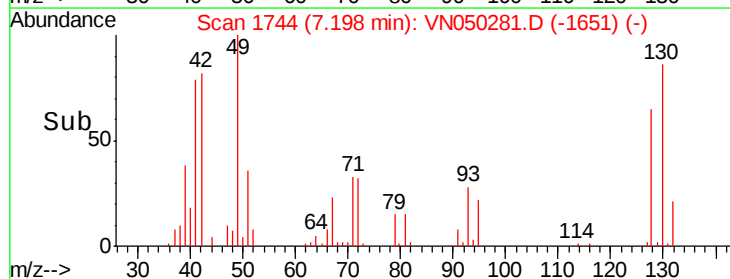
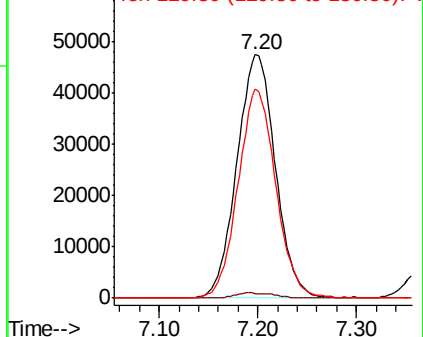
130 84.2 66.3 99.5

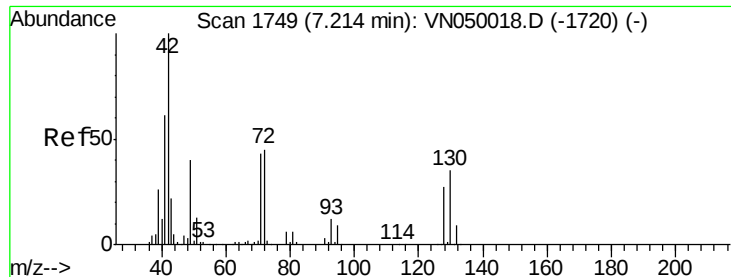


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

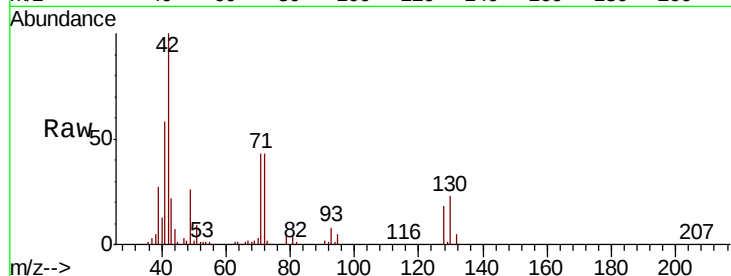




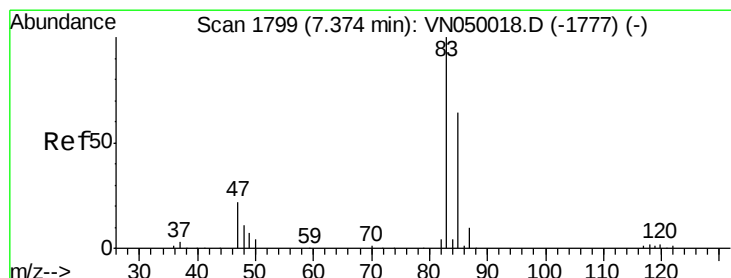
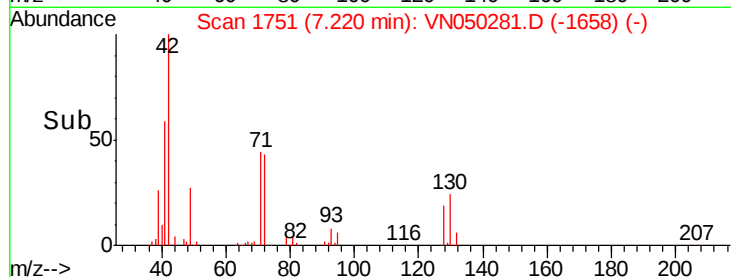
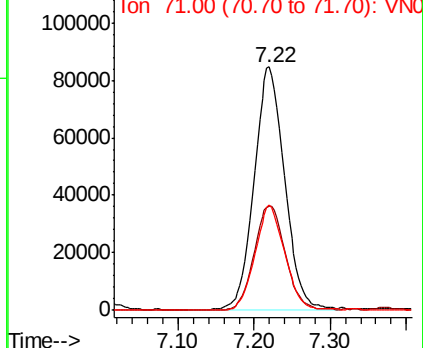
#29
Tetrahydrofuran
Concen: 115.96 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampled :
VN0802WBS02

Tot Ion: 42 Resp: 234932
Ion Ratio Lower Upper
42 100
72 44.2 35.9 53.9
71 42.0 33.7 50.5

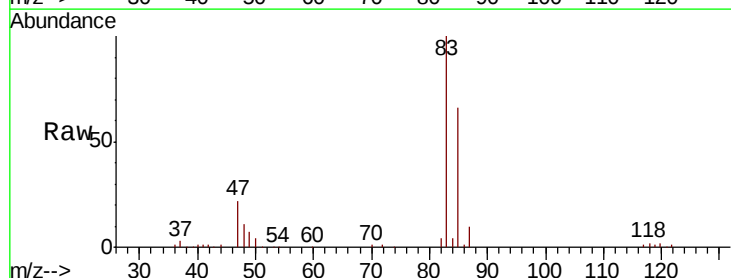


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

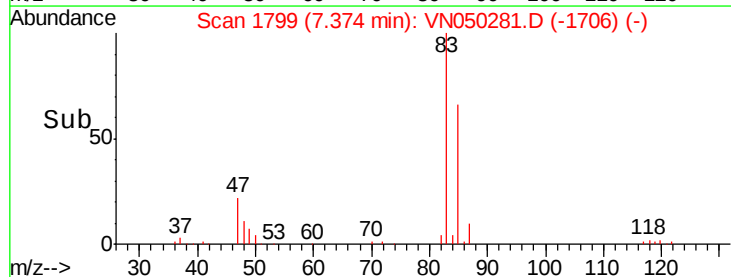
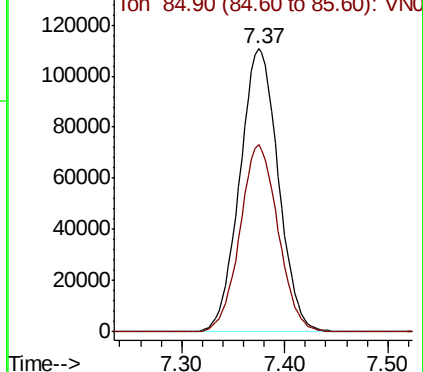


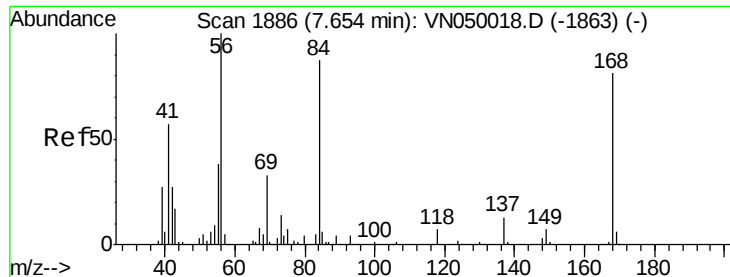
#30
Chloroform
Concen: 20.66 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion: 83 Resp: 287800
Ion Ratio Lower Upper
83 100
85 66.0 52.5 78.7



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

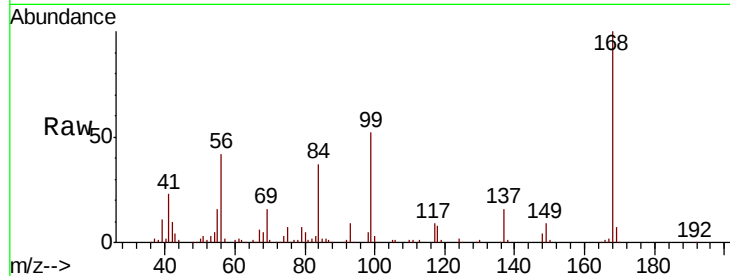




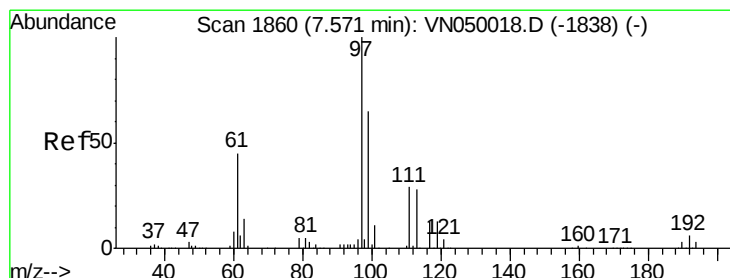
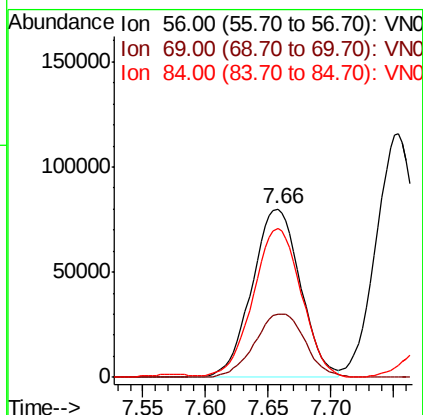
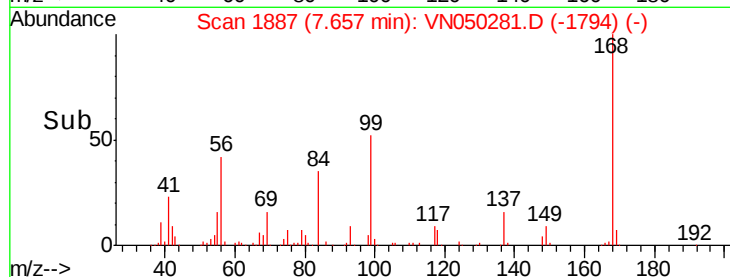
#31
Cyclohexane
Concen: 18.96 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampled :
VN0802WBS02

Tot Ion: 56 Resp: 215185
Ion Ratio Lower Upper
56 100
69 37.9 26.2 39.4
84 87.3 67.4 101.0

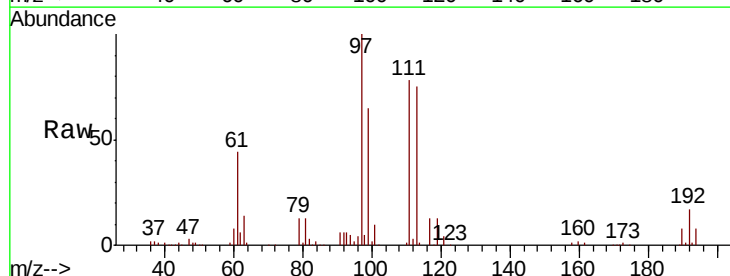


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

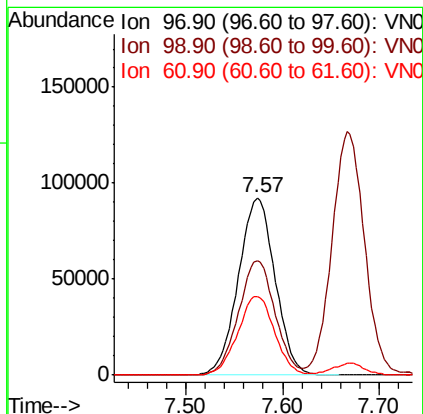
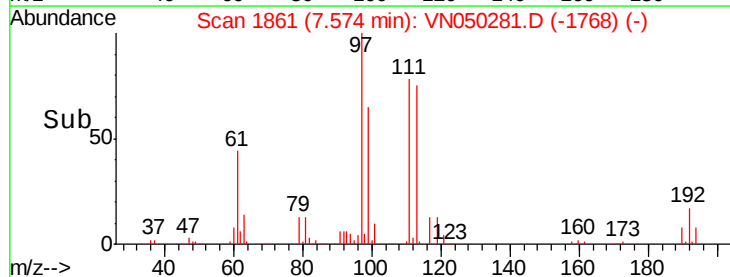


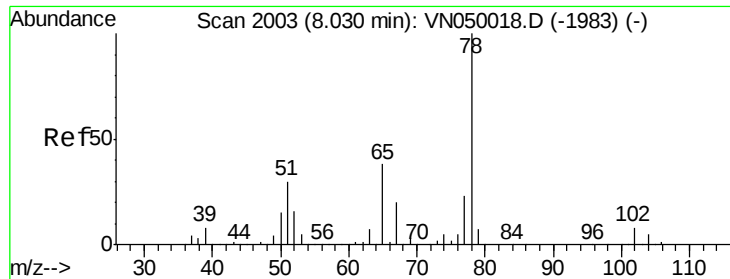
#32
1,1,1-Trichloroethane
Concen: 20.49 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion: 97 Resp: 244190
Ion Ratio Lower Upper
97 100
99 64.5 51.4 77.0
61 44.5 35.4 53.0



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

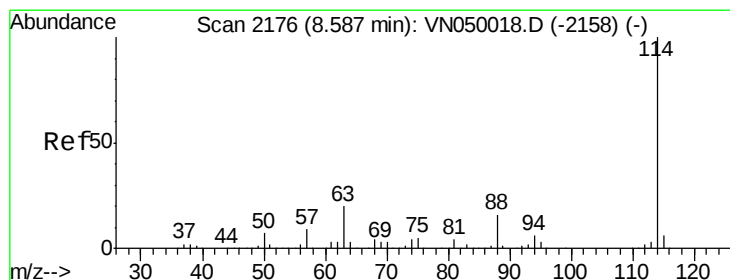
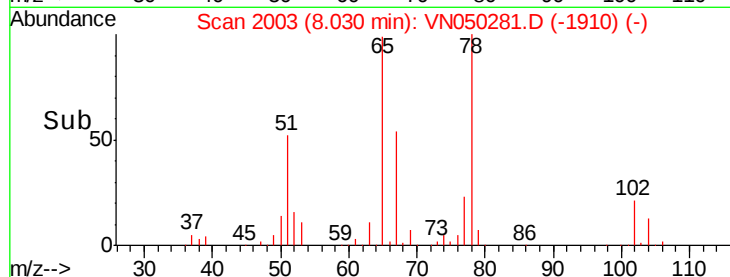
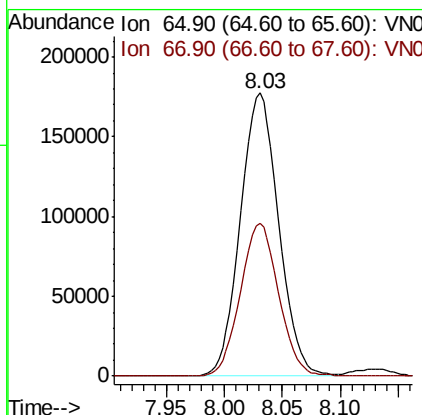
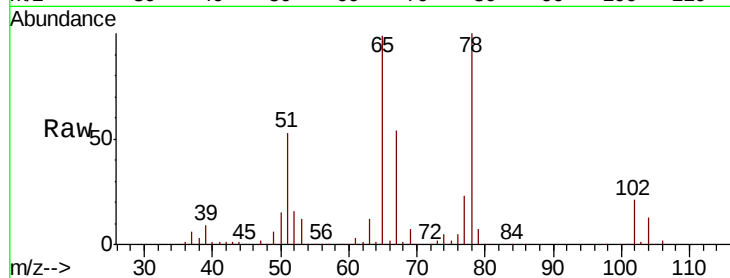




#33
 1,2-Dichloroethane-d4
 Concen: 49.81 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

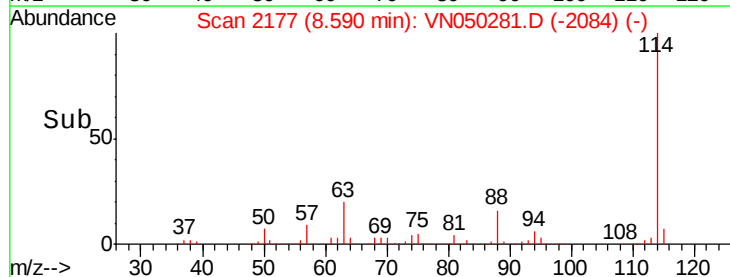
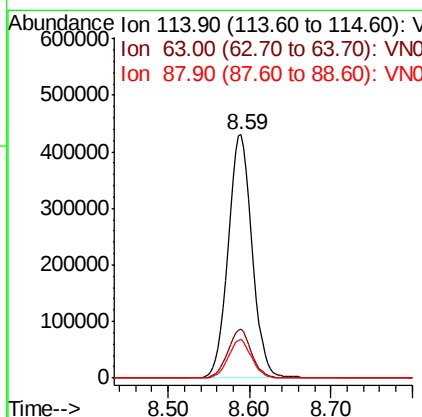
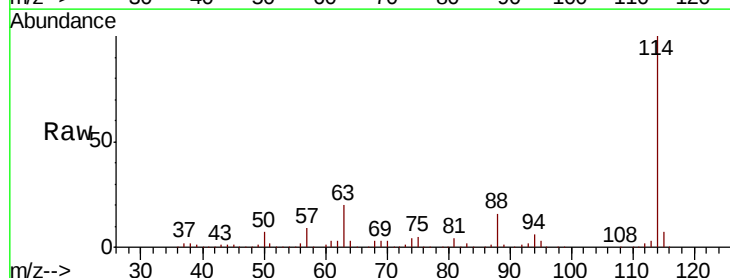
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

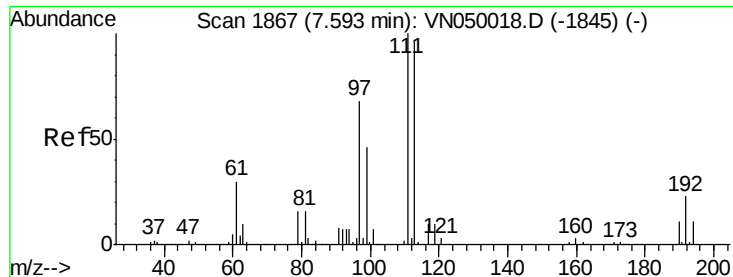
Tot Ion: 65 Resp: 409427
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Tgt Ion: 114 Resp: 892295
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.7 0.0 31.2

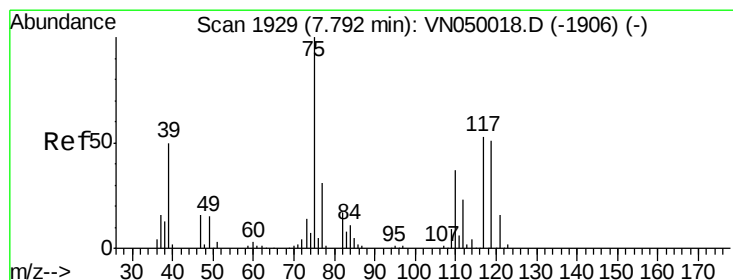
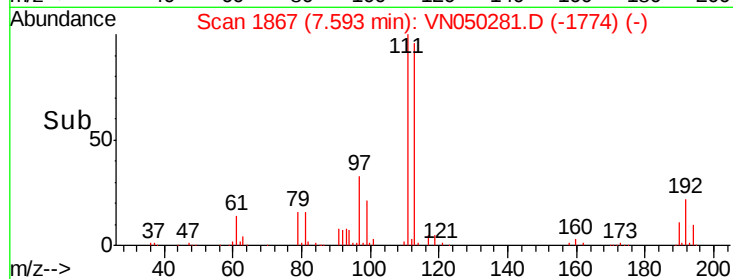
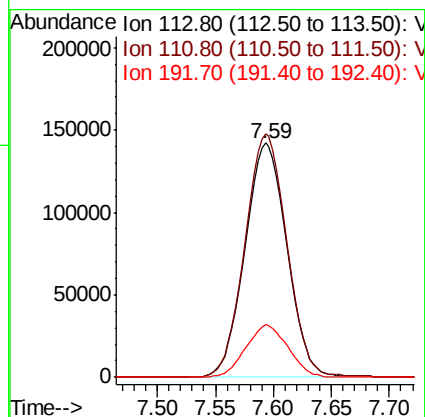
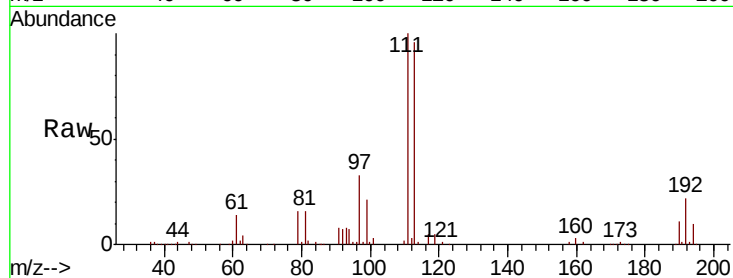




#35
 Dibromofluoromethane
 Concen: 49.10 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

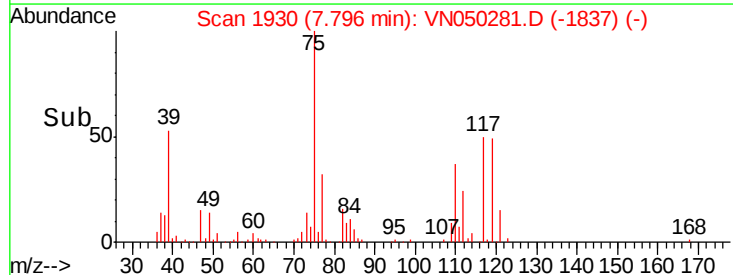
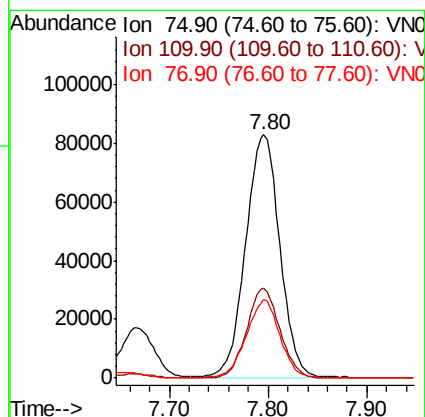
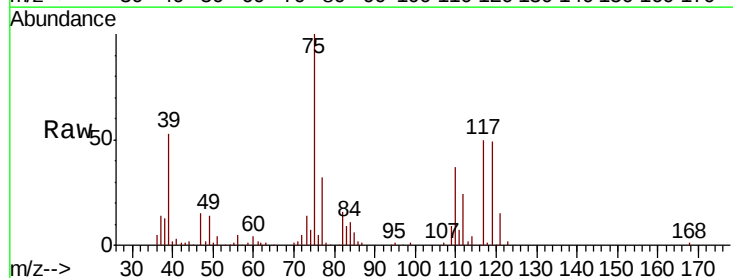
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

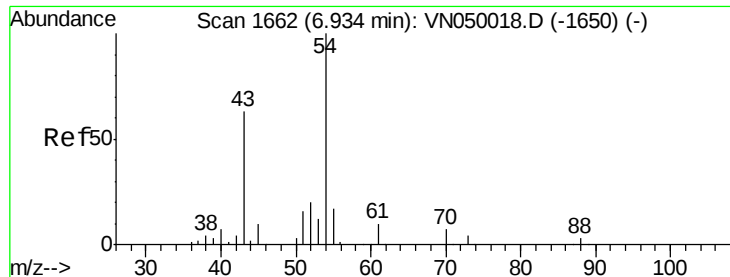
Tot Ion:113 Resp: 357719
 Ion Ratio Lower Upper
 113 100
 111 104.3 80.7 121.1
 192 22.6 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 19.67 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Tgt Ion: 75 Resp: 197730
 Ion Ratio Lower Upper
 75 100
 110 36.0 18.4 55.2
 77 32.1 25.3 37.9

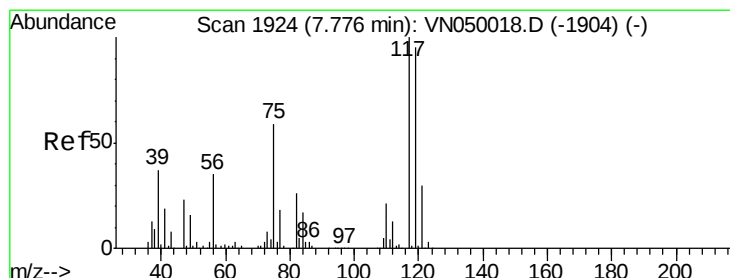
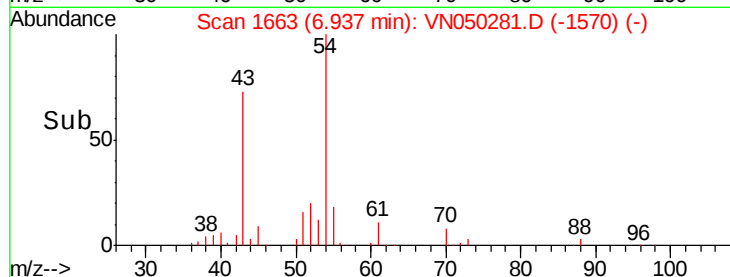
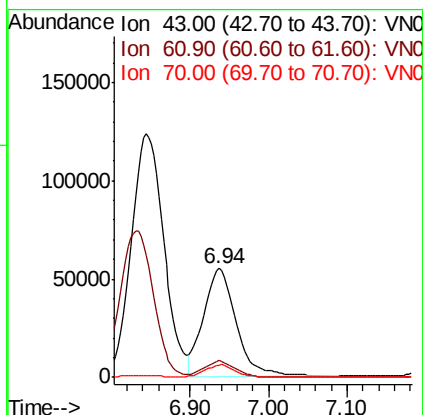
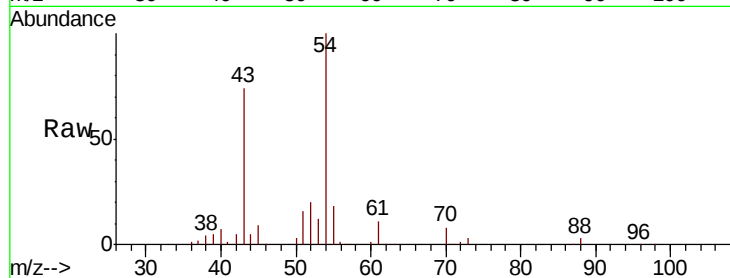




#37
Ethyl Acetate
Concen: 22.47 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

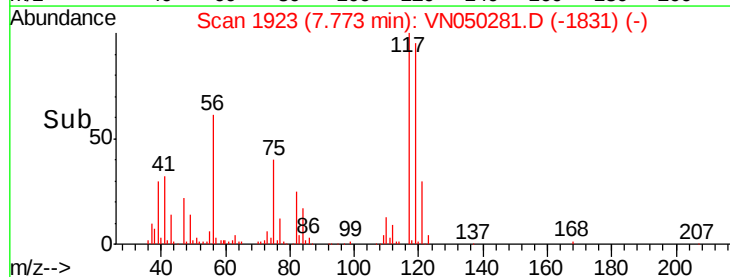
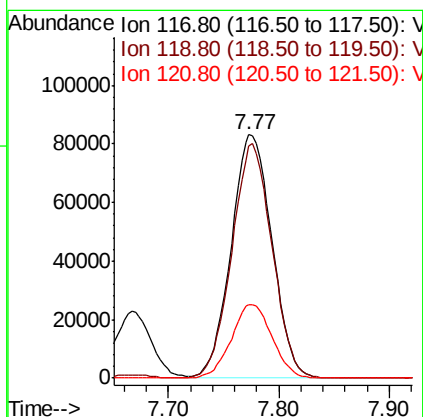
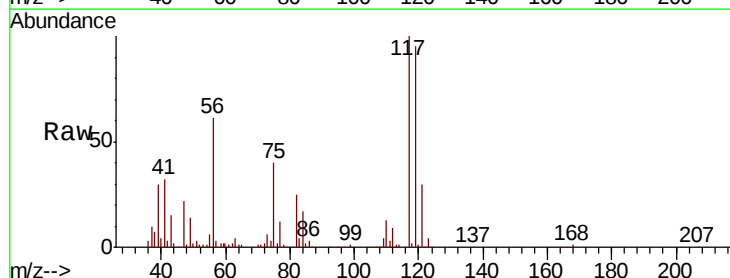
Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS02

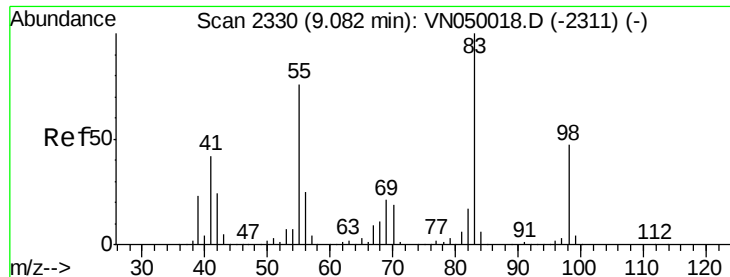
Tot Ion: 43 Resp: 157488
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.8
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.02 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion: 117 Resp: 213602
Ion Ratio Lower Upper
117 100
119 95.4 77.4 116.0
121 30.3 23.9 35.9

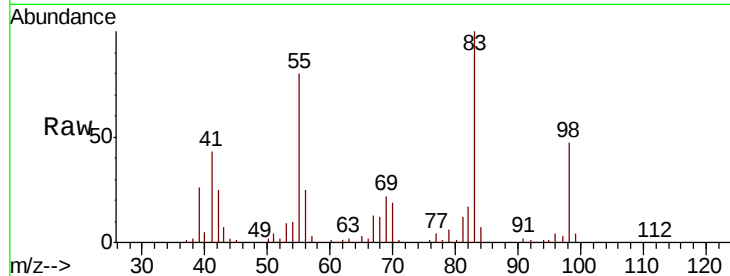




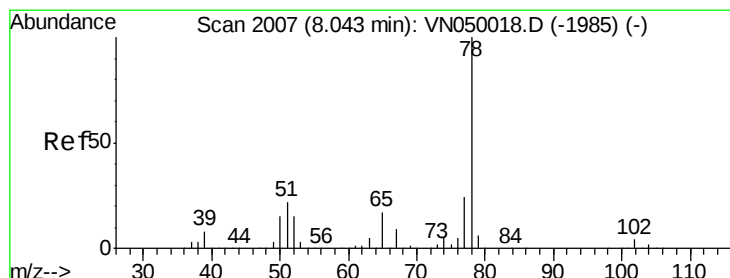
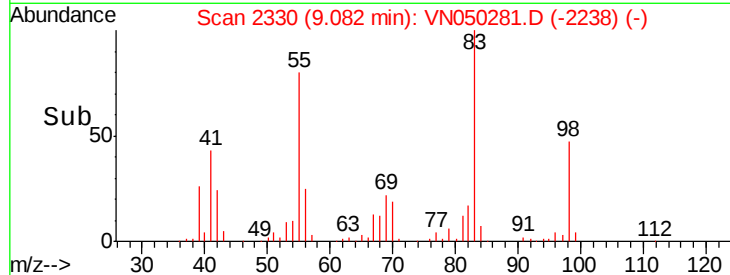
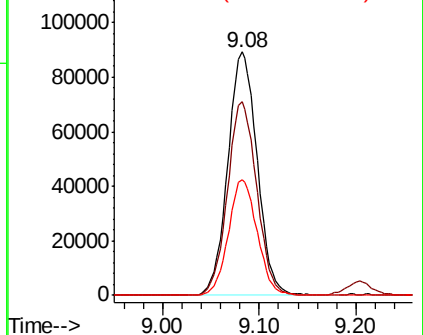
#39
Methvlcvclohexane
Concen: 18.18 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS02

Tot Ion: 83 Resp: 187967
Ion Ratio Lower Upper
83 100
55 79.7 61.8 92.8
98 47.3 36.5 54.7

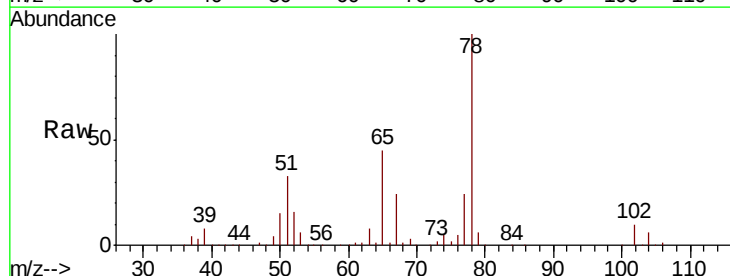


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

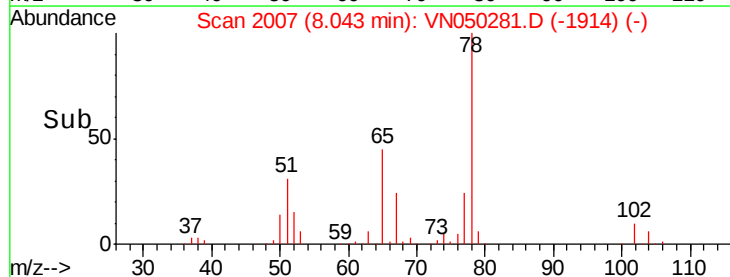
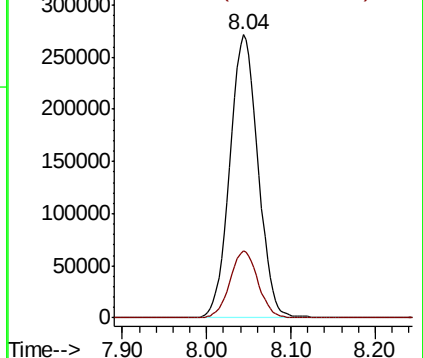


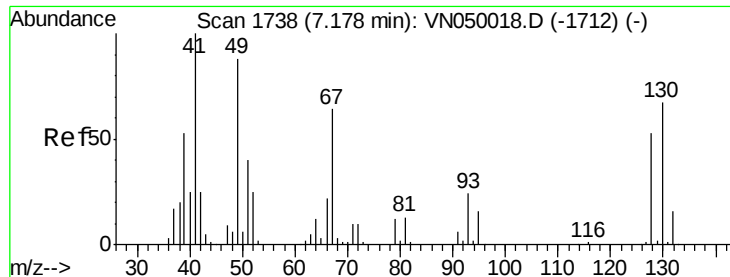
#40
Benzene
Concen: 20.64 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion: 78 Resp: 631243
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1



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

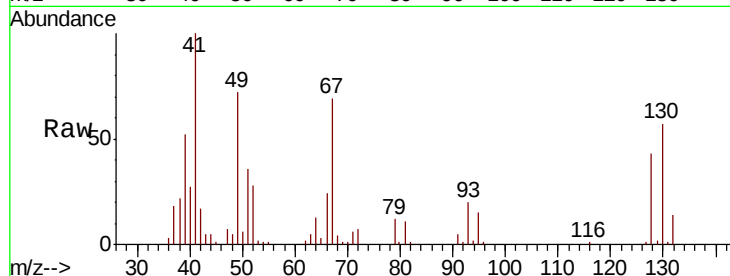




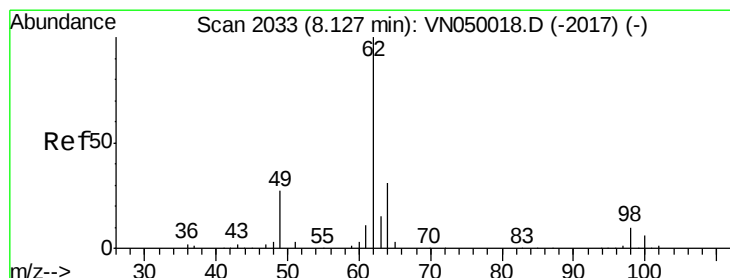
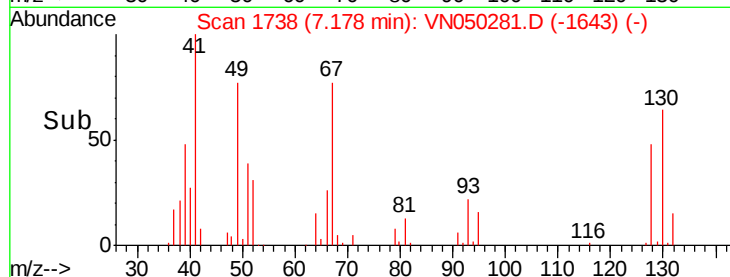
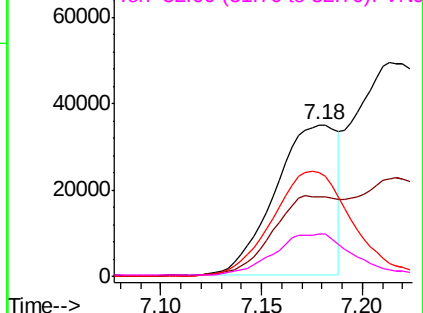
#41
Methacrylonitrile
Concen: 22.11 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampled :
VN0802WBS02

Tot Ion: 41 Resp: 74774
Ion Ratio Lower Upper
41 100
39 54.5 55.8 83.6#
67 89.5 84.3 126.5
52 38.6 34.2 51.2

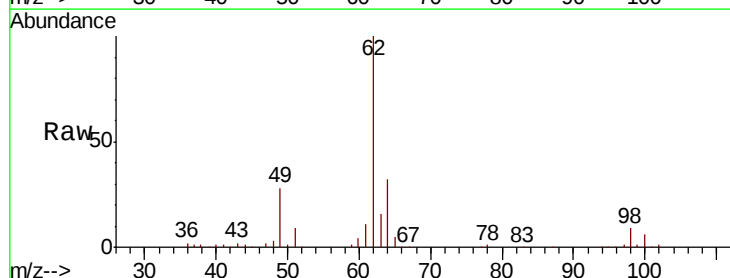


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

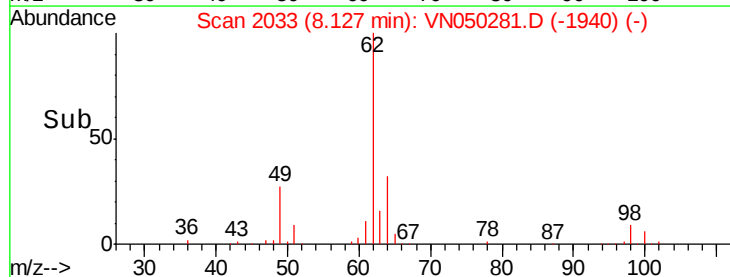
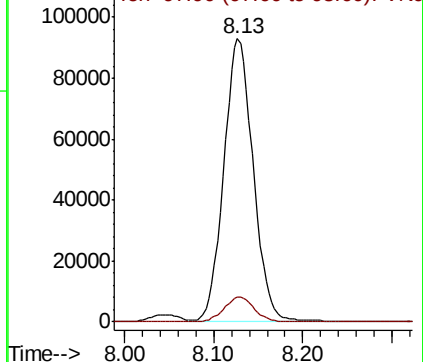


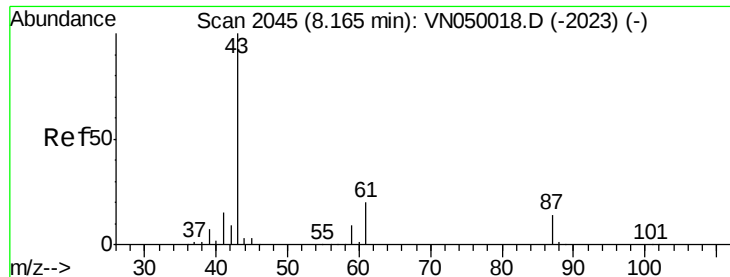
#42
1,2-Dichloroethane
Concen: 20.67 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion: 62 Resp: 210957
Ion Ratio Lower Upper
62 100
98 9.0 0.0 18.8



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





#43

Isopropyl Acetate

Concen: 23.20 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS02

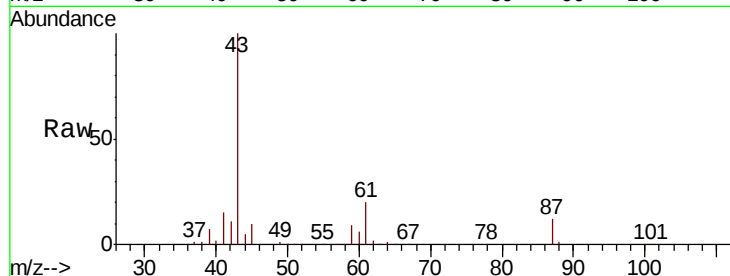
Tot Ion: 43 Resp: 314462

Ion Ratio Lower Upper

43 100

61 24.7 15.8 23.6#

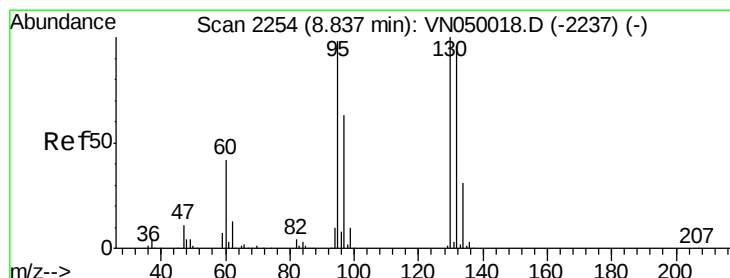
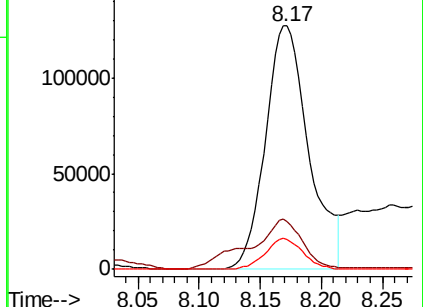
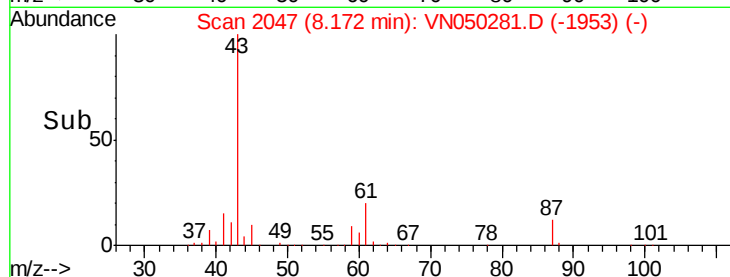
87 11.2 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050281.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN050281.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN050281.D (-1953) (-)



#44

Trichloroethene

Concen: 19.96 ug/l

RT: 8.84 min Scan# 2255

Delta R.T. 0.00 min

Lab File: VN050281.D

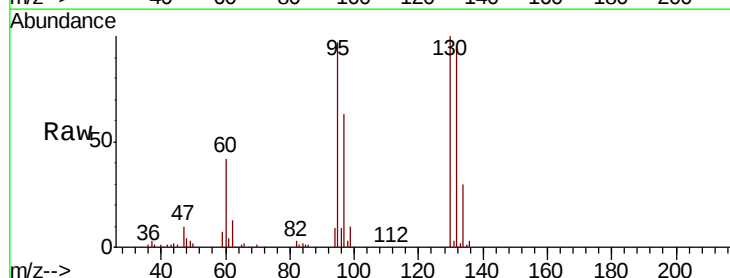
Acq: 2 Aug 2018 23:14

Tgt Ion:130 Resp: 164104

Ion Ratio Lower Upper

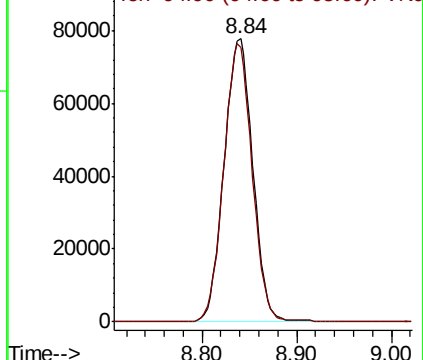
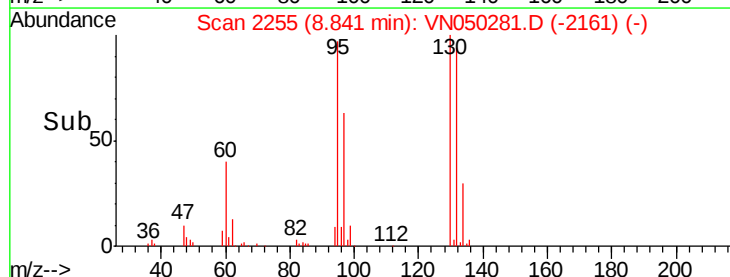
130 100

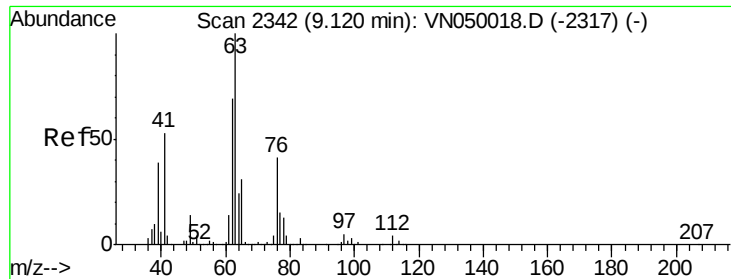
95 96.8 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050281.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN050281.D (-2161) (-)

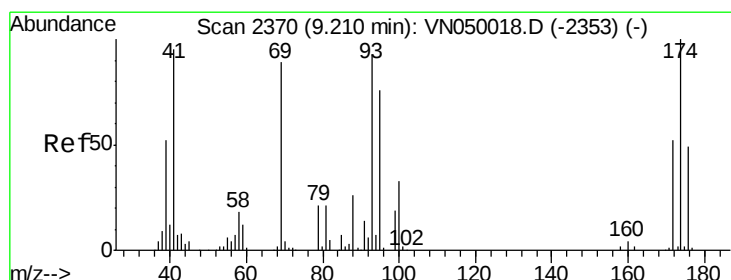
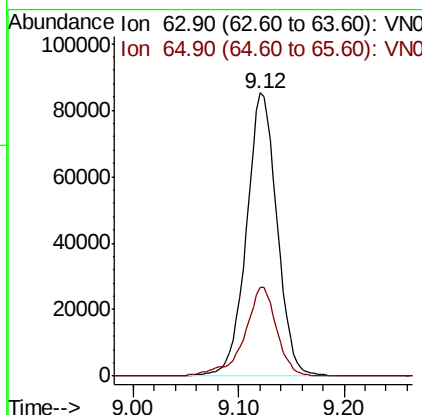
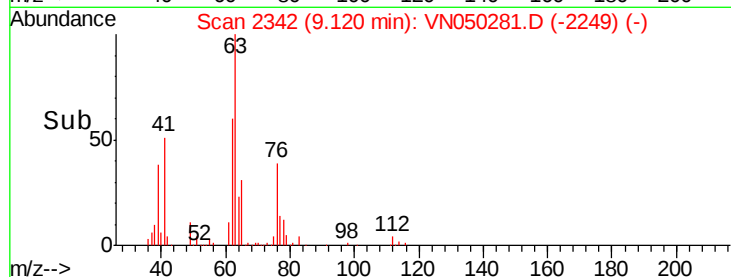
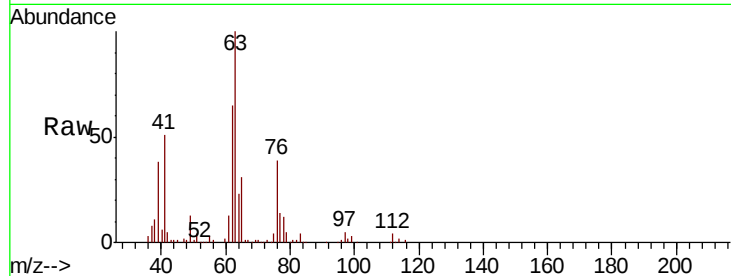




#45
 1,2-Dichloropropane
 Concen: 21.27 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

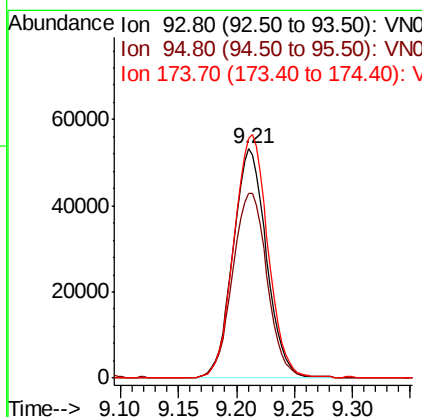
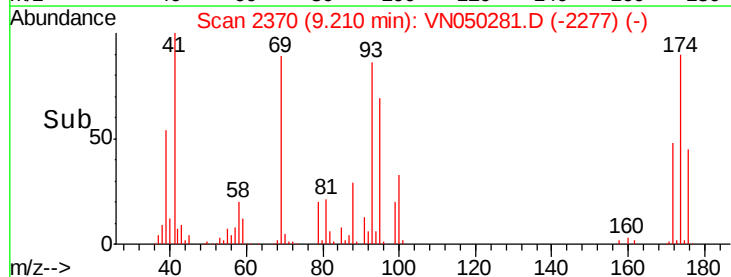
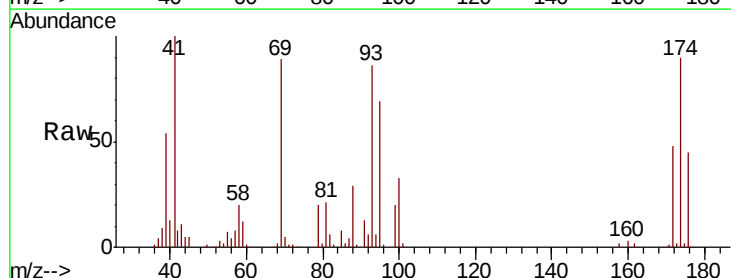
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

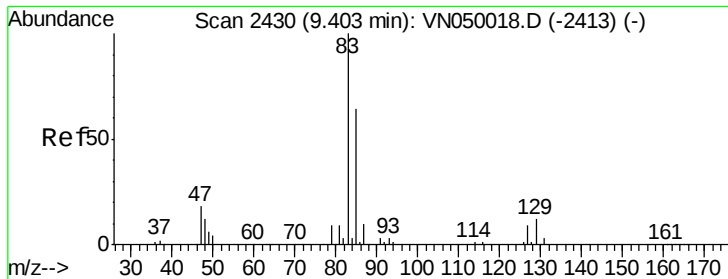
Tot Ion: 63 Resp: 172379
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.5 38.3



#46
 Dibromomethane
 Concen: 21.22 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Tgt Ion: 93 Resp: 106738
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.6 100.0
 174 108.1 87.1 130.7





#47

Bromodichloromethane

Concen: 20.80 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampled :

VN0802WBS02

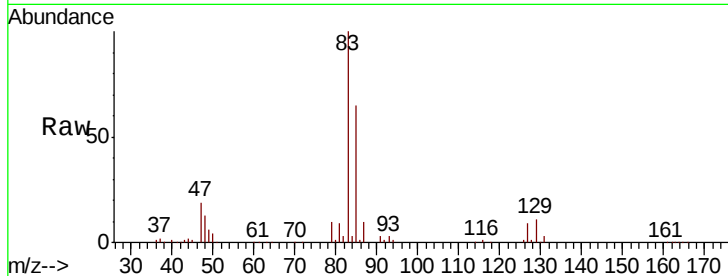
Tot Ion: 83 Resp: 220836

Ion Ratio Lower Upper

83 100

85 65.0 51.1 76.7

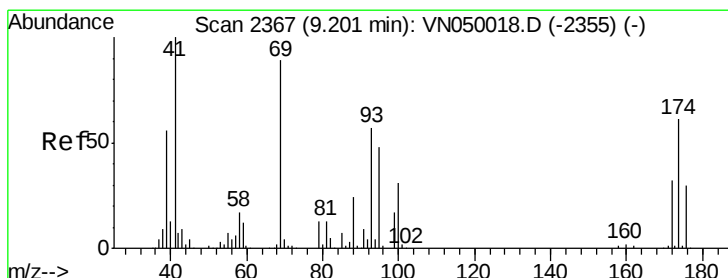
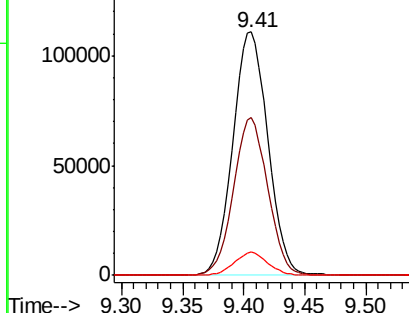
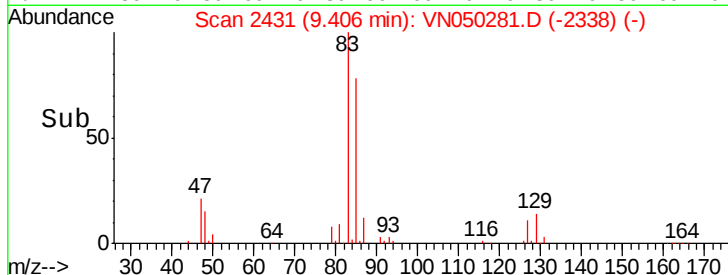
127 9.4 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 22.22 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

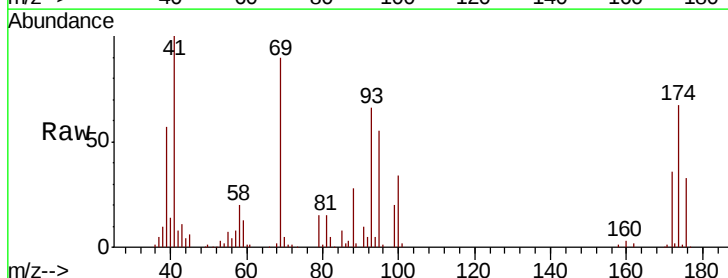
Tgt Ion: 41 Resp: 134111

Ion Ratio Lower Upper

41 100

69 87.9 70.6 105.8

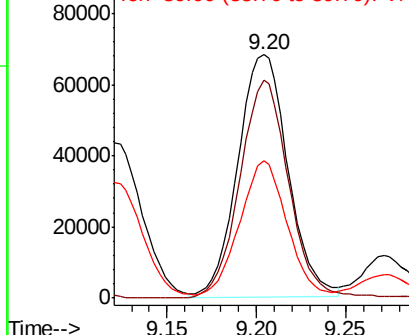
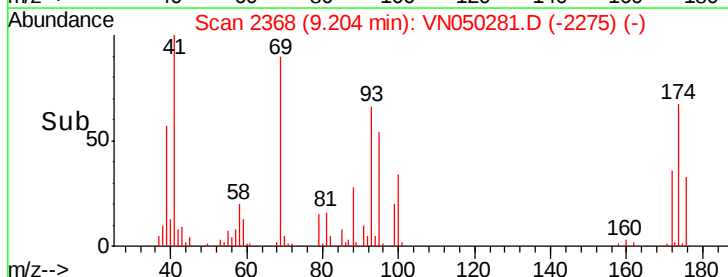
39 53.5 43.9 65.9

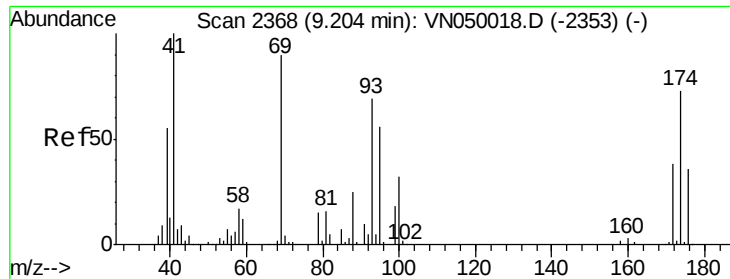


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 495.20 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

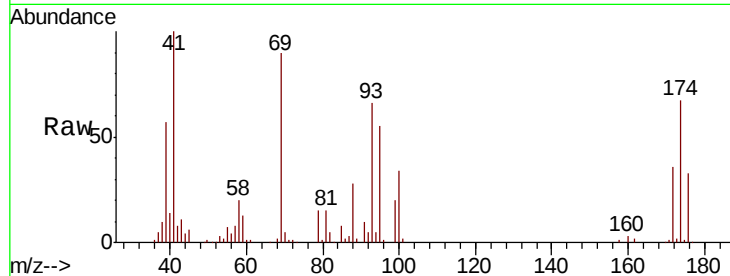
Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS02

Tot Ion: 88 Resp: 40680

Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.9	40.3
58	68.7	57.3	85.9

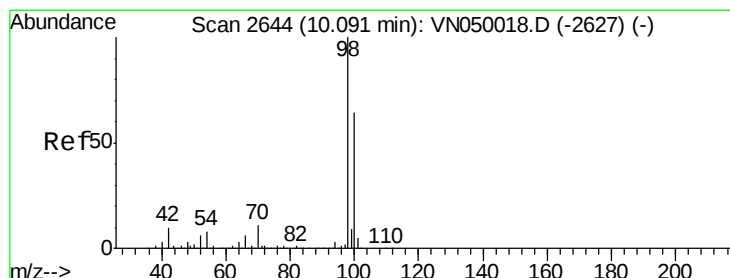
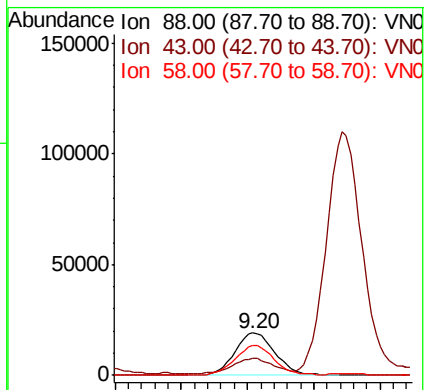
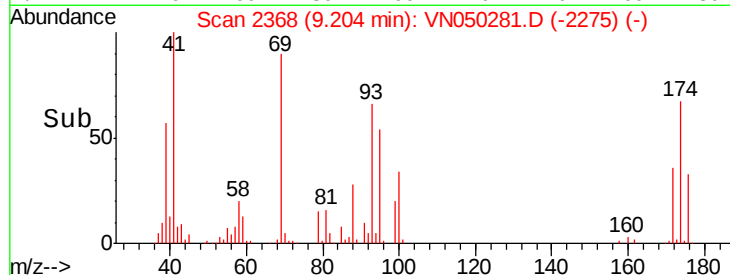


Abundance

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: 48.89 ug/l

RT: 10.09 min Scan# 2644

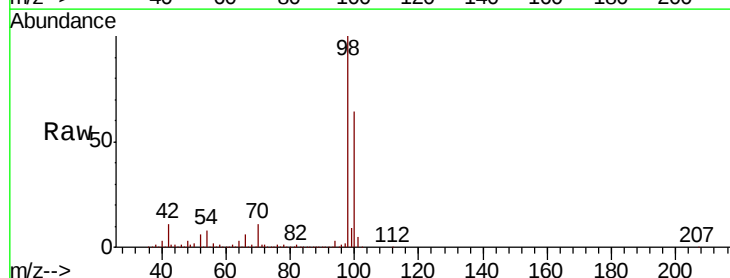
Delta R.T. -0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Tgt Ion: 98 Resp: 1309351

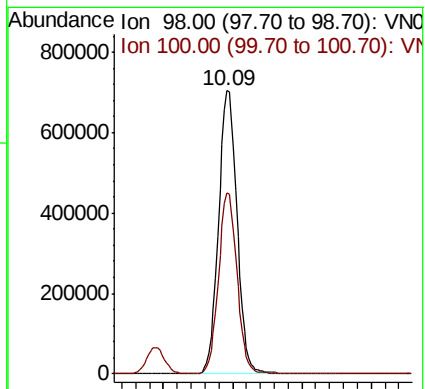
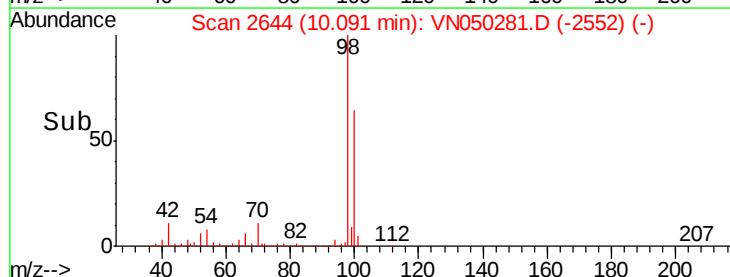
Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.7	76.1

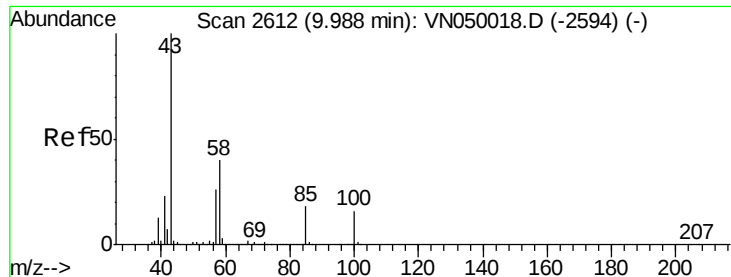


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 117.92 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

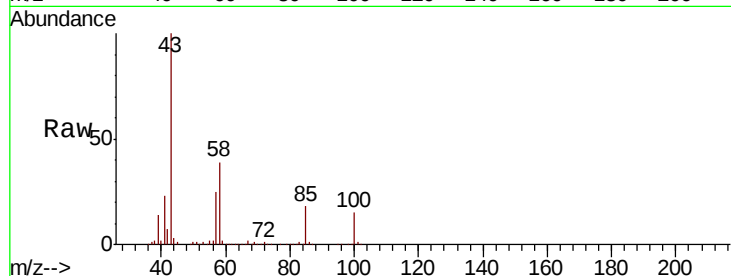
VN0802WBS02

Tot Ion: 43 Resp: 812470

Ion Ratio Lower Upper

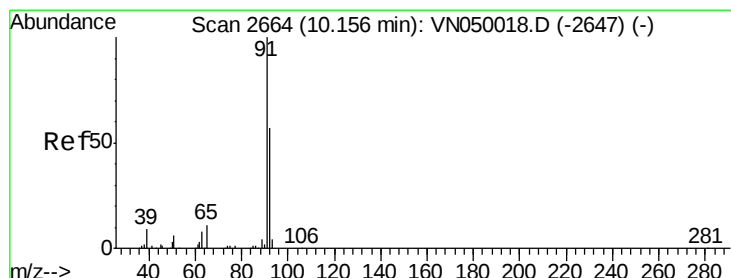
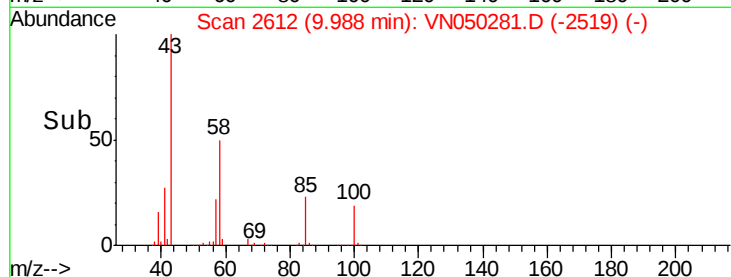
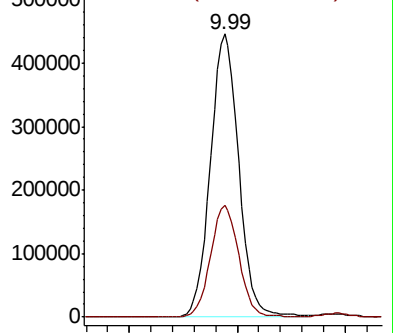
43 100

58 39.8 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 21.20 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050281.D

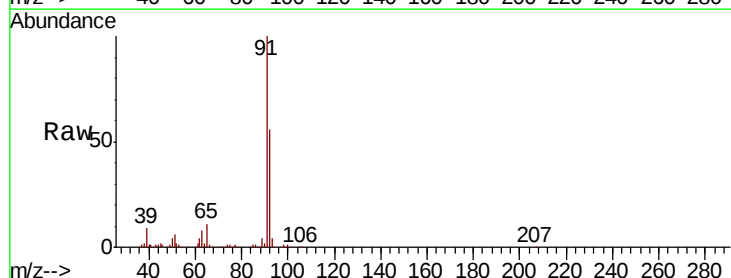
Acq: 2 Aug 2018 23:14

Tgt Ion: 92 Resp: 382818

Ion Ratio Lower Upper

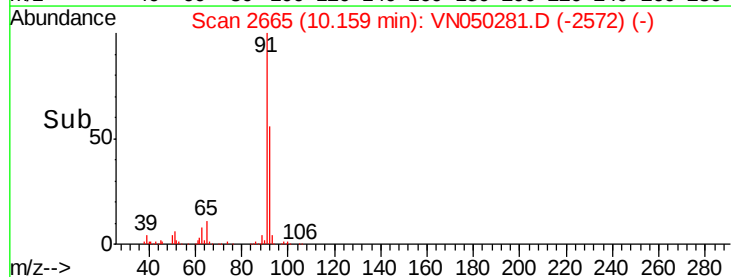
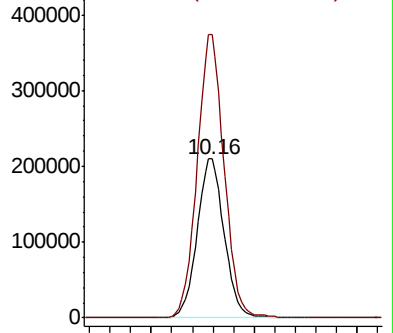
92 100

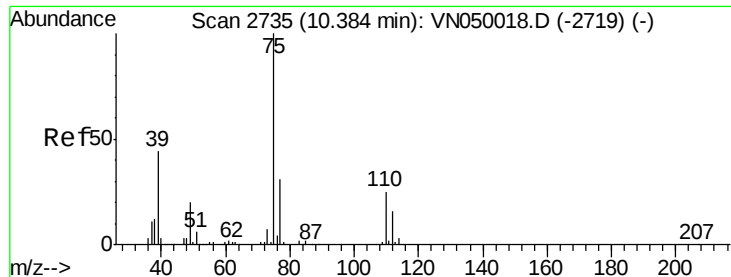
91 177.6 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 20.24 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

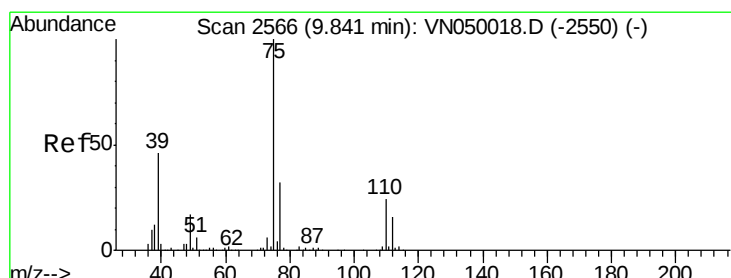
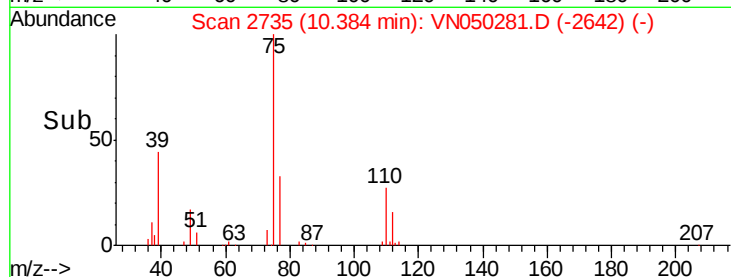
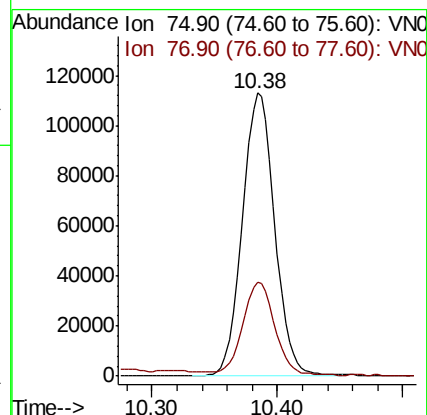
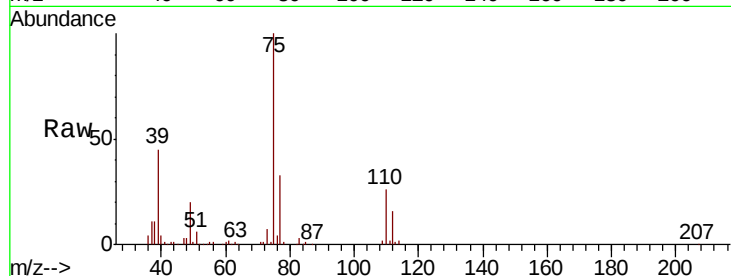
VN0802WBS02

Tot Ion: 75 Resp: 202756

Ion Ratio Lower Upper

75 100

77 32.9 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.80 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

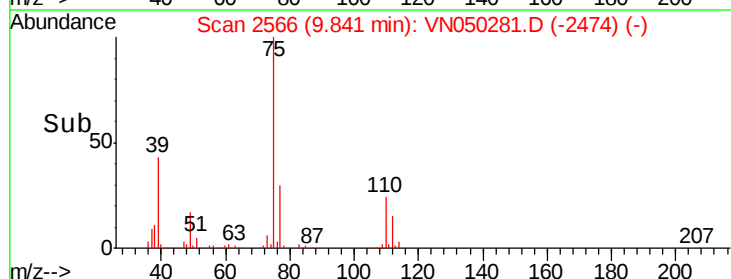
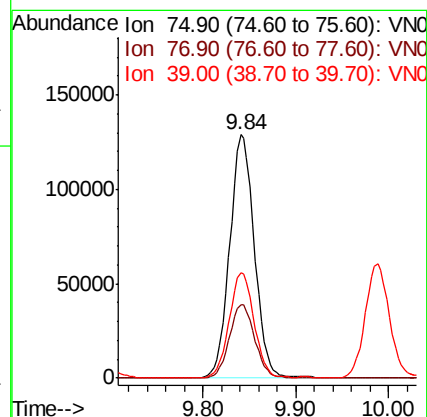
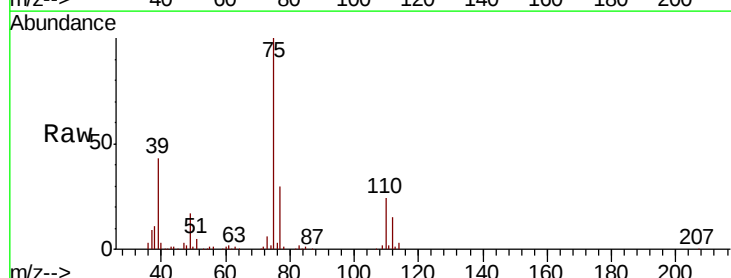
Tgt Ion: 75 Resp: 238218

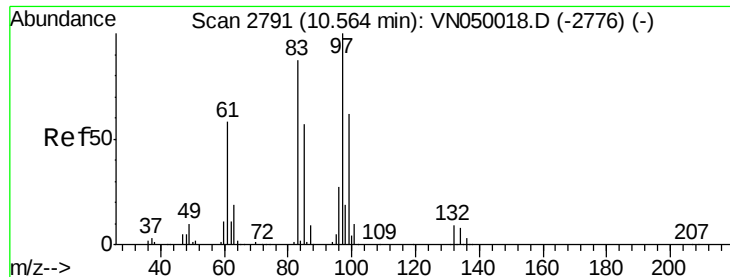
Ion Ratio Lower Upper

75 100

77 30.2 25.5 38.3

39 43.4 36.6 55.0

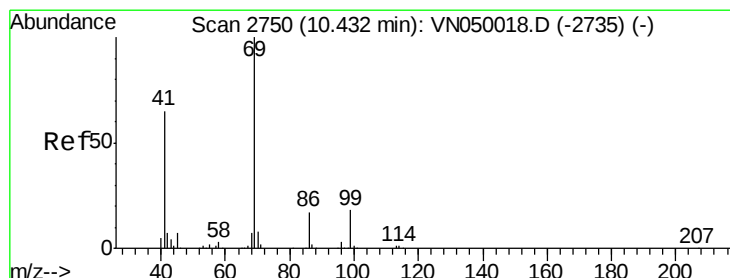
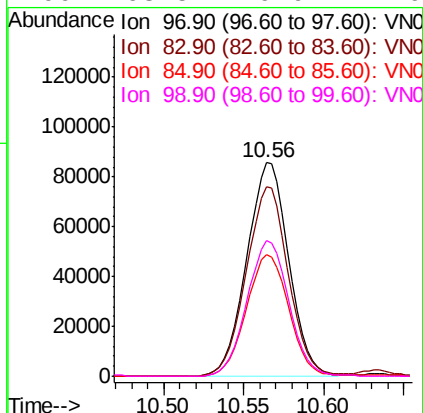
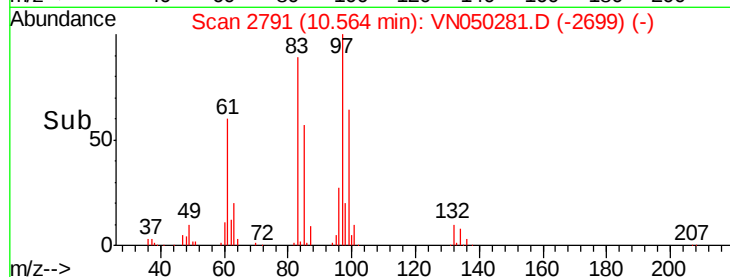
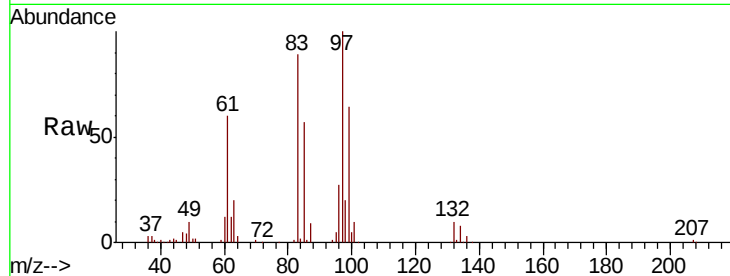




#55
 1,1,2-Trichloroethane
 Concen: 21.44 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

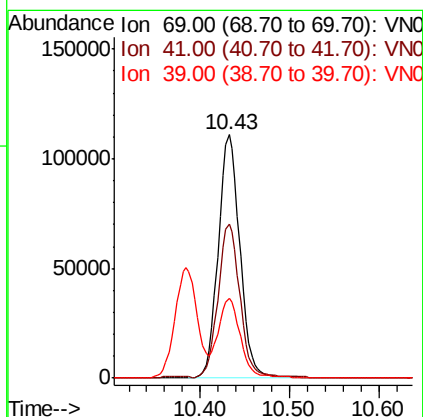
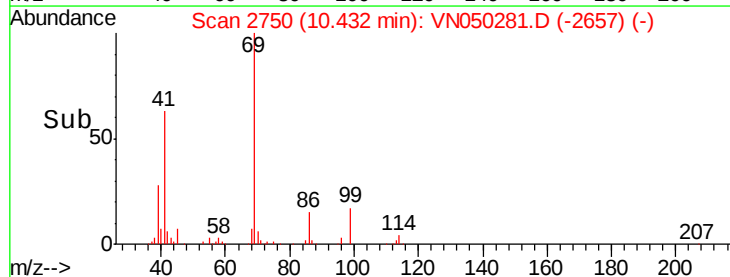
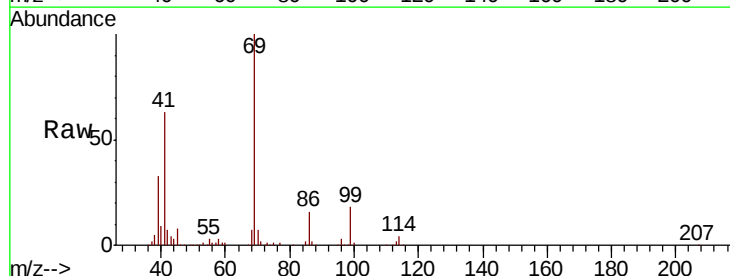
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

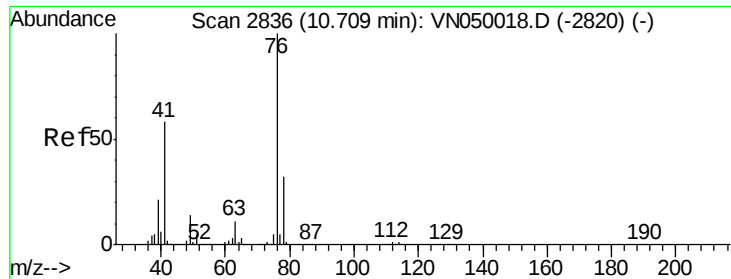
Tot Ion: 97 Resp: 153530
 Ion Ratio Lower Upper
 97 100
 83 89.0 69.2 103.8
 85 57.0 44.0 66.0
 99 63.5 49.9 74.9



#56
 Ethyl methacrylate
 Concen: 20.48 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Tgt Ion: 69 Resp: 186603
 Ion Ratio Lower Upper
 69 100
 41 63.9 51.0 76.4
 39 33.2 26.6 40.0

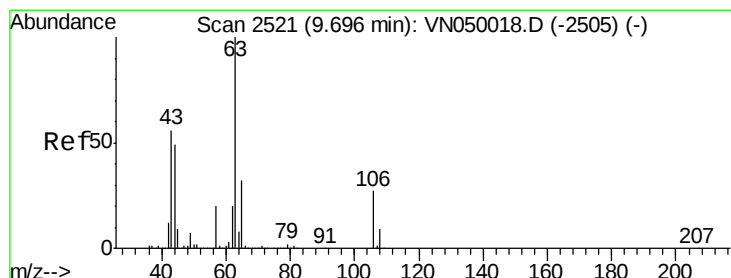
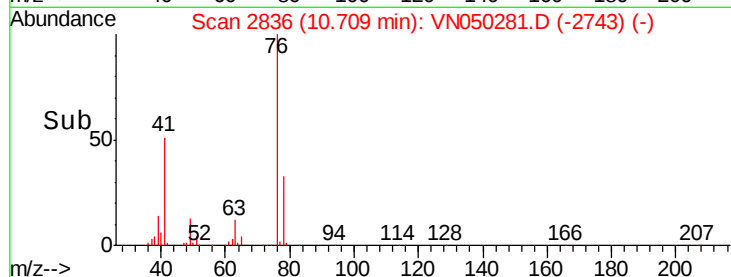
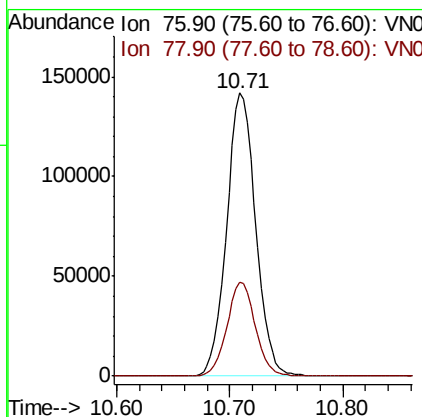
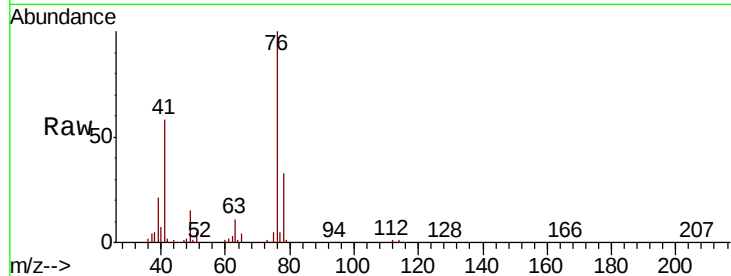




#57
 1,3-Dichloropropane
 Concen: 21.71 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

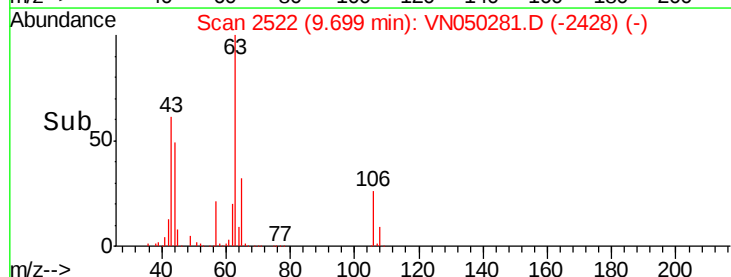
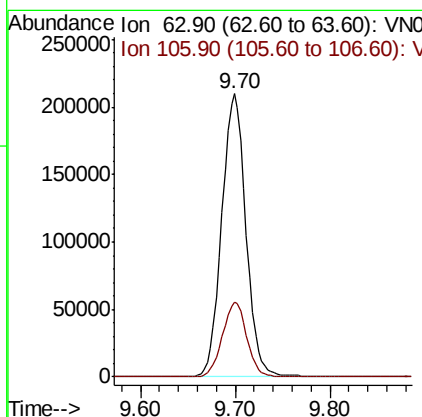
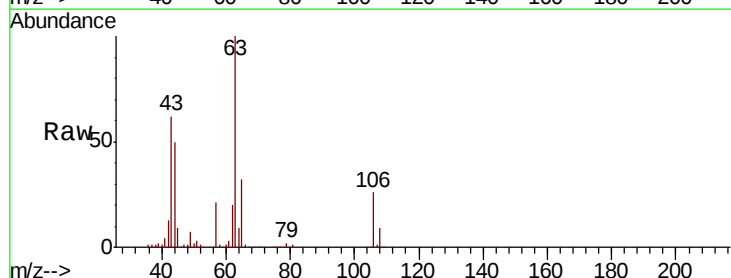
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

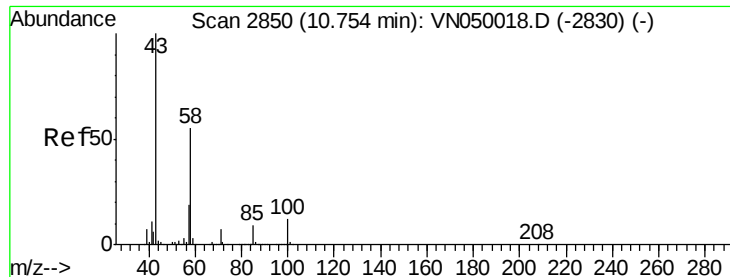
Tot Ion: 76 Resp: 253210
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.07 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Tgt Ion: 63 Resp: 373286
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.7 32.5

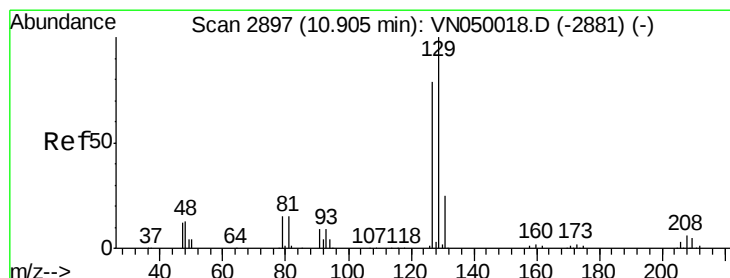
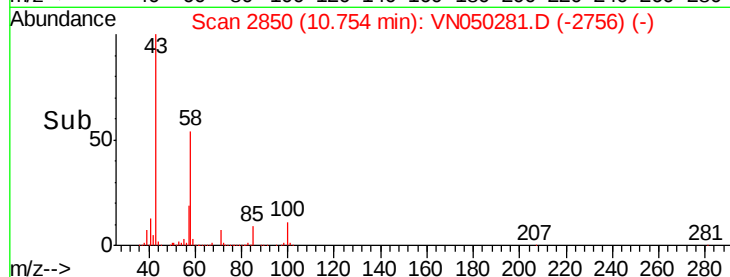
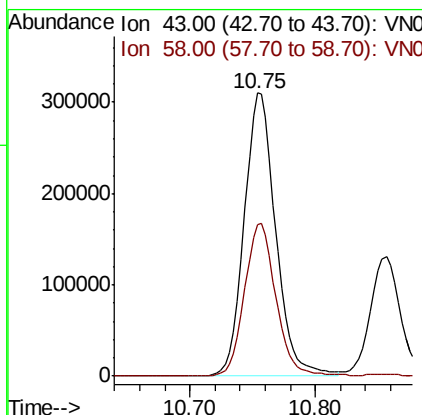
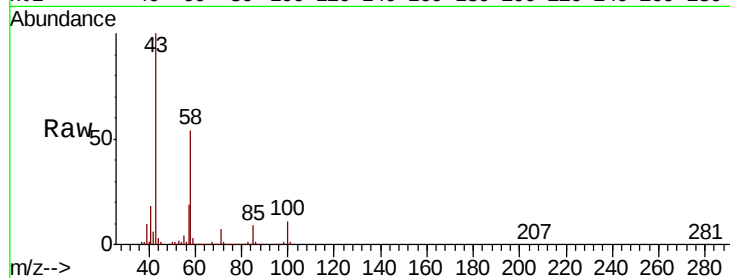




#59
2-Hexanone
Concen: 109.49 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

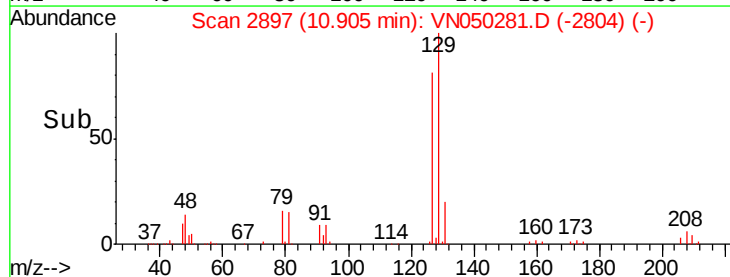
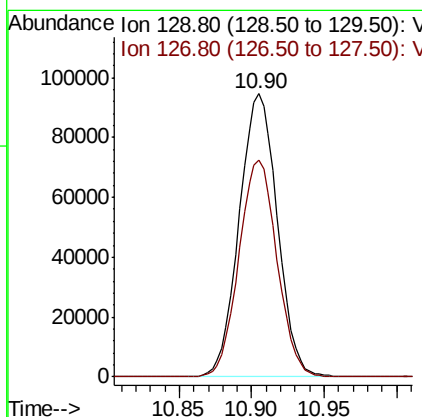
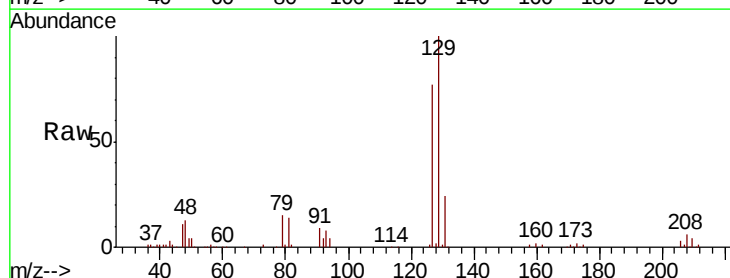
Instrument :
MSVOA_N
ClientSampled :
VN0802WBS02

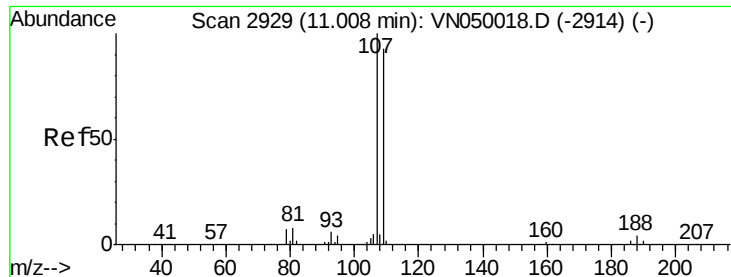
Tot Ion: 43 Resp: 539287
Ion Ratio Lower Upper
43 100
58 54.3 27.6 82.7



#60
Dibromochloromethane
Concen: 21.81 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion: 129 Resp: 172991
Ion Ratio Lower Upper
129 100
127 76.5 38.0 113.9





#61

1,2-Dibromoethane

Concen: 21.15 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

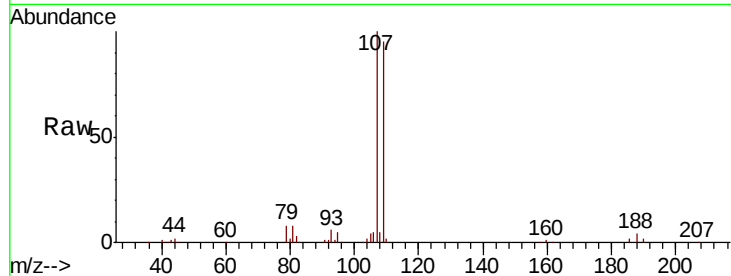
VN0802WBS02

Tot Ion:107 Resp: 150333

Ion Ratio Lower Upper

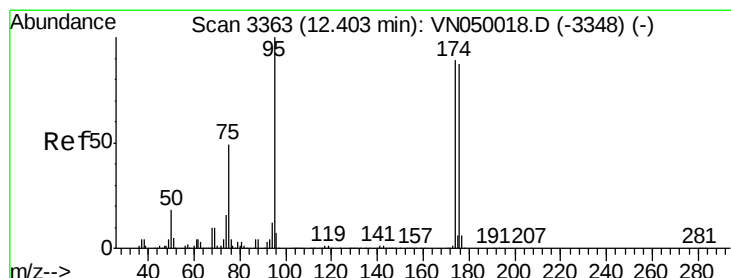
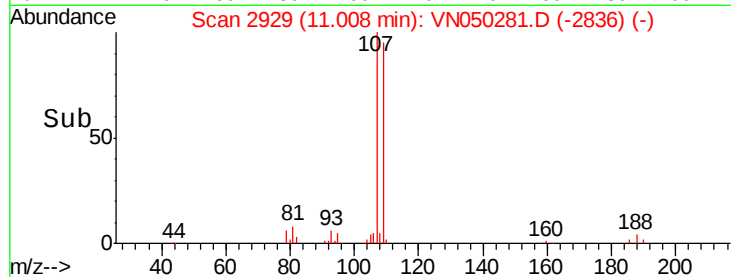
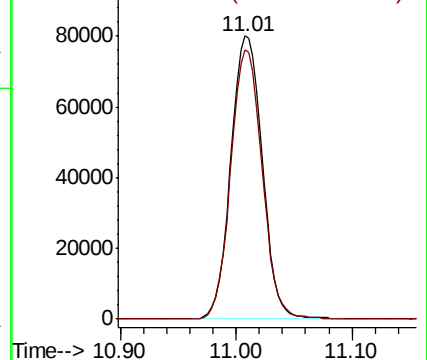
107 100

109 95.0 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.02 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

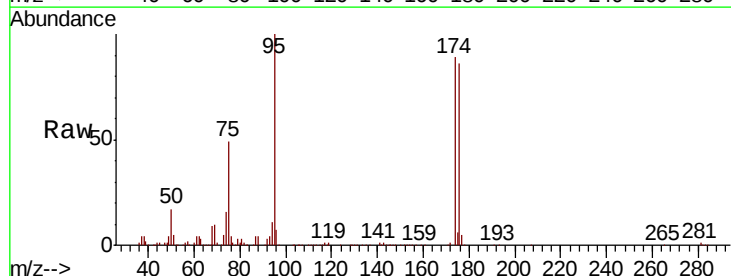
Tgt Ion: 95 Resp: 423521

Ion Ratio Lower Upper

95 100

174 90.1 0.0 178.2

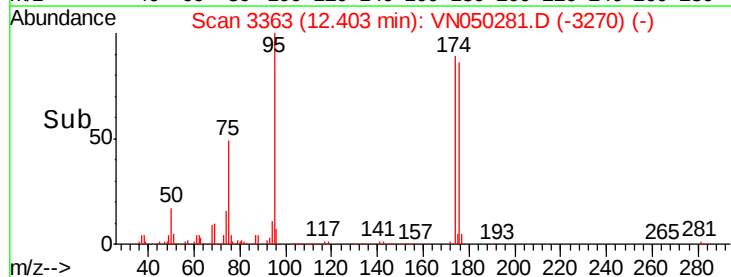
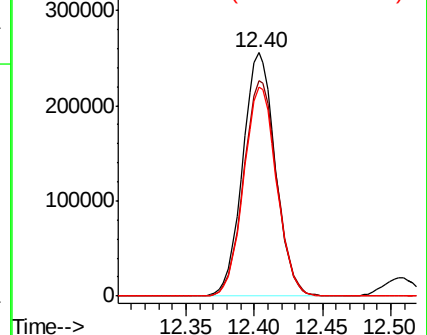
176 86.9 0.0 173.4

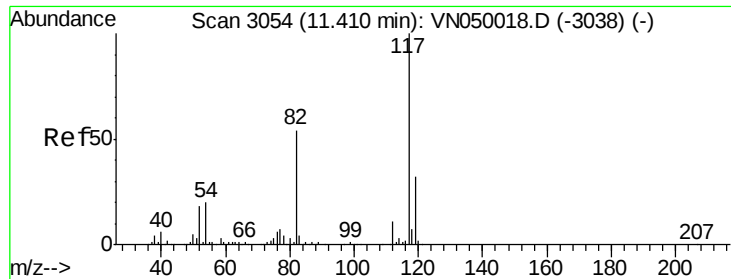


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

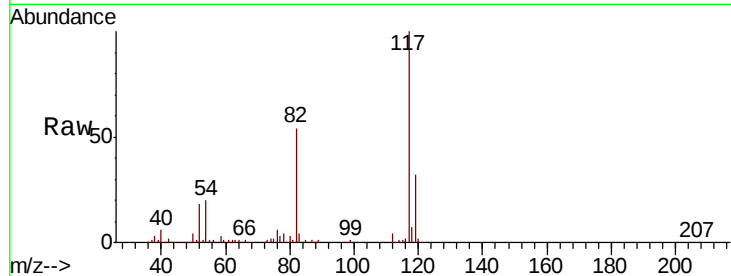




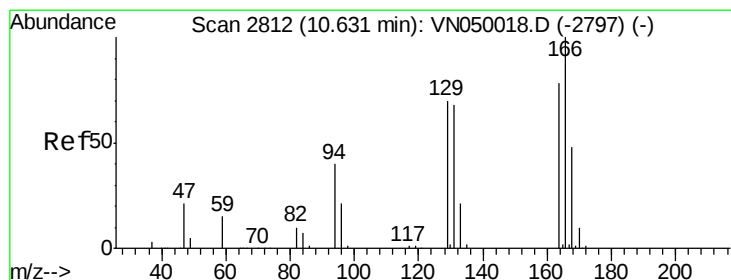
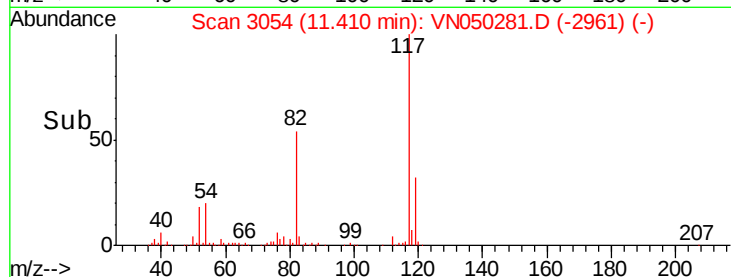
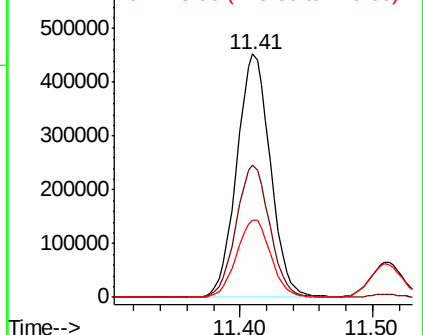
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS02

Tot Ion:117 Resp: 795878
Ion Ratio Lower Upper
117 100
82 54.2 43.7 65.5
119 32.0 26.1 39.1

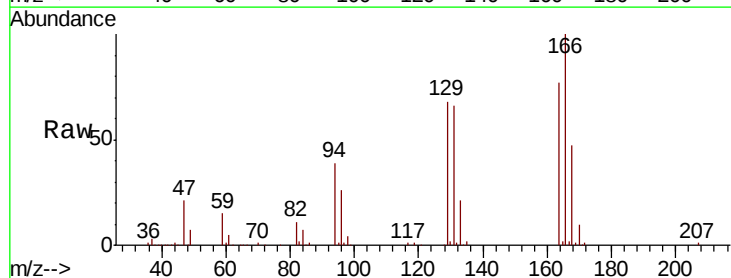


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

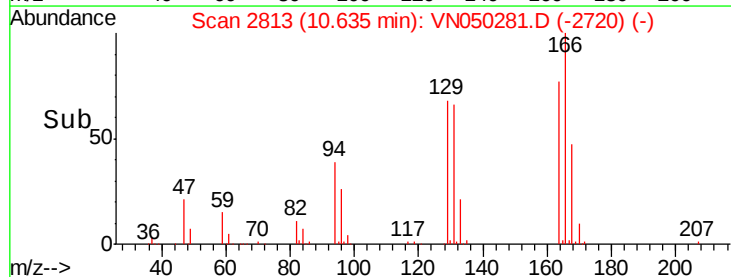
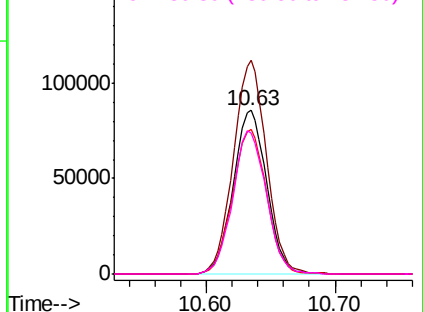


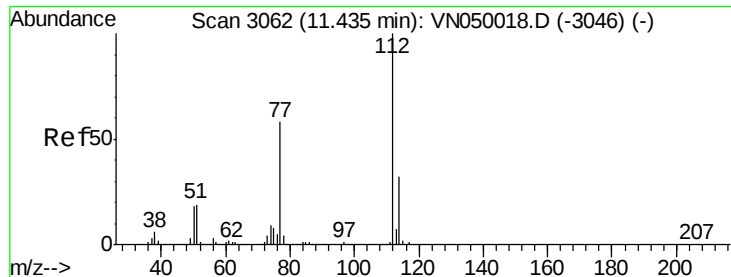
#64
Tetrachloroethene
Concen: 20.23 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion:164 Resp: 154764
Ion Ratio Lower Upper
164 100
166 130.5 102.1 153.1
129 88.3 73.2 109.8
131 86.4 70.6 106.0



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

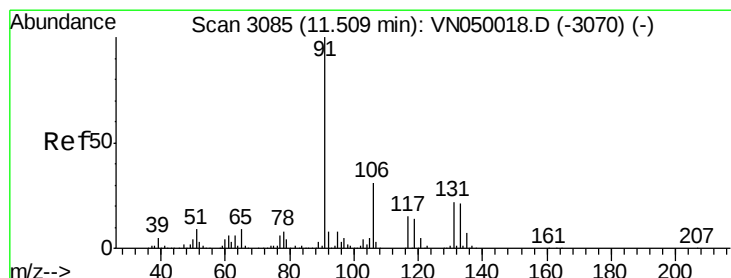
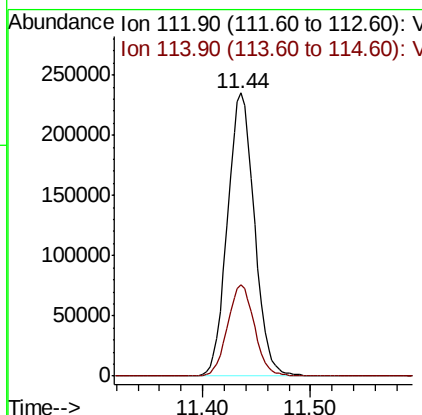
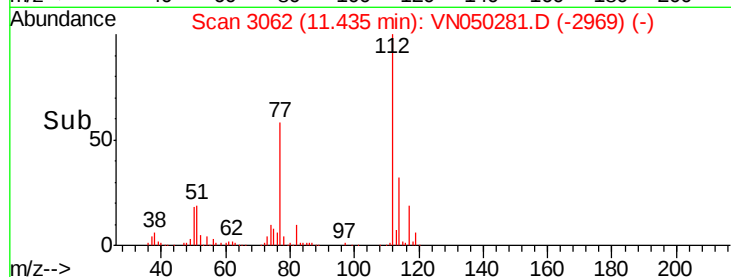
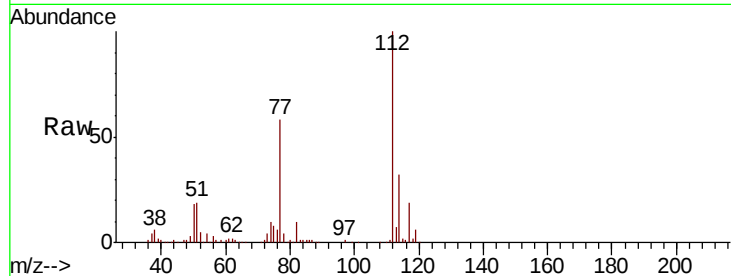




#65
Chlorobenzene
Concen: 20.40 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

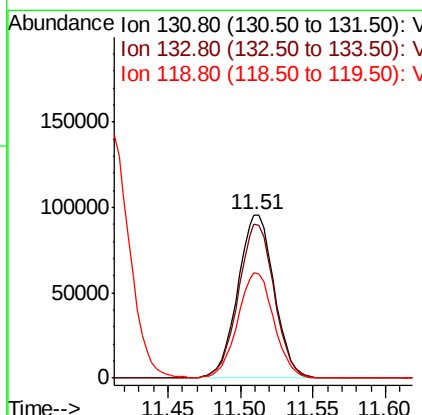
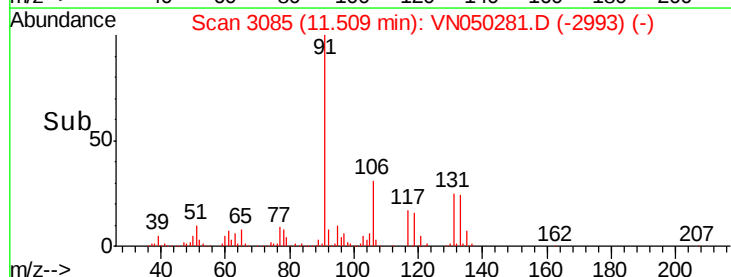
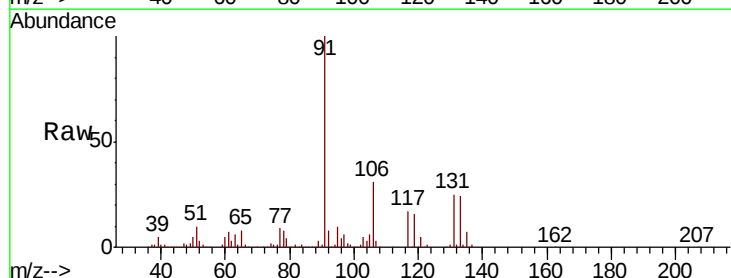
Instrument :
MSVOA_N
ClientSampled :
VN0802WBS02

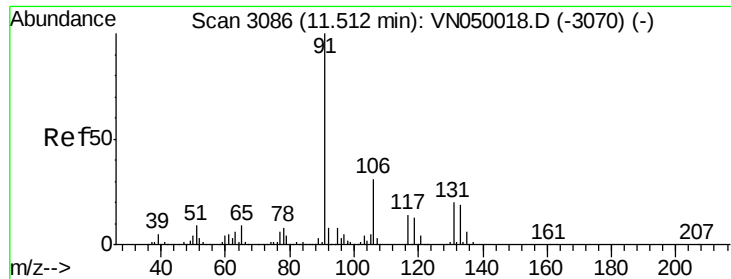
Tot Ion:112 Resp: 410065
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.62 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion:131 Resp: 167038
Ion Ratio Lower Upper
131 100
133 93.1 47.3 141.9
119 64.3 32.9 98.7





#67

Ethyl Benzene

Concen: 21.06 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampled :

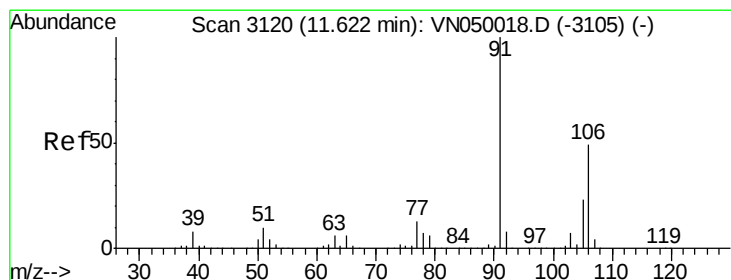
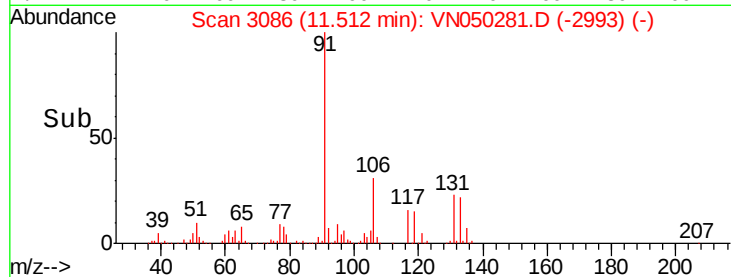
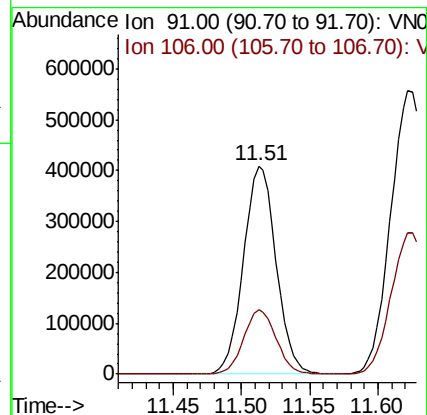
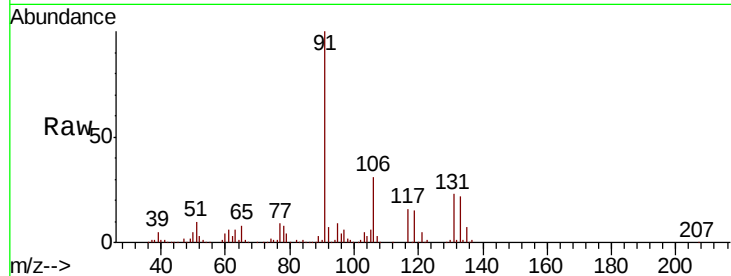
VN0802WBS02

Tot Ion: 91 Resp: 680230

Ion Ratio Lower Upper

91 100

106 30.7 25.0 37.4



#68

m/p-Xylenes

Concen: 43.63 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050281.D

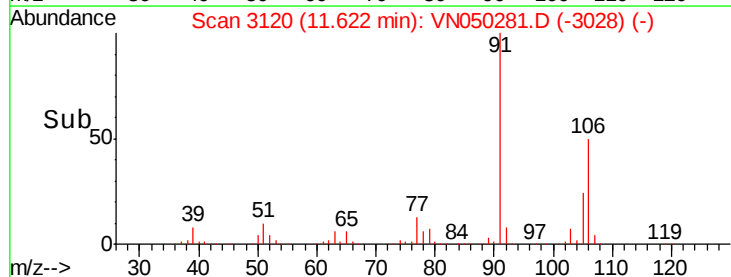
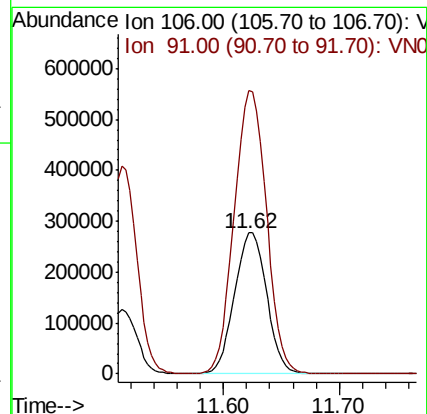
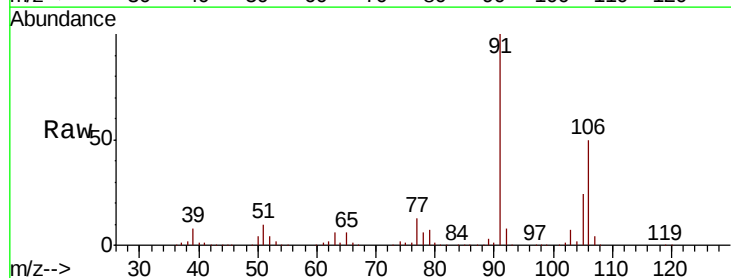
Acq: 2 Aug 2018 23:14

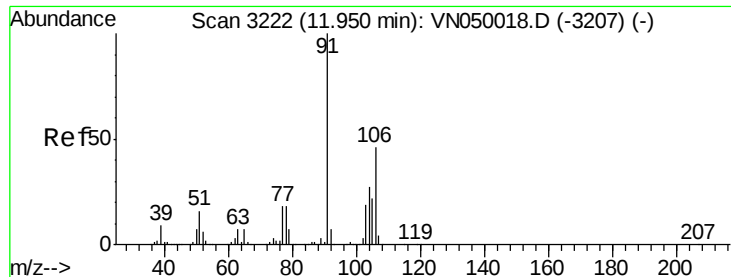
Tgt Ion: 106 Resp: 532936

Ion Ratio Lower Upper

106 100

91 201.2 162.2 243.2

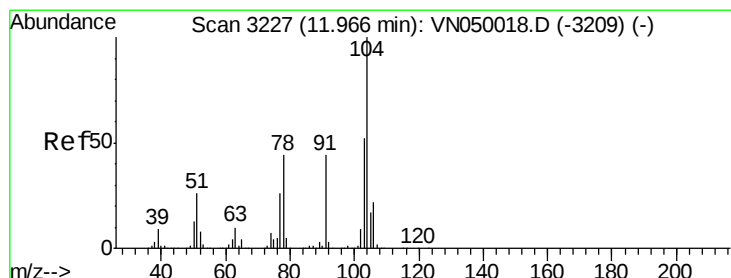
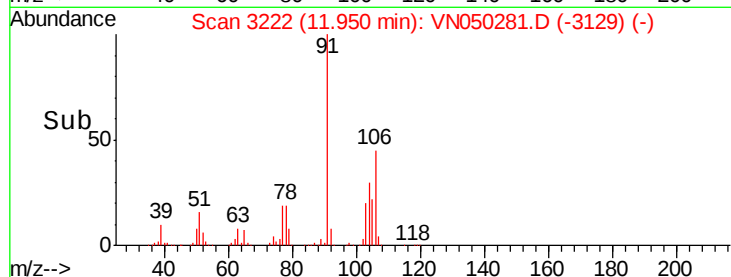
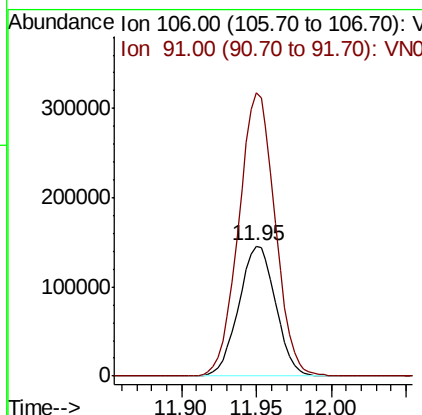
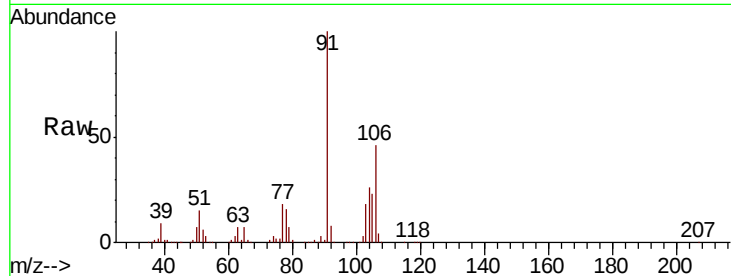




#69
o-Xylene
Concen: 21.52 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

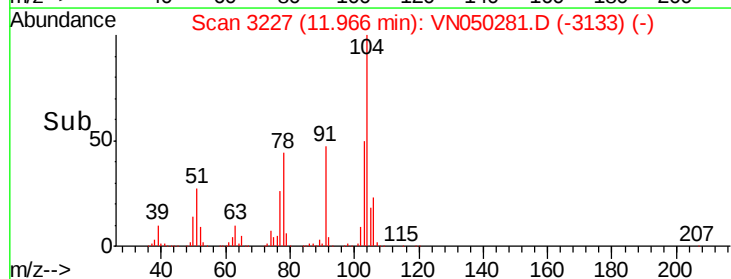
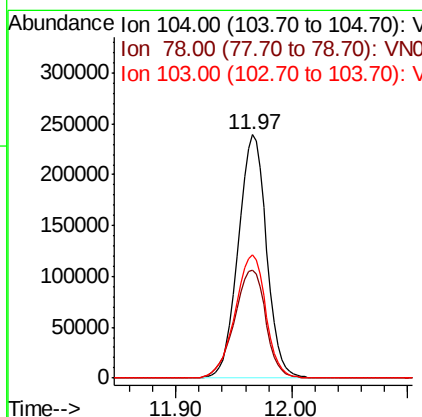
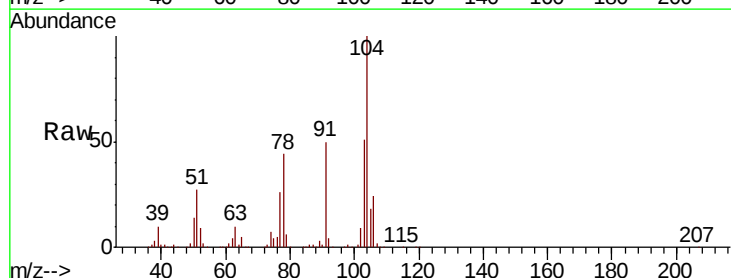
Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS02

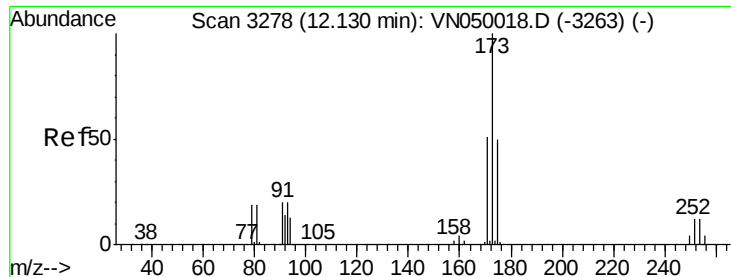
Tot Ion:106 Resp: 250646
Ion Ratio Lower Upper
106 100
91 214.6 107.7 323.1



#70
Styrene
Concen: 20.13 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion:104 Resp: 405300
Ion Ratio Lower Upper
104 100
78 49.6 39.3 58.9
103 55.3 45.0 67.6





#71

Bromoform

Concen: 21.59 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS02

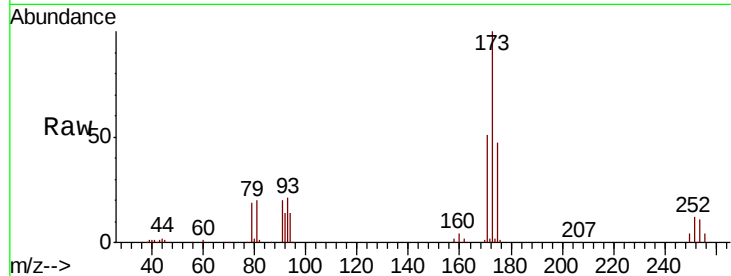
Tot Ion:173 Resp: 121323

Ion Ratio Lower Upper

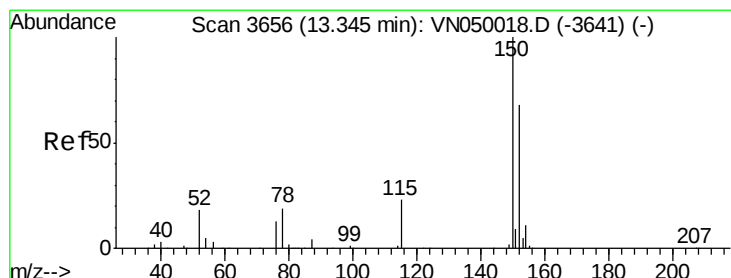
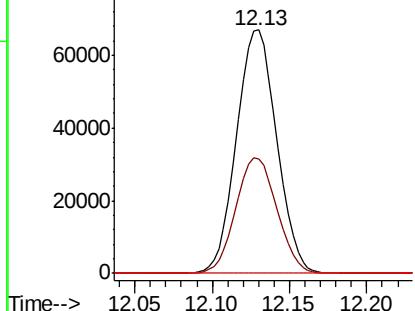
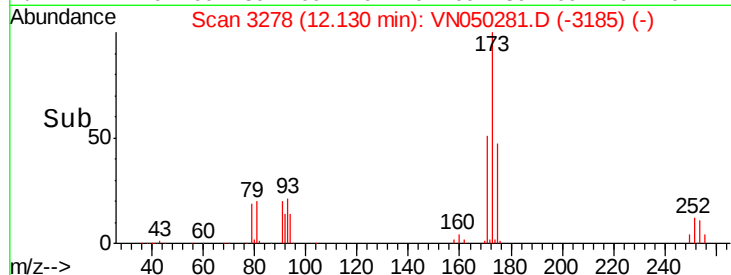
173 100

175 48.3 24.1 72.2

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

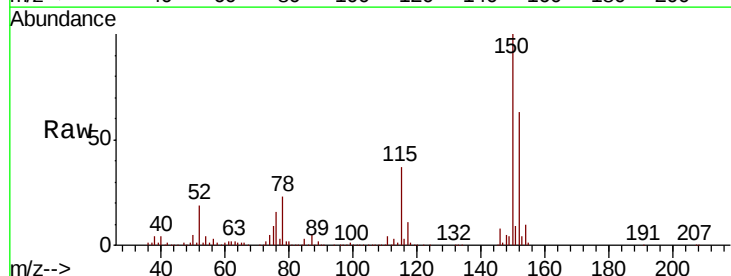
Tgt Ion:152 Resp: 402590

Ion Ratio Lower Upper

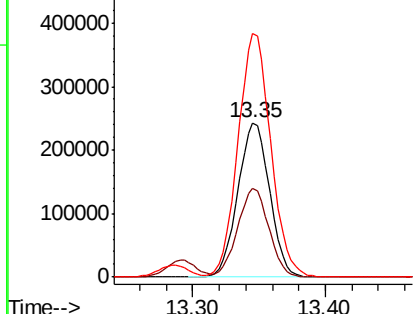
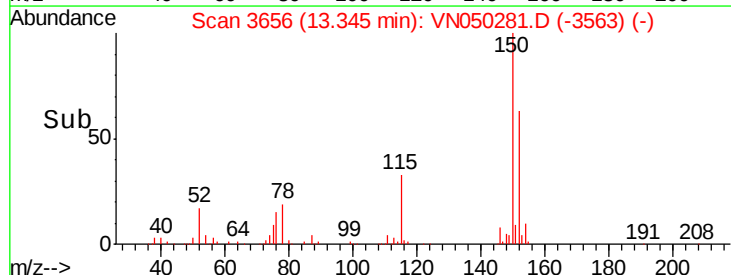
152 100

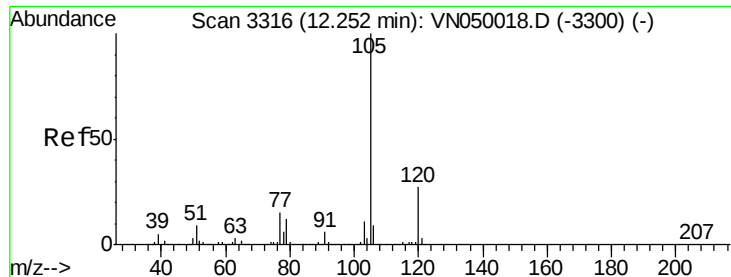
115 56.6 27.8 83.3

150 163.5 0.0 348.6



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





#73

Isopropylbenzene

Concen: 21.46 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

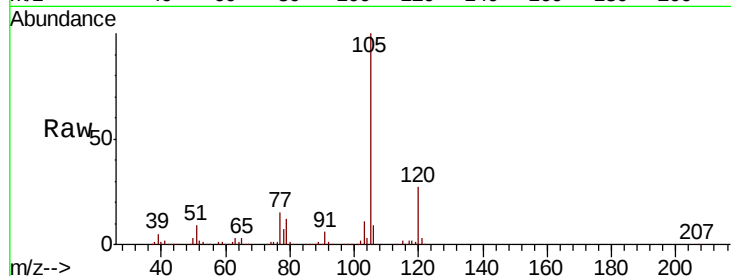
VN0802WBS02

Tot Ion:105 Resp: 670195

Ion Ratio Lower Upper

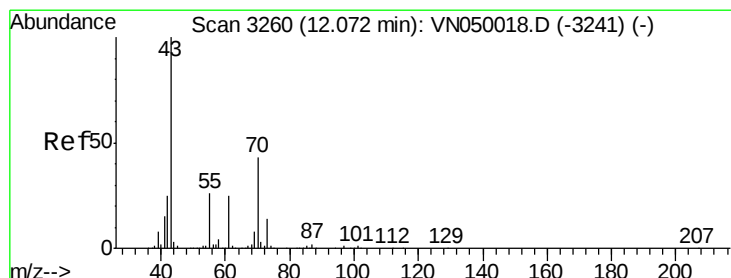
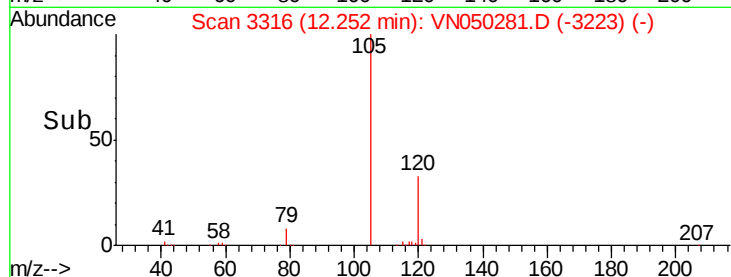
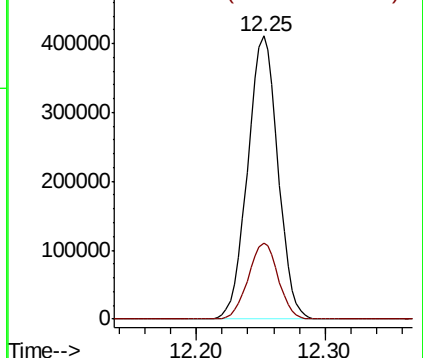
105 100

120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.30 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Tgt Ion: 43 Resp: 203216

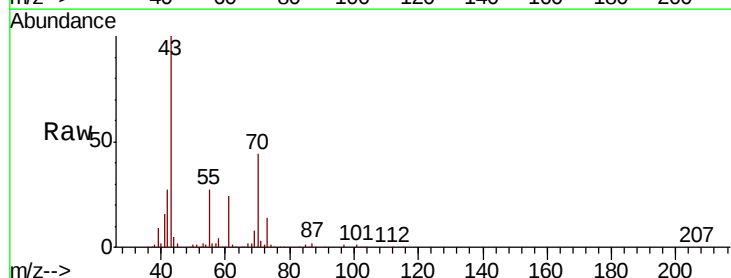
Ion Ratio Lower Upper

43 100

70 42.8 34.4 51.6

55 27.6 20.8 31.2

61 24.2 19.7 29.5

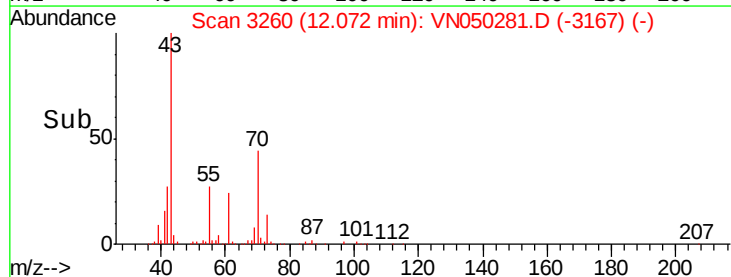
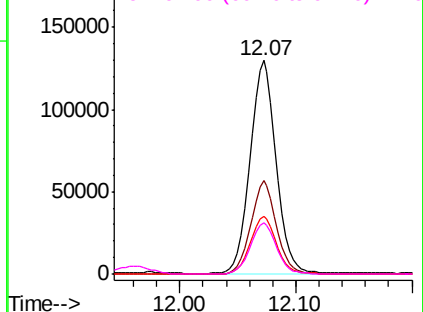


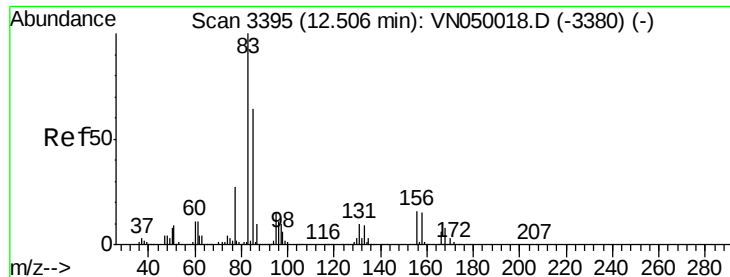
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: 23.55 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS02

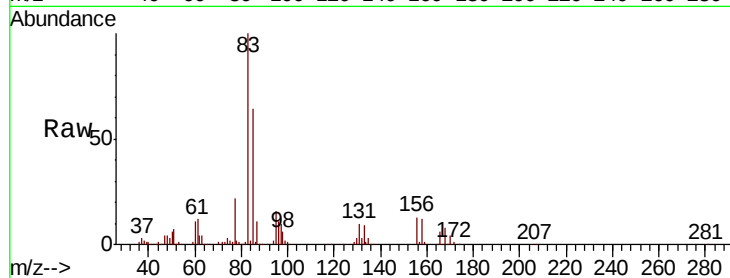
Tot Ion: 83 Resp: 204193

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.3

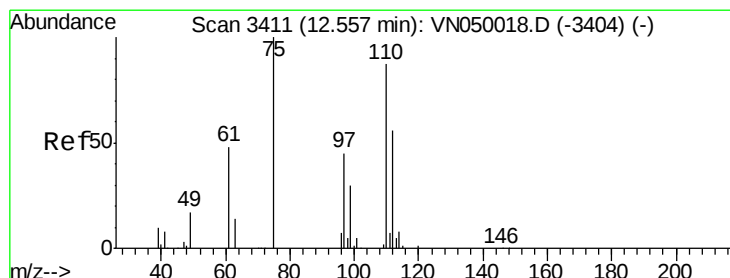
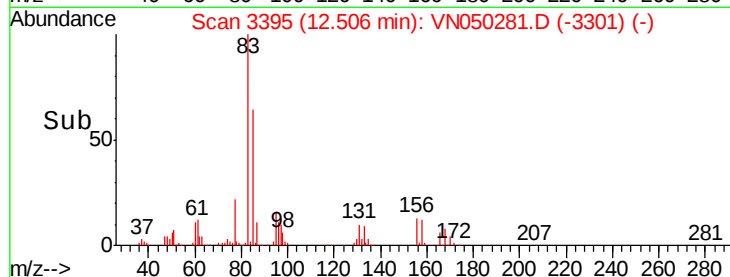
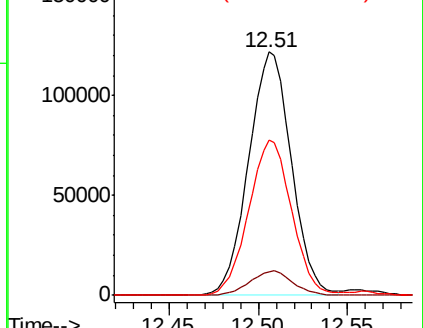
85 64.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN

Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 31.89 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050281.D

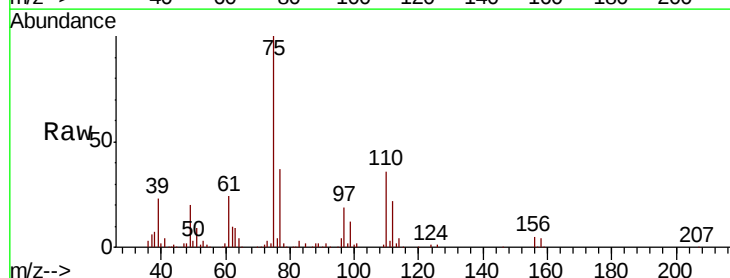
Acq: 2 Aug 2018 23:14

Tgt Ion: 75 Resp: 238575

Ion Ratio Lower Upper

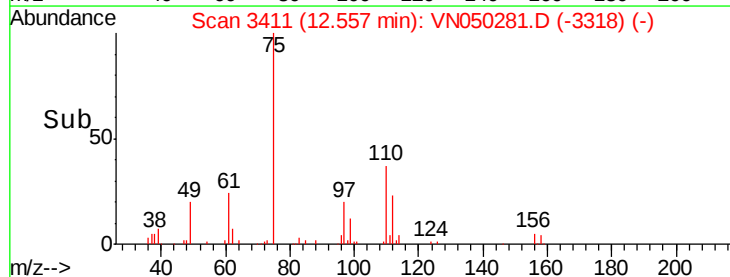
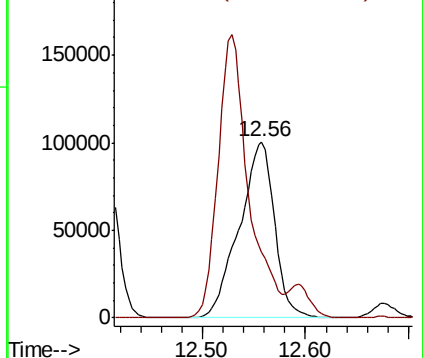
75 100

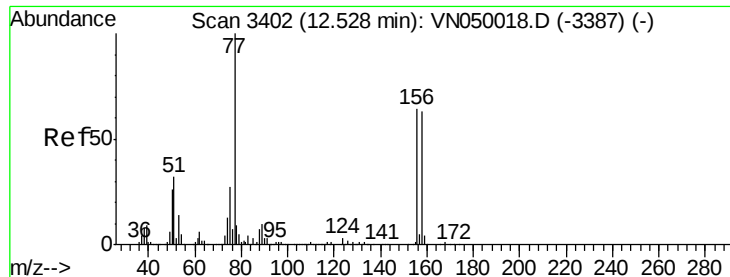
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.76 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS02

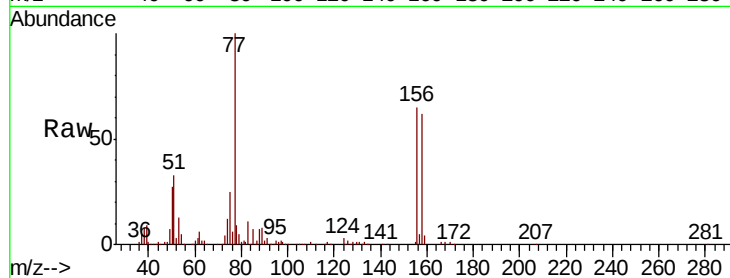
Tot Ion:156 Resp: 179669

Ion Ratio Lower Upper

156 100

77 185.6 91.7 275.1

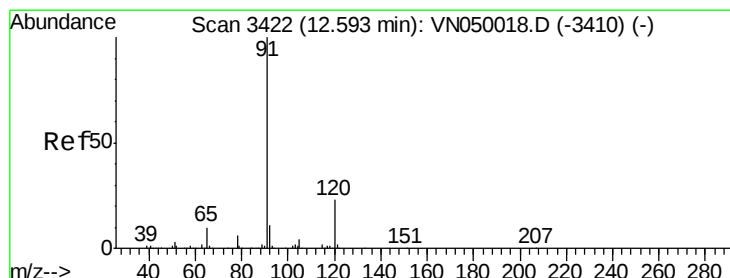
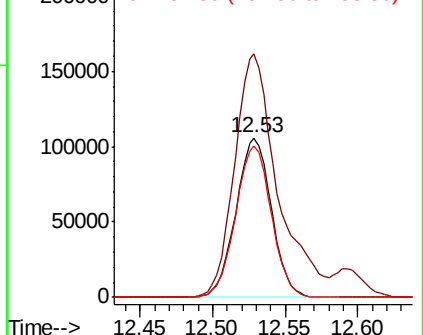
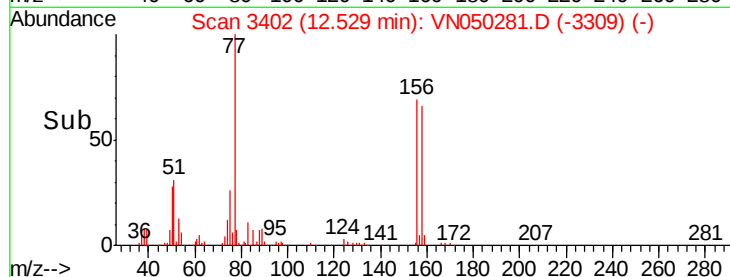
158 95.4 48.9 146.6



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: 21.63 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050281.D

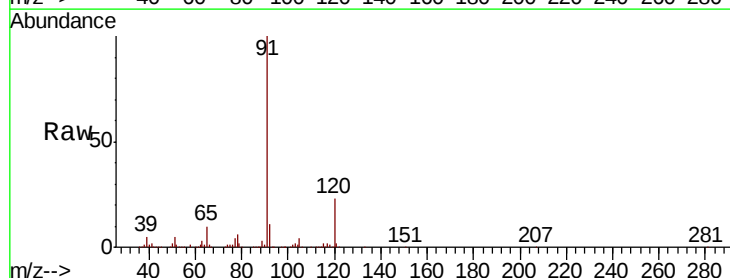
Acq: 2 Aug 2018 23:14

Tgt Ion: 91 Resp: 754989

Ion Ratio Lower Upper

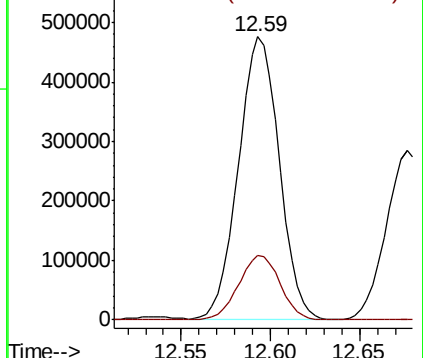
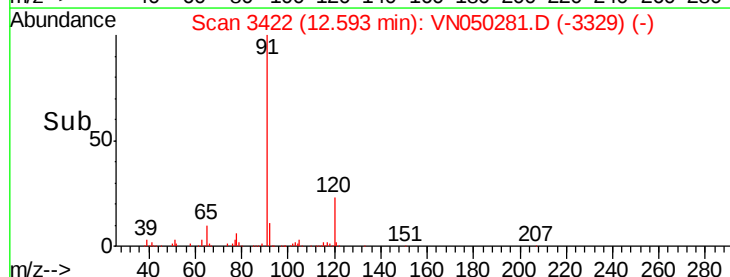
91 100

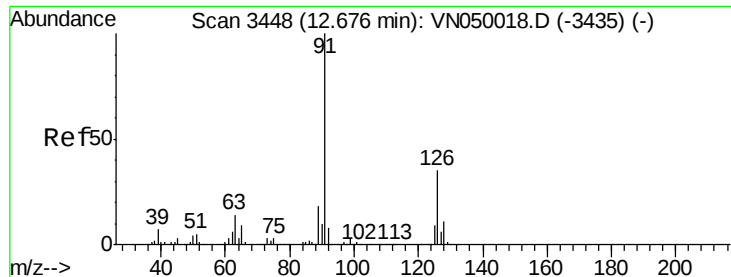
120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.66 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

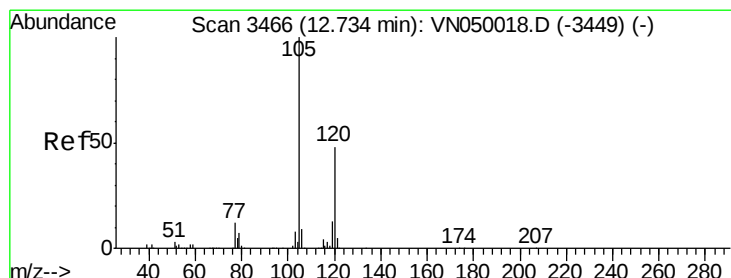
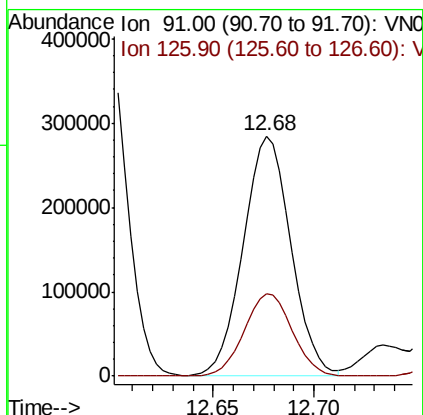
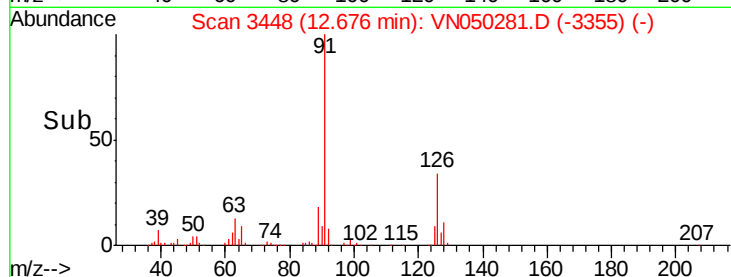
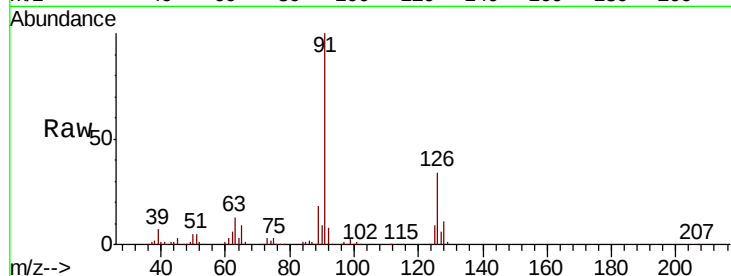
VN0802WBS02

Tot Ion: 91 Resp: 468521

Ion Ratio Lower Upper

91 100

126 34.9 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 22.59 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050281.D

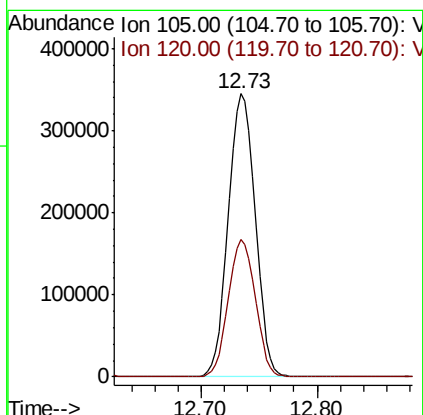
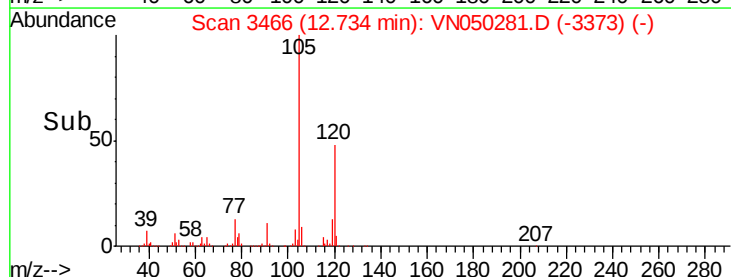
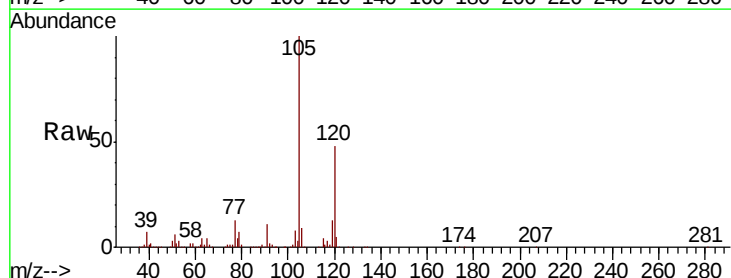
Acq: 2 Aug 2018 23:14

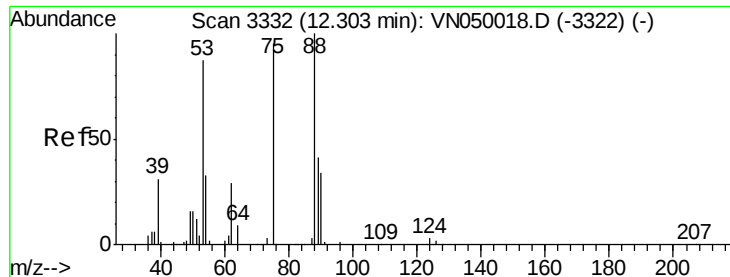
Tgt Ion: 105 Resp: 554696

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.06 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampled :

VN0802WBS02

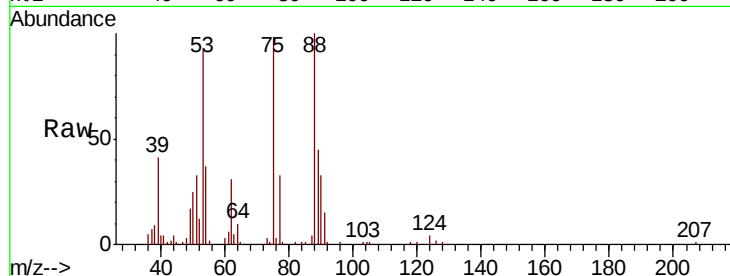
Tot Ion: 75 Resp: 47321

Ion Ratio Lower Upper

75 100

53 96.1 73.5 110.3

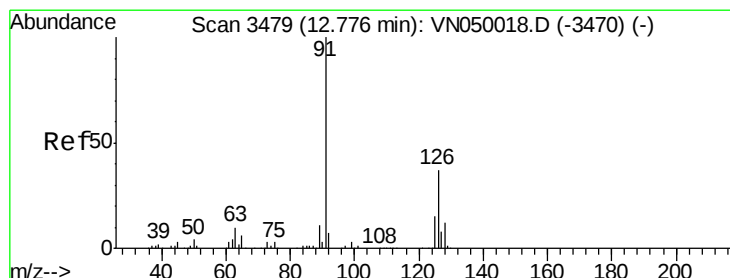
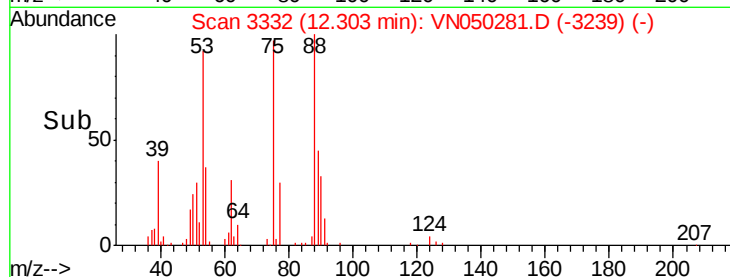
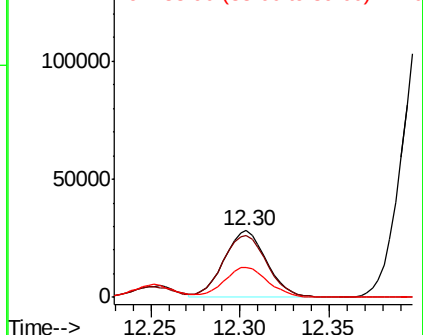
89 46.1 36.0 54.0



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: 22.01 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050281.D

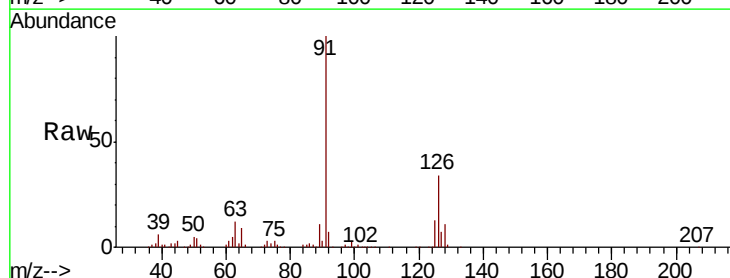
Acq: 2 Aug 2018 23:14

Tgt Ion: 91 Resp: 471403

Ion Ratio Lower Upper

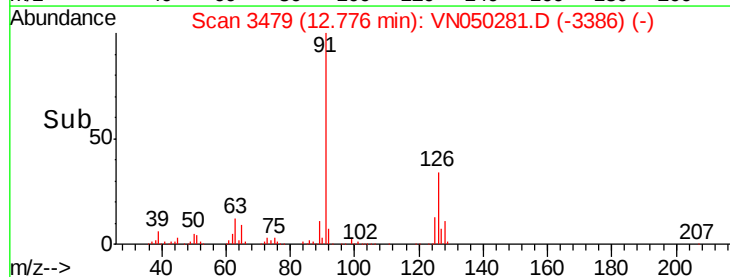
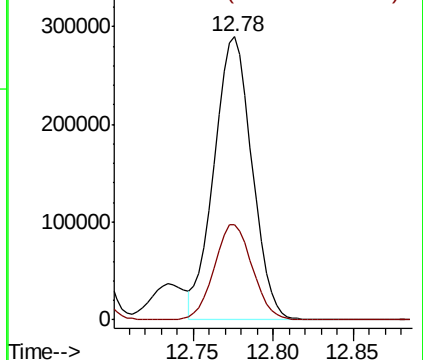
91 100

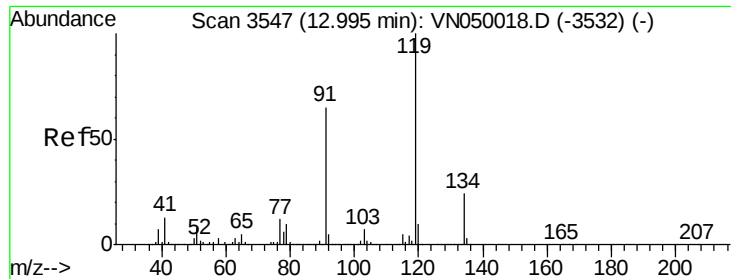
126 33.9 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 21.84 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

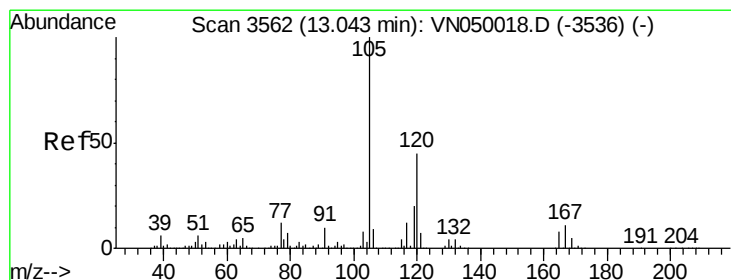
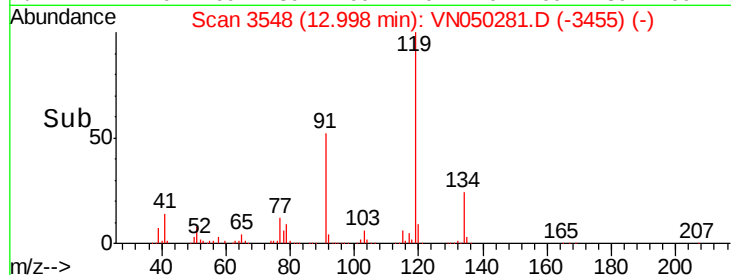
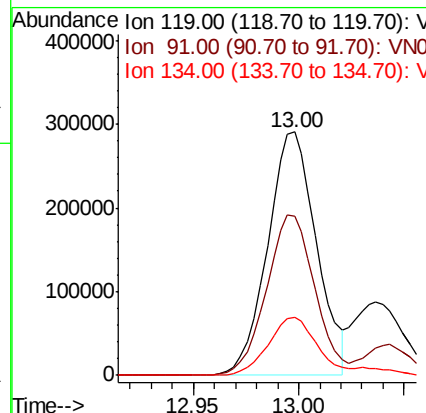
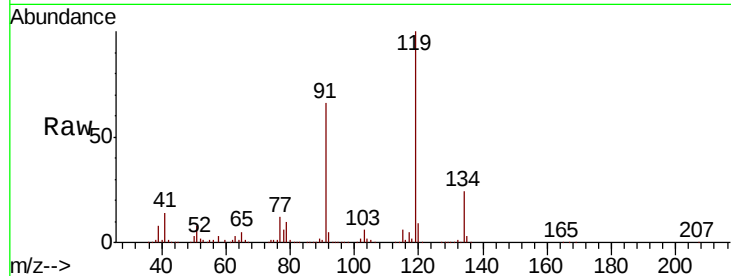
Instrument :

MSVOA_N

ClientSampled :

VN0802WBS02

Tot Ion:119	Resp:	468007
Ion Ratio	Lower	Upper
119	100	
91	65.2	32.1 96.3
134	24.2	13.2 39.5



#84

1,2,4-Trimethylbenzene

Concen: 22.70 ug/l

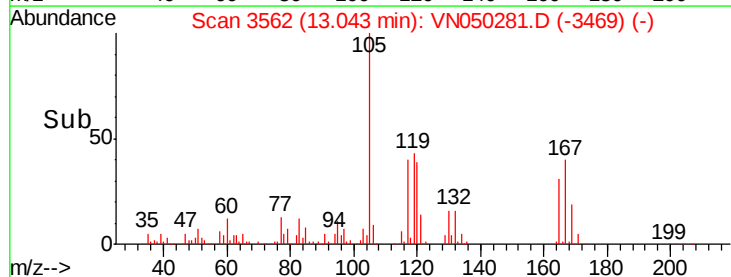
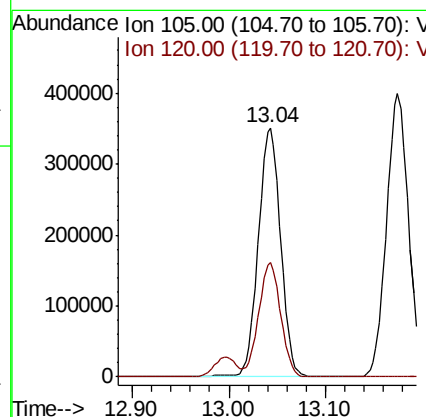
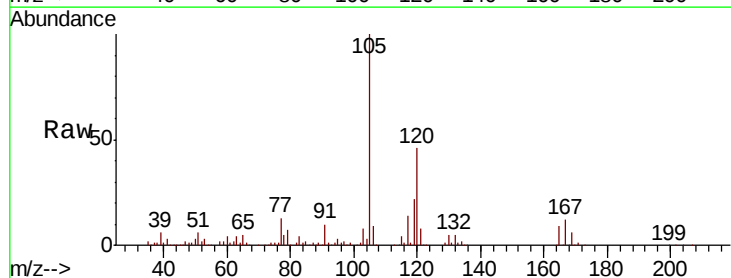
RT: 13.04 min Scan# 3562

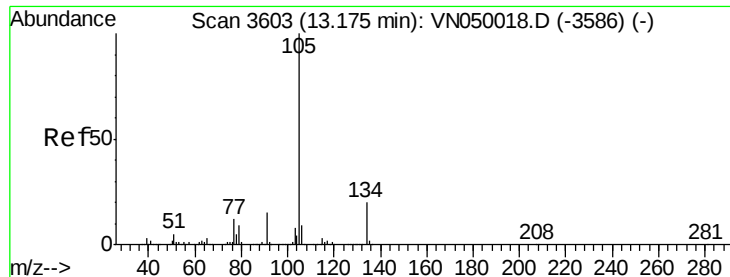
Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Tgt Ion:105	Resp:	561988
Ion Ratio	Lower	Upper
105	100	
120	45.2	22.9 68.7





#85

sec-Butylbenzene

Concen: 21.94 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

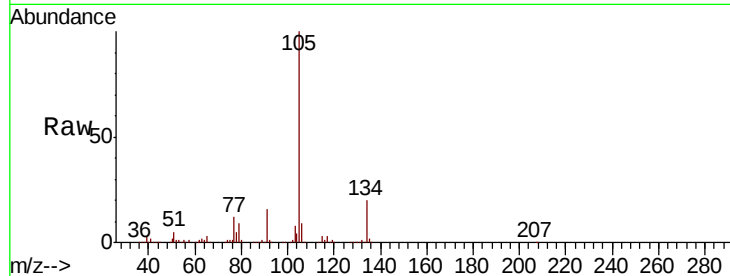
VN0802WBS02

Tot Ion:105 Resp: 628216

Ion Ratio Lower Upper

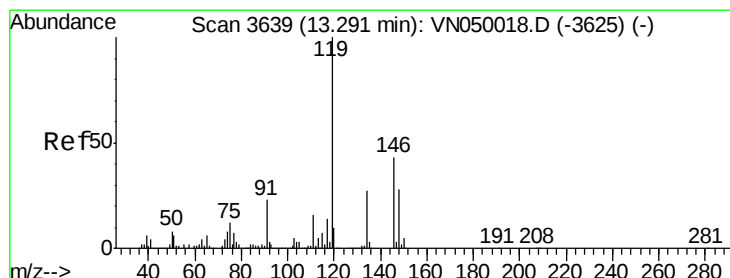
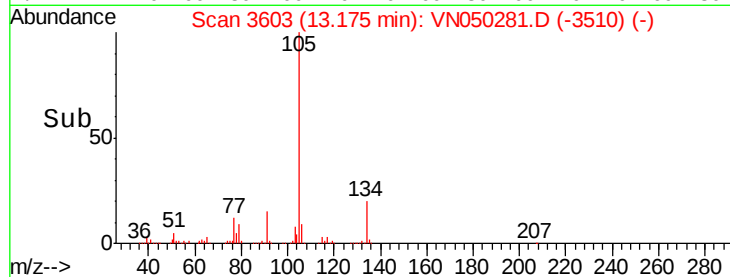
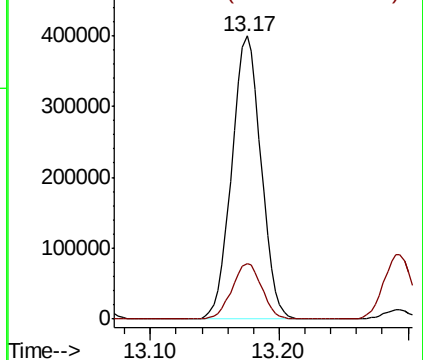
105 100

134 20.0 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.80 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

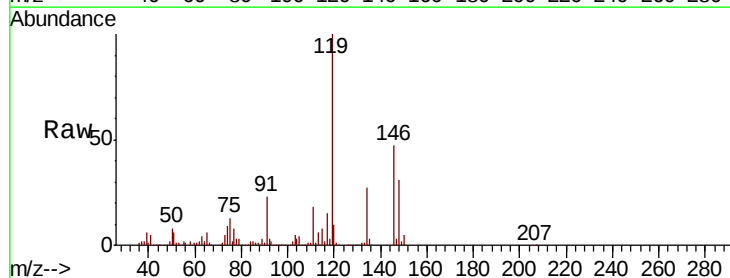
Tgt Ion:119 Resp: 525955

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

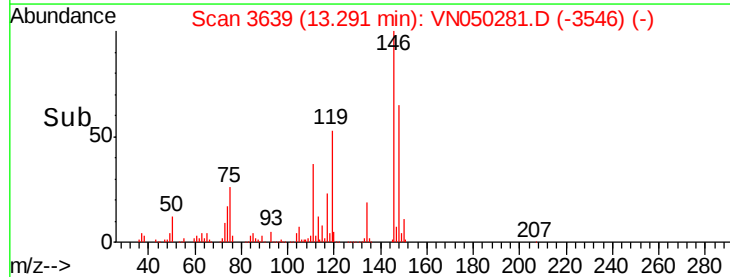
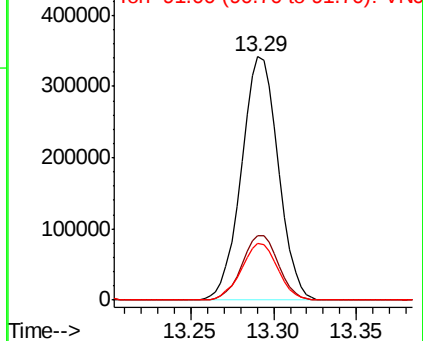
91 23.3 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.72 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS02

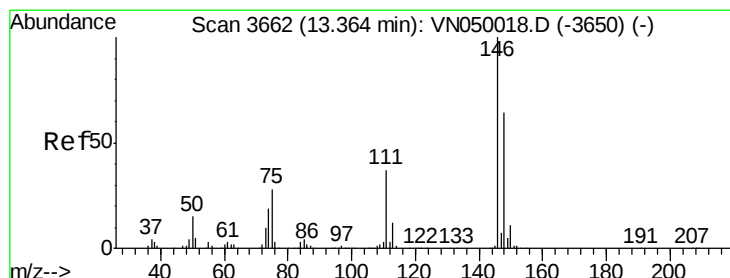
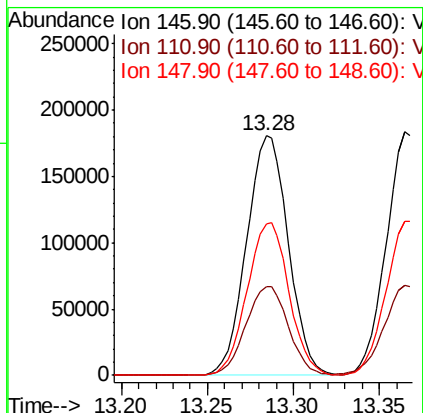
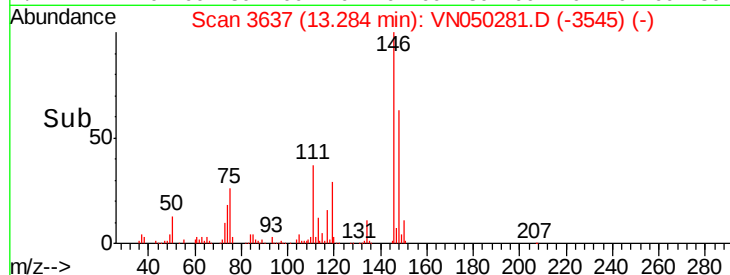
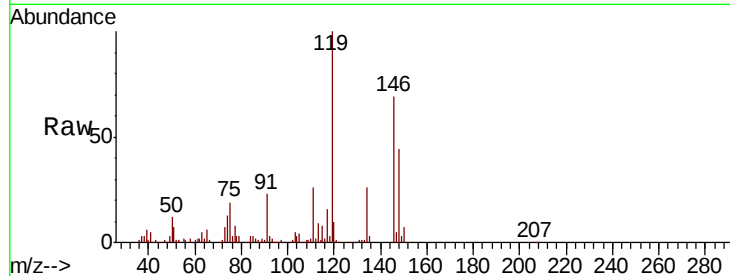
Tot Ion:146 Resp: 303985

Ion Ratio Lower Upper

146 100

111 37.6 18.8 56.4

148 63.8 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 20.71 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

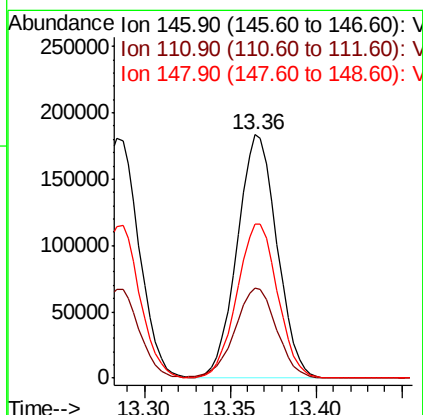
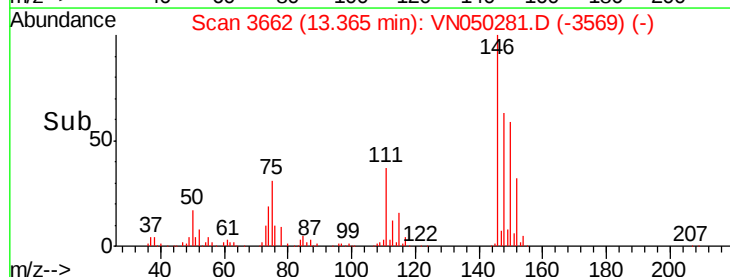
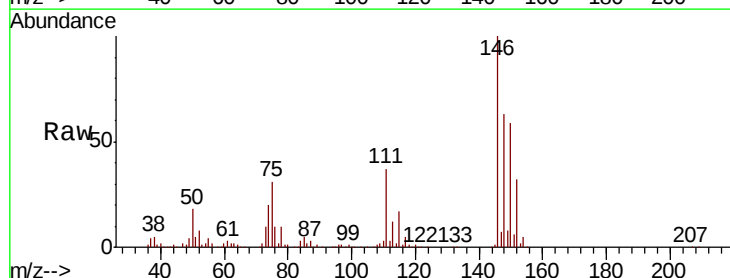
Tgt Ion:146 Resp: 296116

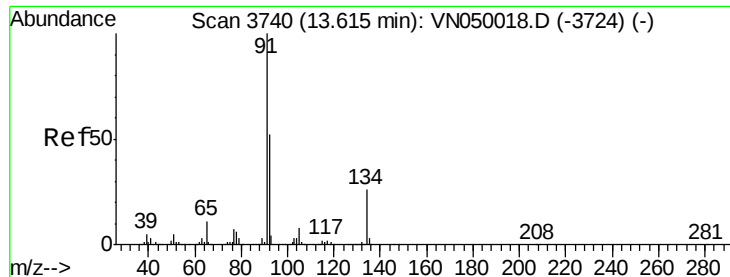
Ion Ratio Lower Upper

146 100

111 38.7 18.3 54.9

148 64.6 31.9 95.9

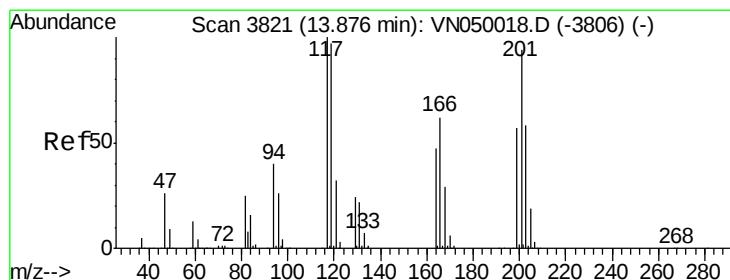
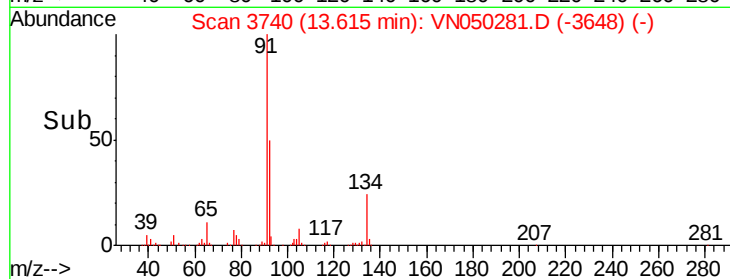
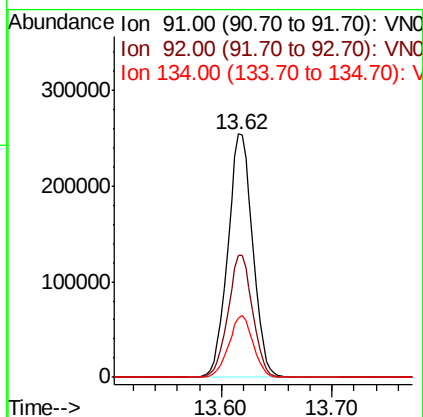
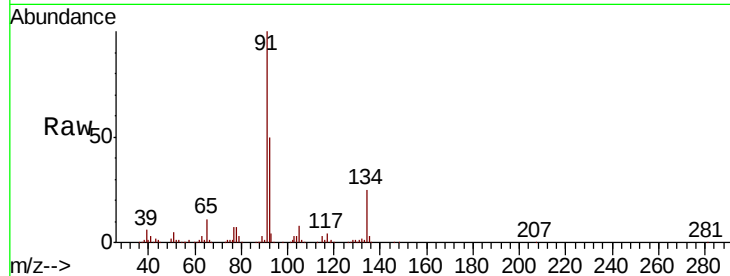




#89
n-Butylbenzene
Concen: 20.02 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

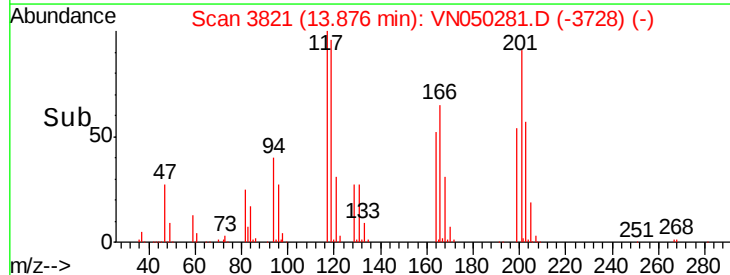
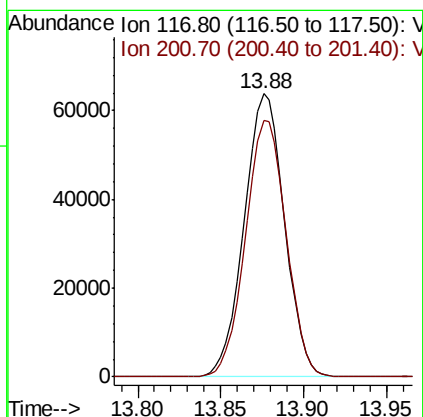
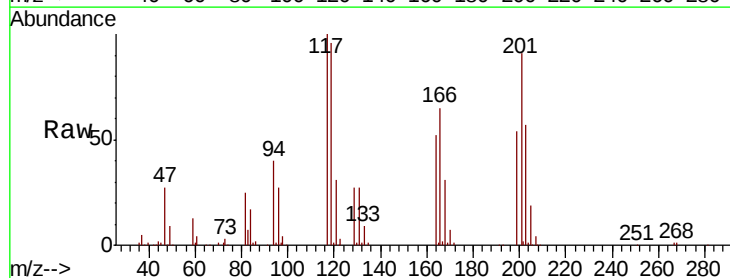
Instrument :
MSVOA_N
ClientSampled :
VN0802WBS02

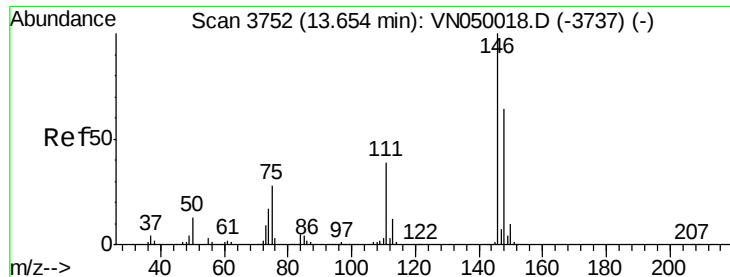
Tot Ion: 91 Resp: 397258
Ion Ratio Lower Upper
91 100
92 49.6 25.8 77.4
134 24.7 12.8 38.4



#90
Hexachloroethane
Concen: 20.12 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion: 117 Resp: 107784
Ion Ratio Lower Upper
117 100
201 91.2 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 20.93 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS02

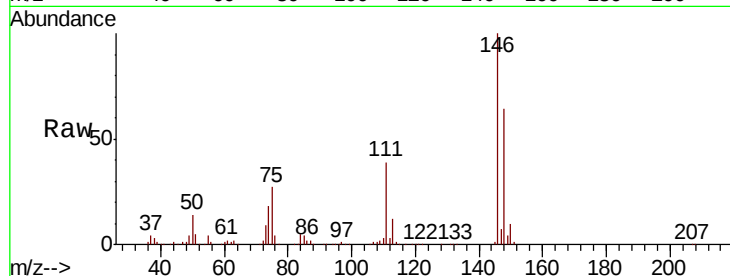
Tot Ion:146 Resp: 306930

Ion Ratio Lower Upper

146 100

111 39.0 19.6 58.7

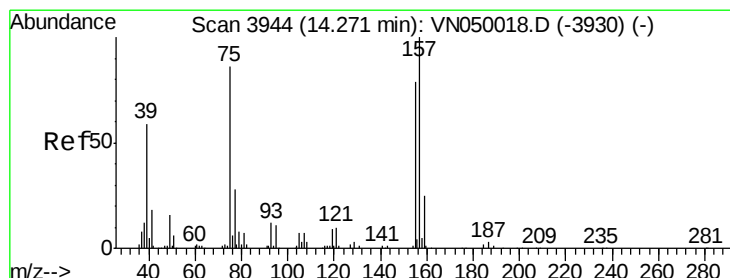
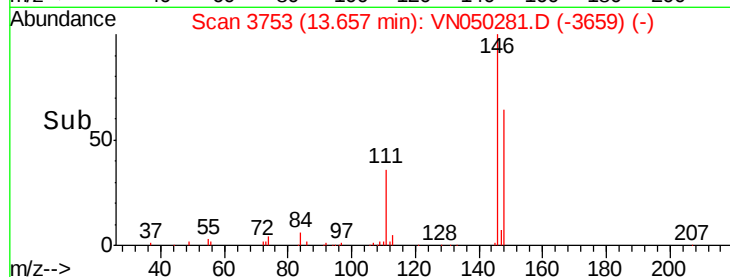
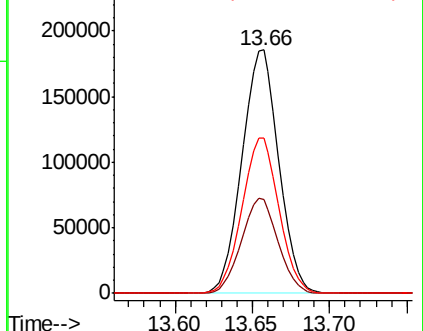
148 64.2 32.1 96.3



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: 22.31 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

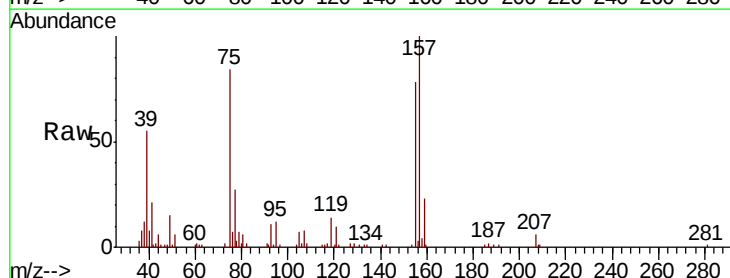
Tgt Ion: 75 Resp: 31656

Ion Ratio Lower Upper

75 100

155 89.7 44.8 134.4

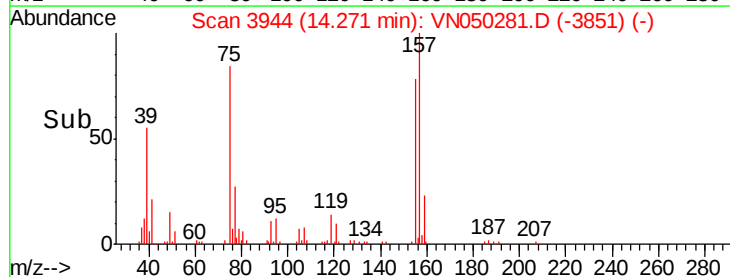
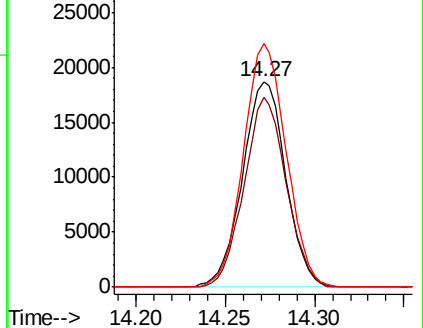
157 117.1 57.2 171.6



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

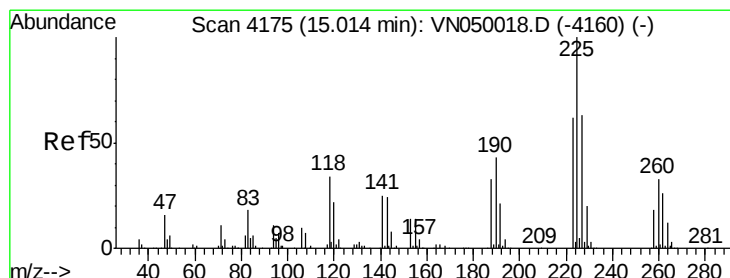
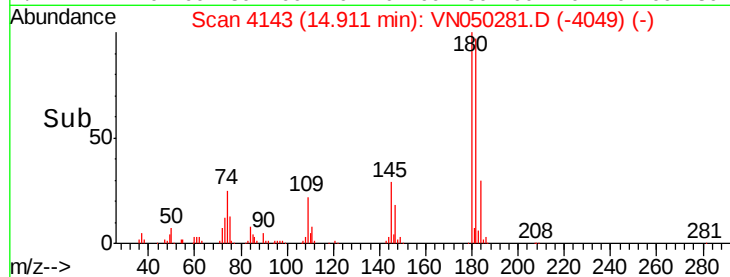
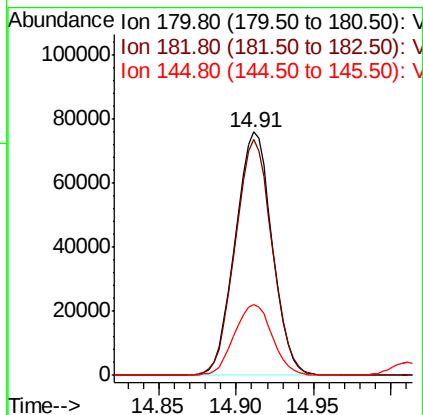
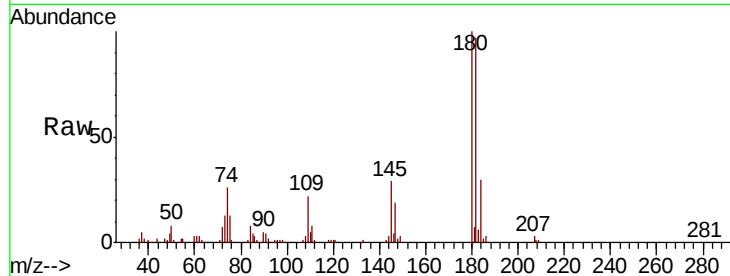




#93
 1,2,4-Trichlorobenzene
 Concen: 18.26 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

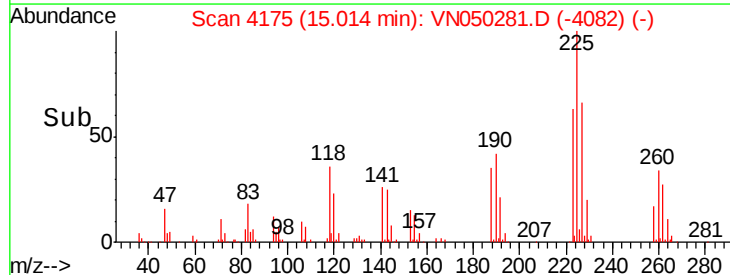
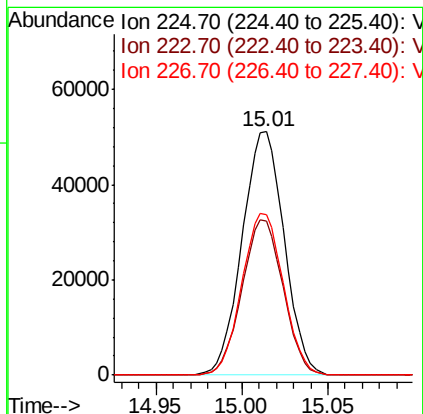
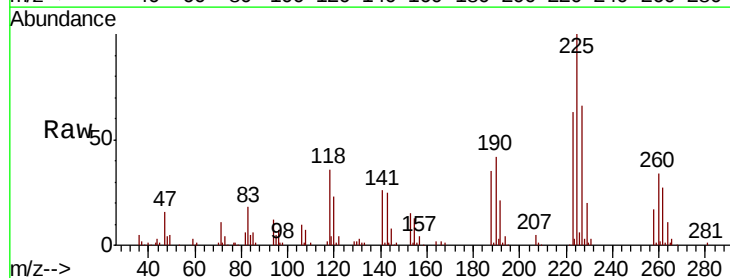
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

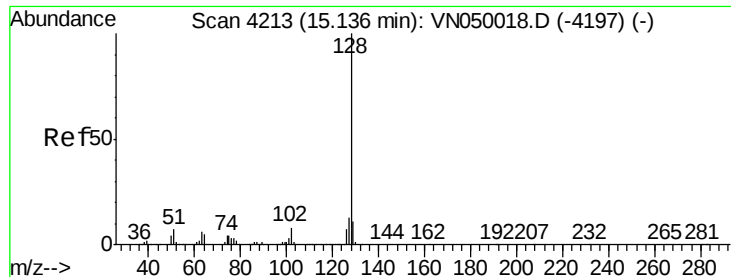
Tot Ion:180 Resp: 125802
 Ion Ratio Lower Upper
 180 100
 182 96.8 46.7 140.1
 145 29.9 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 19.32 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Tgt Ion:225 Resp: 86719
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.4 94.2
 227 65.4 32.1 96.5





#95

Naphthalene

Concen: 18.20 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS02

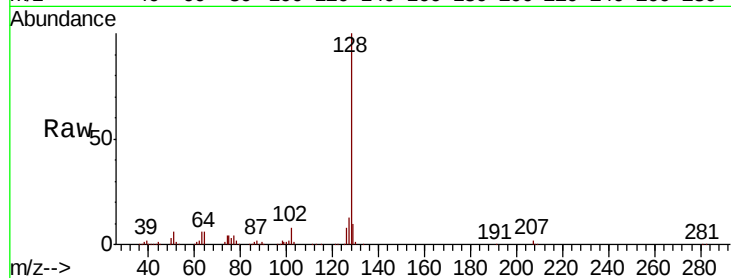
Tot Ion:128 Resp: 278063

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

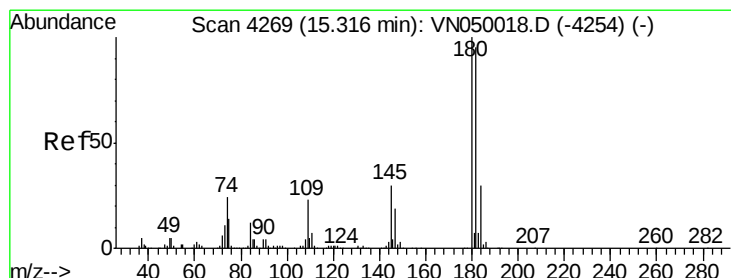
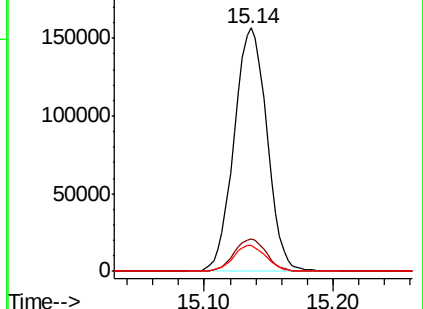
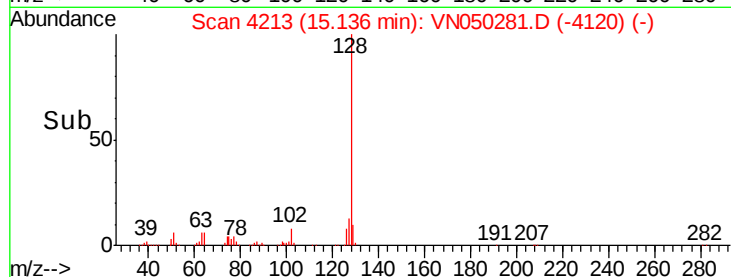
129 10.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.22 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

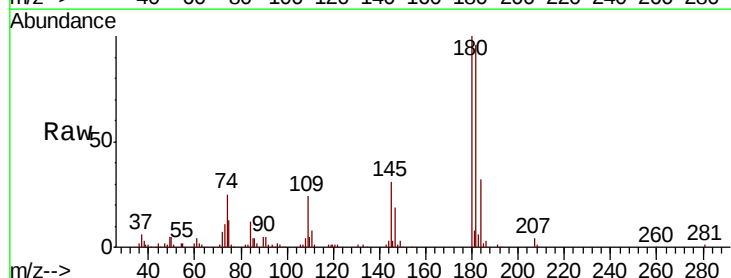
Tgt Ion:180 Resp: 134830

Ion Ratio Lower Upper

180 100

182 96.5 48.1 144.4

145 31.2 15.3 45.9



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

