

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121718\
 Data File : VN052948.D
 Acq On : 18 Dec 2018 1:25
 Operator : MD\SY
 Sample : J6378-07ME
 Misc : 4.30µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 37 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 06:30:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1182342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1793209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1590122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	725919	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	575854	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
35) Dibromofluoromethane	7.59	113	347091	34.68	ug/l	0.00
Spiked Amount			Recovery	=	69.36%	
50) Toluene-d8	10.09	98	2192325	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.40	95	741396	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.52	94	2046	0.227	ug/l	98
13) Acrolein	3.61	56	487	0.736	ug/l #	68
14) Allyl chloride	4.59	41	547465	30.834	ug/l #	57
15) Acrylonitrile	5.05	53	50701	12.866	ug/l #	40
16) Acetone	3.82	43	7954	2.817	ug/l	99
18) Methyl Acetate	4.59	43	1376980	132.884	ug/l #	51
20) Methylene Chloride	4.54	84	2636	0.207	ug/l #	14
24) 1,1-Dichloroethane	5.56	63	5400	0.247	ug/l #	84
25) 2-Butanone	6.82	43	8060	1.840	ug/l #	49
26) 2,2-Dichloropropane	6.63	77	9619	0.598	ug/l #	51
29) Tetrahydrofuran	7.22	42	2833	0.947	ug/l #	66
31) Cyclohexane	7.65	56	199722	8.898	ug/l #	92
36) 1,1-Dichloropropene	7.66	75	80195	4.856	ug/l #	51
37) Ethyl Acetate	6.82	43	8060	0.813	ug/l #	72
38) Carbon Tetrachloride	7.66	117	101052	6.648	ug/l #	15
39) Methylcyclohexane	9.08	83	484292	23.899	ug/l	99
43) Isopropyl Acetate	8.15	43	54190	2.664	ug/l #	54
45) 1,2-Dichloropropane	9.08	63	3568	0.275	ug/l #	1
48) Methyl methacrylate	9.27	41	9958	1.116	ug/l #	40
51) 4-Methyl-2-Pentanone	9.87	43	64035	6.866	ug/l #	41
55) 1,1,2-Trichloroethane	10.53	97	34254	3.197	ug/l #	19
56) Ethyl methacrylate	10.43	69	13105	0.953	ug/l #	36
59) 2-Hexanone	10.72	43	32450	5.077	ug/l #	29
65) Chlorobenzene	11.43	112	267944	8.122	ug/l	100
67) Ethyl Benzene	11.62	91	6952894	122.728	ug/l #	67
68) m/p-Xylenes	11.62	106	3422083	160.868	ug/l	100
71) Bromoform	12.40	173	4572	0.587	ug/l #	1
73) Isopropylbenzene	12.25	105	63446	1.171	ug/l	97
74) N-amyl acetate	12.04	43	19111	1.284	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.56	83	12126	0.998	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	361999	33.800	ug/l #	100
78) n-propylbenzene	12.59	91	130062	2.104	ug/l	99
79) 2-Chlorotoluene	12.65	91	35716	0.977	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.73	105	240739	5.502	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\
 Data File : VN052948.D
 Acq On : 18 Dec 2018 1:25
 Operator : MD\SY
 Sample : J6378-07ME
 Misc : 4.30g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 37 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 06:30:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

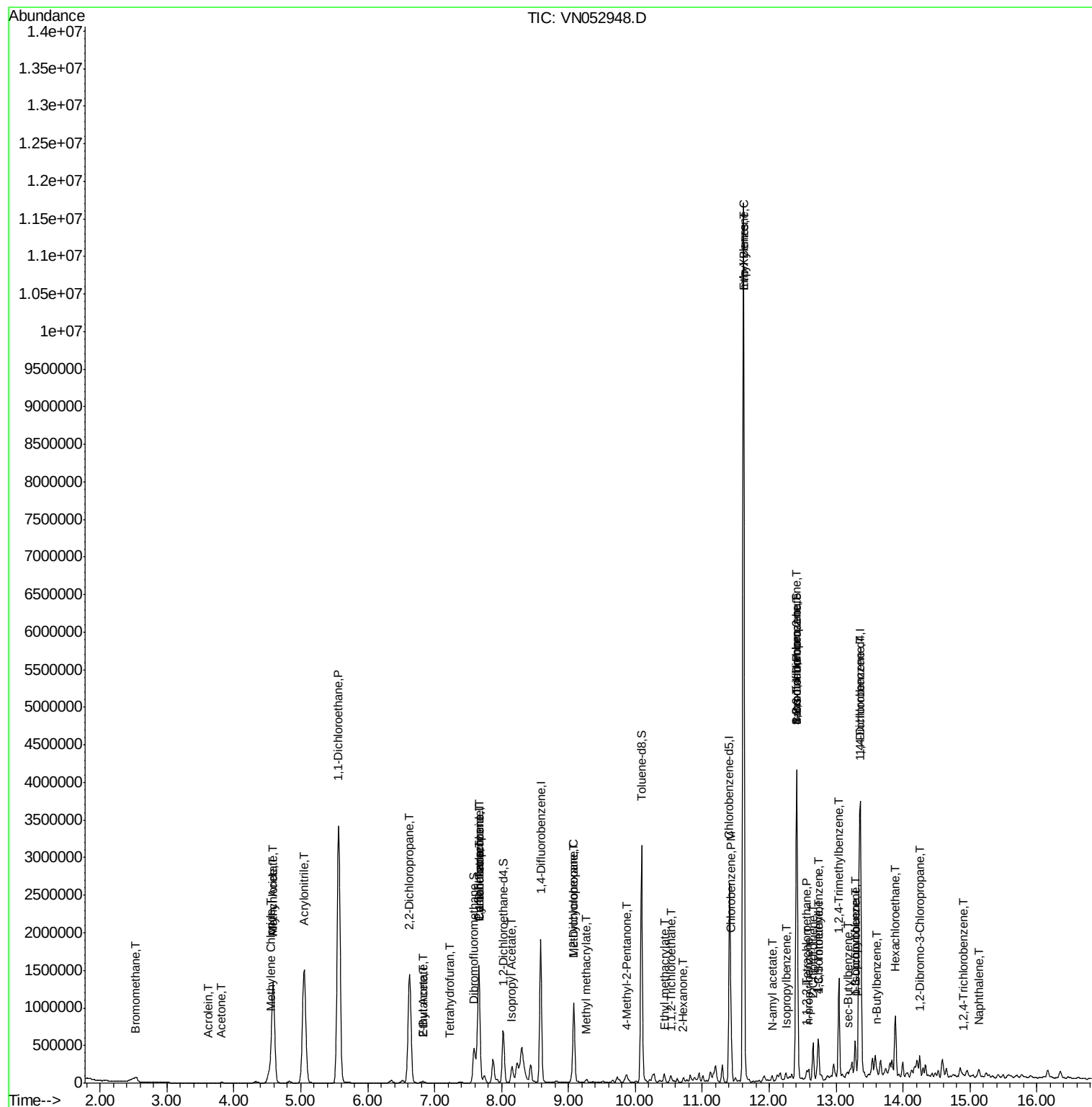
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.40	75	361999	108.581	ug/l #	13
82) 4-Chlorotoluene	12.73	91	23452	0.628	ug/l #	43
84) 1,2,4-Trimethylbenzene	13.04	105	750219	16.937	ug/l	99
85) sec-Butylbenzene	13.17	105	29233	0.559	ug/l	99
86) p-Isopropyltoluene	13.29	119	51353	1.134	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	154807	6.319	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1259093	51.899	ug/l	99
89) n-Butylbenzene	13.62	91	41323	1.084	ug/l #	77
90) Hexachloroethane	13.89	117	15835	2.088	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.25	75	789	0.431	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.91	180	3347	0.261	ug/l #	1
95) Naphthalene	15.13	128	91165	3.436	ug/l	98

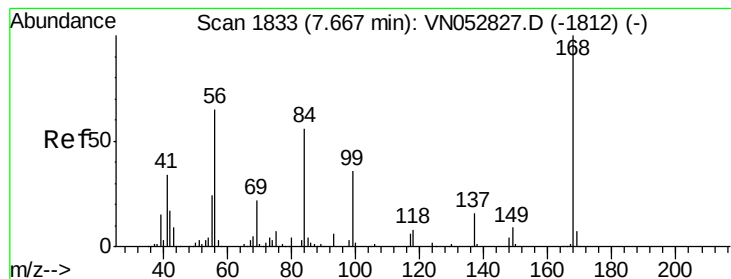
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\
Data File : VN052948.D
Acq On : 18 Dec 2018 1:25
Operator : MD\SY
Sample : J6378-07ME
Misc : 4.30g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 37 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 18 06:30:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052948.D

Acq: 18 Dec 2018 1:25

Instrument :

MSVOA_N

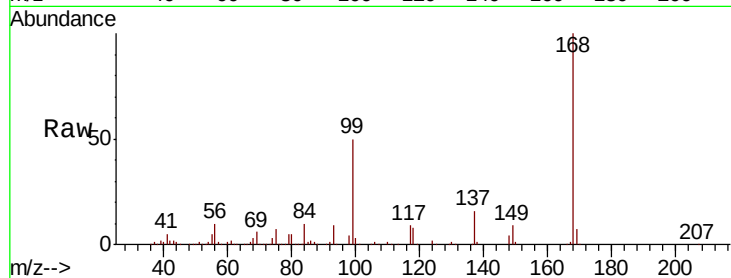
ClientSampled :

Tot Ion:168 Resp: 1182342

Ion Ratio Lower Upper

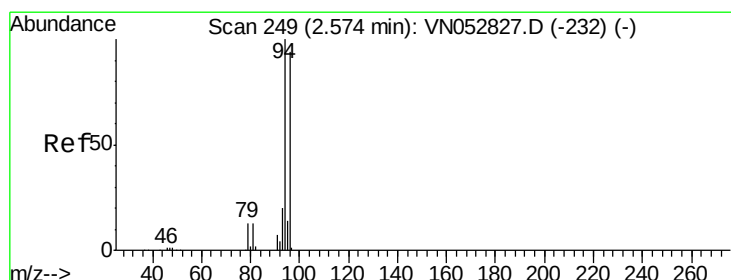
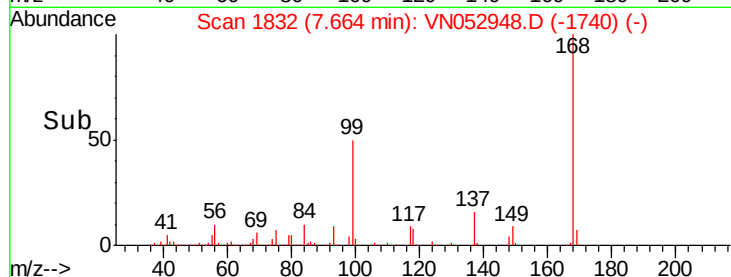
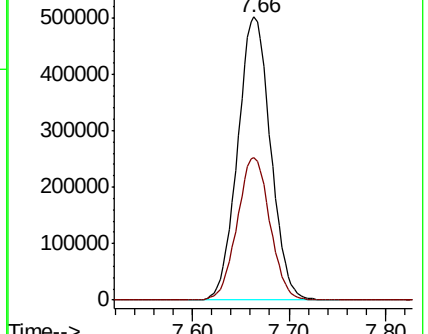
168 100

99 50.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: 0.227 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.05 min

Lab File: VN052948.D

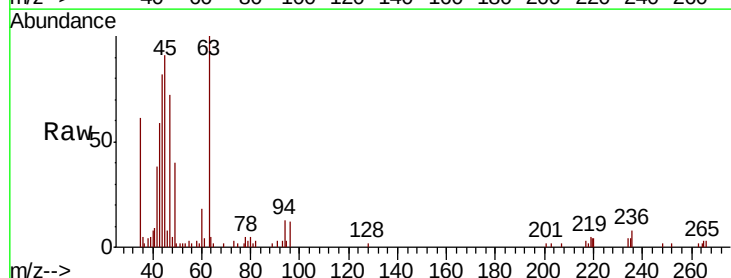
Acq: 18 Dec 2018 1:25

Tgt Ion: 94 Resp: 2046

Ion Ratio Lower Upper

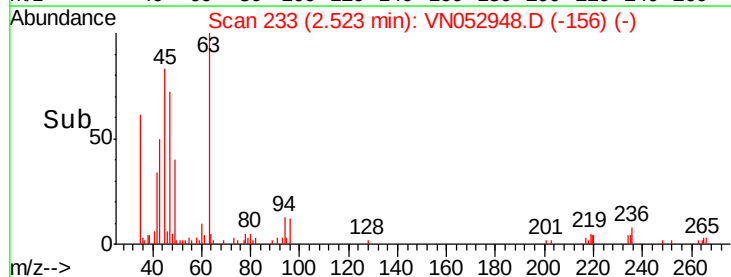
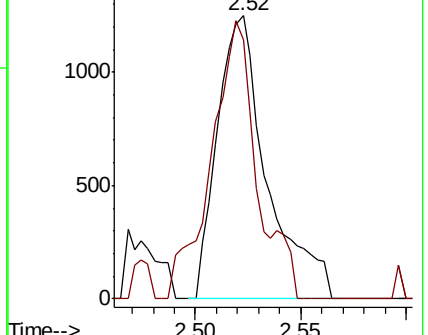
94 100

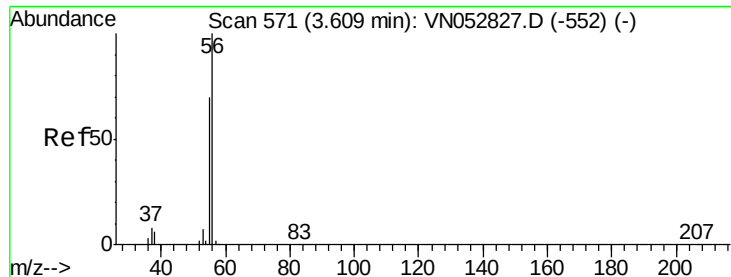
96 91.6 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#13

Acrolein

Concen: 0.736 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052948.D

Acq: 18 Dec 2018 1:25

Instrument :

MSVOA_N

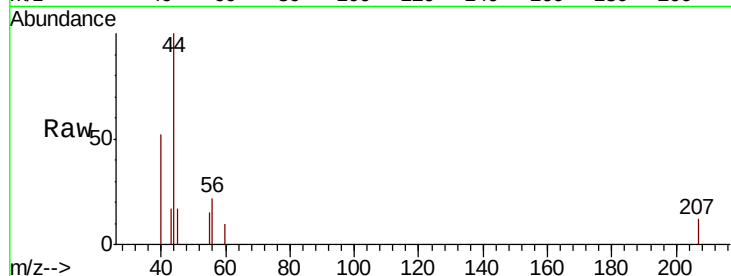
ClientSampled :

Tot Ion: 56 Resp: 487

Ion Ratio Lower Upper

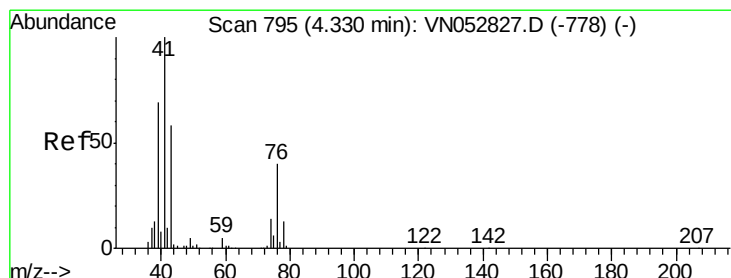
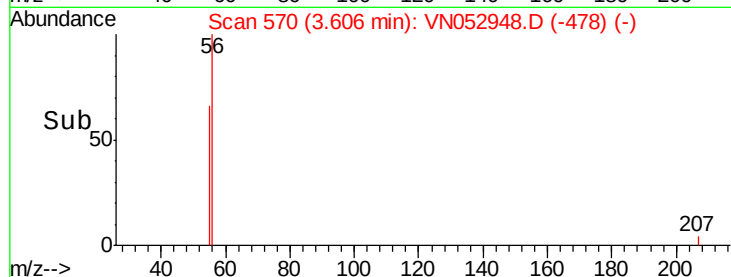
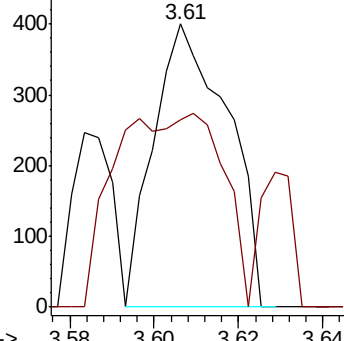
56 100

55 44.1 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 30.834 ug/l

RT: 4.59 min Scan# 875

Delta R.T. 0.26 min

Lab File: VN052948.D

Acq: 18 Dec 2018 1:25

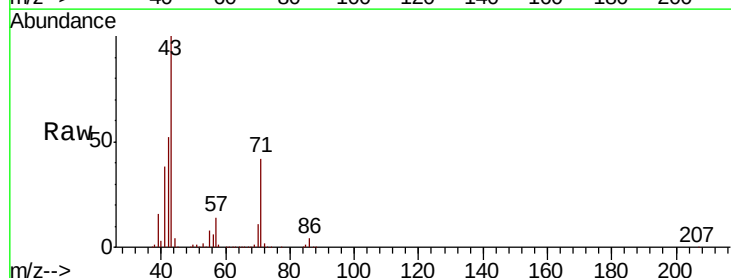
Tgt Ion: 41 Resp: 547465

Ion Ratio Lower Upper

41 100

39 41.6 54.1 81.1#

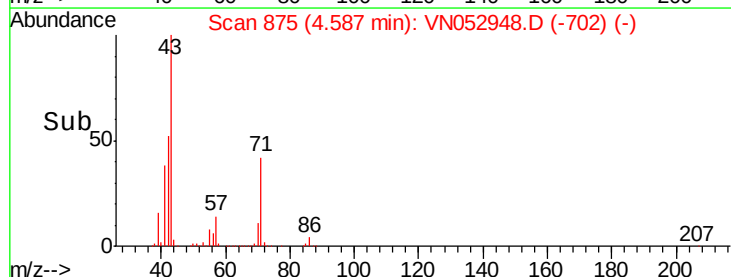
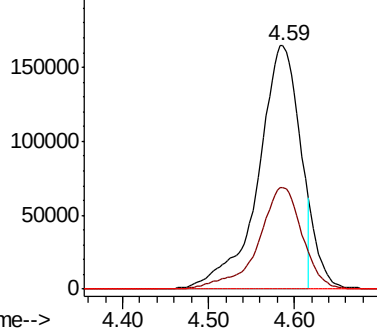
76 0.0 30.3 45.5#

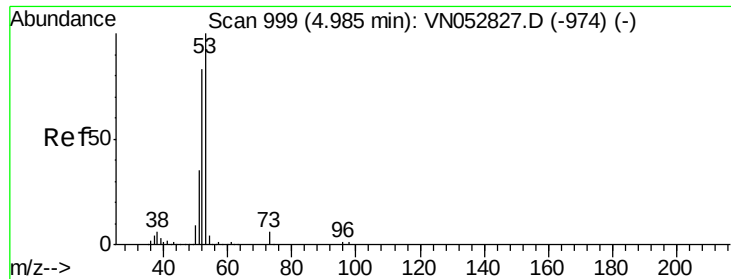


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 12.866 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.06 min

Lab File: VN052948.D

Acq: 18 Dec 2018 1:25

Instrument :

MSVOA_N

ClientSampleId :

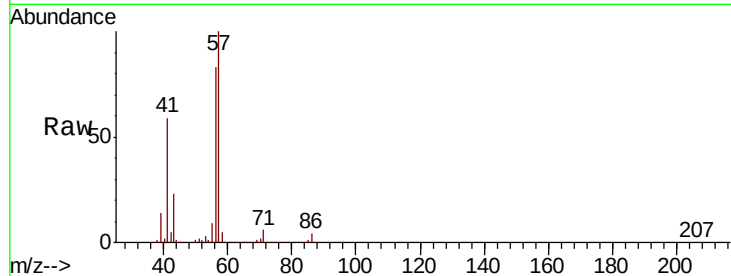
Tot Ion: 53 Resp: 50701

Ion Ratio Lower Upper

53 100

52 19.8 65.1 97.7#

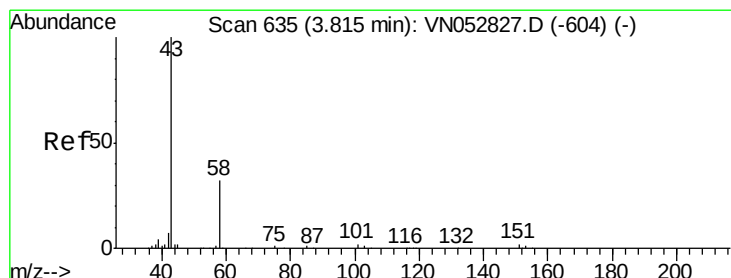
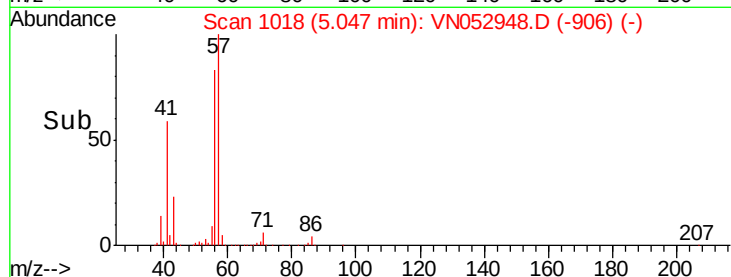
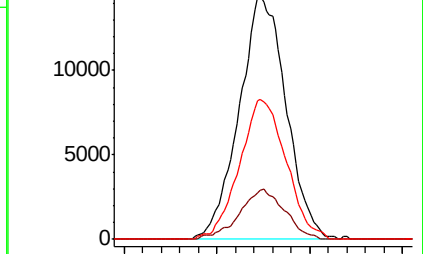
51 57.1 28.1 42.1#



Abundance Ion 53.00 (52.70 to 53.70): VN052827.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN052827.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN052827.D (-974) (-)



#16

Acetone

Concen: 2.817 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052948.D

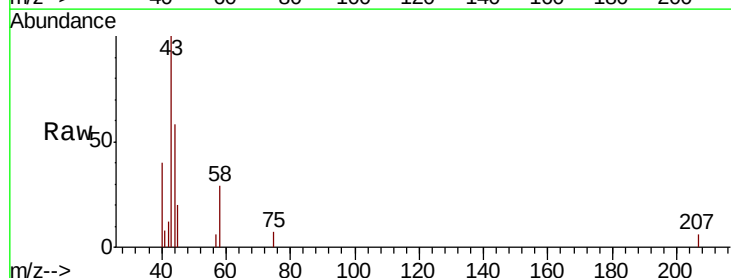
Acq: 18 Dec 2018 1:25

Tgt Ion: 43 Resp: 7954

Ion Ratio Lower Upper

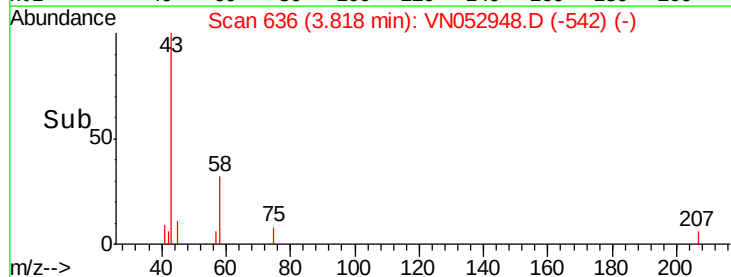
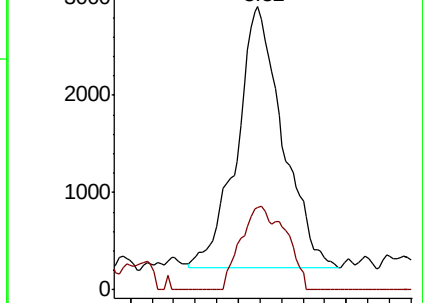
43 100

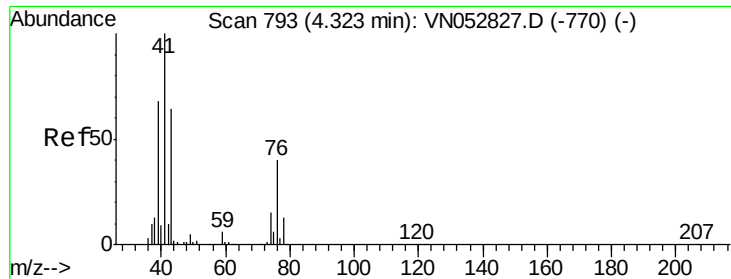
58 31.4 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052827.D (-604) (-)

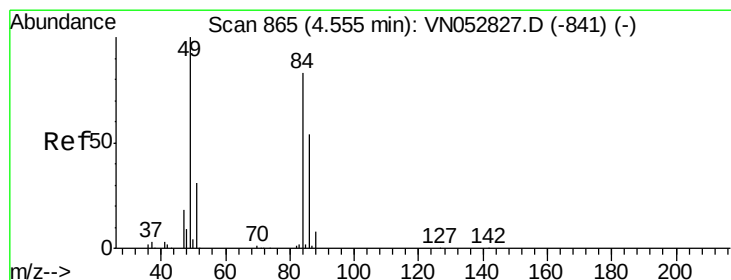
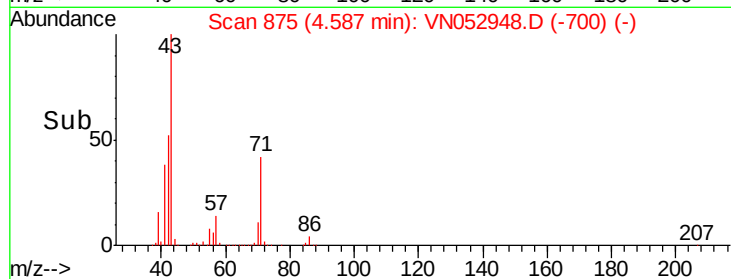
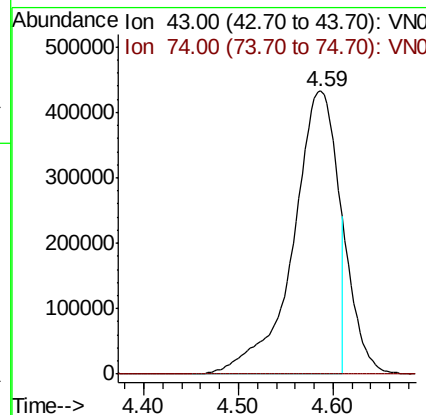
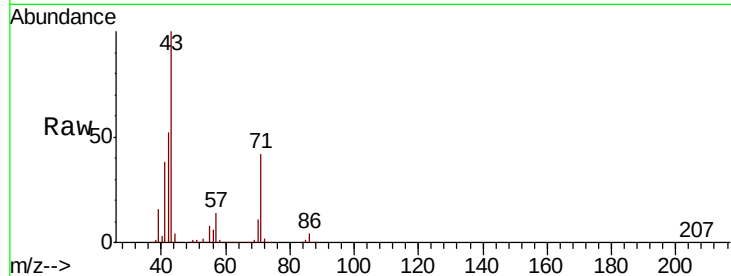




#18
Methyl Acetate
Concen: 132.884 ug/l
RT: 4.59 min Scan# 875
Delta R.T. 0.26 min
Lab File: VN052948.D
Acq: 18 Dec 2018 1:25

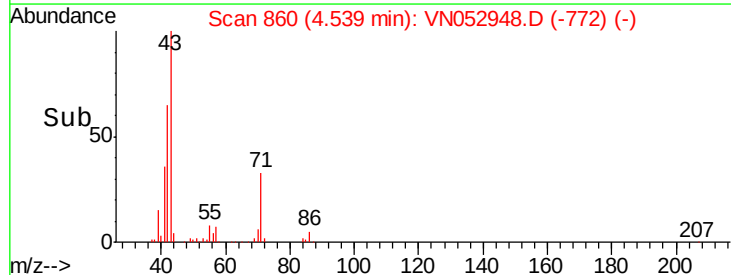
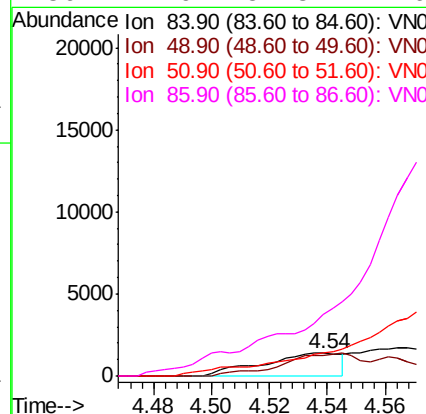
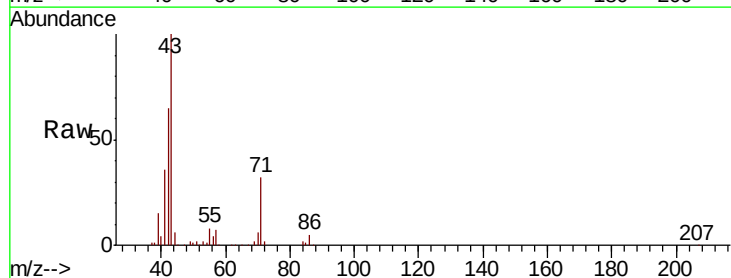
Instrument :
MSVOA_N
ClientSampled :

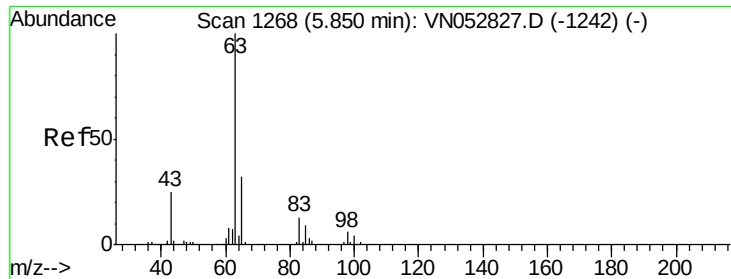
Tot Ion: 43 Resp: 1376980
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#20
Methylene Chloride
Concen: 0.207 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.02 min
Lab File: VN052948.D
Acq: 18 Dec 2018 1:25

Tgt Ion: 84 Resp: 2636
Ion Ratio Lower Upper
84 100
49 87.6 96.8 145.2#
51 89.4 29.9 44.9#
86 214.9 51.8 77.6#





#24

1,1-Dichloroethane

Concen: 0.247 ug/l

RT: 5.56 min Scan# 1179

Delta R.T. -0.29 min

Lab File: VN052948.D

Acq: 18 Dec 2018 1:25

Instrument :

MSVOA_N

ClientSampleId :

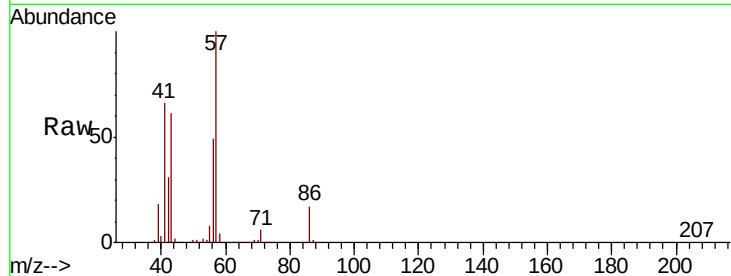
Tot Ion: 63 Resp: 5400

Ion Ratio Lower Upper

63 100

98 0.0 3.1 9.4#

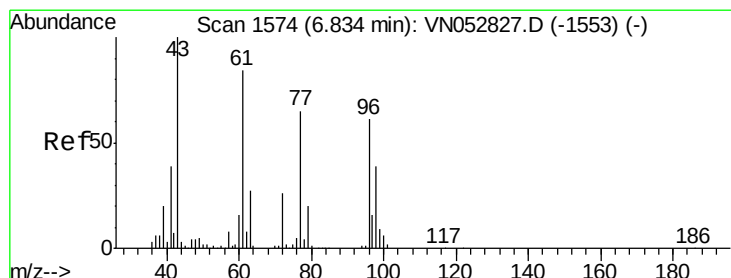
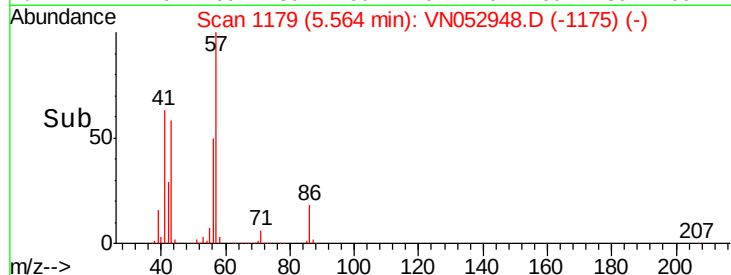
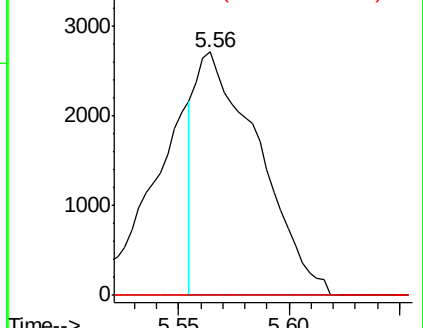
100 0.0 2.0 5.8#



Abundance Ion 62.90 (62.60 to 63.60): VN052948.D (-1175) (-)

Ion 97.90 (97.60 to 98.60): VN052948.D (-1175) (-)

Ion 99.90 (99.60 to 100.60): VN052948.D (-1175) (-)



#25

2-Butanone

Concen: 1.840 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.02 min

Lab File: VN052948.D

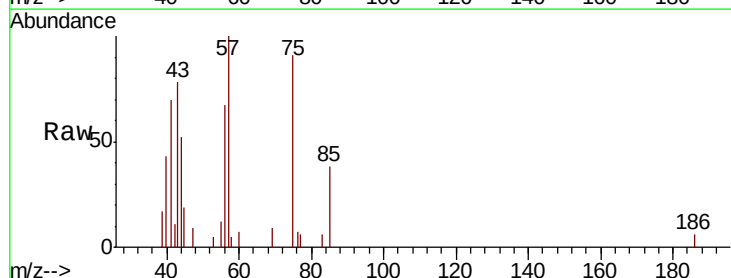
Acq: 18 Dec 2018 1:25

Tgt Ion: 43 Resp: 8060

Ion Ratio Lower Upper

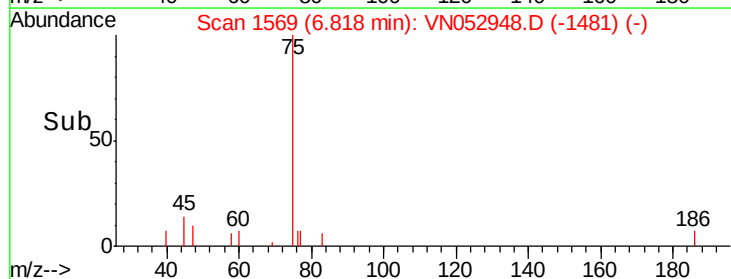
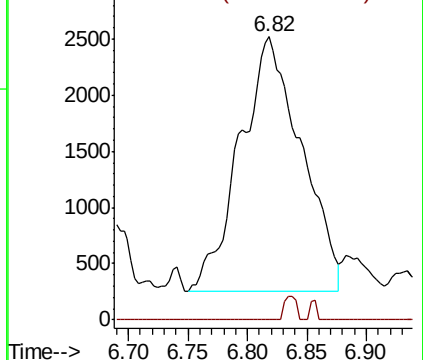
43 100

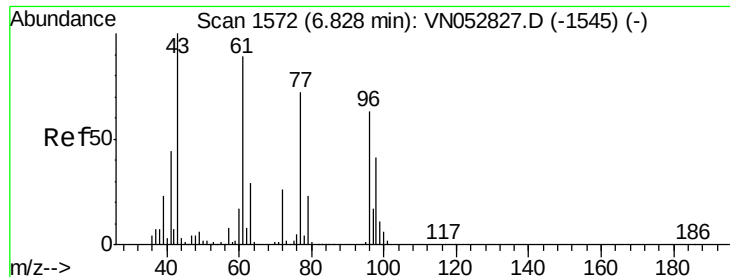
72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VN052948.D (-1481) (-)

Ion 72.00 (71.70 to 72.70): VN052948.D (-1481) (-)

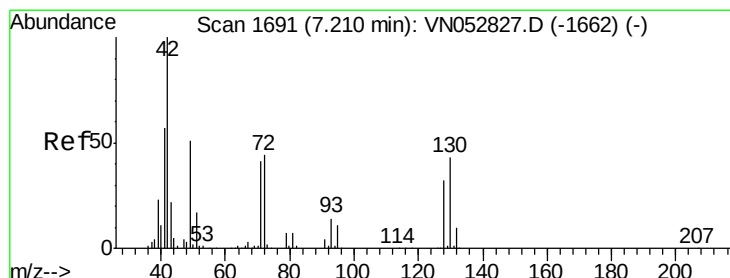
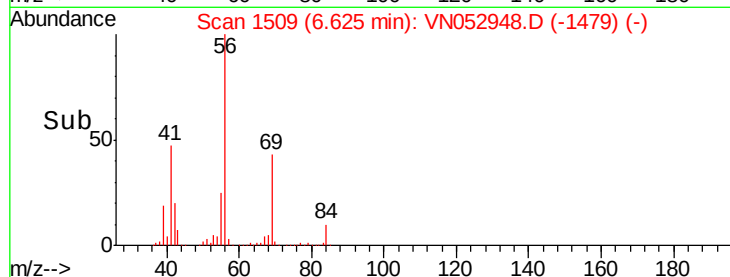
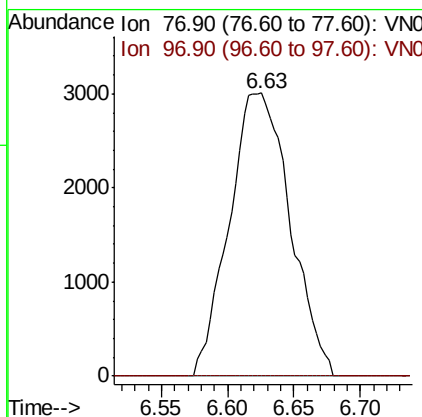
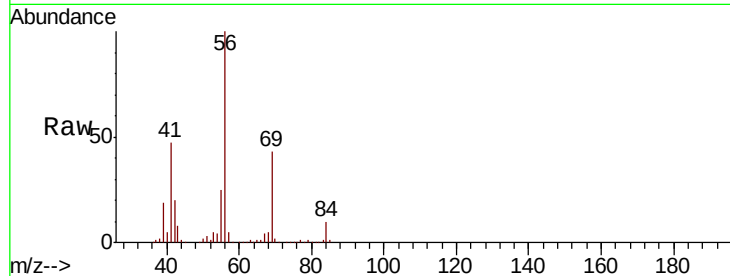




#26
 2,2-Dichloropropane
 Concen: 0.598 ug/l
 RT: 6.63 min Scan# 1509
 Delta R.T. -0.20 min
 Lab File: VN052948.D
 Acq: 18 Dec 2018 1:25

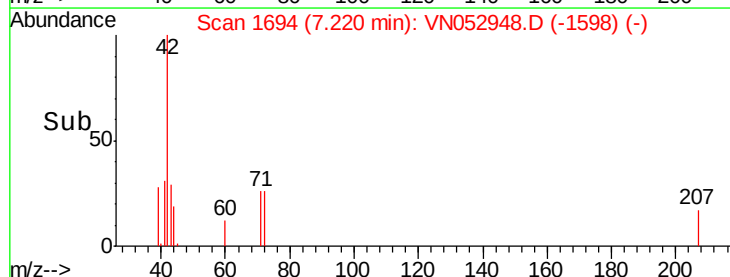
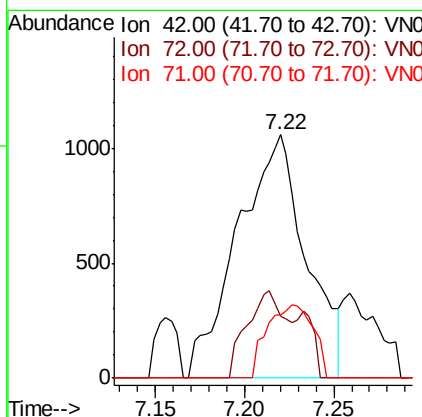
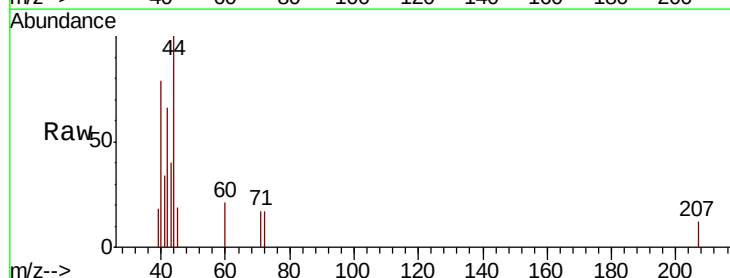
Instrument :
 MSVOA_N
 ClientSampled :

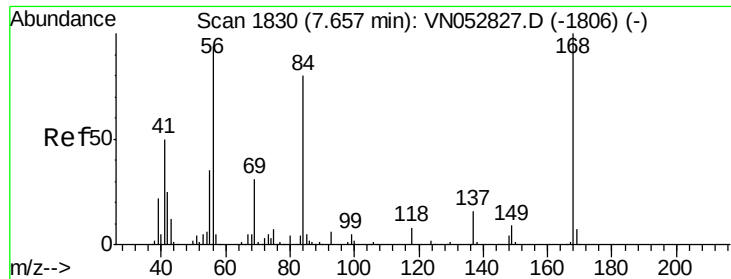
Tot Ion: 77 Resp: 9619
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.9 35.9#



#29
 Tetrahydrofuran
 Concen: 0.947 ug/l
 RT: 7.22 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VN052948.D
 Acq: 18 Dec 2018 1:25

Tgt Ion: 42 Resp: 2833
 Ion Ratio Lower Upper
 42 100
 72 20.2 34.7 52.1#
 71 20.2 32.3 48.5#

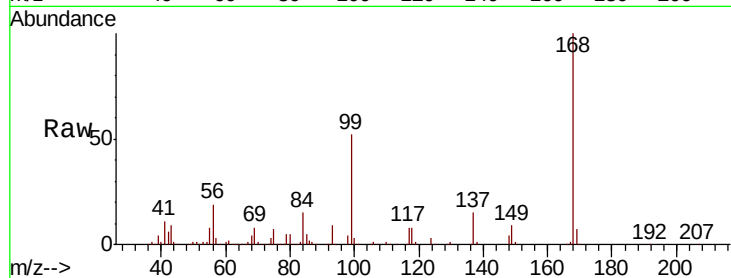




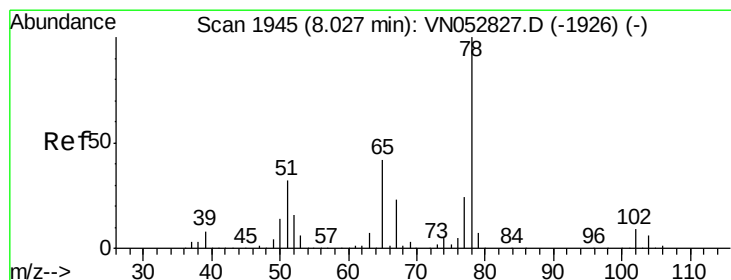
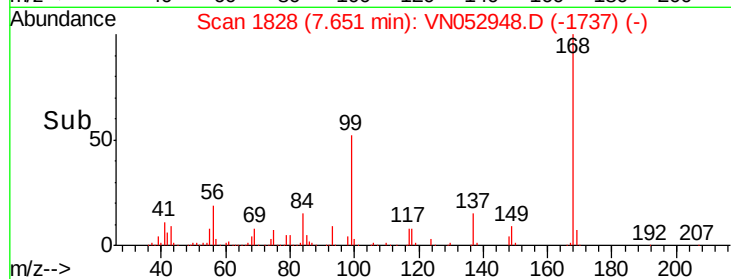
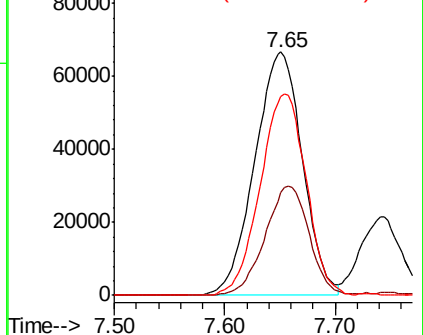
#31
Cyclohexane
Concen: 8.898 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.01 min
Lab File: VN052948.D
Acq: 18 Dec 2018 1:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 199722
Ion Ratio Lower Upper
56 100
69 42.4 26.6 39.8#
84 81.5 68.4 102.6

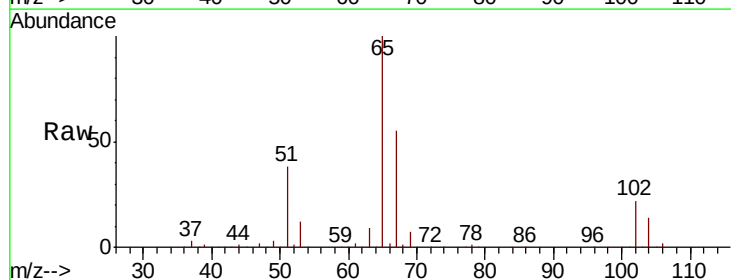


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

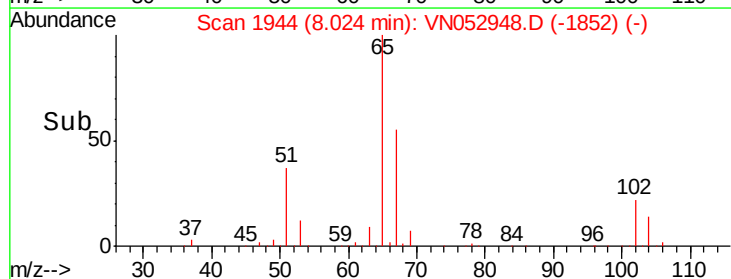
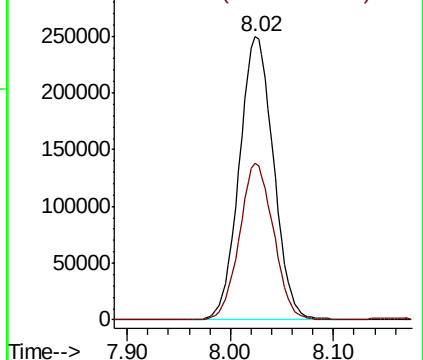


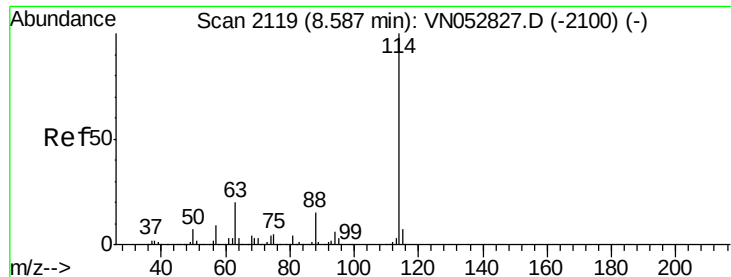
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN052948.D
Acq: 18 Dec 2018 1:25

Tgt Ion: 65 Resp: 575854
Ion Ratio Lower Upper
65 100
67 54.9 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



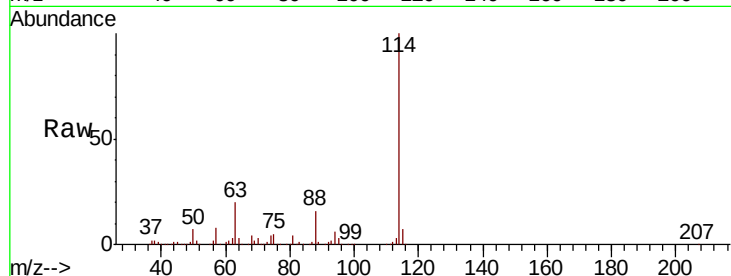


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052948.D
 Acq: 18 Dec 2018 1:25

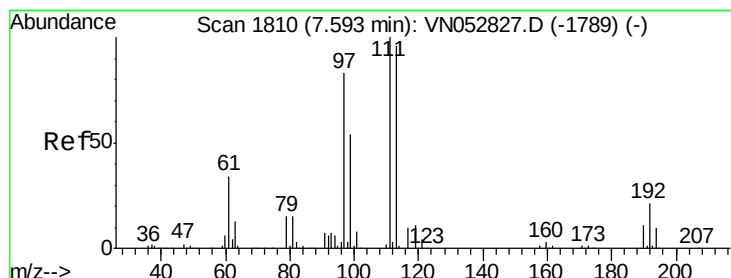
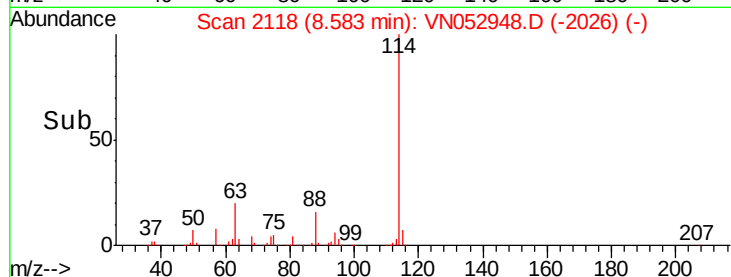
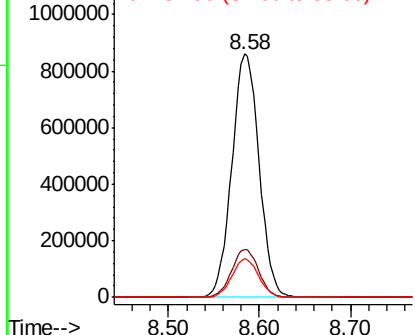
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1793209

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.8
88	15.8	0.0	31.0



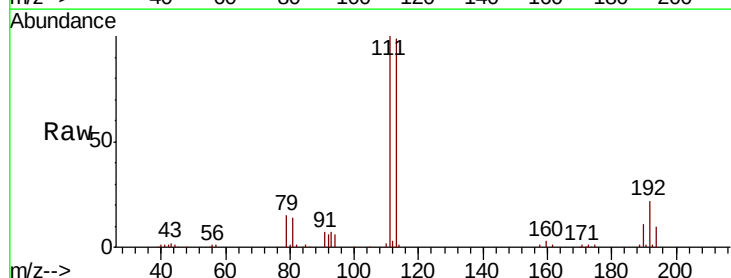
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



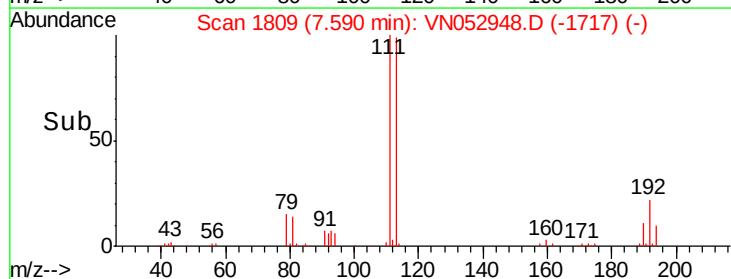
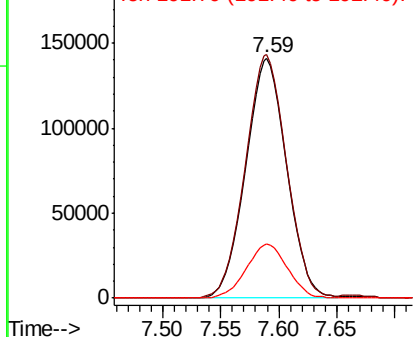
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052948.D
 Acq: 18 Dec 2018 1:25

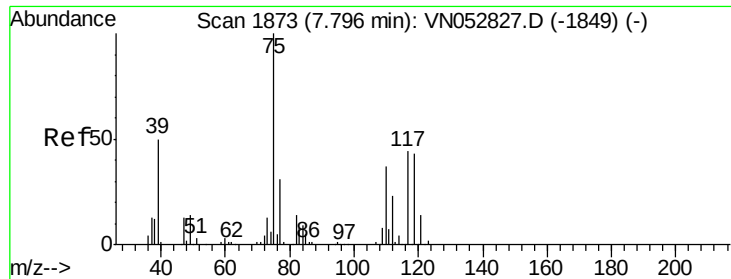
Tgt Ion:113 Resp: 347091

Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.0	124.4
192	22.7	17.5	26.3



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

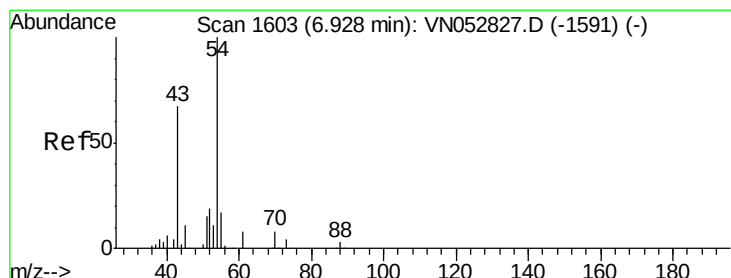
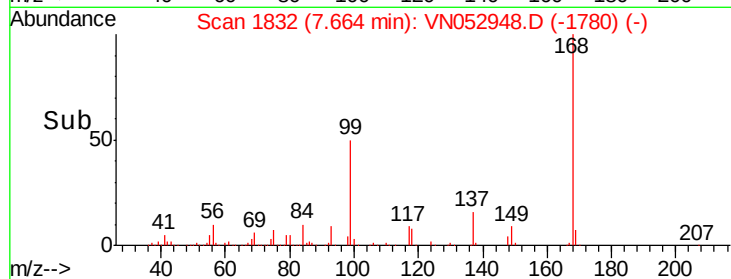
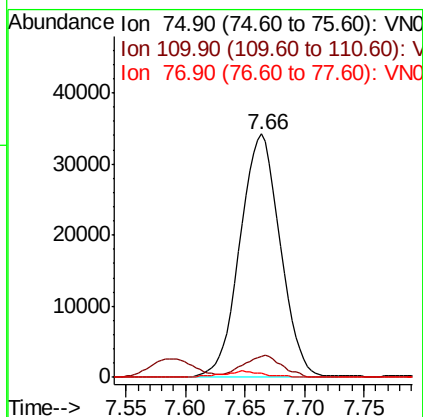
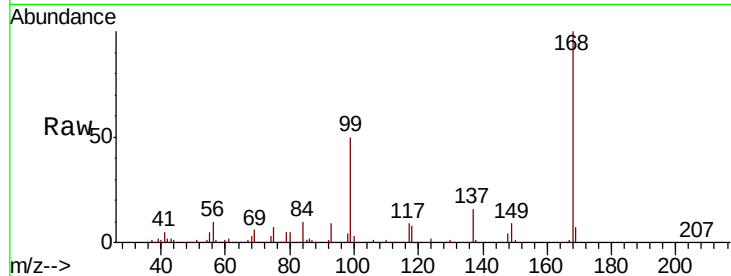




#36
 1,1-Dichloropropene
 Concen: 4.856 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052948.D
 Acq: 18 Dec 2018 1:25

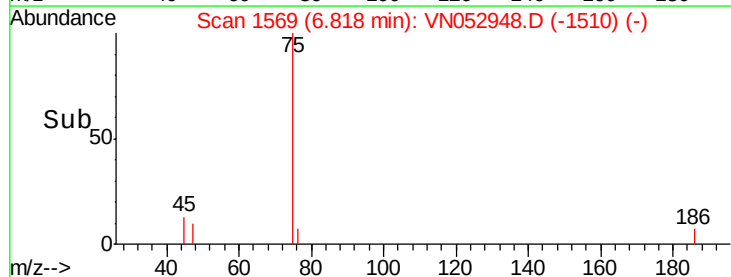
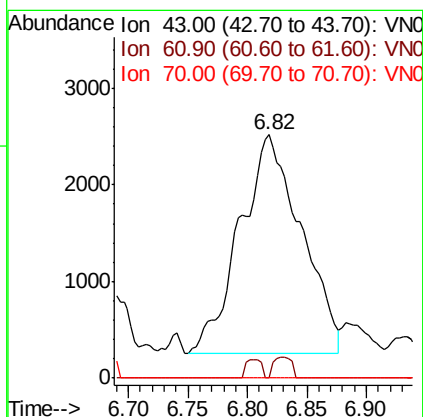
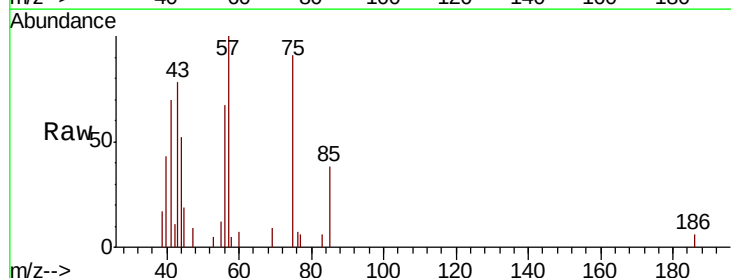
Instrument :
 MSVOA_N
 ClientSampled :

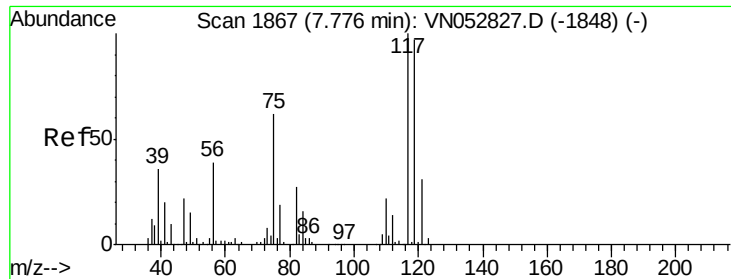
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	2.6	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 0.813 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.11 min
 Lab File: VN052948.D
 Acq: 18 Dec 2018 1:25

Tgt Ion	Ratio	Lower	Upper
43	100		
61	2.8	11.8	17.6#
70	0.0	8.4	12.6#

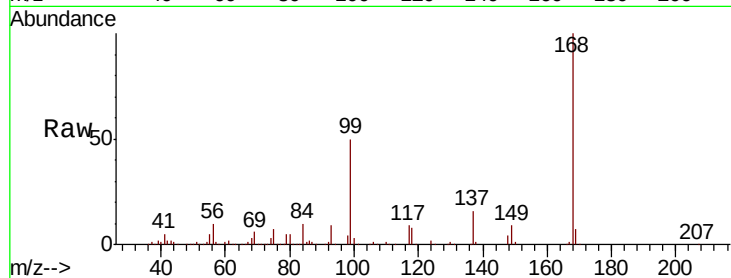




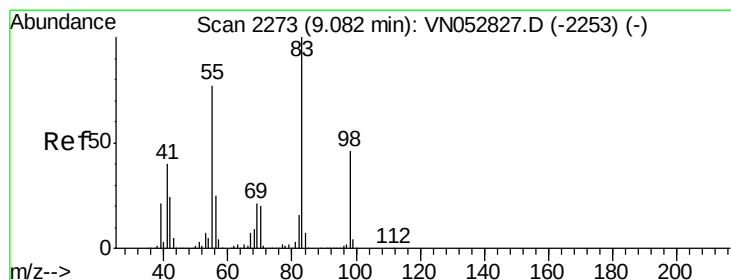
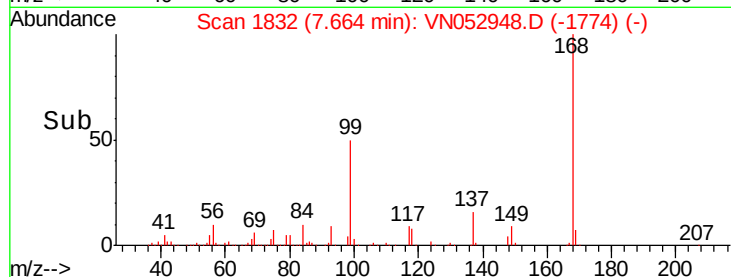
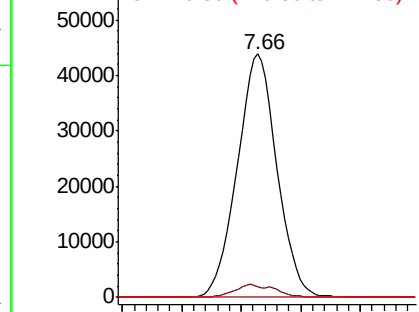
#38
Carbon Tetrachloride
Concen: 6.648 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN052948.D
Acq: 18 Dec 2018 1:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 101052
Ion Ratio Lower Upper
117 100
119 4.5 77.1 115.7#
121 0.0 24.9 37.3#

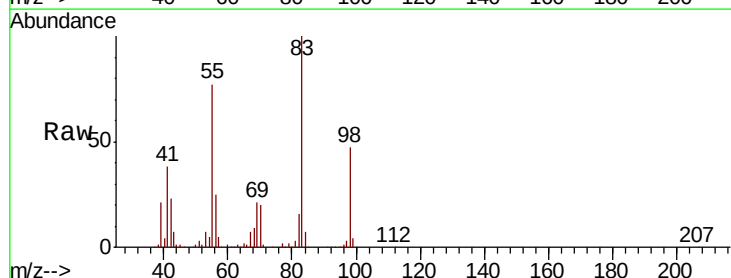


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

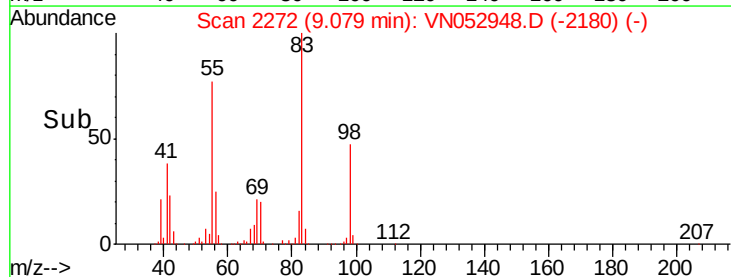
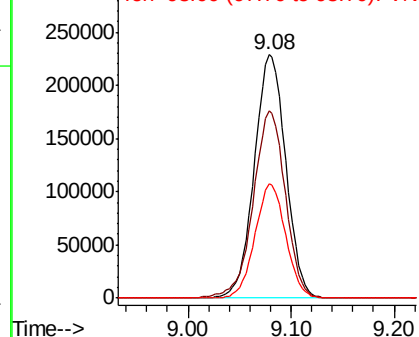


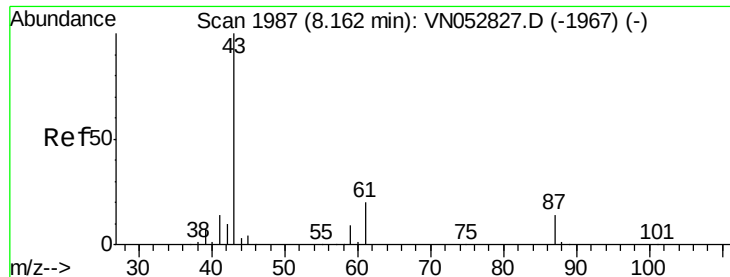
#39
Methylcyclohexane
Concen: 23.899 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN052948.D
Acq: 18 Dec 2018 1:25

Tgt Ion: 83 Resp: 484292
Ion Ratio Lower Upper
83 100
55 76.6 61.3 91.9
98 47.1 37.0 55.4



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





#43

Isopropyl Acetate

Concen: 2.664 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.01 min

Lab File: VN052948.D

Acq: 18 Dec 2018 1:25

Instrument :

MSVOA_N

ClientSampleId :

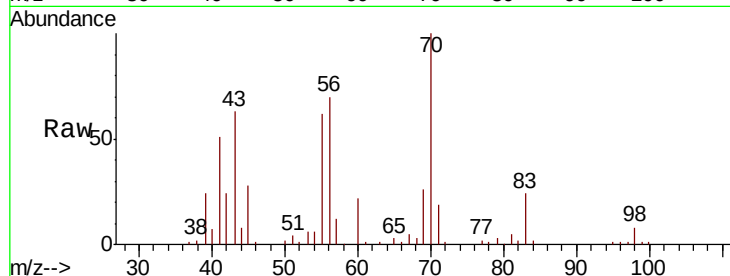
Tot Ion: 43 Resp: 54190

Ion Ratio Lower Upper

43 100

61 0.8 22.9 34.3#

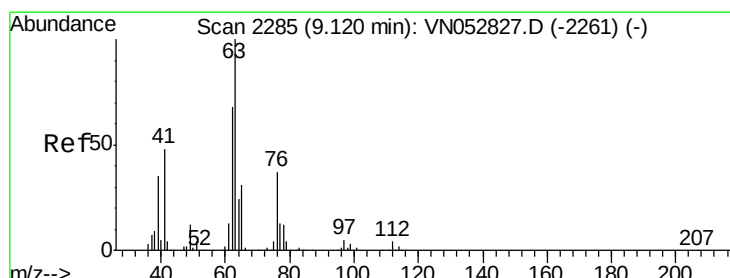
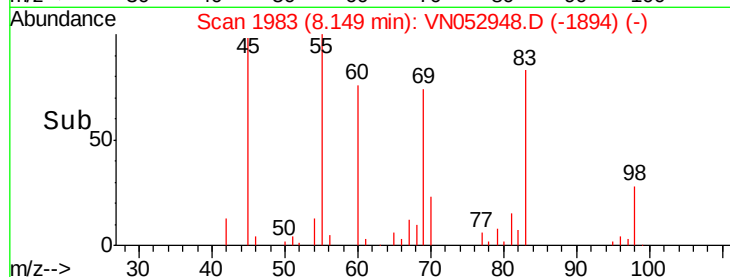
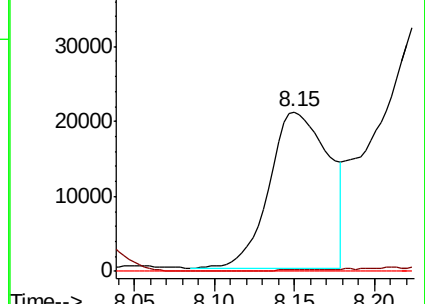
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052827.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052827.D (-1967) (-)



#45

1,2-Dichloropropane

Concen: 0.275 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.04 min

Lab File: VN052948.D

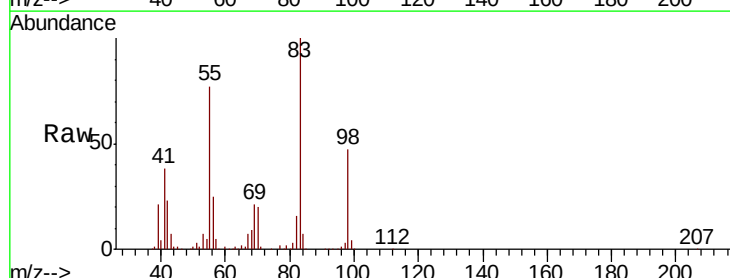
Acq: 18 Dec 2018 1:25

Tgt Ion: 63 Resp: 3568

Ion Ratio Lower Upper

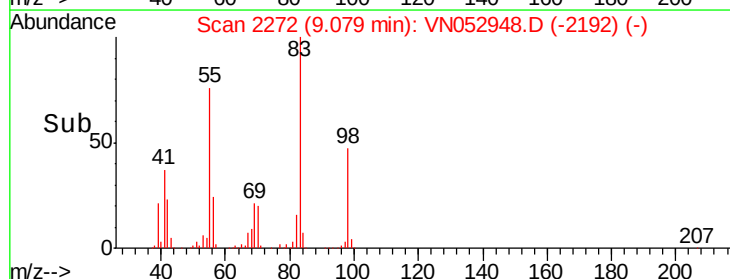
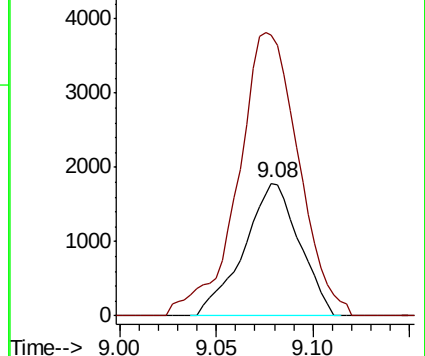
63 100

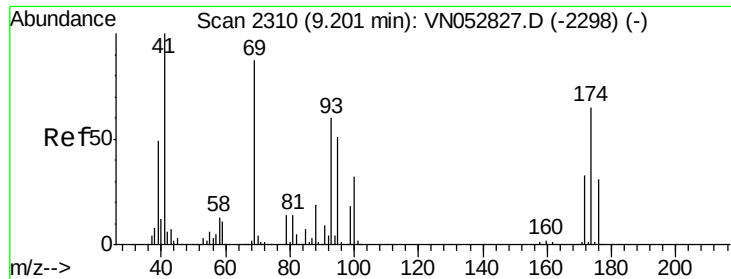
65 200.8 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VN052827.D (-2261) (-)

Ion 64.90 (64.60 to 65.60): VN052827.D (-2261) (-)

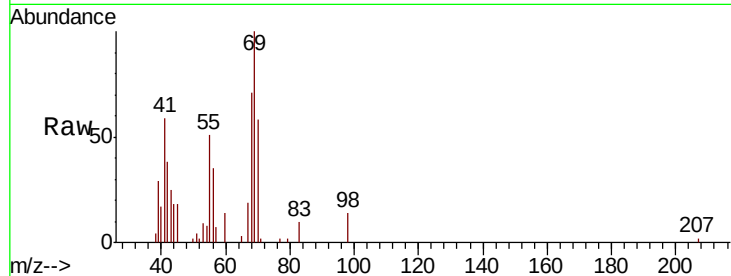




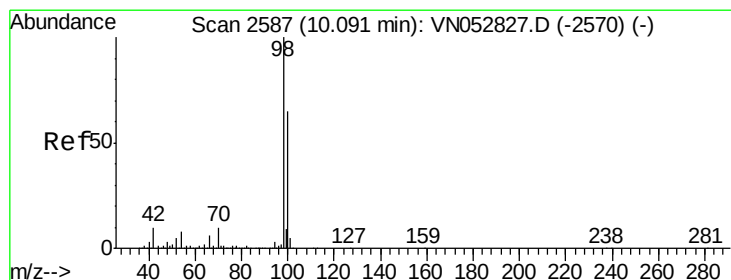
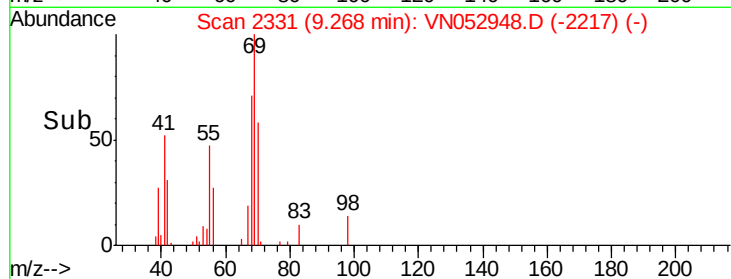
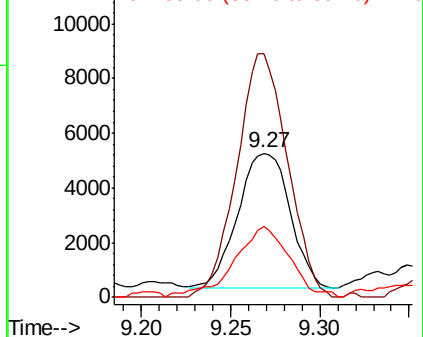
#48
Methvl methacrylate
Concen: 1.116 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN052948.D
Acq: 18 Dec 2018 1:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 9958
Ion Ratio Lower Upper
41 100
69 177.0 72.2 108.2#
39 56.1 41.9 62.9

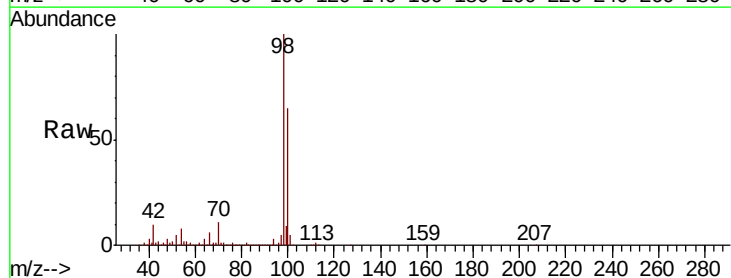


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

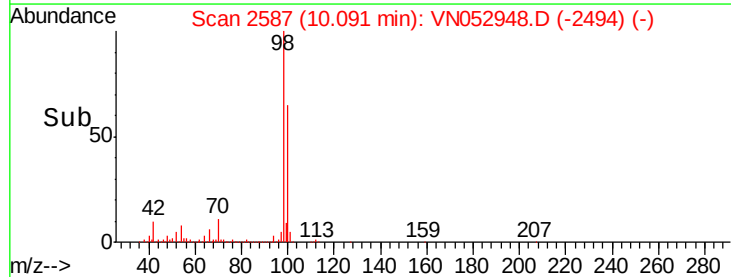
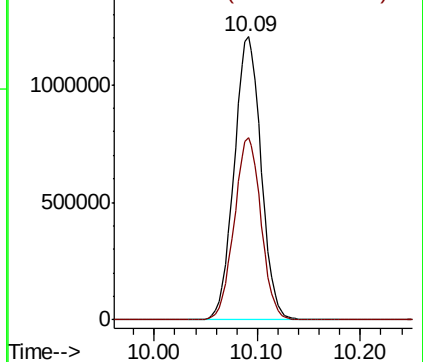


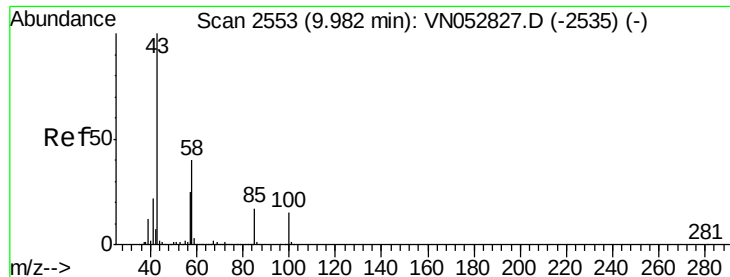
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052948.D
Acq: 18 Dec 2018 1:25

Tgt Ion: 98 Resp: 2192325
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



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





#51

4-Methyl-2-Pentanone

Concen: 6.866 ug/l

RT: 9.87 min Scan# 2519

Delta R.T. -0.11 min

Lab File: VN052948.D

Acq: 18 Dec 2018 1:25

Instrument :

MSVOA_N

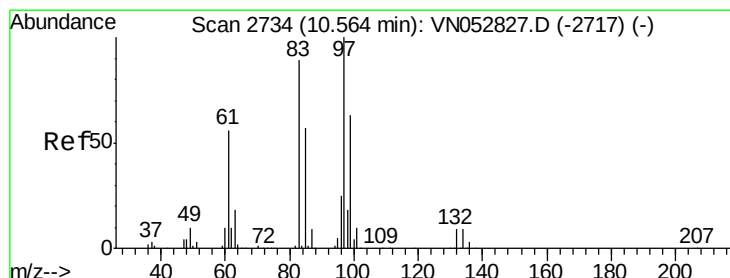
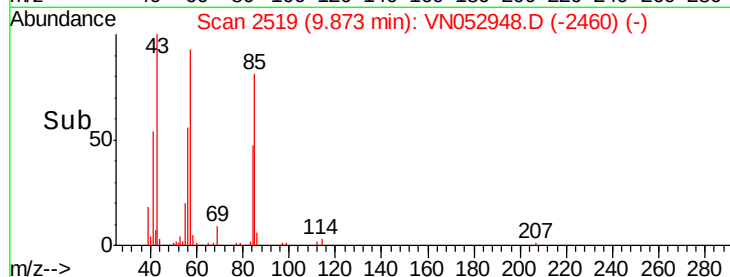
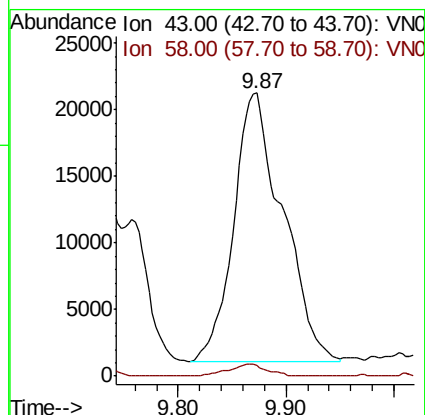
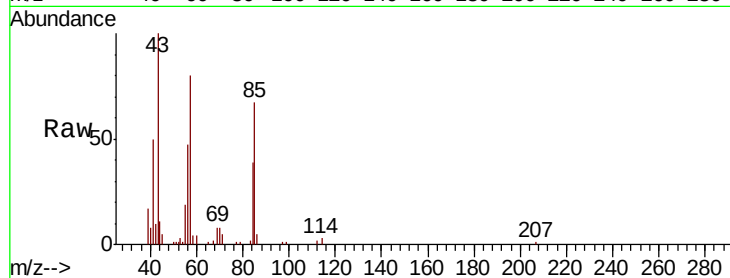
ClientSampleId :

Tot Ion: 43 Resp: 64035

Ion Ratio Lower Upper

43 100

58 3.5 32.2 48.4#



#55

1,1,2-Trichloroethane

Concen: 3.197 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.04 min

Lab File: VN052948.D

Acq: 18 Dec 2018 1:25

Tgt Ion: 97 Resp: 34254

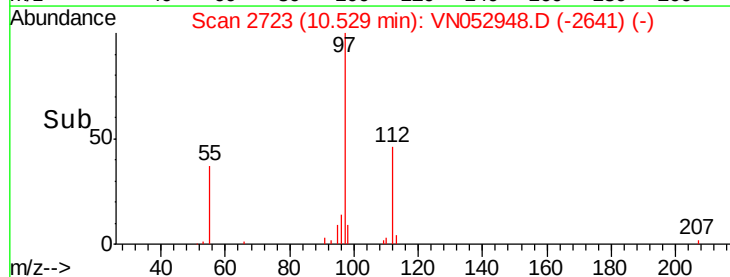
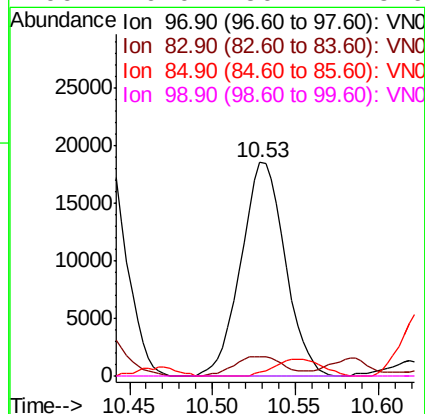
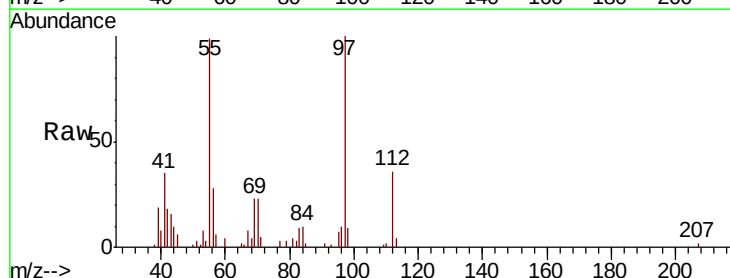
Ion Ratio Lower Upper

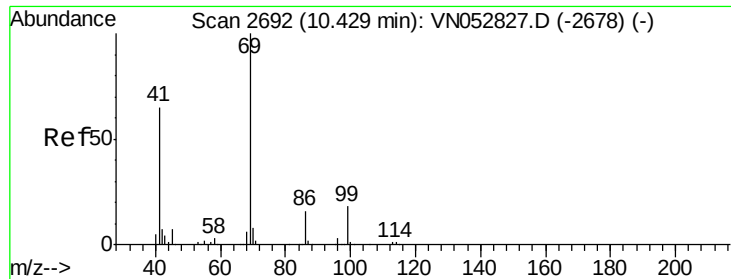
97 100

83 9.1 70.9 106.3#

85 0.8 45.4 68.2#

99 0.0 50.4 75.6#





#56

Ethyl methacrylate

Concen: 0.953 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN052948.D

Acq: 18 Dec 2018 1:25

Instrument :

MSVOA_N

ClientSampleId :

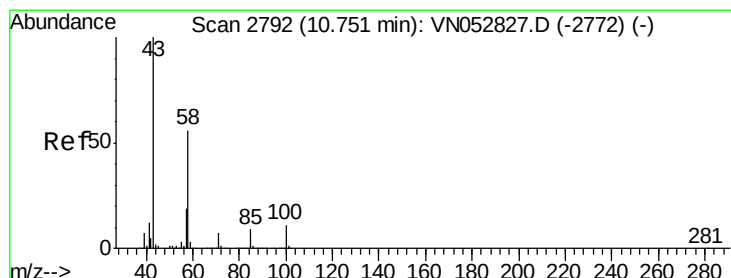
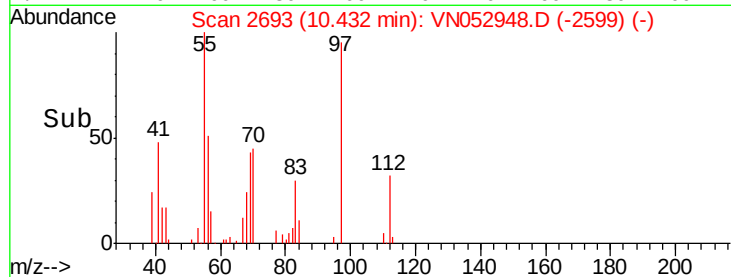
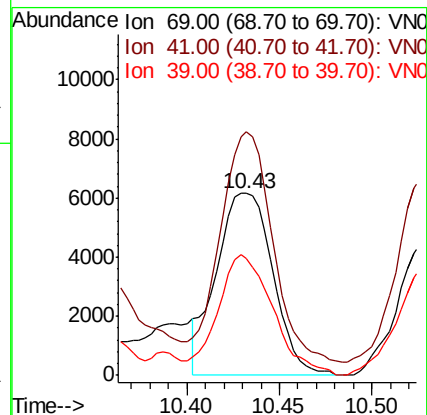
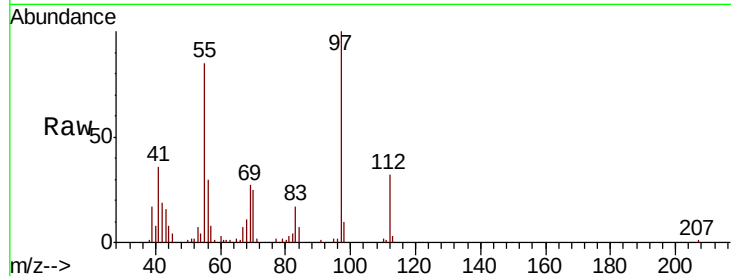
Tot Ion: 69 Resp: 13105

Ion Ratio Lower Upper

69 100

41 116.1 51.7 77.5#

39 64.5 24.6 37.0#



#59

2-Hexanone

Concen: 5.077 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN052948.D

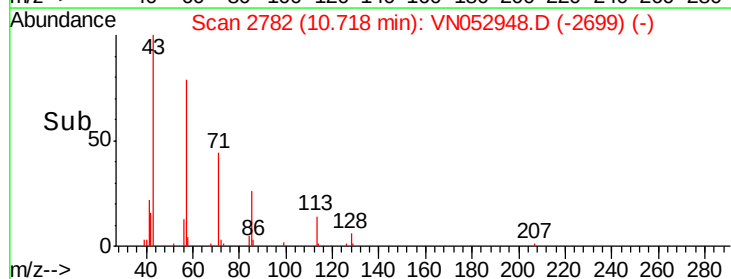
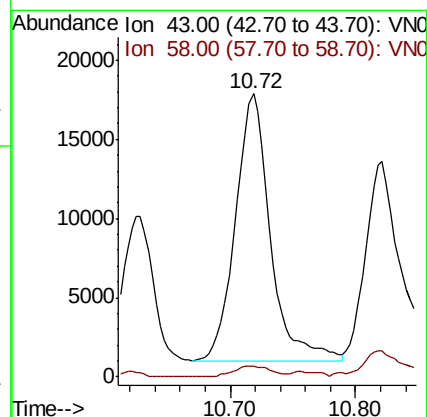
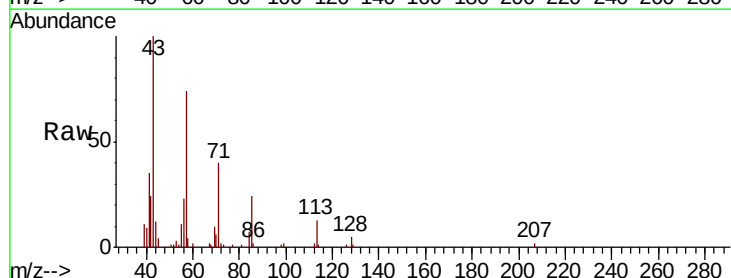
Acq: 18 Dec 2018 1:25

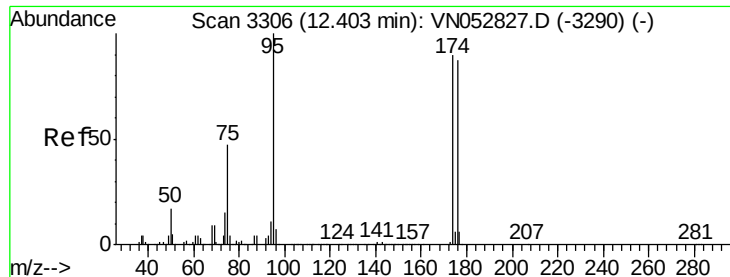
Tgt Ion: 43 Resp: 32450

Ion Ratio Lower Upper

43 100

58 4.3 28.1 84.3#

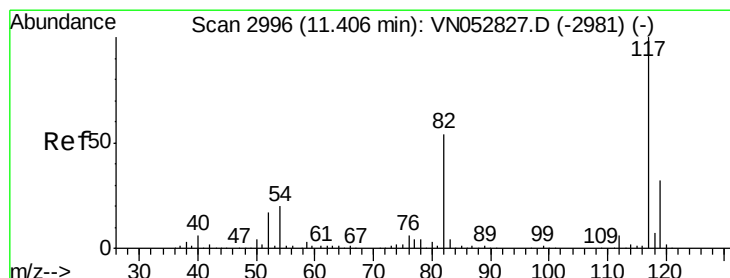
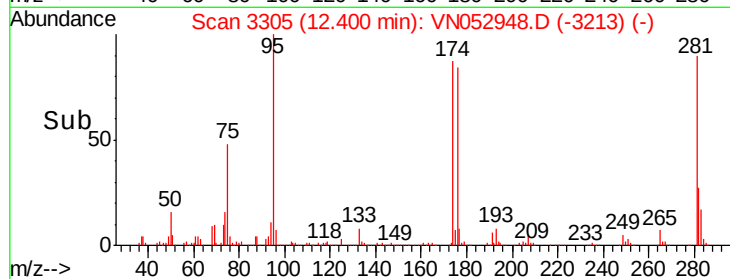
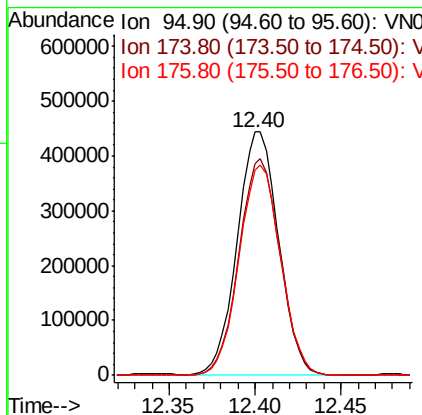
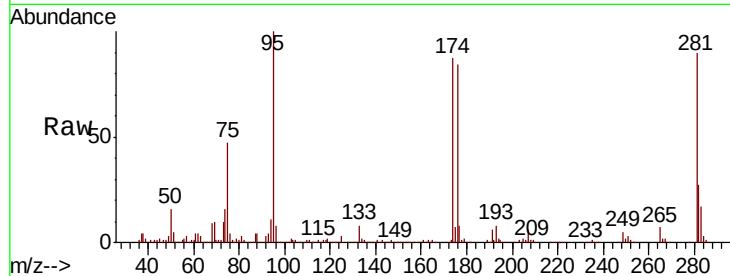




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052948.D
Acq: 18 Dec 2018 1:25

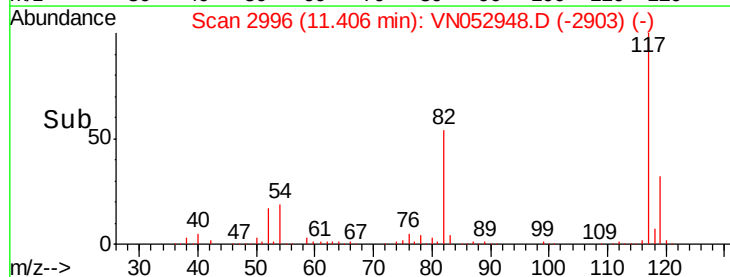
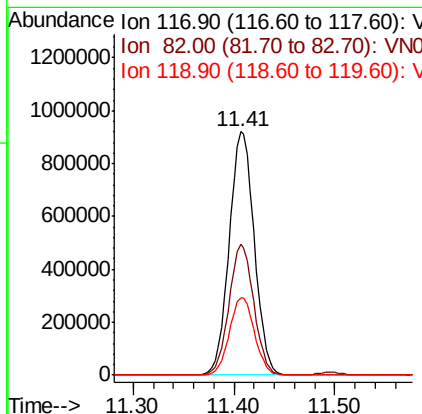
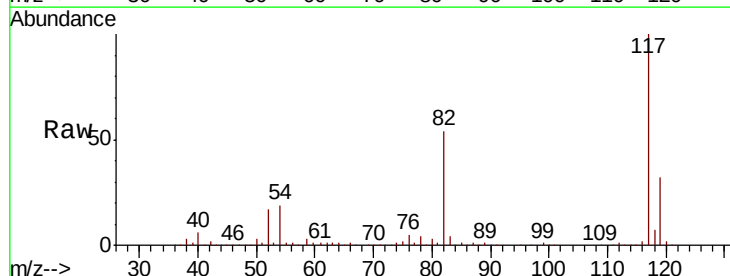
Instrument :
MSVOA_N
ClientSampleId :

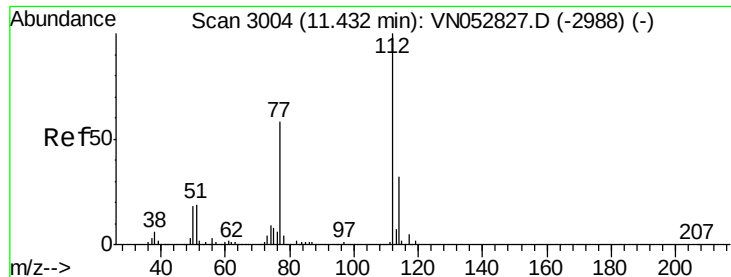
Tot Ion: 95 Resp: 741396
Ion Ratio Lower Upper
95 100
174 88.4 0.0 178.8
176 87.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052948.D
Acq: 18 Dec 2018 1:25

Tgt Ion: 117 Resp: 1590122
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 31.9 25.5 38.3

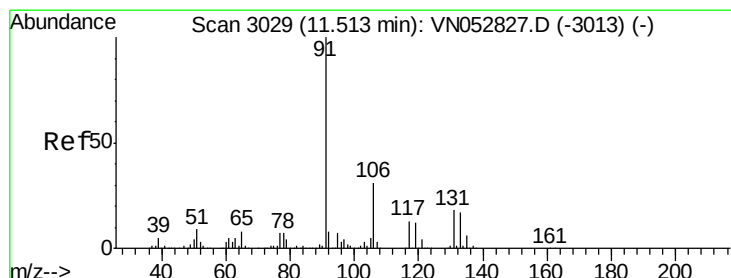
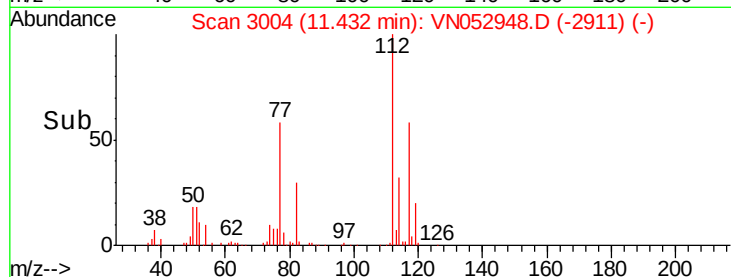
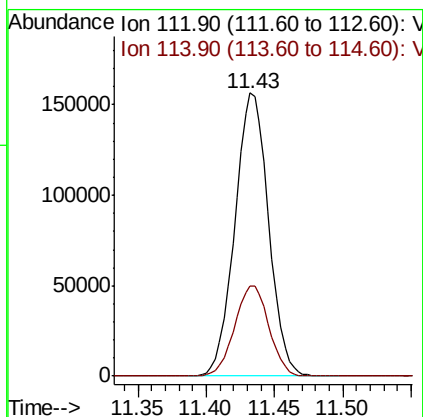
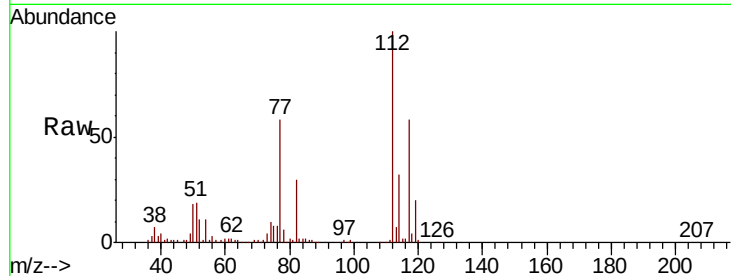




#65
Chlorobenzene
Concen: 8.122 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052948.D
Acq: 18 Dec 2018 1:25

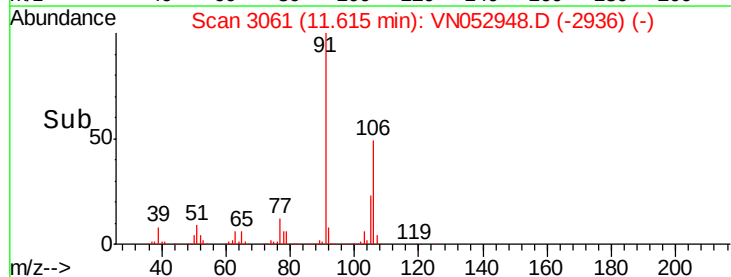
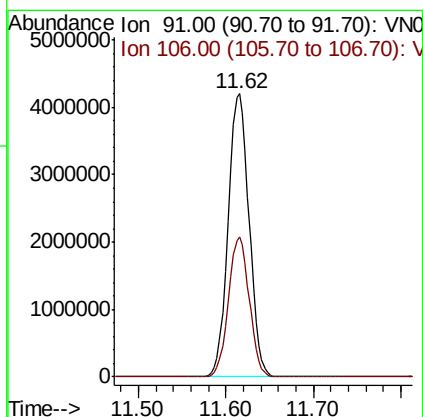
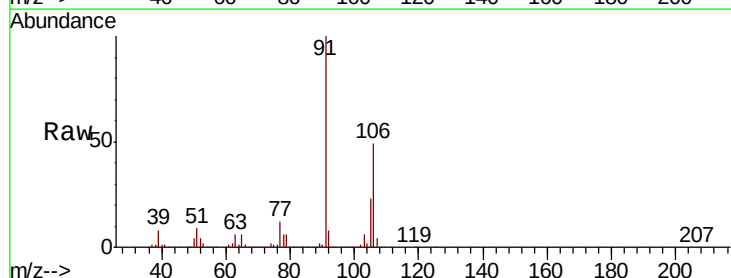
Instrument :
MSVOA_N
ClientSampled :

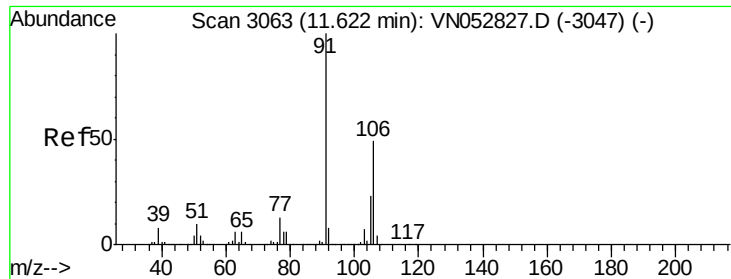
Tot Ion:112 Resp: 267944
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3



#67
Ethyl Benzene
Concen: 122.728 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.10 min
Lab File: VN052948.D
Acq: 18 Dec 2018 1:25

Tgt Ion: 91 Resp: 6952894
Ion Ratio Lower Upper
91 100
106 49.4 24.9 37.3#

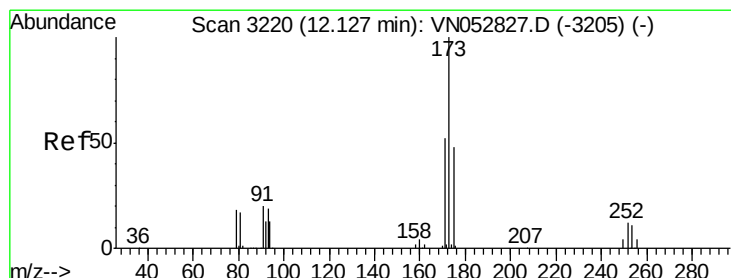
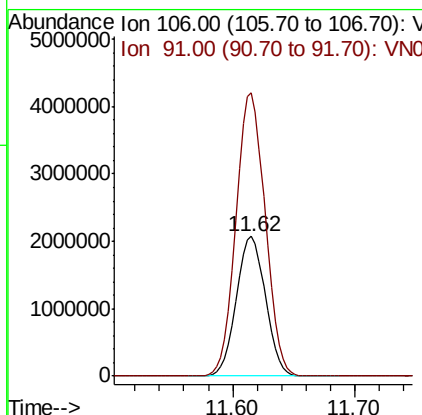
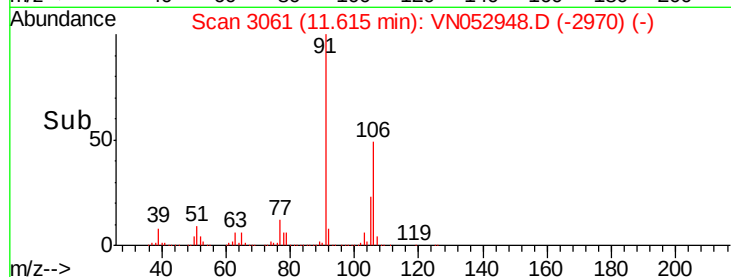
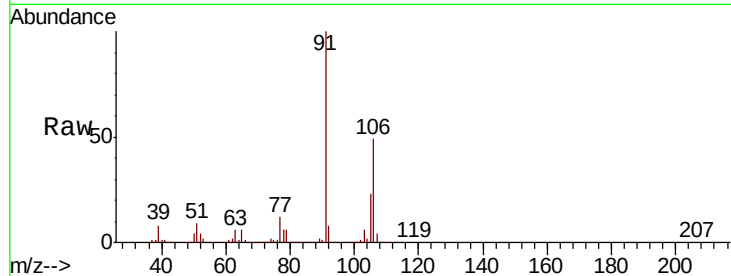




#68
m/p-Xvlenes
Concen: 160.868 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN052948.D
Acq: 18 Dec 2018 1:25

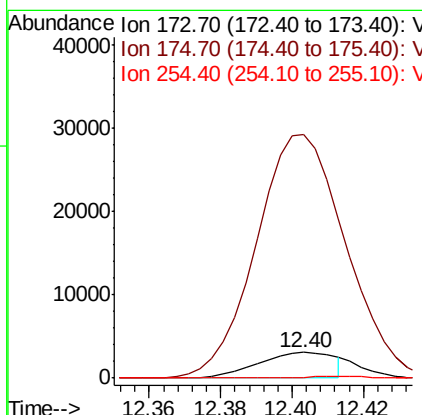
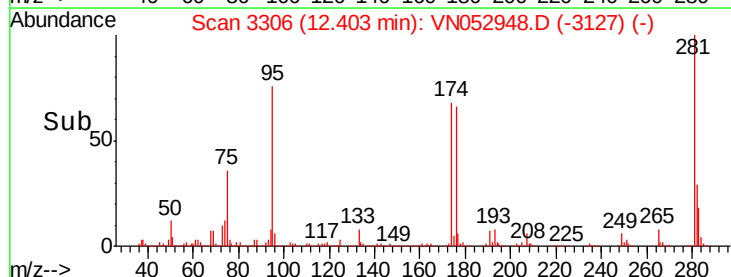
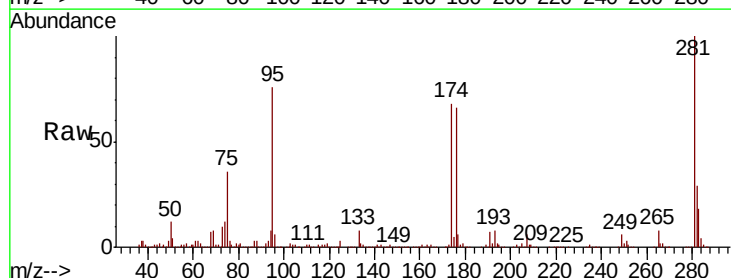
Instrument :
MSVOA_N
ClientSampled :

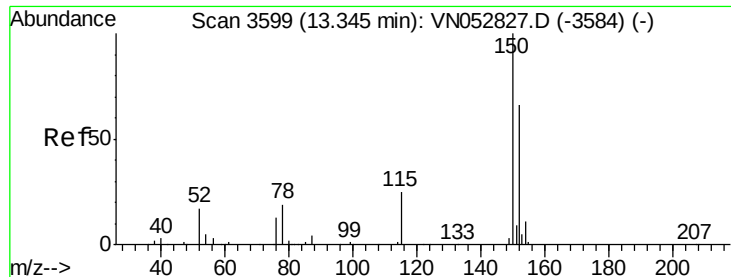
Tot Ion:106 Resp: 3422083
Ion Ratio Lower Upper
106 100
91 203.2 162.2 243.4



#71
Bromoform
Concen: 0.587 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052948.D
Acq: 18 Dec 2018 1:25

Tgt Ion:173 Resp: 4572
Ion Ratio Lower Upper
173 100
175 937.3 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052948.D

Acq: 18 Dec 2018 1:25

Instrument :

MSVOA_N

ClientSampleId :

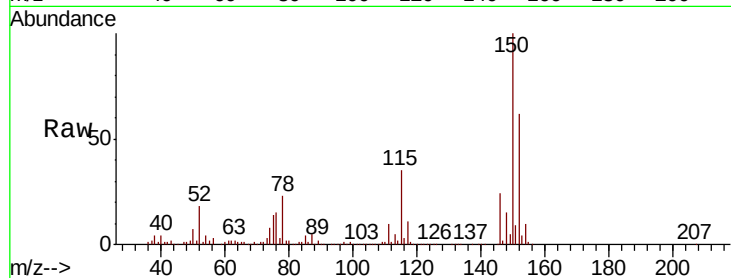
Tot Ion:152 Resp: 725919

Ion Ratio Lower Upper

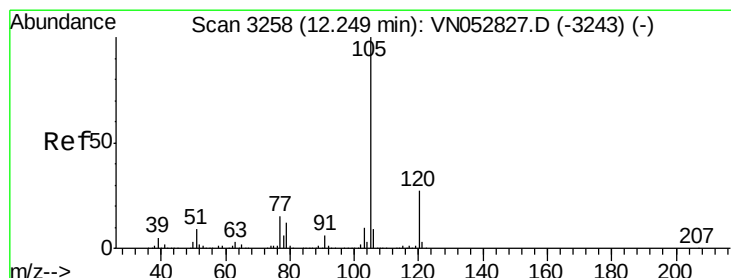
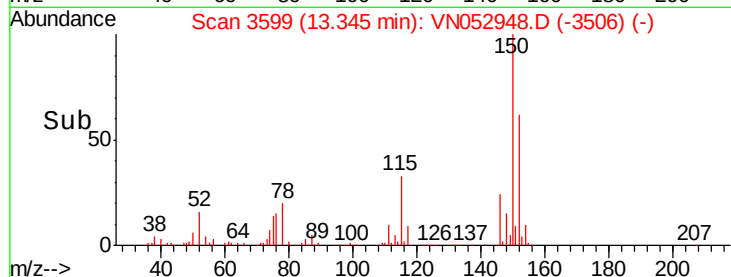
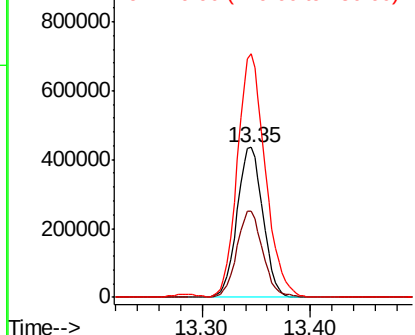
152 100

115 58.1 28.3 85.0

150 175.0 0.0 347.8



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: 1.171 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052948.D

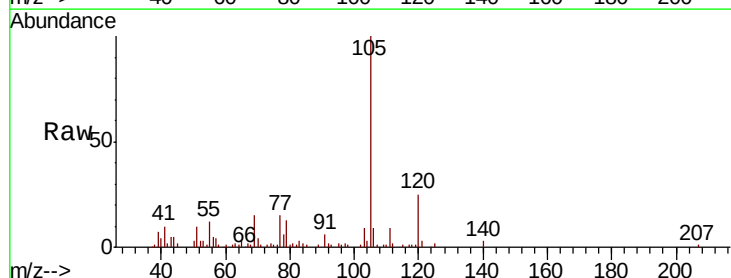
Acq: 18 Dec 2018 1:25

Tgt Ion:105 Resp: 63446

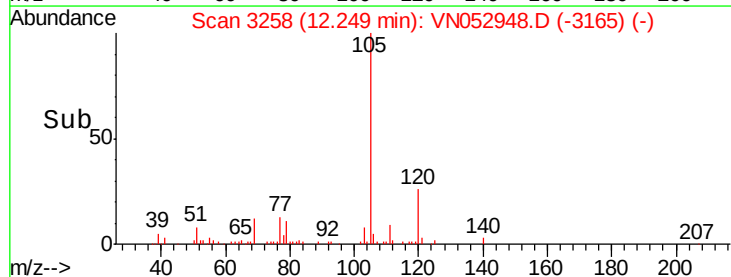
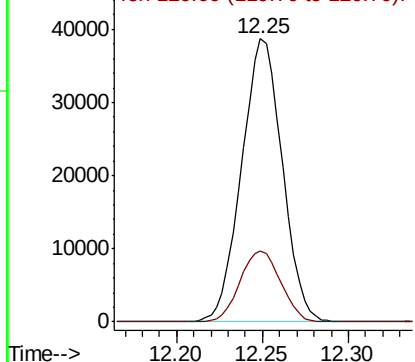
Ion Ratio Lower Upper

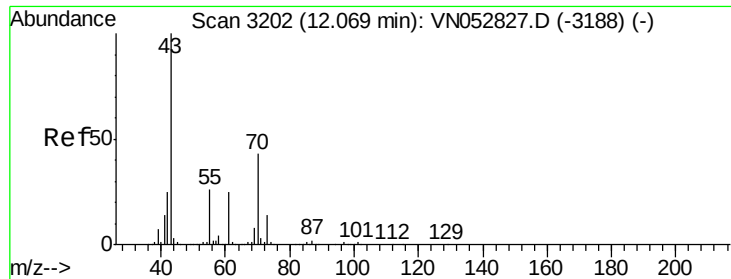
105 100

120 25.0 13.3 39.9



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





#74

N-amvl acetate

Concen: 1.284 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN052948.D

Acq: 18 Dec 2018 1:25

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 19111

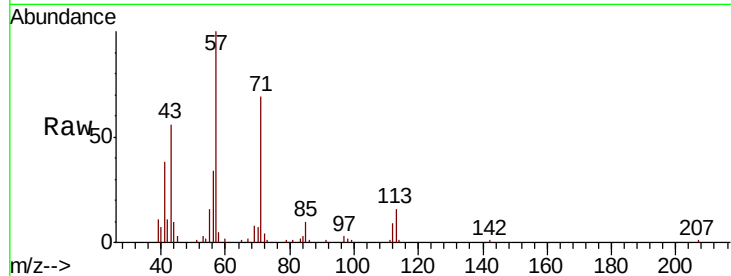
Ion Ratio Lower Upper

43 100

70 11.4 34.2 51.4#

55 9.6 20.3 30.5#

61 0.0 20.0 30.0#

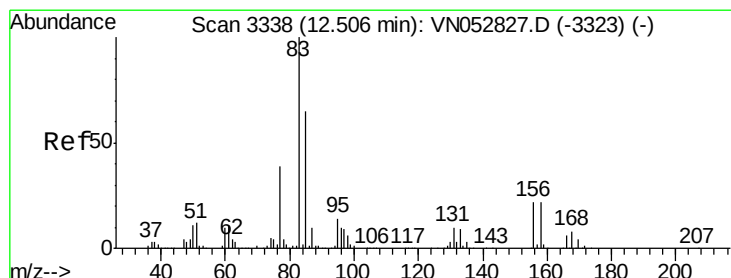
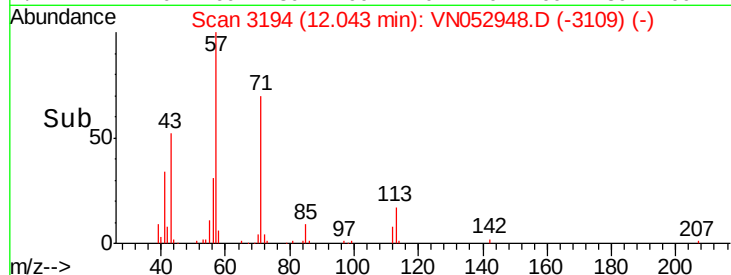
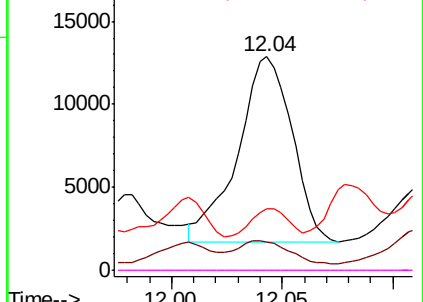


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.998 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.05 min

Lab File: VN052948.D

Acq: 18 Dec 2018 1:25

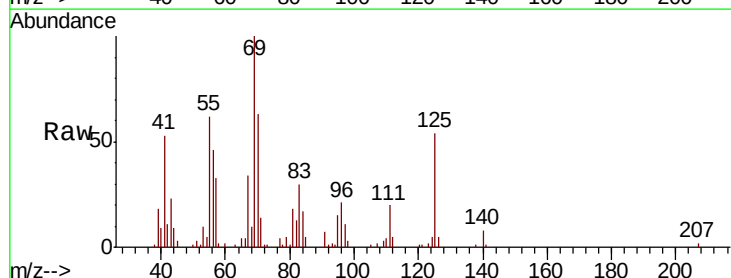
Tgt Ion: 83 Resp: 12126

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

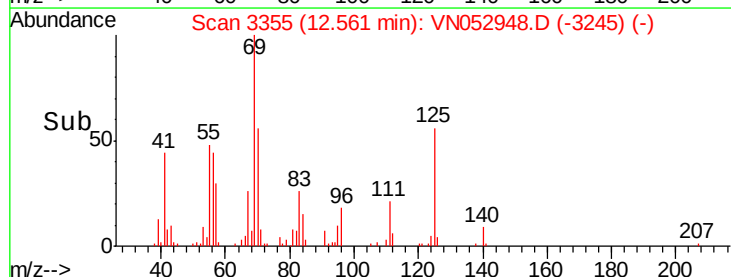
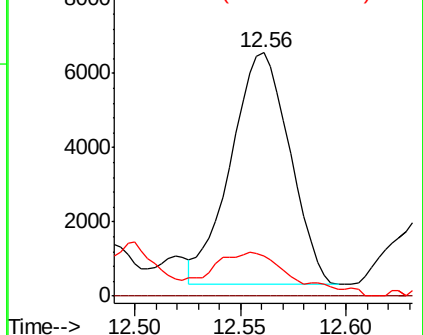
85 23.8 32.4 97.0#

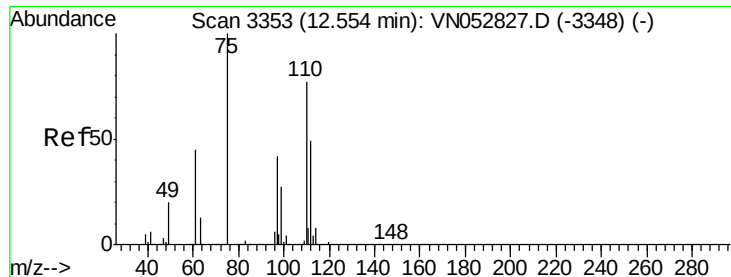


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 33.800 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052948.D

Acq: 18 Dec 2018 1:25

Instrument :

MSVOA_N

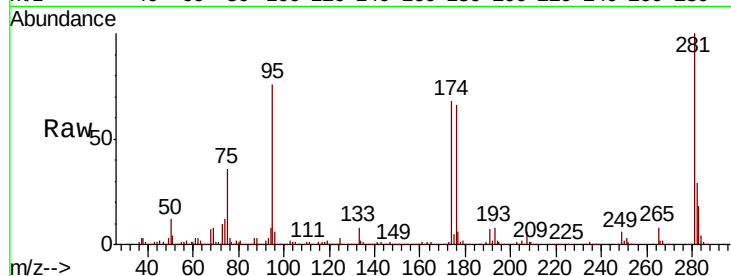
ClientSampled :

Tot Ion: 75 Resp: 361999

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

250000

200000

150000

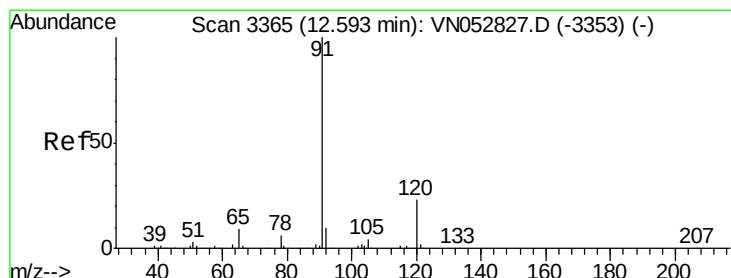
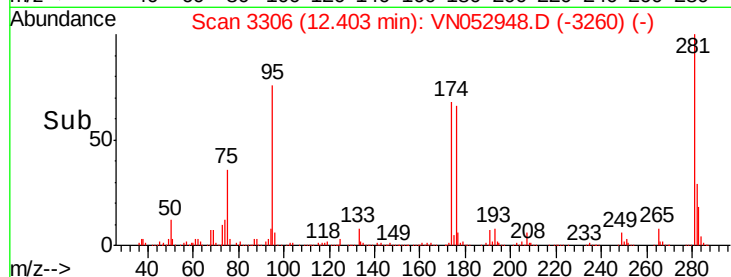
100000

50000

0

12.35 12.40 12.45

Time-->



#78

n-propylbenzene

Concen: 2.104 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052948.D

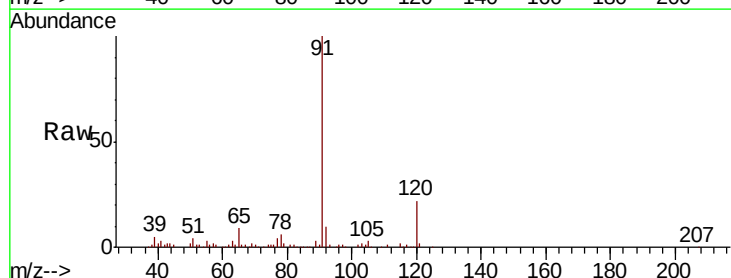
Acq: 18 Dec 2018 1:25

Tgt Ion: 91 Resp: 130062

Ion Ratio Lower Upper

91 100

120 22.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

80000

60000

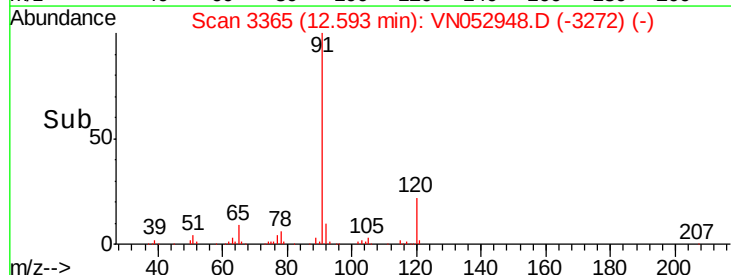
40000

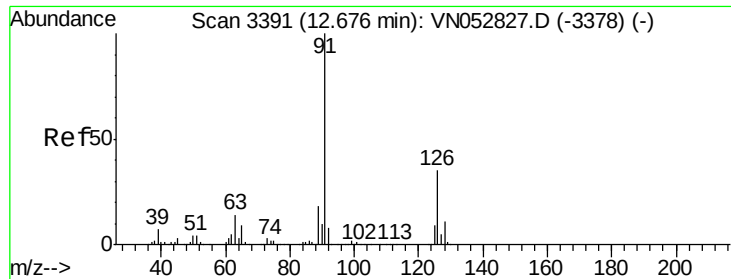
20000

0

12.50 12.55 12.60 12.65

Time-->

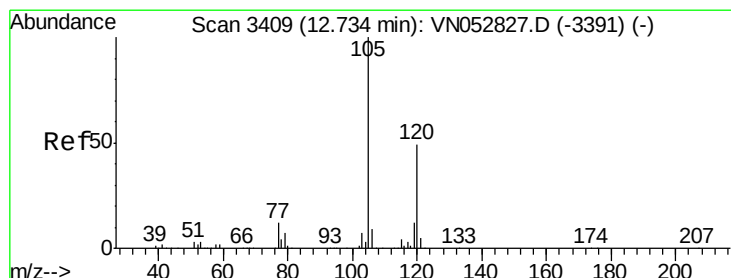
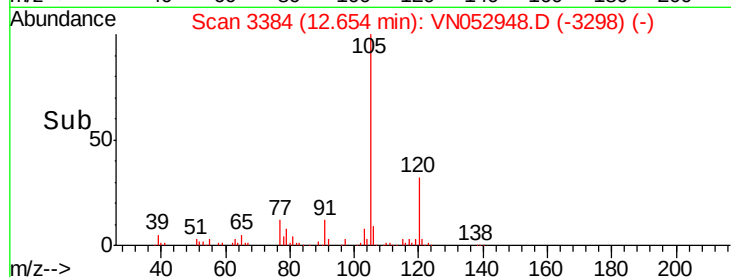
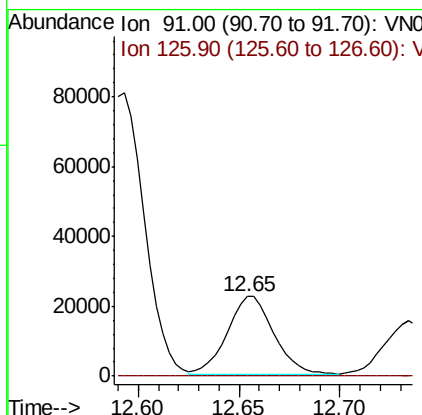
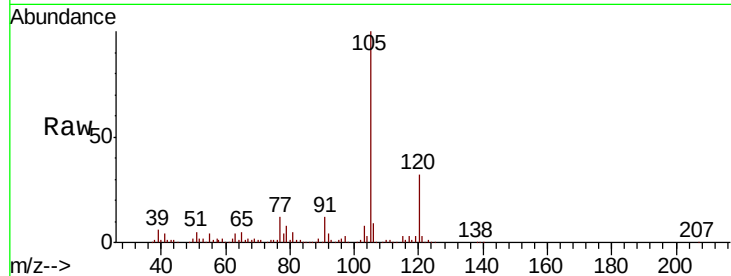




#79
 2-Chlorotoluene
 Concen: 0.977 ug/l
 RT: 12.65 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VN052948.D
 Acq: 18 Dec 2018 1:25

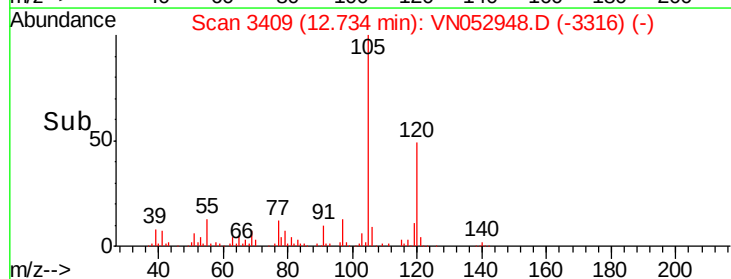
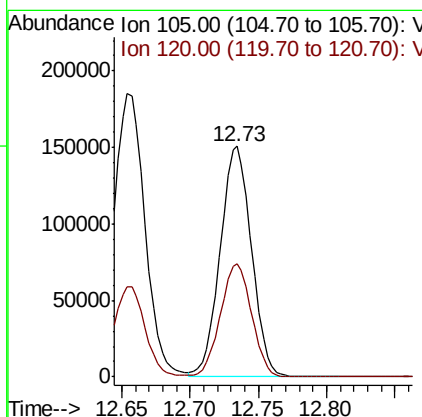
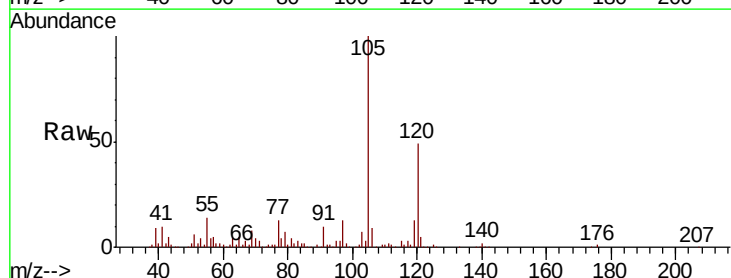
Instrument :
 MSVOA_N
 ClientSampled :

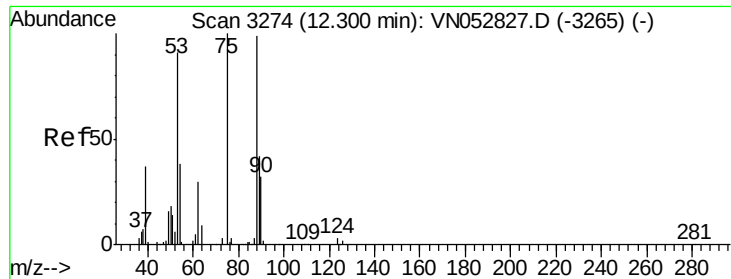
Tot Ion: 91 Resp: 35716
 Ion Ratio Lower Upper
 91 100
 126 0.8 17.4 52.3#



#80
 1,3,5-Trimethylbenzene
 Concen: 5.502 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052948.D
 Acq: 18 Dec 2018 1:25

Tgt Ion: 105 Resp: 240739
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 108.581 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052948.D

Acq: 18 Dec 2018 1:25

Instrument :

MSVOA_N

ClientSampleId :

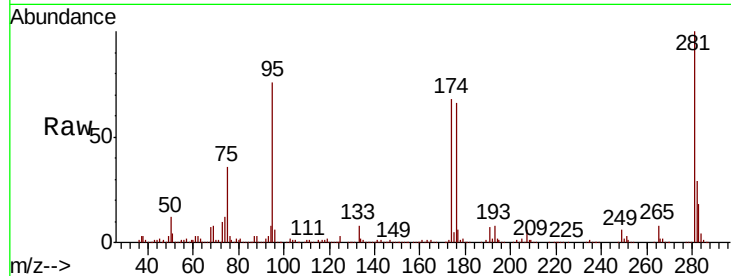
Tot Ion: 75 Resp: 361999

Ion Ratio Lower Upper

75 100

53 0.1 74.7 112.1#

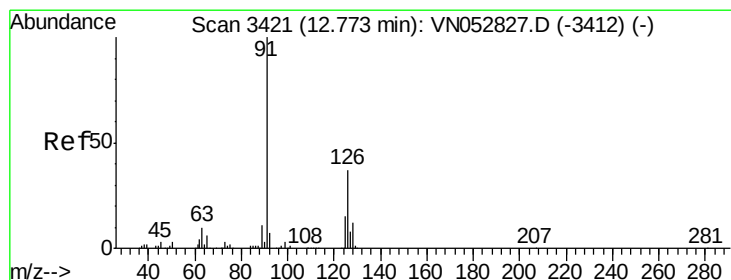
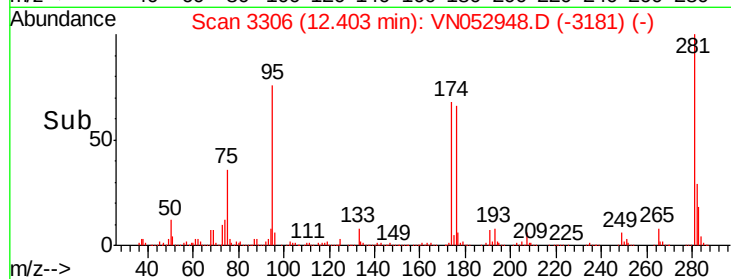
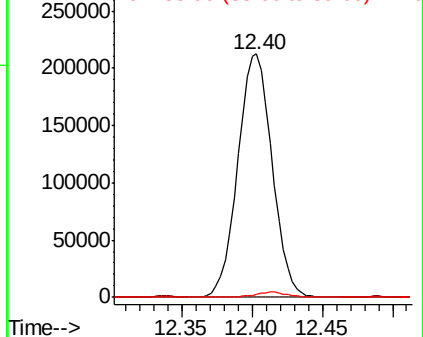
89 2.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.628 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN052948.D

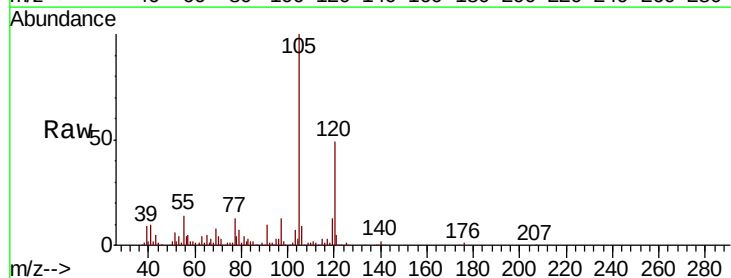
Acq: 18 Dec 2018 1:25

Tgt Ion: 91 Resp: 23452

Ion Ratio Lower Upper

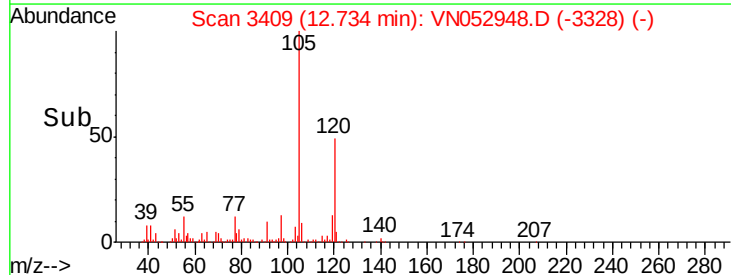
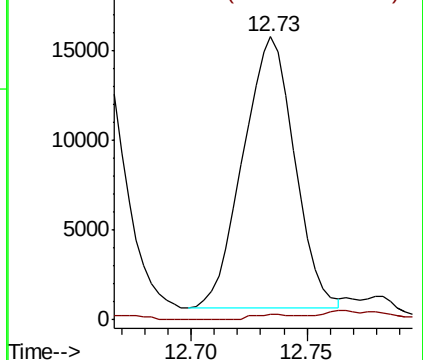
91 100

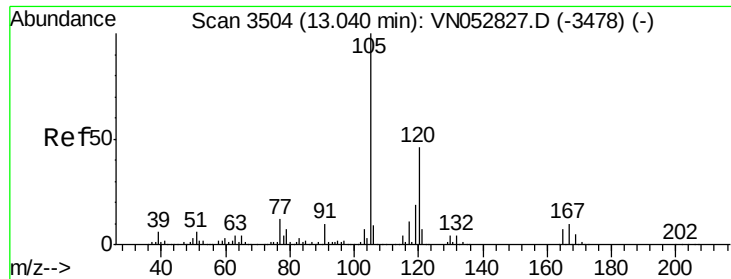
126 1.8 17.3 51.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#84

1,2,4-Trimethylbenzene

Concen: 16.937 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN052948.D

Acq: 18 Dec 2018 1:25

Instrument :

MSVOA_N

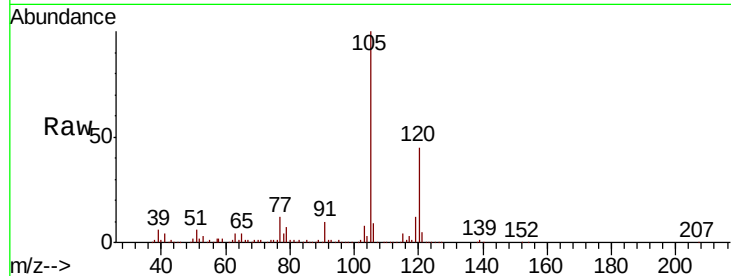
ClientSampled :

Tot Ion:105 Resp: 750219

Ion Ratio Lower Upper

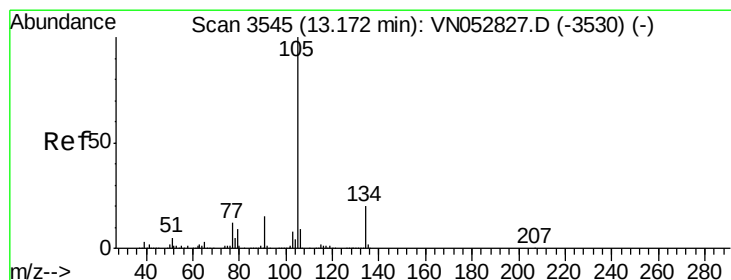
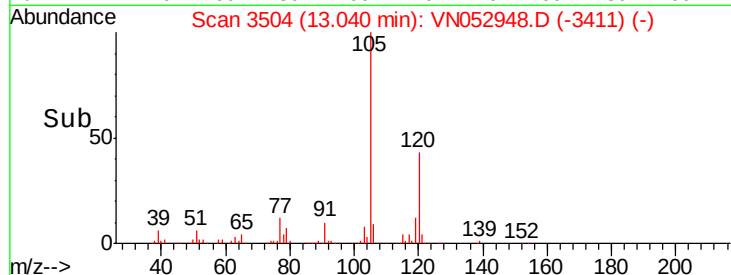
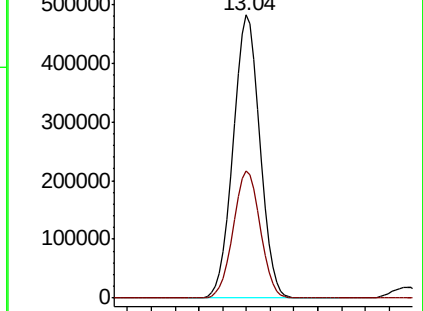
105 100

120 45.5 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.559 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052948.D

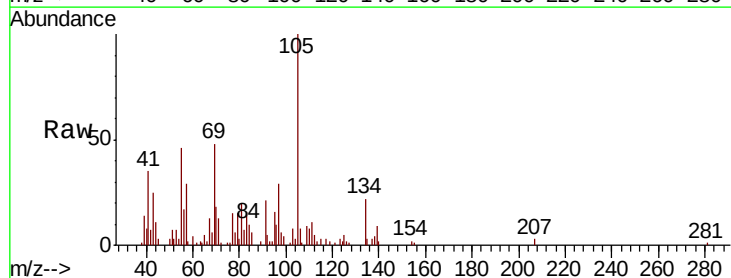
Acq: 18 Dec 2018 1:25

Tgt Ion:105 Resp: 29233

Ion Ratio Lower Upper

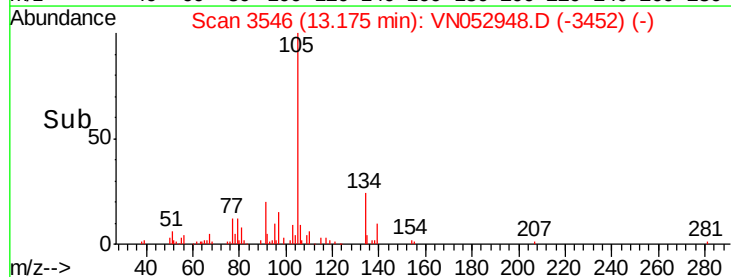
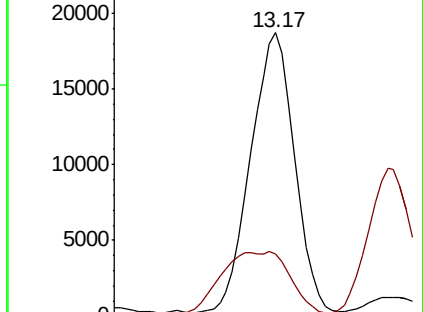
105 100

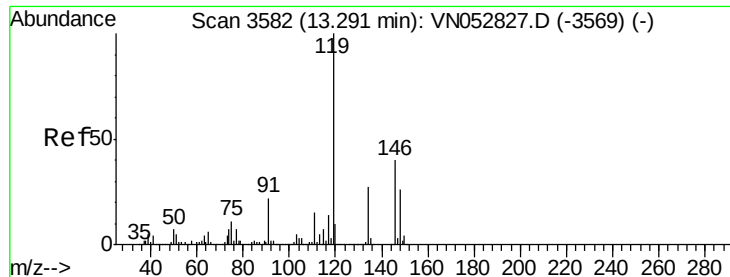
134 20.5 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

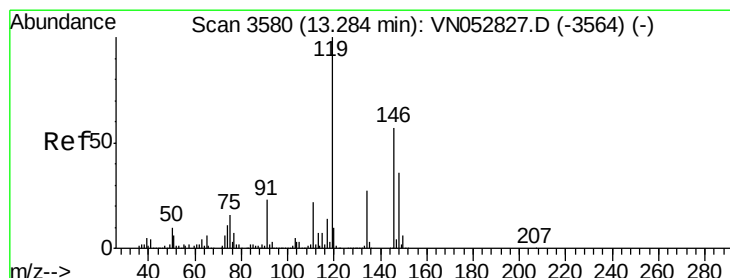
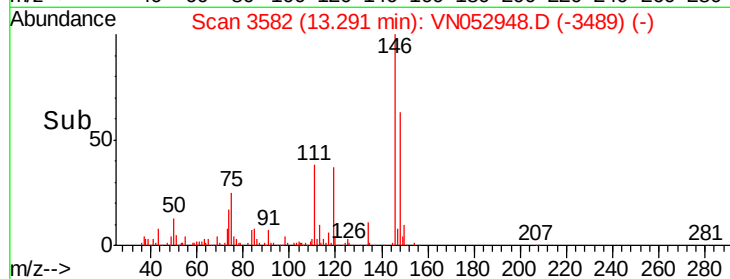
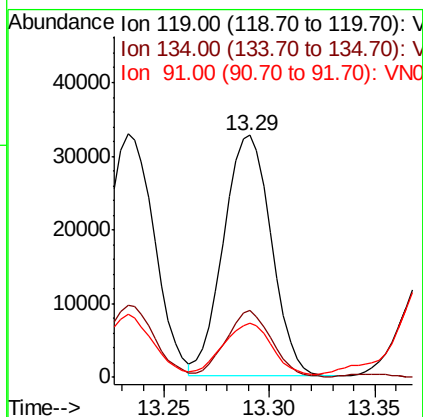
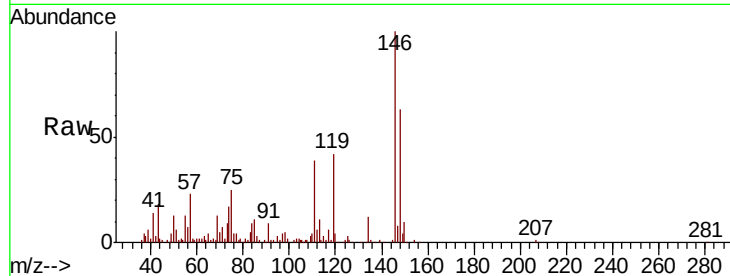




#86
 p-Isopropyltoluene
 Concen: 1.134 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052948.D
 Acq: 18 Dec 2018 1:25

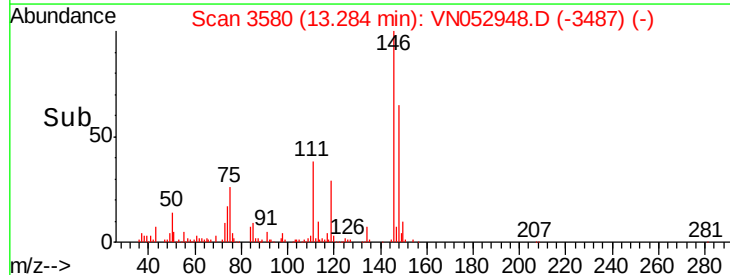
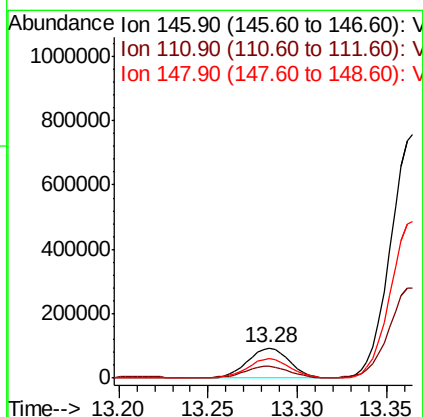
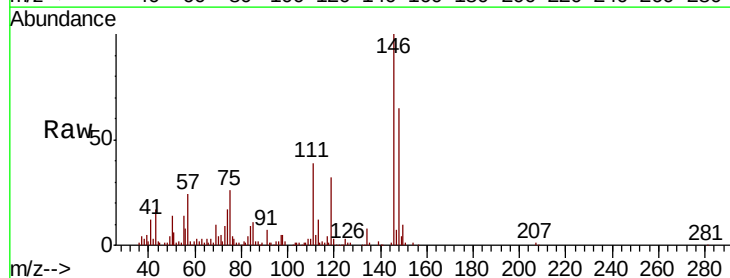
Instrument :
 MSVOA_N
 ClientSampled :

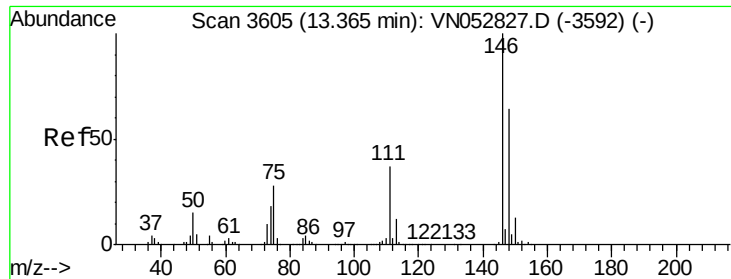
Tot Ion:119 Resp: 51353
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.2
 91 21.2 11.1 33.3



#87
 1,3-Dichlorobenzene
 Concen: 6.319 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052948.D
 Acq: 18 Dec 2018 1:25

Tgt Ion:146 Resp: 154807
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.1 57.1
 148 64.3 32.0 96.0

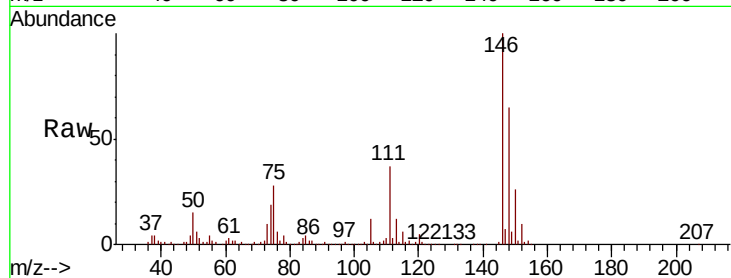




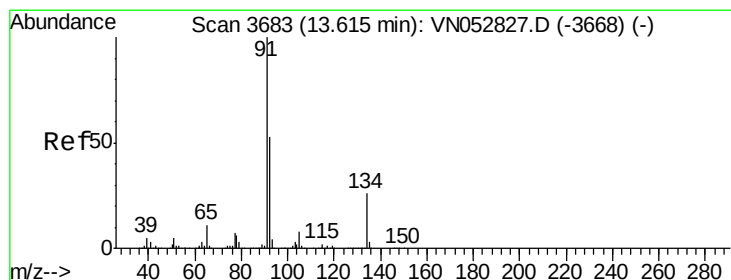
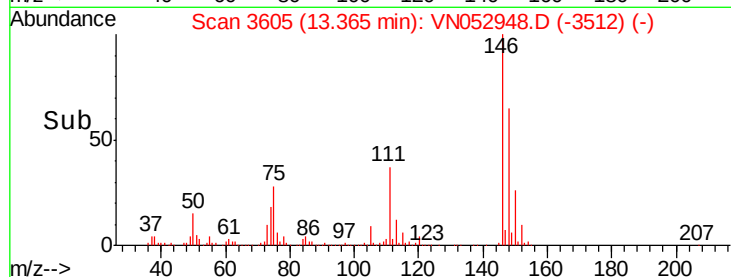
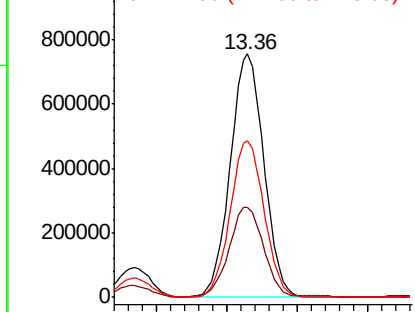
#88
 1,4-Dichlorobenzene
 Concen: 51.899 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052948.D
 Acq: 18 Dec 2018 1:25

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 1259093
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.6 55.8
 148 64.9 32.1 96.5

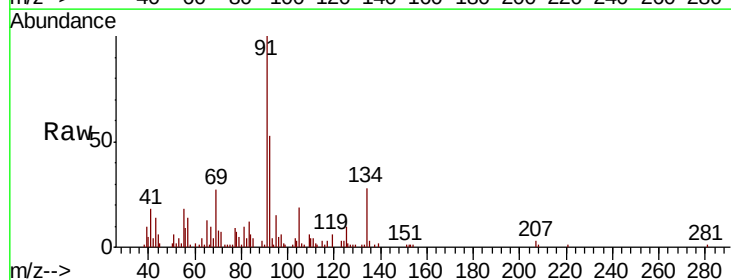


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

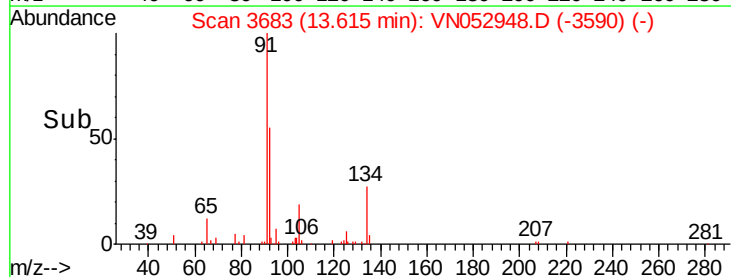
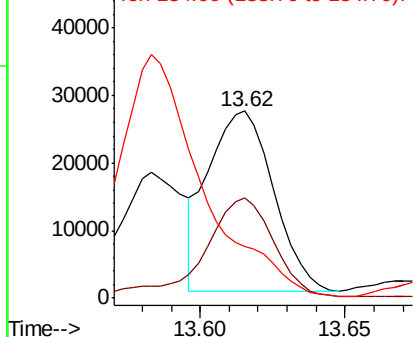


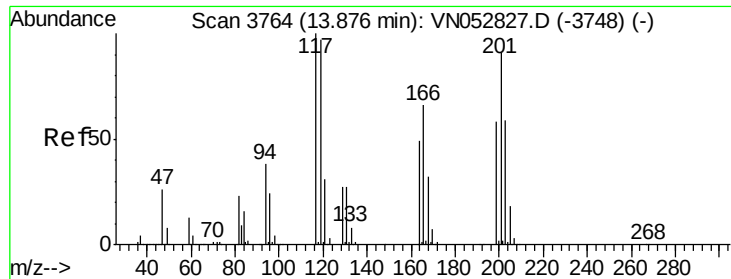
#89
 n-Butylbenzene
 Concen: 1.084 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN052948.D
 Acq: 18 Dec 2018 1:25

Tgt Ion: 91 Resp: 41323
 Ion Ratio Lower Upper
 91 100
 92 58.8 26.3 78.9
 134 0.0 13.3 39.8#



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 92.00 (91.70 to 92.70): V
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 2.088 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN052948.D

Acq: 18 Dec 2018 1:25

Instrument :

MSVOA_N

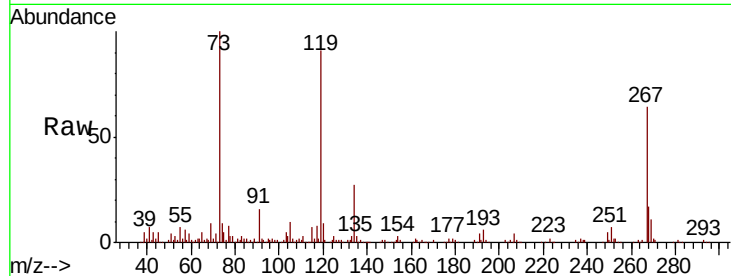
ClientSampleId :

Tot Ion:117 Resp: 15835

Ion Ratio Lower Upper

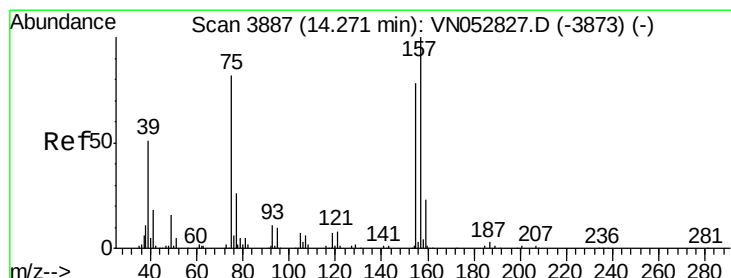
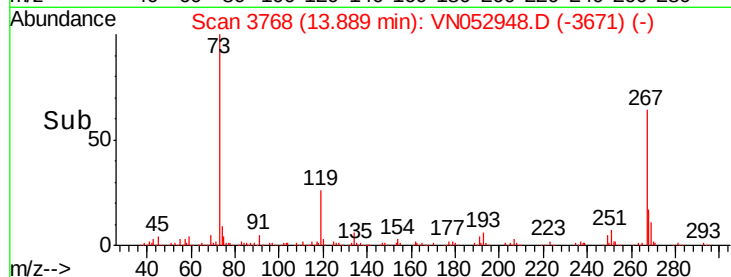
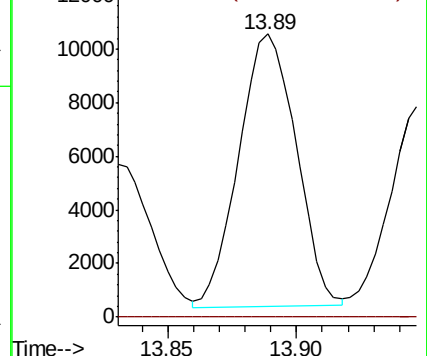
117 100

201 0.0 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.431 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN052948.D

Acq: 18 Dec 2018 1:25

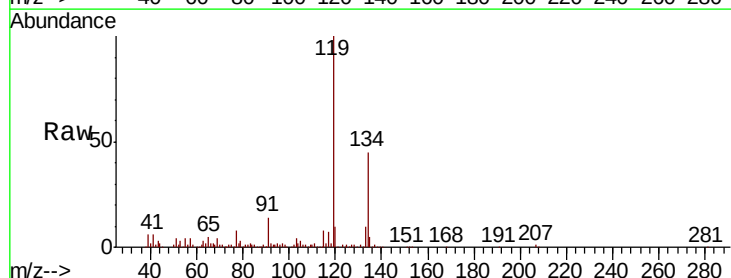
Tgt Ion: 75 Resp: 789

Ion Ratio Lower Upper

75 100

155 31.9 48.2 144.6#

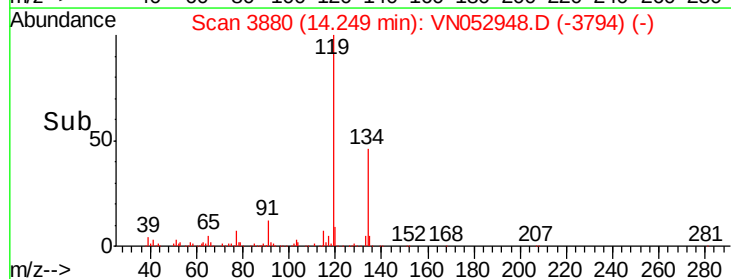
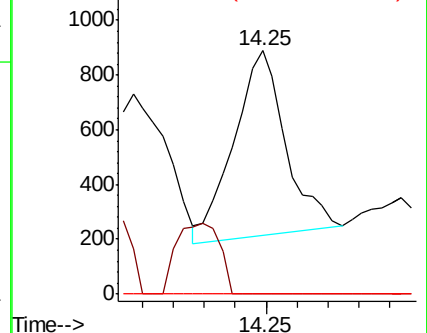
157 0.0 61.2 183.5#

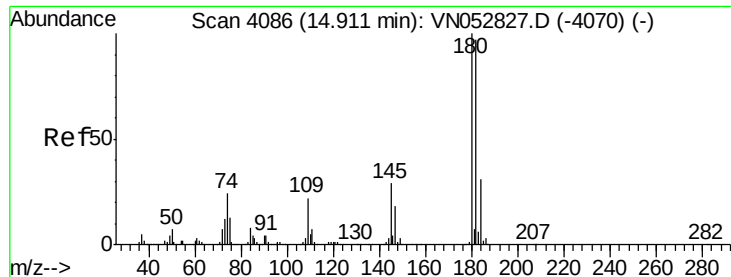


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

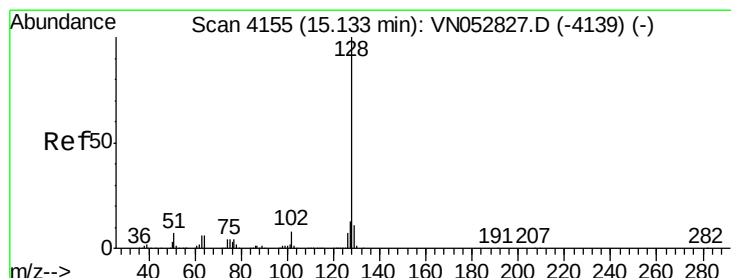
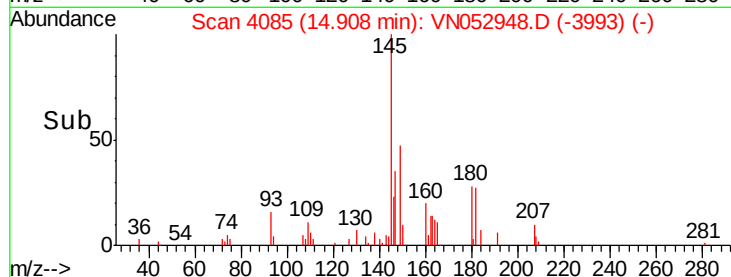
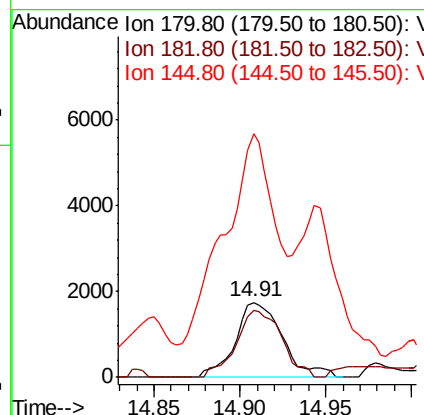
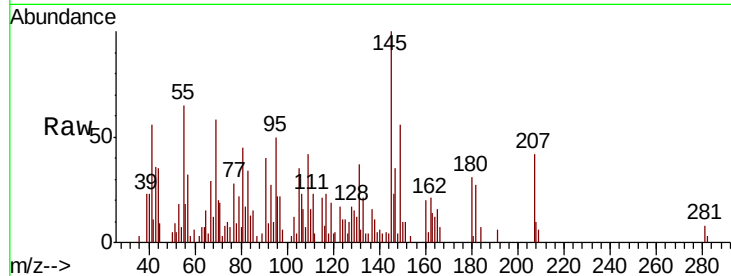




#93
 1,2,4-Trichlorobenzene
 Concen: 0.261 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052948.D
 Acq: 18 Dec 2018 1:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 3347
 Ion Ratio Lower Upper
 180 100
 182 85.3 47.8 143.3
 145 377.5 14.2 42.6#



#95
 Naphthalene
 Concen: 3.436 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN052948.D
 Acq: 18 Dec 2018 1:25

Tgt Ion:128 Resp: 91165
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.2 15.4
 129 11.6 8.6 13.0

