

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060220\
 Data File : VN061616.D
 Acq On : 2 Jun 2020 13:24
 Operator : JC/MD
 Sample : L2800-02DL 4X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 03 00:46:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	332315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	562700	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	548817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	253823	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	186962	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
35) Dibromofluoromethane	7.54	113	156250	54.74	ug/l	0.00
Spiked Amount			Recovery	=	109.48%	
50) Toluene-d8	10.06	98	672931	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.37	95	259679	53.81	ug/l	0.00
Spiked Amount			Recovery	=	107.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	62	1.164	ug/l #	43
3) Chloromethane	2.03	50	1436	0.354	ug/l	90
4) Vinyl Chloride	2.16	62	925721	166.667	ug/l	99
5) Bromomethane	2.50	94	718	0.225	ug/l #	75
6) Chloroethane	2.65	64	4450	1.245	ug/l #	77
10) Methyl Iodide	3.91	142	2020	0.458	ug/l #	61
11) Tert butyl alcohol	4.72	59	1920	3.646	ug/l #	72
12) 1,1-Dichloroethene	3.69	96	4173	1.229	ug/l	84
16) Acetone	3.78	43	3328	Below Cal	#	84
17) Carbon Disulfide	4.01	76	1796	0.240	ug/l #	74
18) Methyl Acetate	4.28	43	1333	0.372	ug/l #	55
20) Methylene Chloride	4.49	84	280	Below Cal	#	31
21) trans-1,2-Dichloroethene	4.98	96	22906	5.982	ug/l	93
24) 1,1-Dichloroethane	5.80	63	33622	5.419	ug/l	98
25) 2-Butanone	6.79	43	1349	0.719	ug/l #	1
27) cis-1,2-Dichloroethene	6.78	96	695621	160.418	ug/l	90
29) Tetrahydrofuran	7.17	42	1721	1.391	ug/l #	61
31) Cyclohexane	7.63	56	6645	1.191	ug/l #	10
36) 1,1-Dichloropropene	7.62	75	22625	4.542	ug/l #	47
38) Carbon Tetrachloride	7.63	117	32222	6.706	ug/l #	15
40) Benzene	8.00	78	39721	2.584	ug/l	99
42) 1,2-Dichloroethane	8.09	62	33266	6.465	ug/l	98
44) Trichloroethene	8.80	130	14269	3.021	ug/l	88
49) 1,4-Dioxane	9.18	88	594	11.806	ug/l #	78
51) 4-Methyl-2-Pentanone	9.95	43	1129	0.278	ug/l #	75
52) Toluene	10.12	92	2763	0.275	ug/l	85
59) 2-Hexanone	10.73	43	1857	0.636	ug/l	90
60) Dibromochloromethane	10.61	129	1016	0.224	ug/l #	11
65) Chlorobenzene	11.41	112	540077	47.342	ug/l	100
68) m/p-Xylenes	11.59	106	1603	0.205	ug/l	87
71) Bromoform	12.38	173	1970	0.602	ug/l #	1
74) N-amyl acetate	12.05	43	1431	0.245	ug/l #	64
76) 1,2,3-Trichloropropane	12.37	75	124667	27.011	ug/l #	100
77) Bromobenzene	12.50	156	1080	0.228	ug/l	79

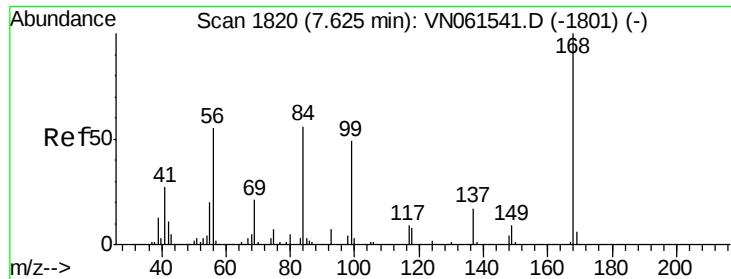
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060220\
 Data File : VN061616.D
 Acq On : 2 Jun 2020 13:24
 Operator : JC/MD
 Sample : L2800-02DL 4X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 03 00:46:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.65	91	2686	0.218	ug/l	86
81) trans-1,4-Dichloro-2-buten	12.37	75	124667	69.073	ug/l #	15
82) 4-Chlorotoluene	12.75	91	2716	0.209	ug/l	82
87) 1,3-Dichlorobenzene	13.26	146	3593	0.429	ug/l	82
88) 1,4-Dichlorobenzene	13.26	146	3593	0.421	ug/l	82
89) n-Butylbenzene	13.59	91	4288	0.315	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	9306	1.163	ug/l	93
93) 1,2,4-Trichlorobenzene	14.88	180	2594	0.554	ug/l #	83
94) Hexachlorobutadiene	14.98	225	1593	0.798	ug/l	92
95) Naphthalene	15.10	128	10128	0.711	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.28	180	2798	0.608	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

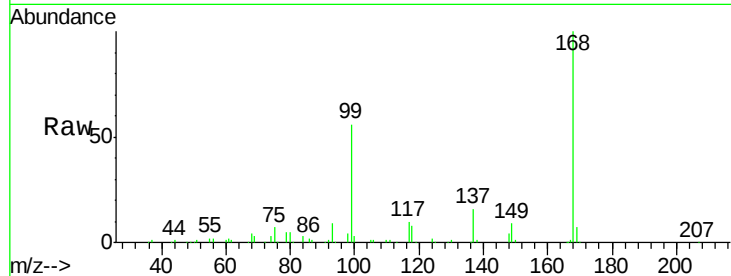
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 332315

Ion Ratio Lower Upper

168 100

99 56.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

150000

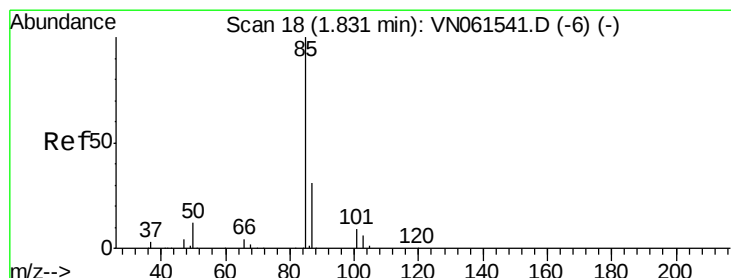
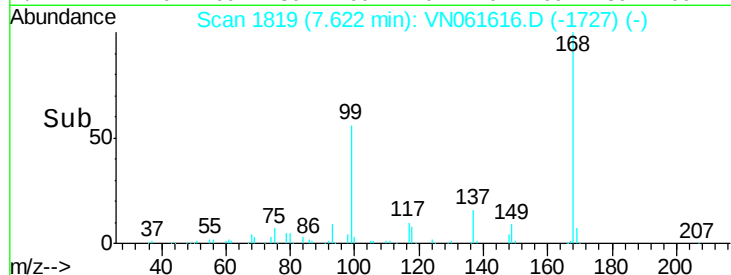
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 1.164 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061616.D

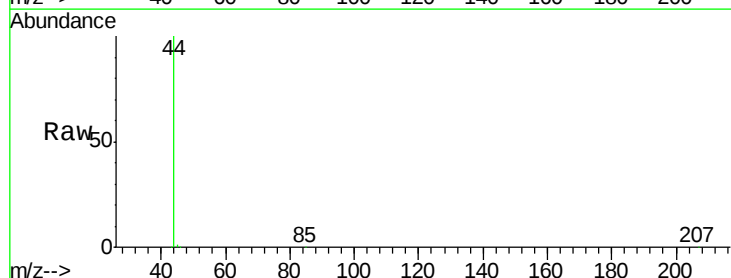
Acq: 2 Jun 2020 13:24

Tgt Ion: 85 Resp: 62

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150

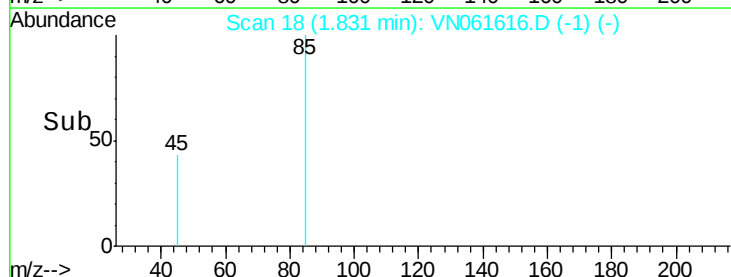
100

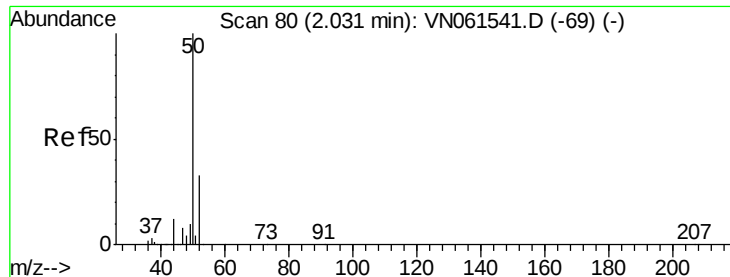
50

0

1.82 1.83 1.84

Time-->





#3

Chloromethane

Concen: 0.354 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

Instrument :

MSVOA_N

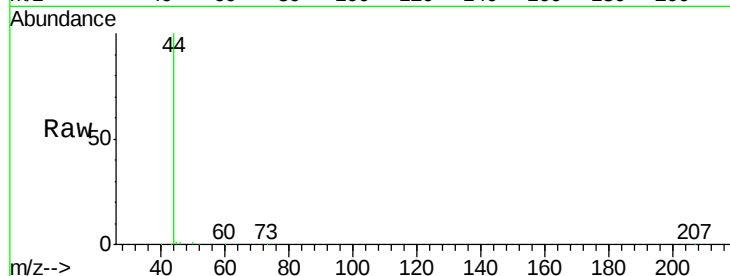
ClientSampleId :

Tot Ion: 50 Resp: 1436

Ion Ratio Lower Upper

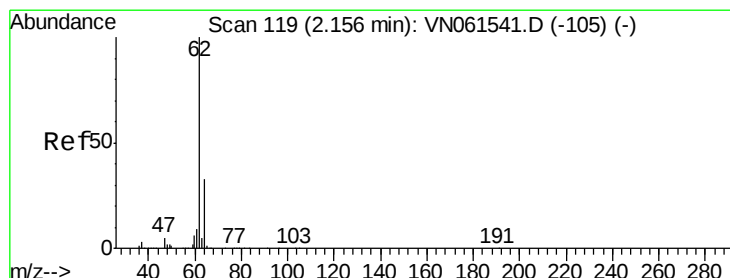
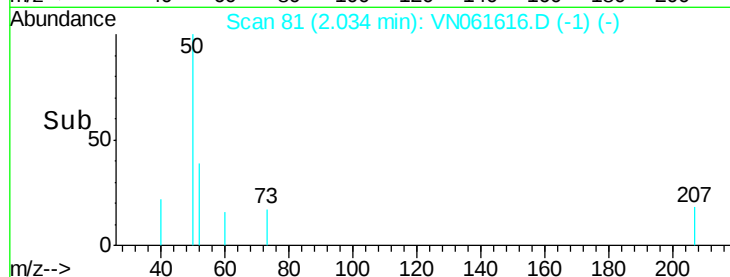
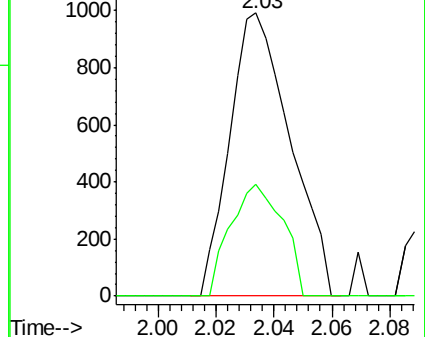
50 100

52 39.3 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN061616.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN061616.D (-1) (-)



#4

Vinyl Chloride

Concen: 166.667 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061616.D

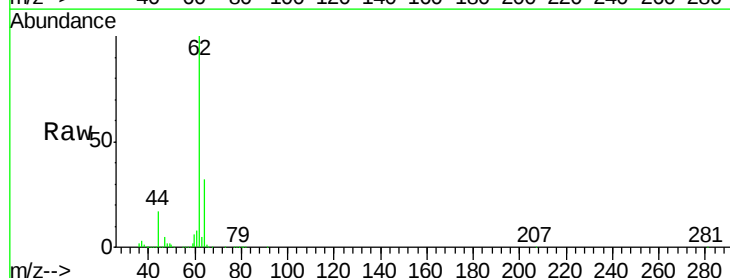
Acq: 2 Jun 2020 13:24

Tgt Ion: 62 Resp: 925721

Ion Ratio Lower Upper

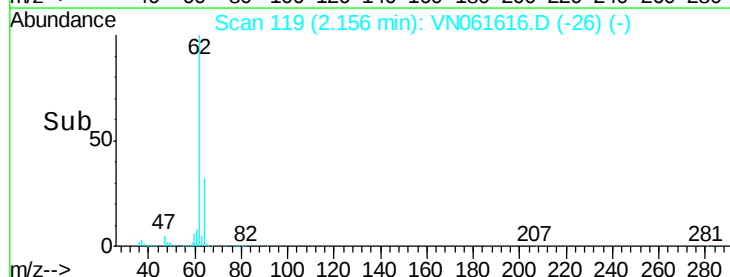
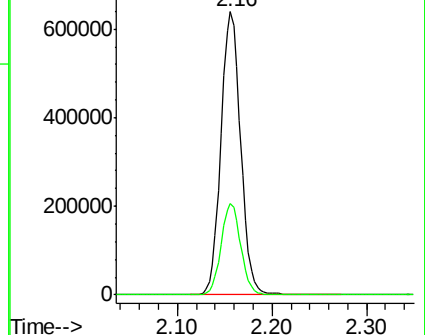
62 100

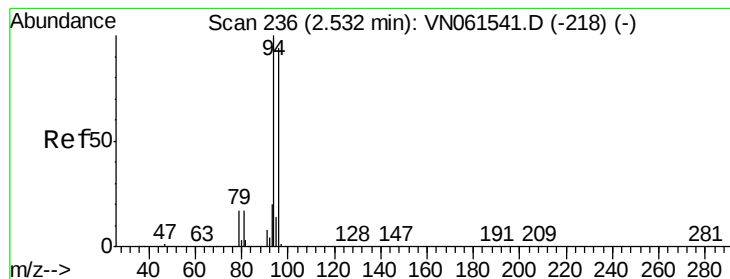
64 32.1 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN061616.D (-26) (-)

Ion 63.90 (63.60 to 64.60): VN061616.D (-26) (-)





#5

Bromomethane

Concen: 0.225 ug/l

RT: 2.50 min Scan# 226

Delta R.T. -0.03 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

Instrument :

MSVOA_N

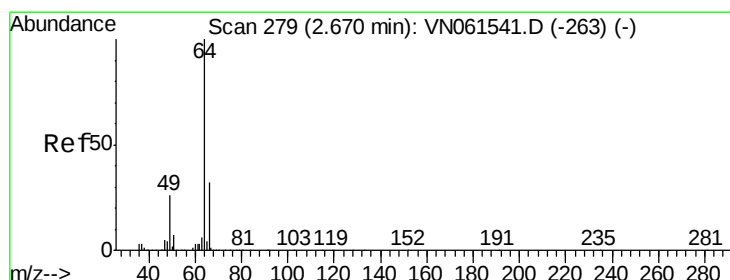
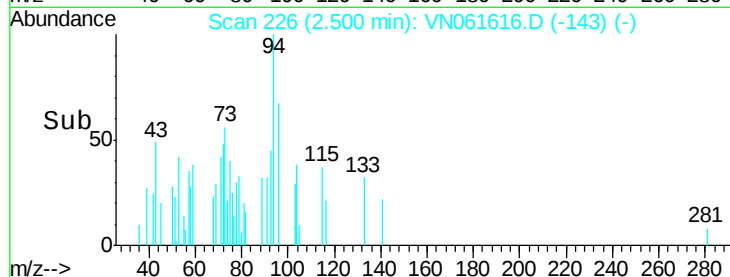
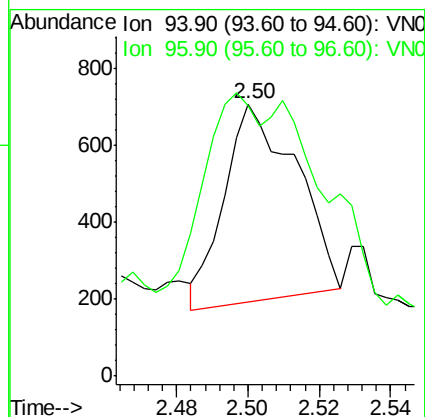
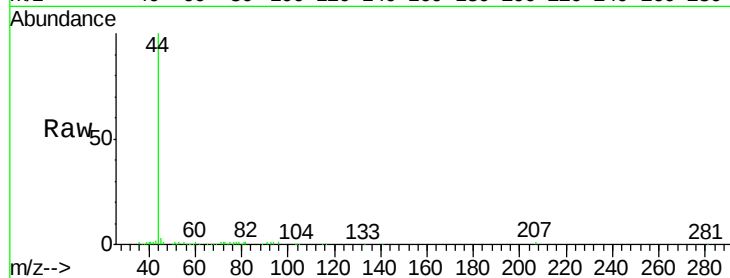
ClientSampled :

Tot Ion: 94 Resp: 718

Ion Ratio Lower Upper

94 100

96 69.2 74.8 112.2#



#6

Chloroethane

Concen: 1.245 ug/l

RT: 2.65 min Scan# 273

Delta R.T. -0.02 min

Lab File: VN061616.D

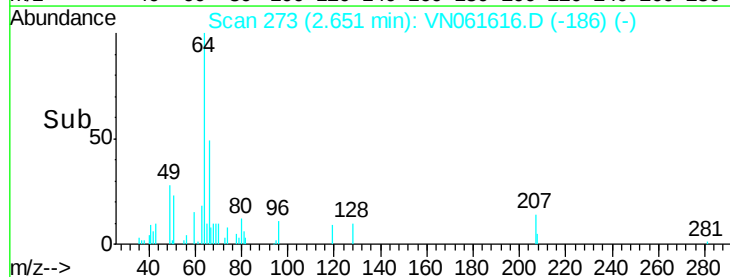
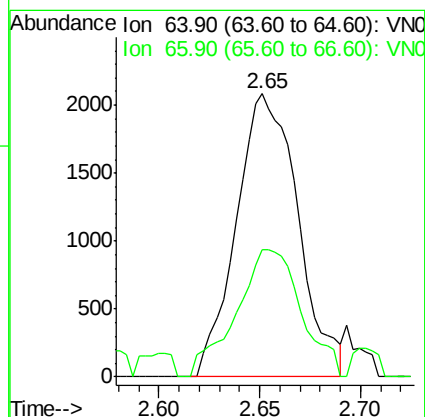
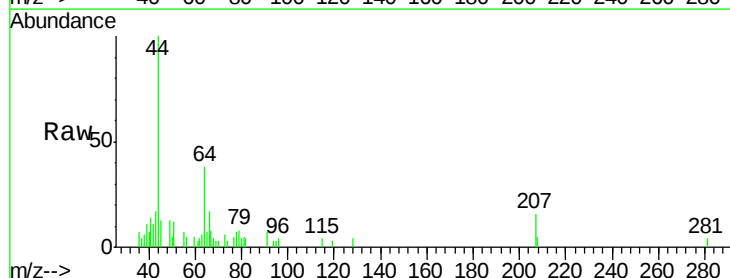
Acq: 2 Jun 2020 13:24

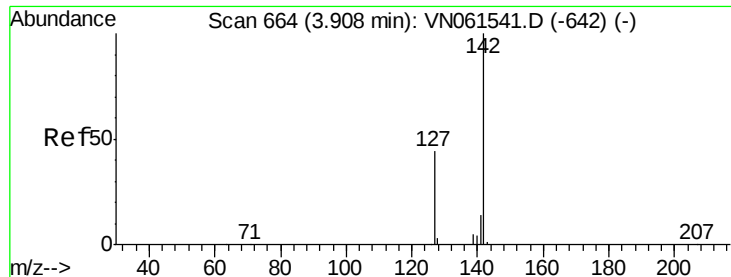
Tgt Ion: 64 Resp: 4450

Ion Ratio Lower Upper

64 100

66 44.8 25.6 38.4#

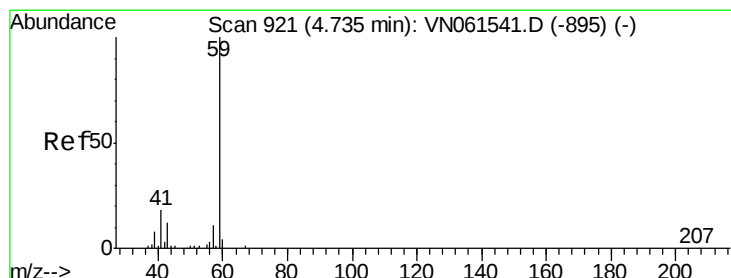
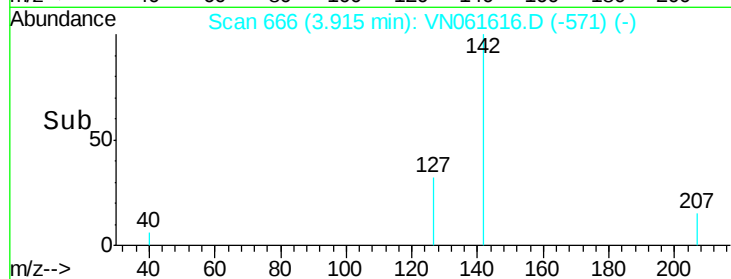
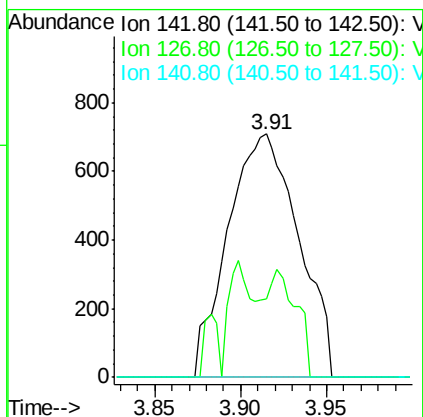
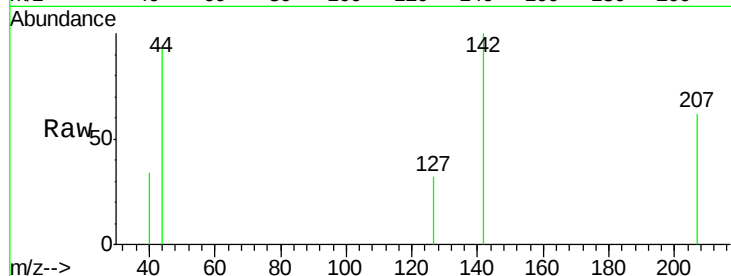




#10
Methvl Iodide
Concen: 0.458 ug/l
RT: 3.91 min Scan# 666
Delta R.T. 0.01 min
Lab File: VN061616.D
Acq: 2 Jun 2020 13:24

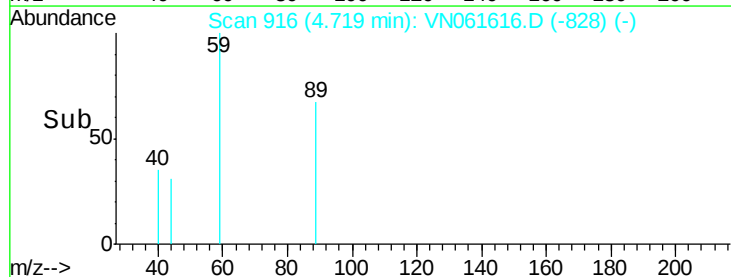
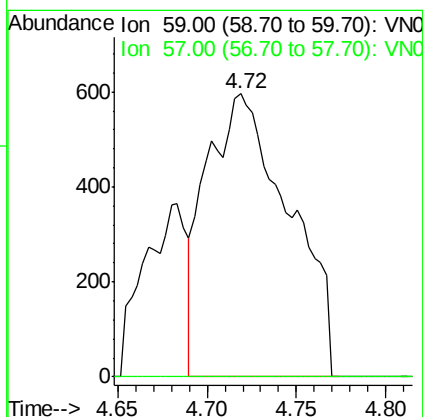
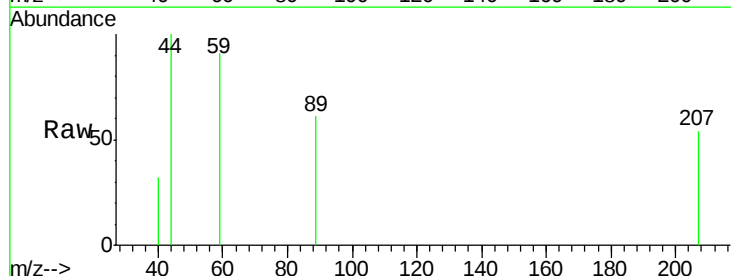
Instrument :
MSVOA_N
ClientSampled :

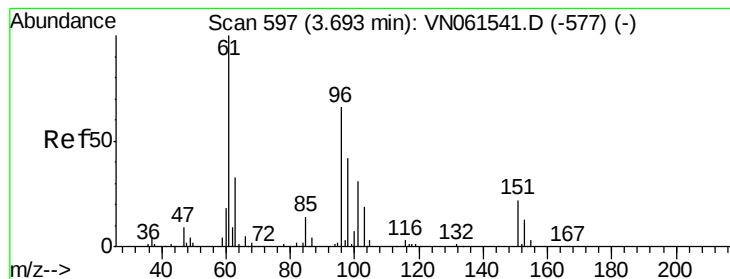
Tot Ion:142 Resp: 2020
Ion Ratio Lower Upper
142 100
127 18.4 35.5 53.3#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 3.646 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.02 min
Lab File: VN061616.D
Acq: 2 Jun 2020 13:24

Tgt Ion: 59 Resp: 1920
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#





#12

1,1-Dichloroethene

Concen: 1.229 ug/l

RT: 3.69 min Scan# 595

Delta R.T. -0.01 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

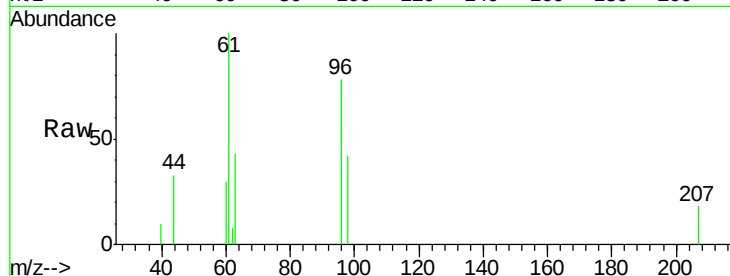
Tot Ion: 96 Resp: 4173

Ion Ratio Lower Upper

96 100

61 128.3 120.5 180.7

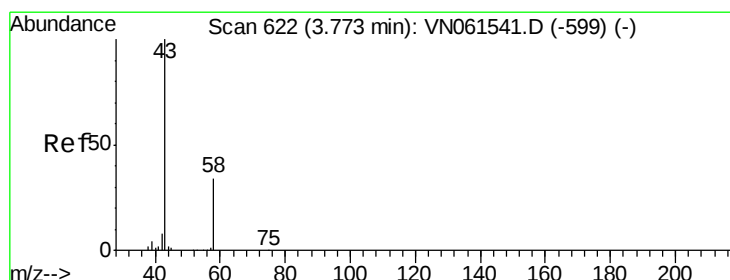
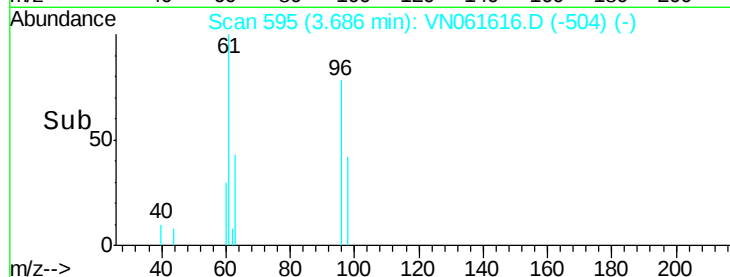
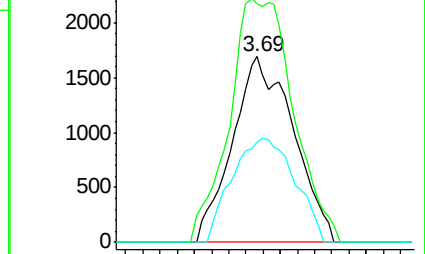
98 53.8 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VN061616.D (-504) (-)

Ion 60.90 (60.60 to 61.60): VN061616.D (-504) (-)

Ion 97.90 (97.60 to 98.60): VN061616.D (-504) (-)



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061616.D

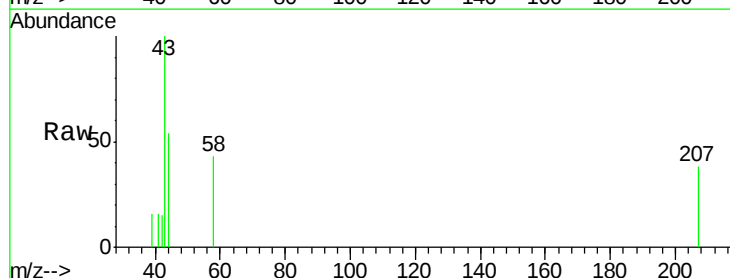
Acq: 2 Jun 2020 13:24

Tgt Ion: 43 Resp: 3328

Ion Ratio Lower Upper

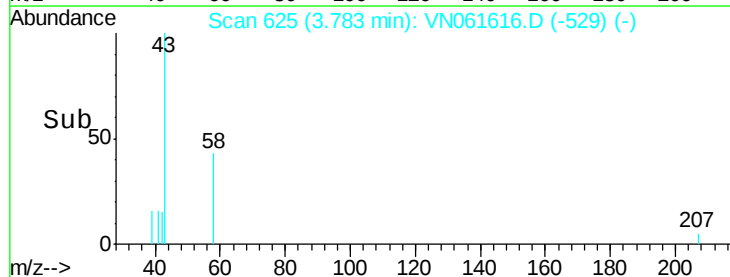
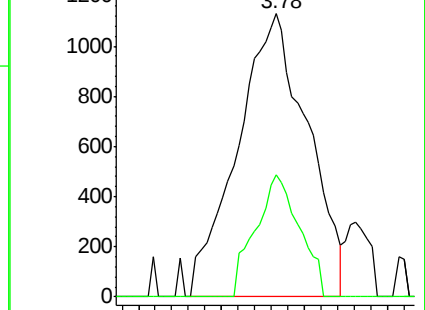
43 100

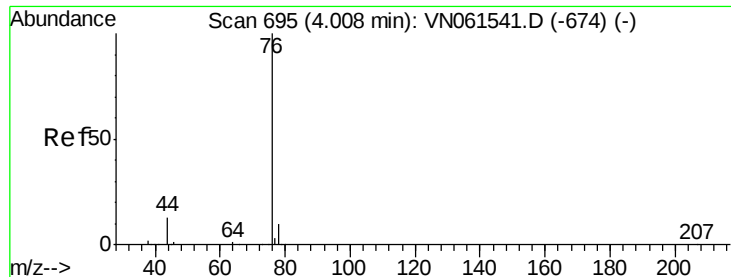
58 43.3 27.2 40.8#



Abundance Ion 43.00 (42.70 to 43.70): VN061616.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN061616.D (-529) (-)

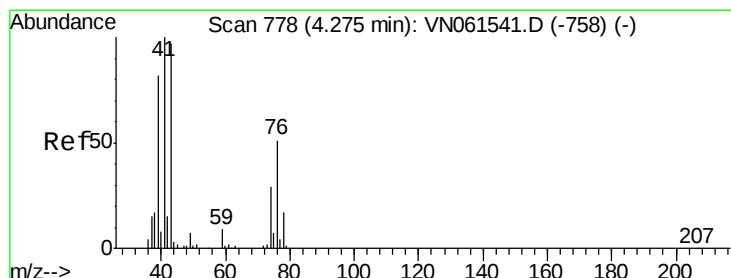
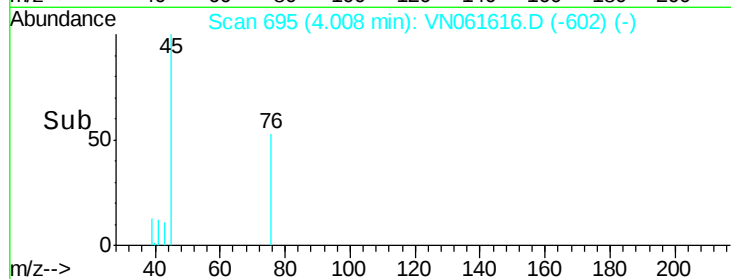
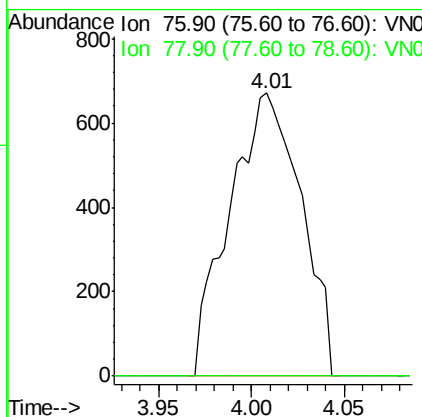
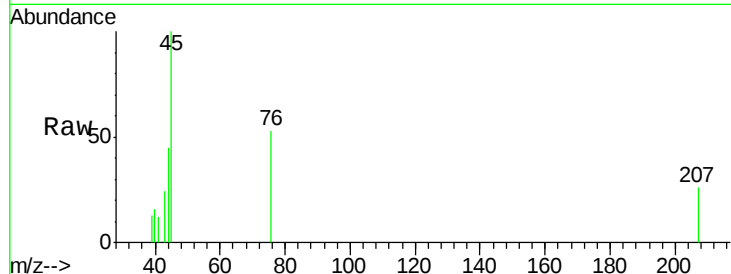




#17
Carbon Disulfide
Concen: 0.240 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN061616.D
Acq: 2 Jun 2020 13:24

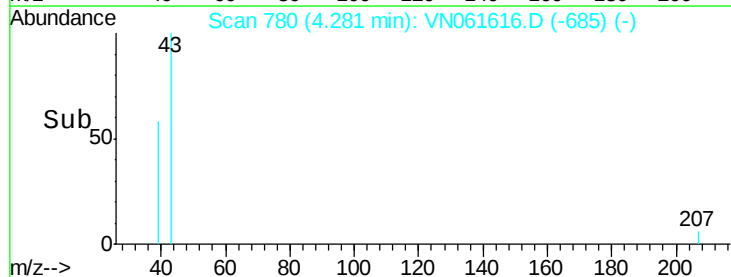
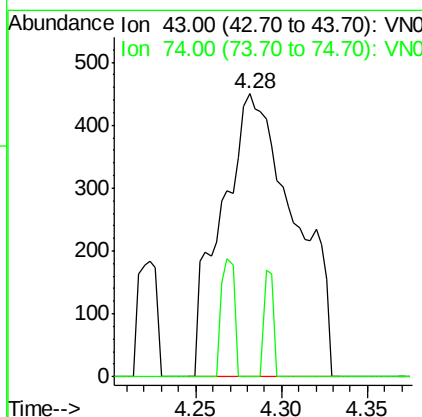
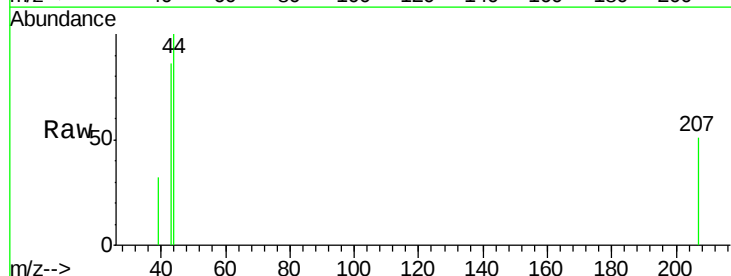
Instrument :
MSVOA_N
ClientSampled :

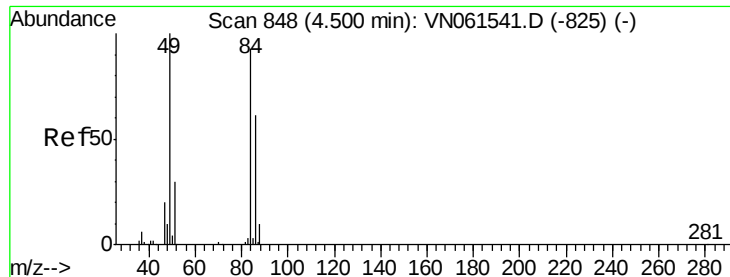
Tot Ion: 76 Resp: 1796
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#18
Methyl Acetate
Concen: 0.372 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN061616.D
Acq: 2 Jun 2020 13:24

Tgt Ion: 43 Resp: 1333
Ion Ratio Lower Upper
43 100
74 4.8 23.2 34.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.49 min Scan# 846

Delta R.T. -0.01 min

Lab File: VN061616.D

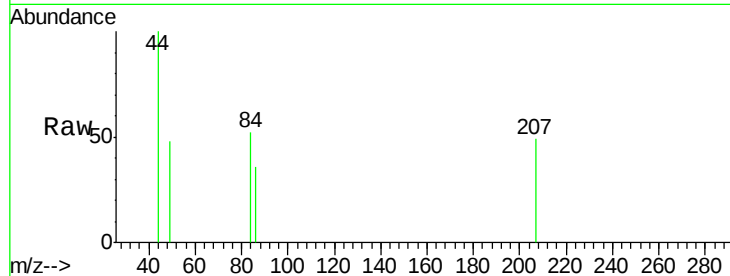
Acq: 2 Jun 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 280

Ion Ratio Lower Upper

84	100		
49	86.5	85.8	128.8
51	0.0	26.2	39.2#
86	189.4	52.6	78.8#

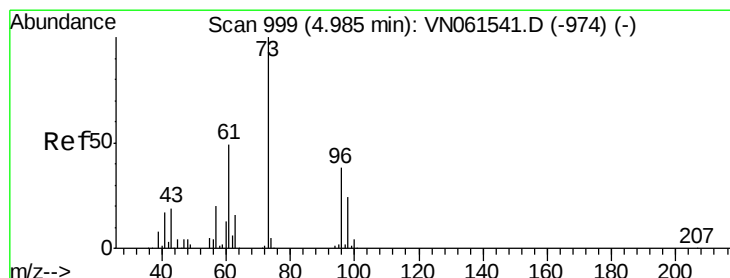
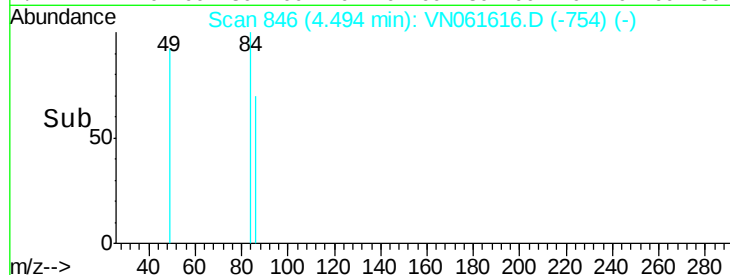
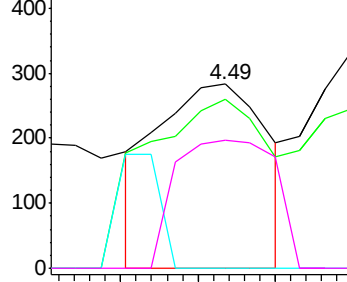


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#21

trans-1,2-Dichloroethene

Concen: 5.982 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

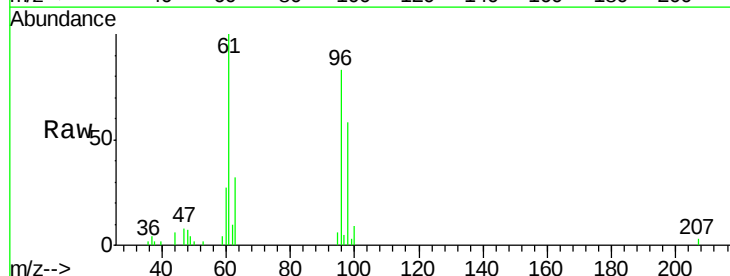
Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

Tgt Ion: 96 Resp: 22906

Ion Ratio Lower Upper

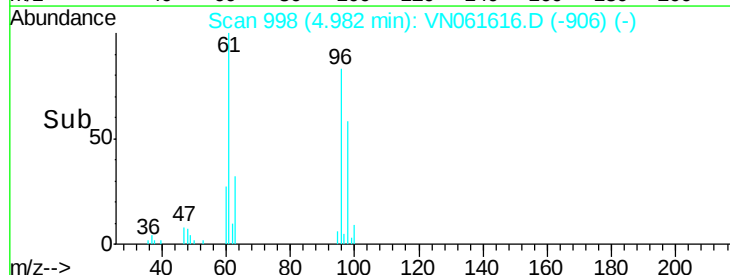
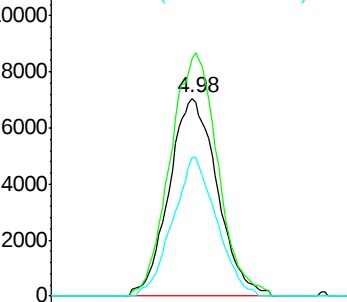
96	100		
61	119.8	101.4	152.0
98	70.0	50.6	76.0

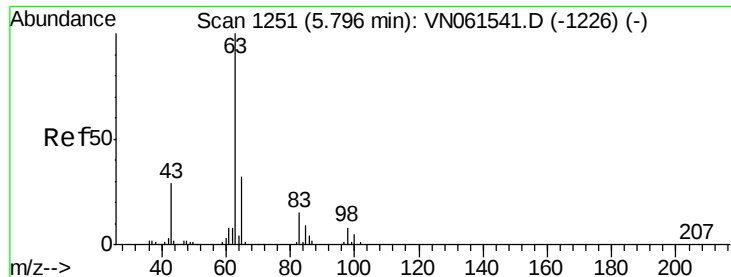


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#24

1,1-Dichloroethane

Concen: 5.419 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

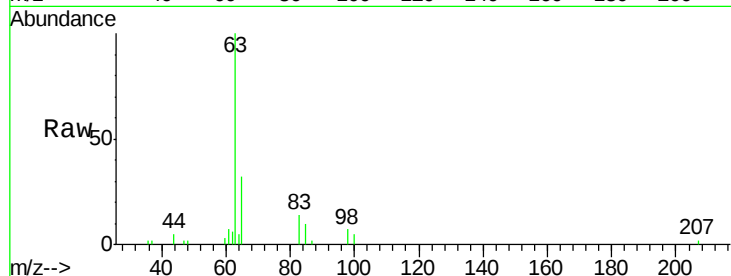
Tot Ion: 63 Resp: 33622

Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.4

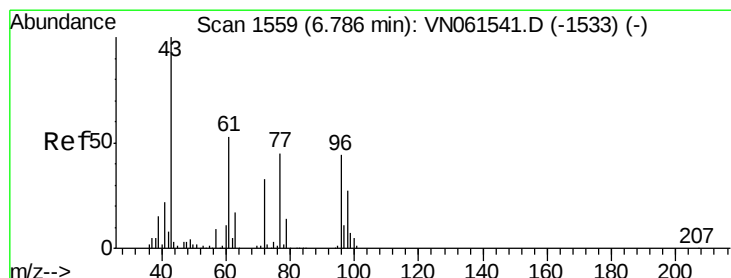
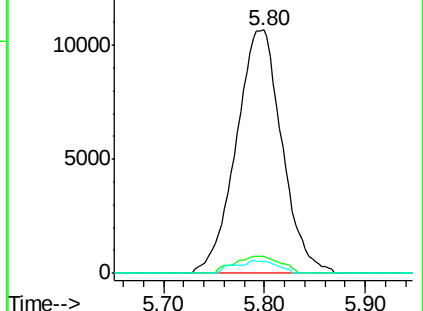
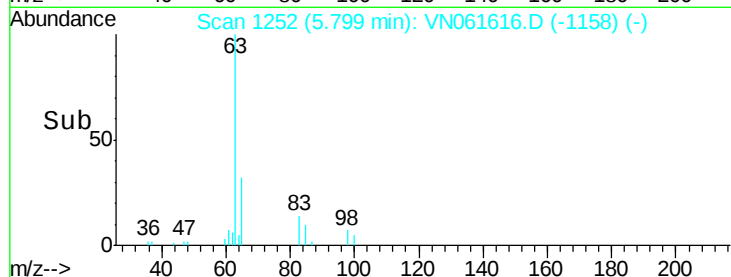
100 4.8 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VN061616.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN061616.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN061616.D (-1158) (-)



#25

2-Butanone

Concen: 0.719 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN061616.D

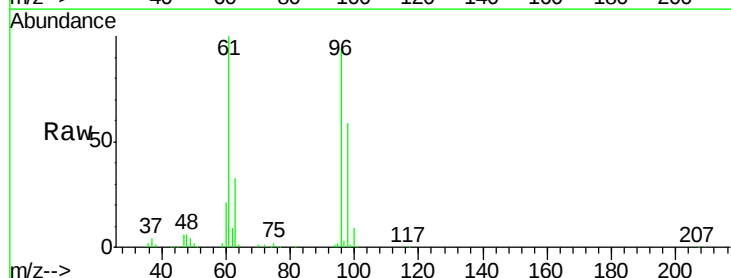
Acq: 2 Jun 2020 13:24

Tgt Ion: 43 Resp: 1349

Ion Ratio Lower Upper

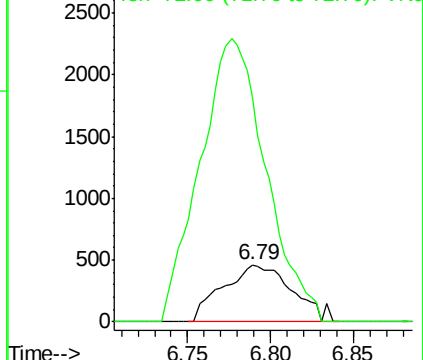
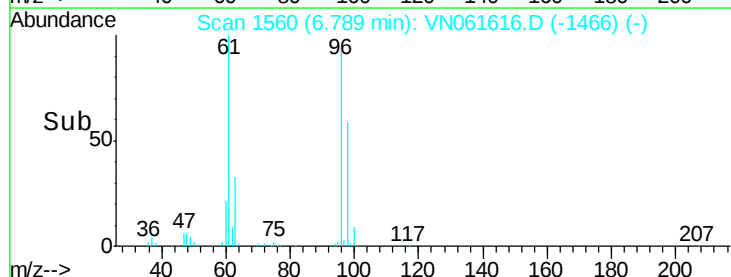
43 100

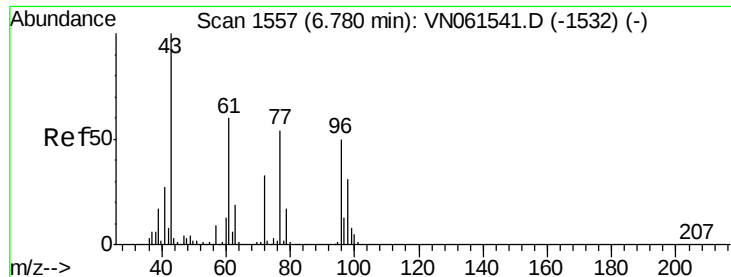
72 392.9 26.0 39.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061616.D (-1466) (-)

Ion 72.00 (71.70 to 72.70): VN061616.D (-1466) (-)





#27

cis-1,2-Dichloroethene

Concen: 160.418 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

Instrument :
MSVOA_N
ClientSampled :

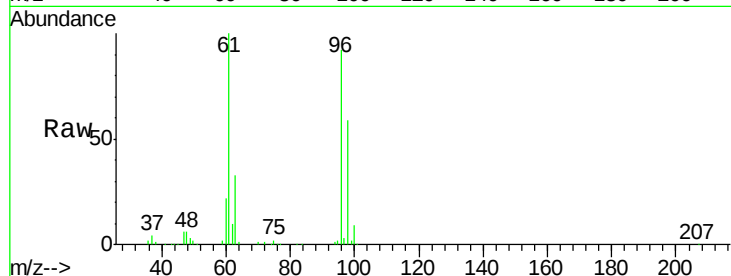
Tot Ion: 96 Resp: 695621

Ion Ratio Lower Upper

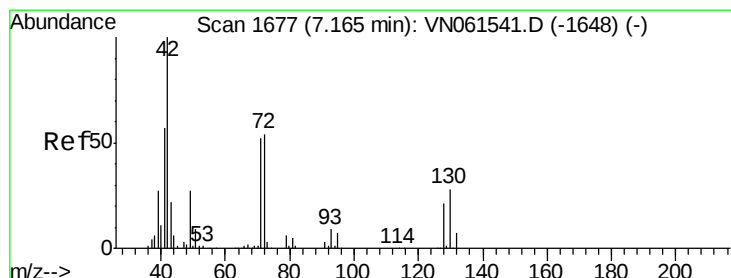
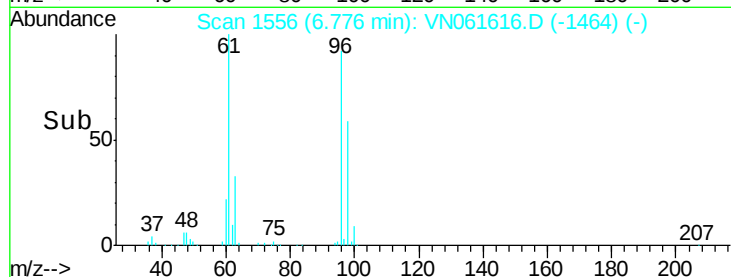
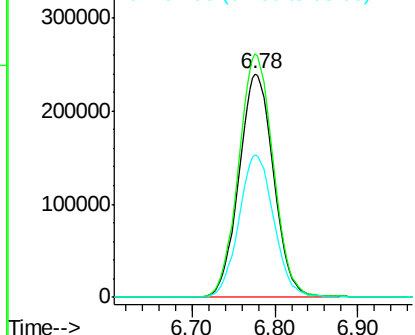
96 100

61 109.6 0.0 252.2

98 64.4 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



#29

Tetrahydrofuran

Concen: 1.391 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

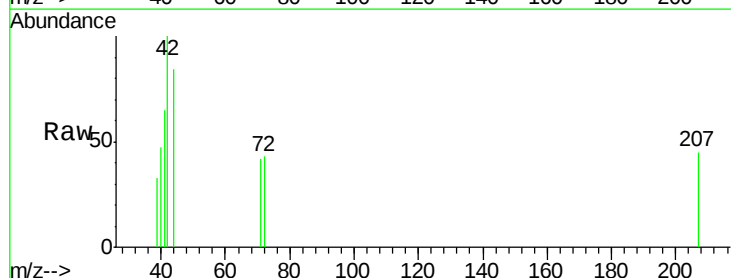
Tgt Ion: 42 Resp: 1721

Ion Ratio Lower Upper

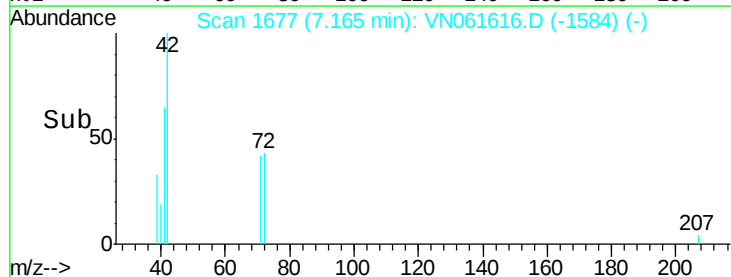
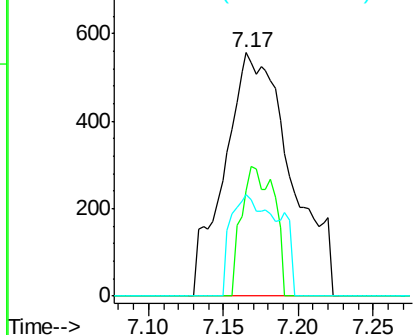
42 100

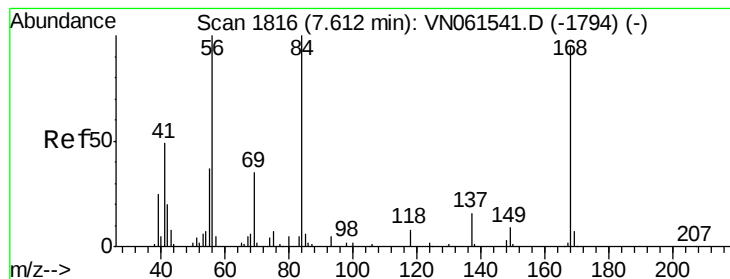
72 25.9 43.6 65.4#

71 24.2 41.2 61.8#



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





#31

Cyclohexane

Concen: 1.191 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

Instrument :

MSVOA_N

ClientSampled :

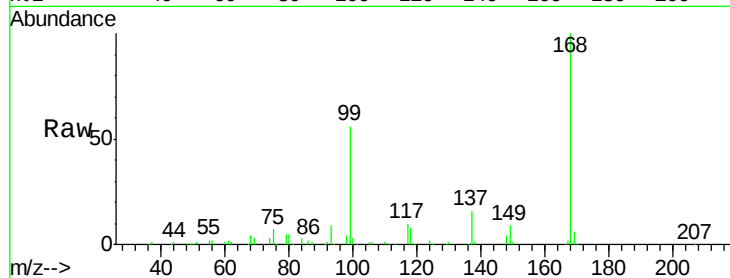
Tot Ion: 56 Resp: 6645

Ion Ratio Lower Upper

56 100

69 165.8 27.8 41.8#

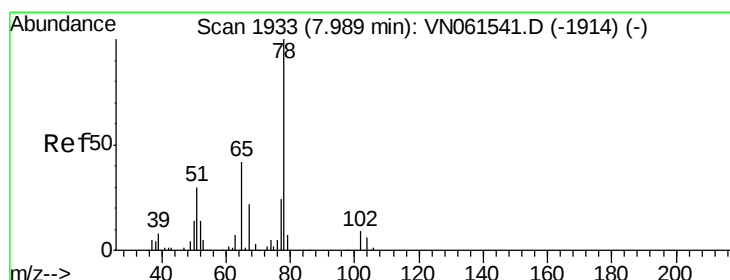
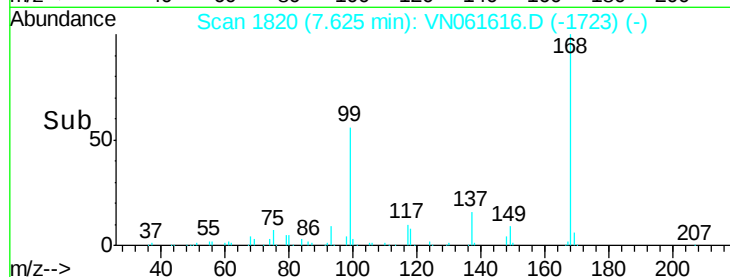
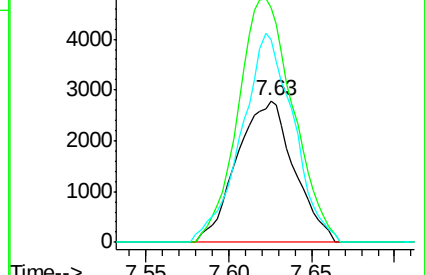
84 142.8 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN061616.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061616.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061616.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.221 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061616.D

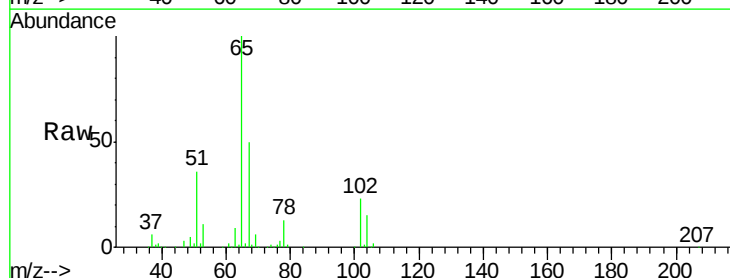
Acq: 2 Jun 2020 13:24

Tgt Ion: 65 Resp: 186962

Ion Ratio Lower Upper

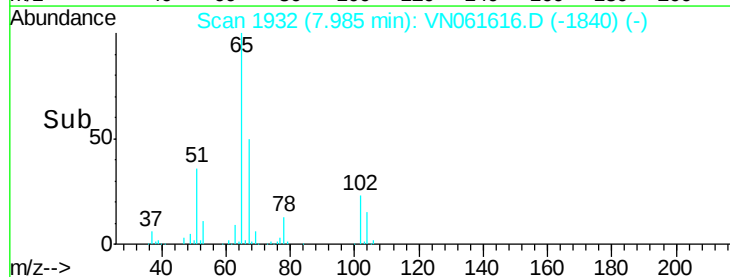
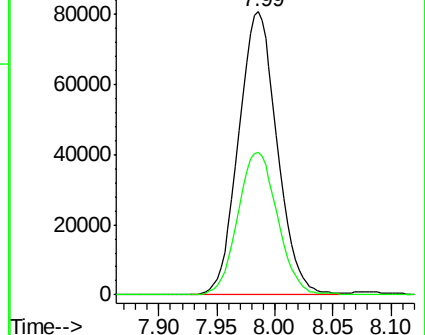
65 100

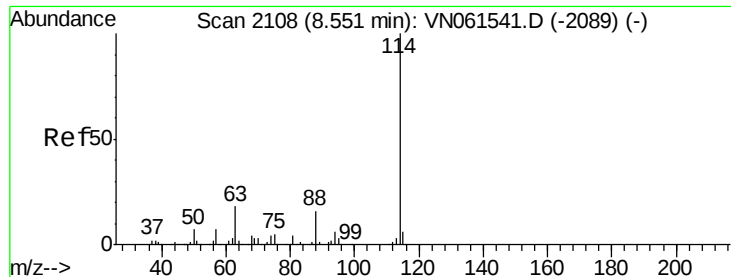
67 51.9 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN061616.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN061616.D (-1840) (-)

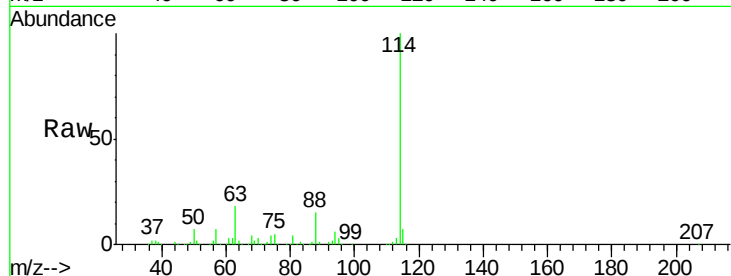




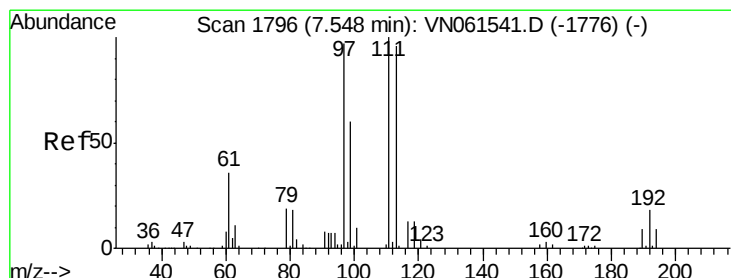
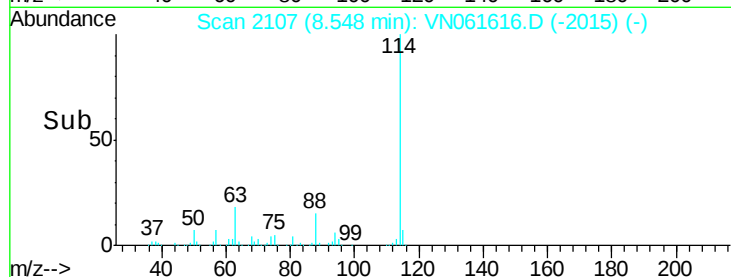
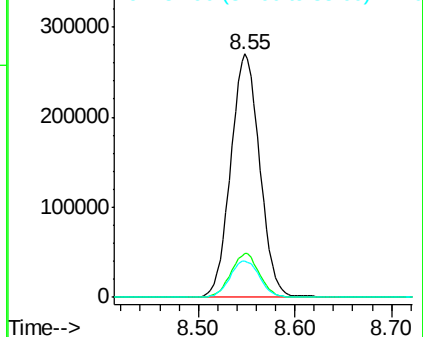
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2107
Delta R.T. -0.00 min
Lab File: VN061616.D
Acq: 2 Jun 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 562700
Ion Ratio Lower Upper
114 100
63 18.0 0.0 35.8
88 14.7 0.0 31.0

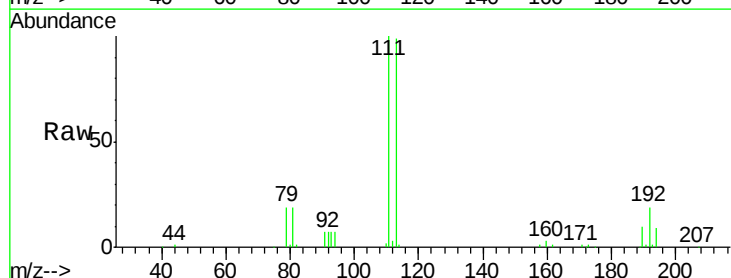


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

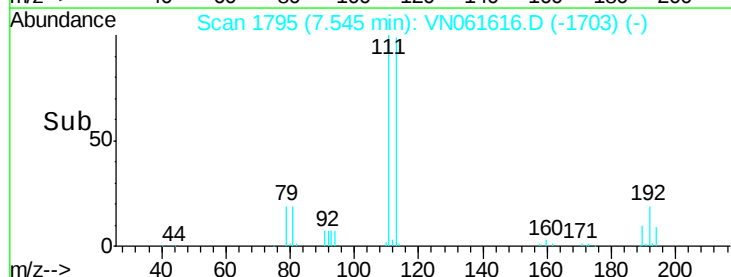
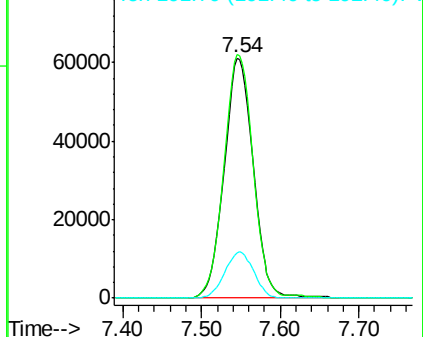


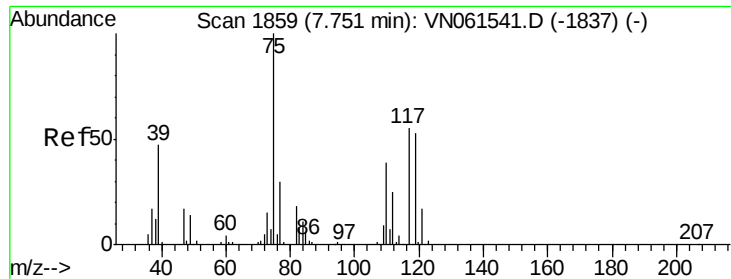
#35
Dibromofluoromethane
Concen: 54.739 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN061616.D
Acq: 2 Jun 2020 13:24

Tgt Ion:113 Resp: 156250
Ion Ratio Lower Upper
113 100
111 102.1 83.4 125.0
192 19.1 15.4 23.2



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

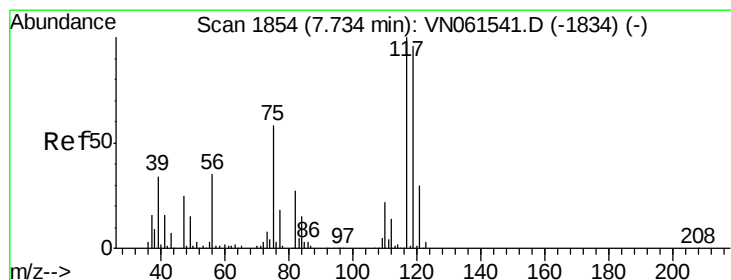
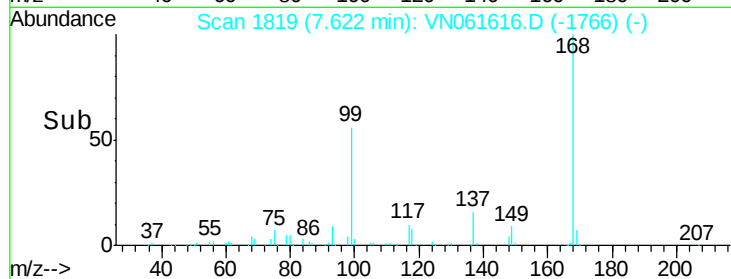
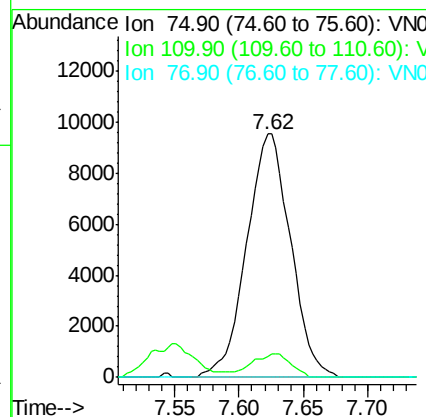
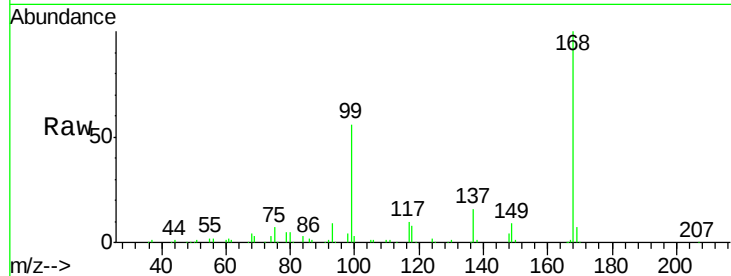




#36
 1,1-Dichloropropene
 Concen: 4.542 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061616.D
 Acq: 2 Jun 2020 13:24

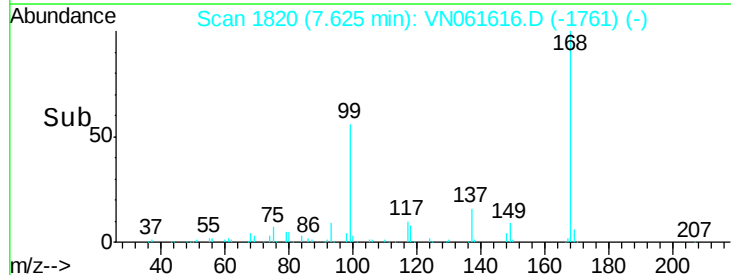
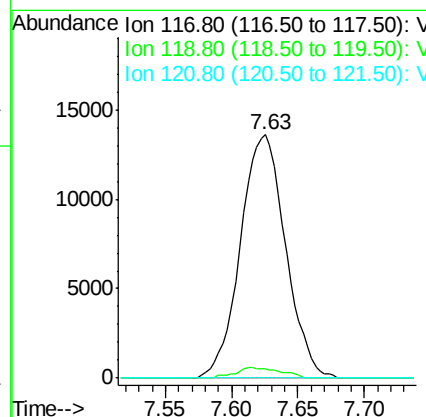
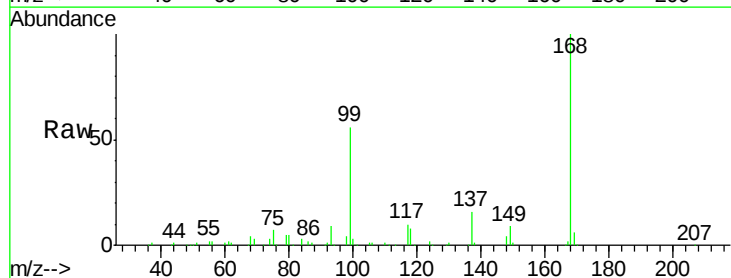
Instrument :
 MSVOA_N
 ClientSampleId :

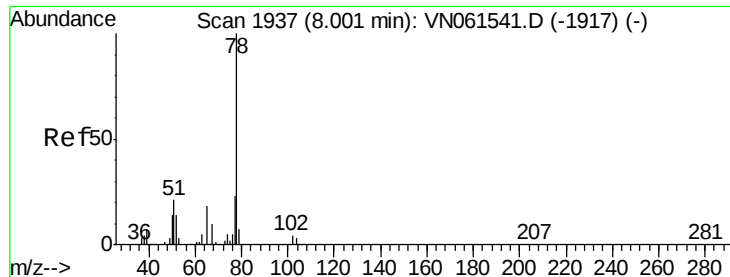
Tot Ion	75	Resp	22625
Ion Ratio	Lower	Upper	
75	100		
110	8.7	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.706 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061616.D
 Acq: 2 Jun 2020 13:24

Tgt Ion	117	Resp	32222
Ion Ratio	Lower	Upper	
117	100		
119	3.9	76.5	114.7#
121	0.0	24.1	36.1#





#40

Benzene

Concen: 2.584 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

Instrument :

MSVOA_N

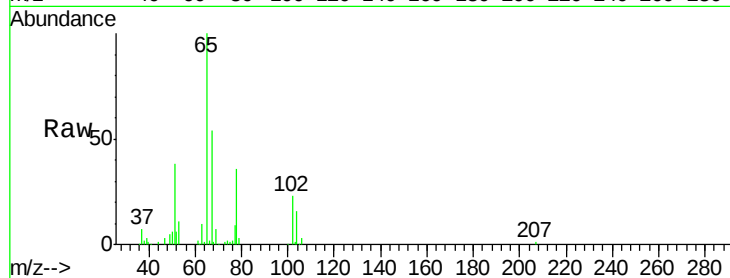
ClientSampled :

Tot Ion: 78 Resp: 39721

Ion Ratio Lower Upper

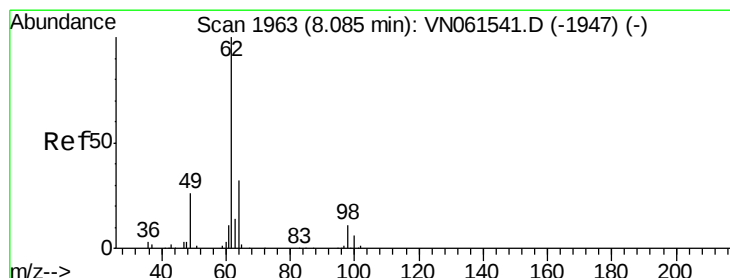
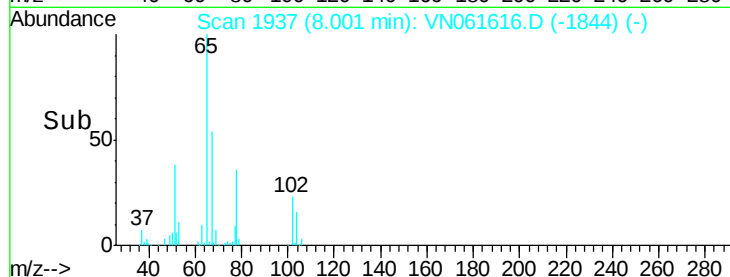
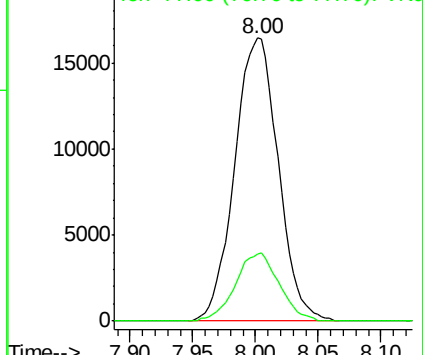
78 100

77 23.8 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#42

1,2-Dichloroethane

Concen: 6.465 ug/l

RT: 8.09 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VN061616.D

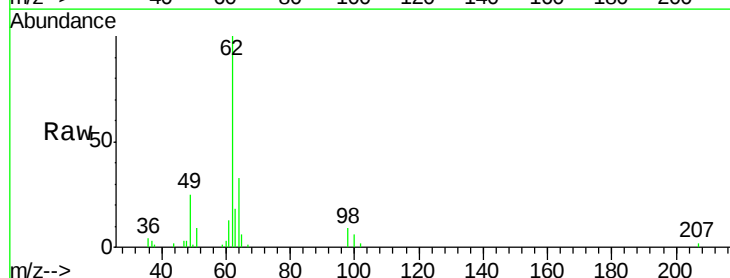
Acq: 2 Jun 2020 13:24

Tgt Ion: 62 Resp: 33266

Ion Ratio Lower Upper

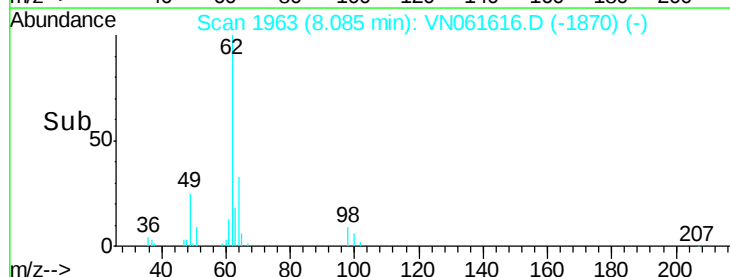
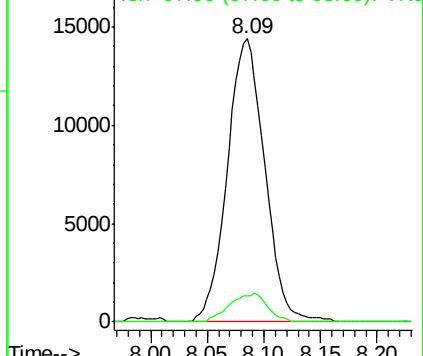
62 100

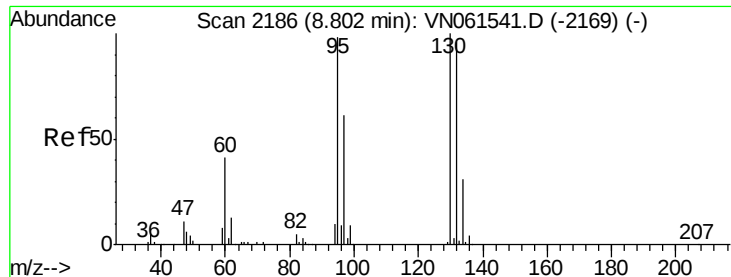
98 10.1 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#44

Trichloroethene

Concen: 3.021 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

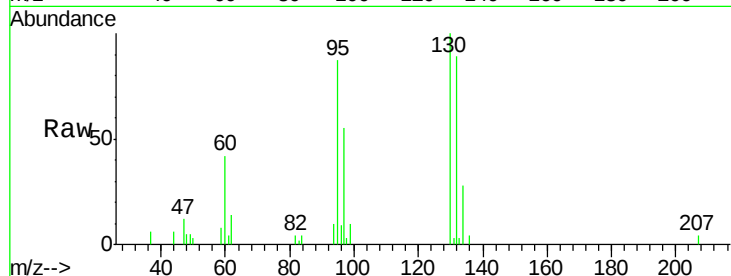
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:130 Resp: 14269

Ion Ratio Lower Upper

130 100

95 86.7 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): VN061616.D (-2186) (-)

Ion 94.90 (94.60 to 95.60): VN061616.D (-2186) (-)

8.80

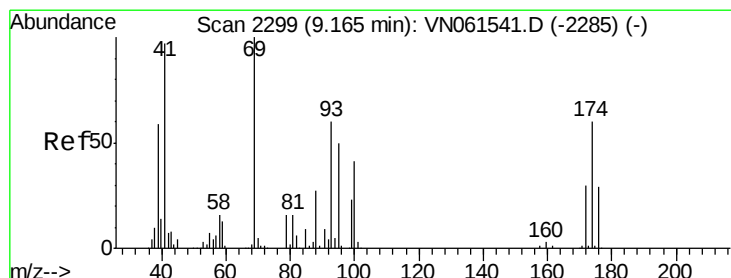
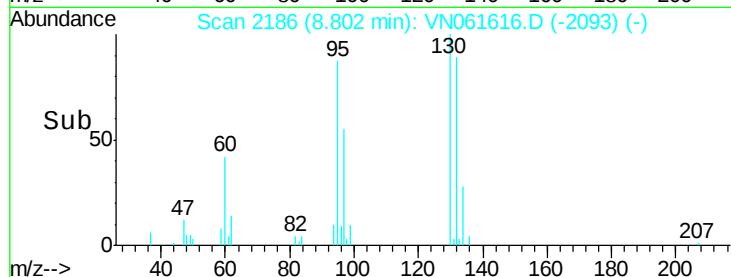
6000

4000

2000

0

Time-->



#49

1,4-Dioxane

Concen: 11.806 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.02 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

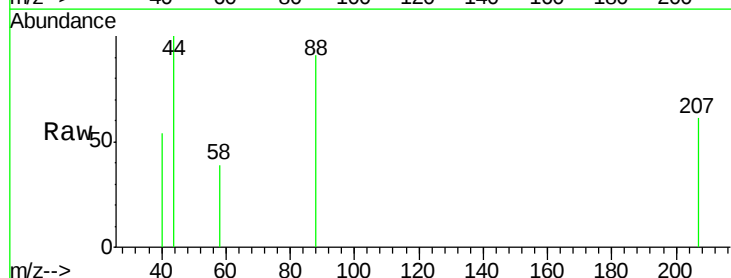
Tgt Ion: 88 Resp: 594

Ion Ratio Lower Upper

88 100

43 11.1 23.1 34.7#

58 48.0 48.3 72.5#



Abundance Ion 88.00 (87.70 to 88.70): VN061616.D (-2304) (-)

Ion 43.00 (42.70 to 43.70): VN061616.D (-2304) (-)

Ion 58.00 (57.70 to 58.70): VN061616.D (-2304) (-)

9.18

400

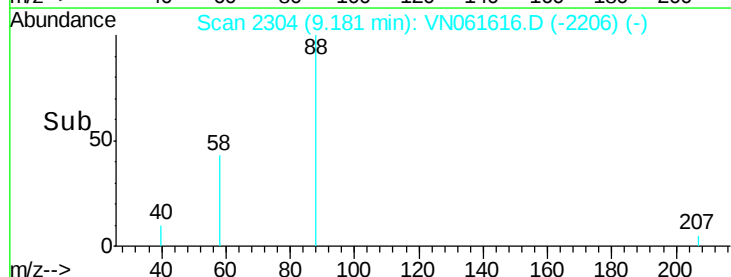
300

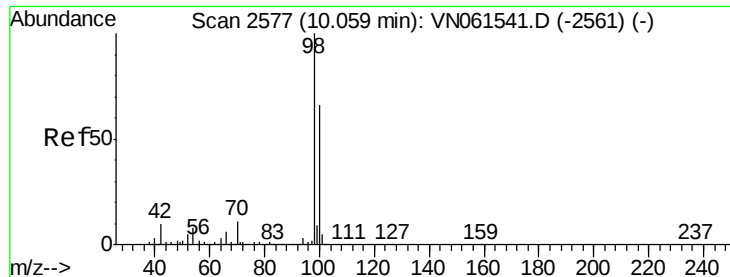
200

100

0

Time-->





#50

Toluene-d8

Concen: 50.872 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

Instrument :

MSVOA_N

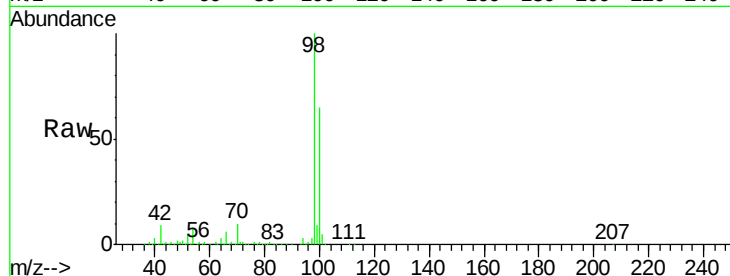
ClientSampled :

Tot Ion: 98 Resp: 672931

Ion Ratio Lower Upper

98 100

100 65.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

400000

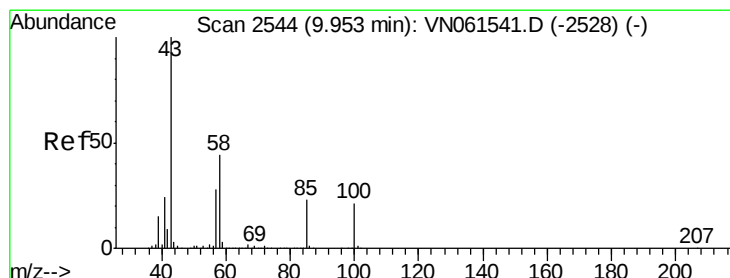
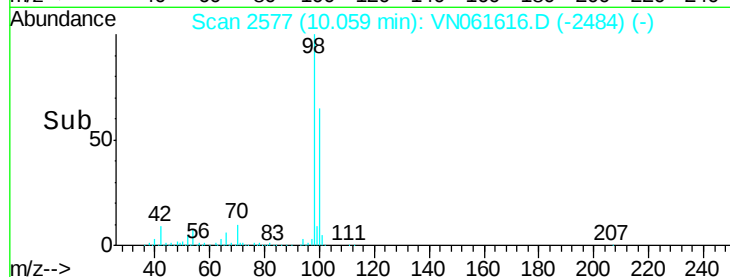
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.278 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061616.D

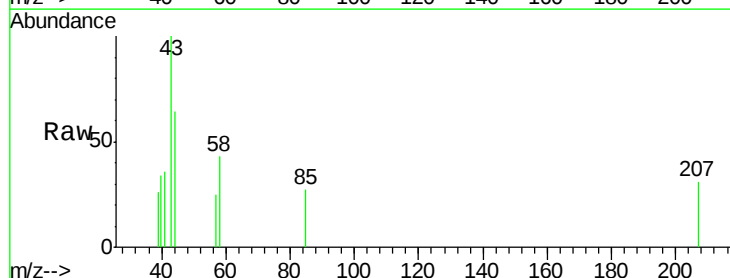
Acq: 2 Jun 2020 13:24

Tgt Ion: 43 Resp: 1129

Ion Ratio Lower Upper

43 100

58 27.6 35.0 52.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

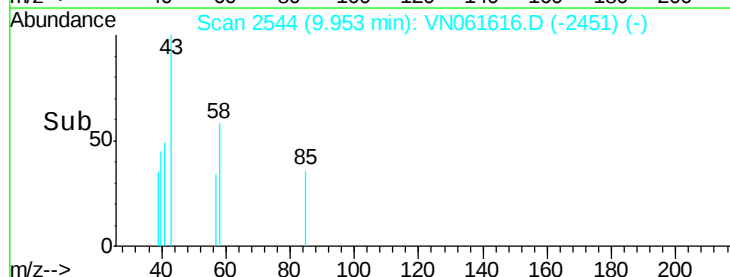
600

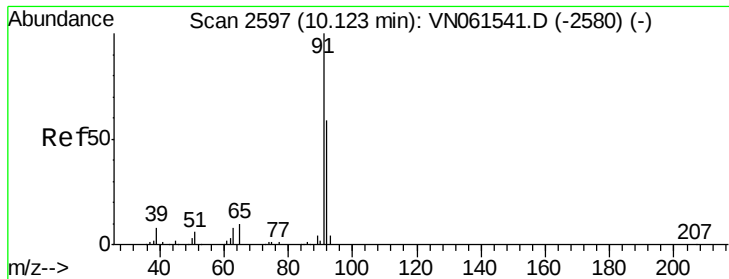
400

200

0

Time-->





#52

Toluene

Concen: 0.275 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

Instrument :

MSVOA_N

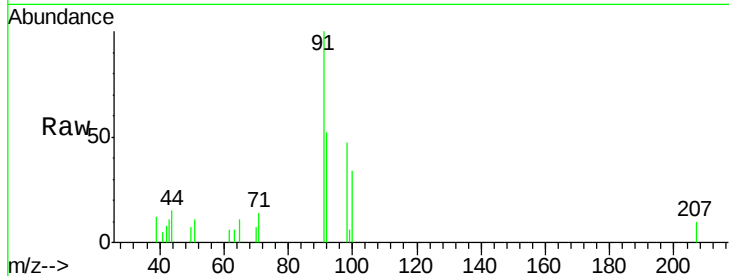
ClientSampleId :

Tot Ion: 92 Resp: 2763

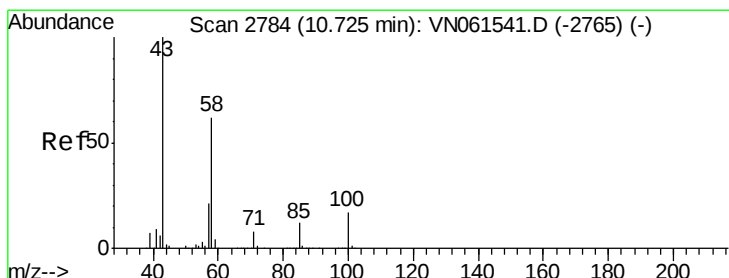
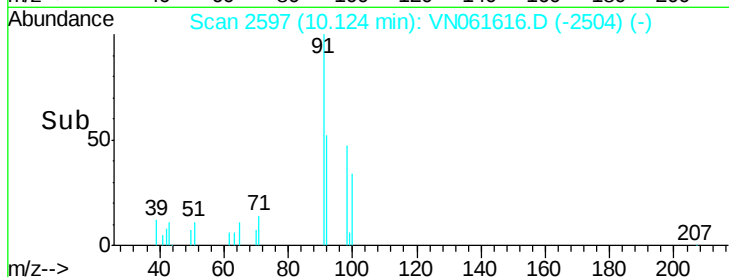
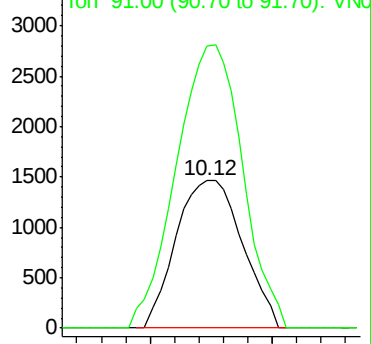
Ion Ratio Lower Upper

92 100

91 191.6 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VN061616.D (-2504) (-)



#59

2-Hexanone

Concen: 0.636 ug/l

RT: 10.73 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VN061616.D

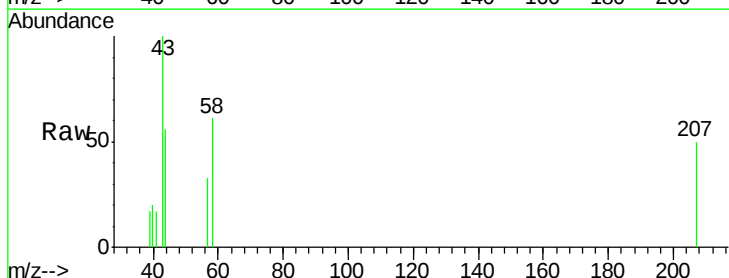
Acq: 2 Jun 2020 13:24

Tgt Ion: 43 Resp: 1857

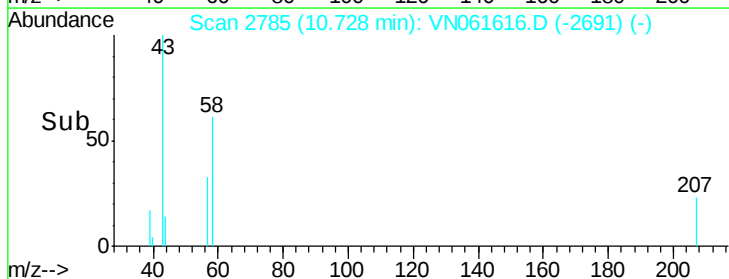
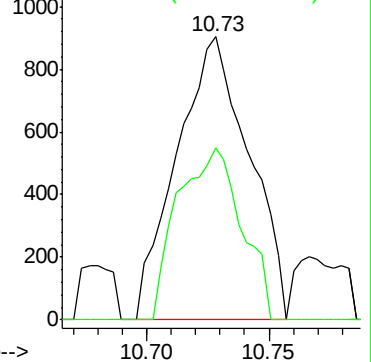
Ion Ratio Lower Upper

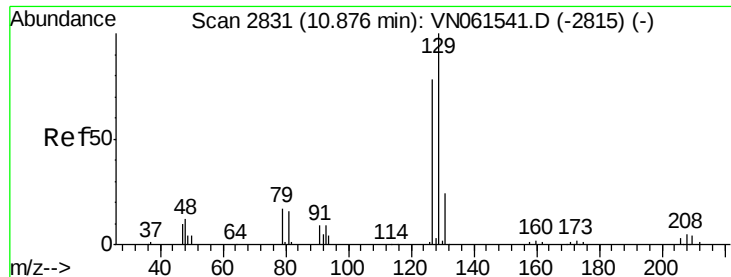
43 100

58 53.7 30.7 92.1



Abundance Ion 43.00 (42.70 to 43.70): VN061616.D (-2691) (-)

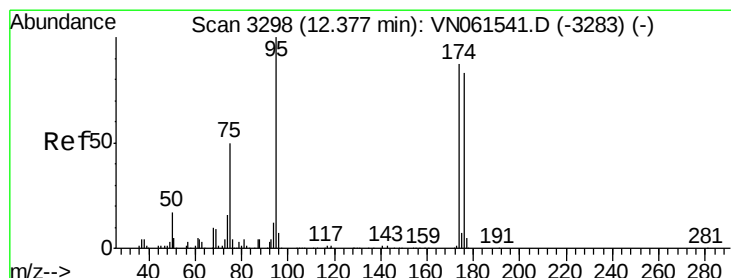
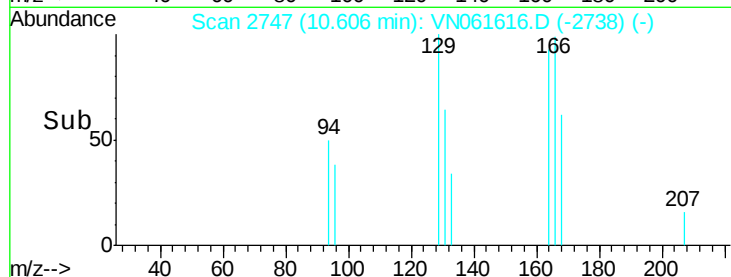
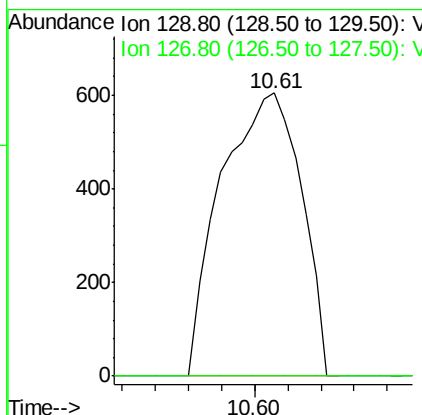
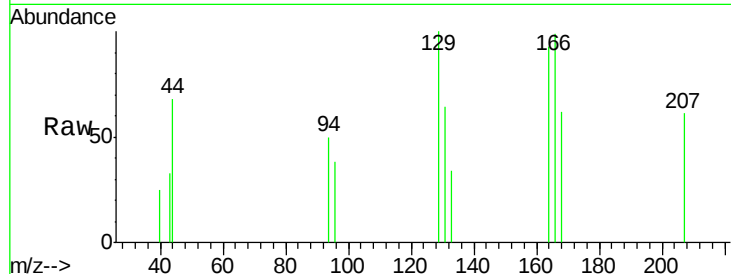




#60
Dibromochloromethane
Concen: 0.224 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. -0.27 min
Lab File: VN061616.D
Acq: 2 Jun 2020 13:24

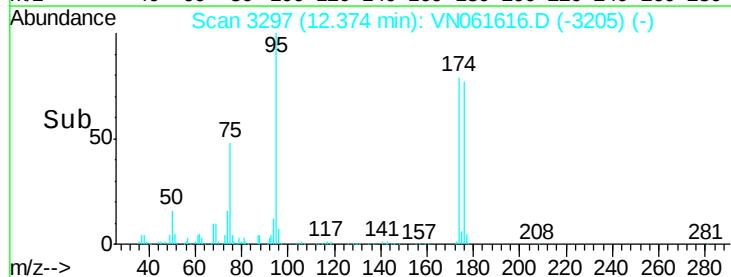
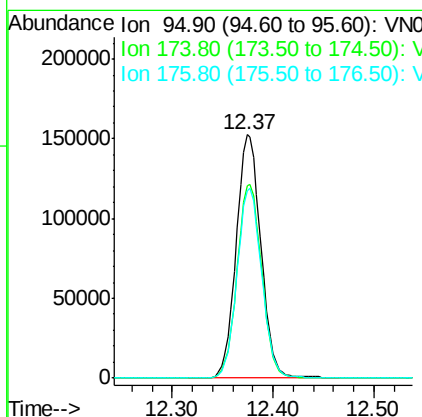
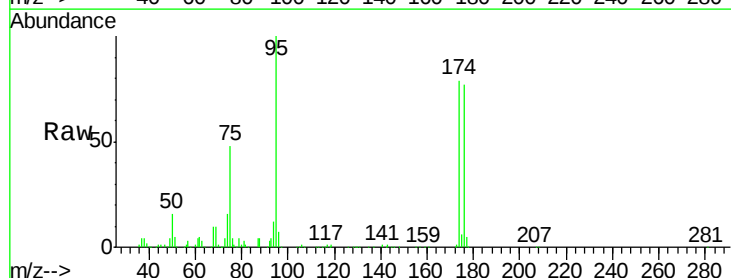
Instrument :
MSVOA_N
ClientSampled :

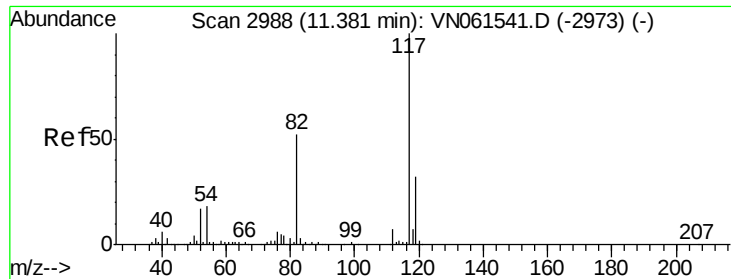
Tot Ion:129 Resp: 1016
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#



#62
4-Bromofluorobenzene
Concen: 53.808 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN061616.D
Acq: 2 Jun 2020 13:24

Tgt Ion: 95 Resp: 259679
Ion Ratio Lower Upper
95 100
174 79.3 0.0 172.8
176 77.4 0.0 164.8

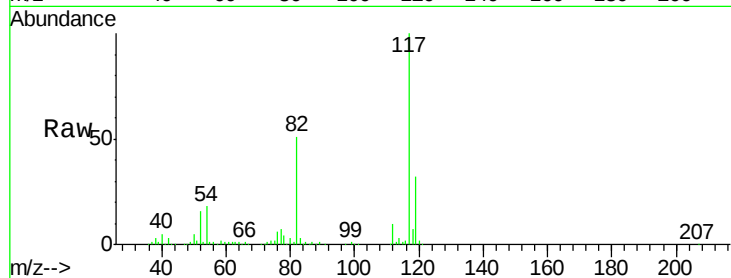




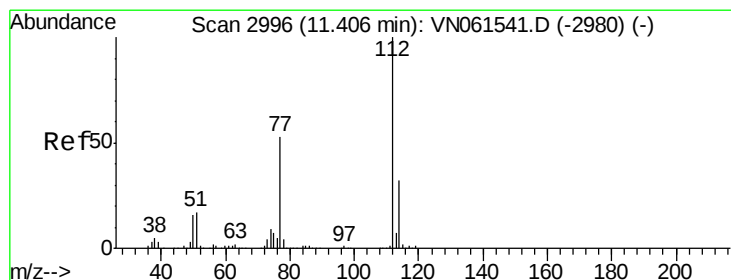
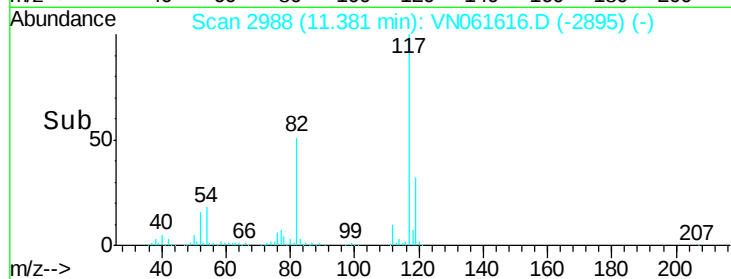
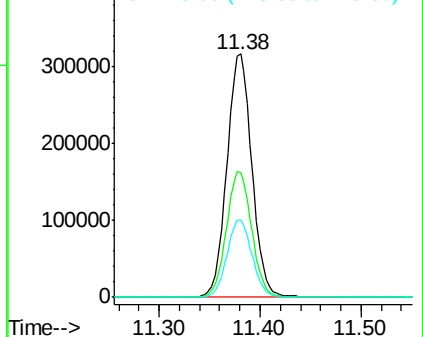
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061616.D
Acq: 2 Jun 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 548817
Ion Ratio Lower Upper
117 100
82 51.4 41.5 62.3
119 32.0 25.6 38.4

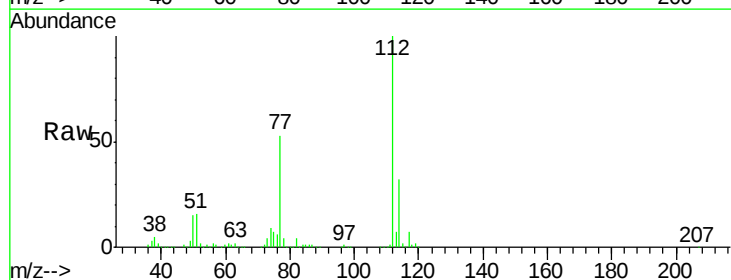


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

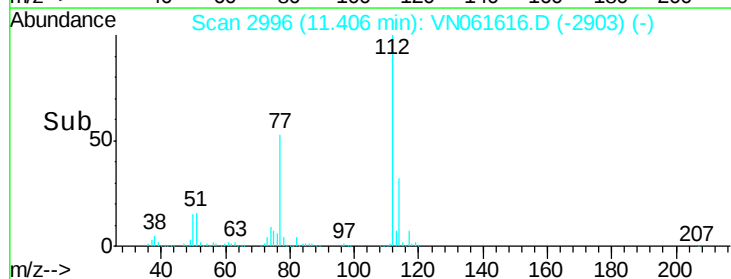
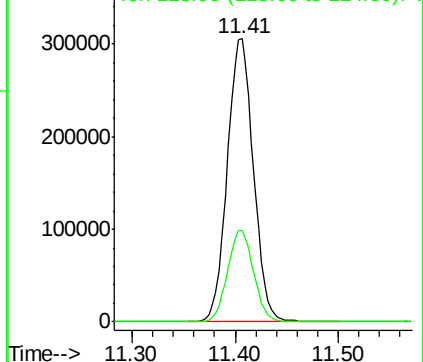


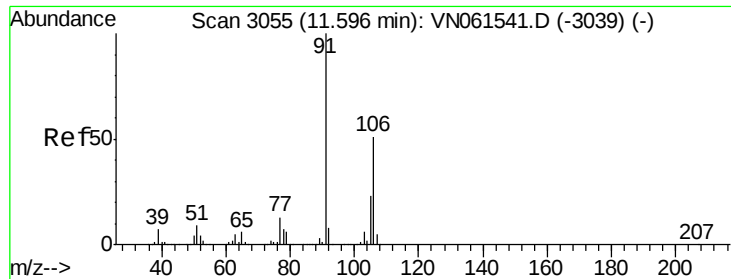
#65
Chlorobenzene
Concen: 47.342 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061616.D
Acq: 2 Jun 2020 13:24

Tgt Ion:112 Resp: 540077
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#68

m/p-Xvlenes

Concen: 0.205 ug/l

RT: 11.59 min Scan# 3052

Delta R.T. -0.01 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

Instrument :

MSVOA_N

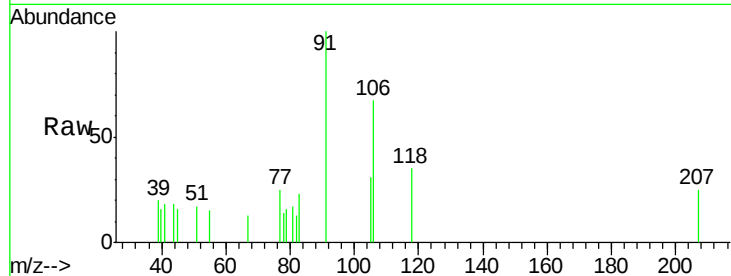
ClientSampled :

Tot Ion:106 Resp: 1603

Ion Ratio Lower Upper

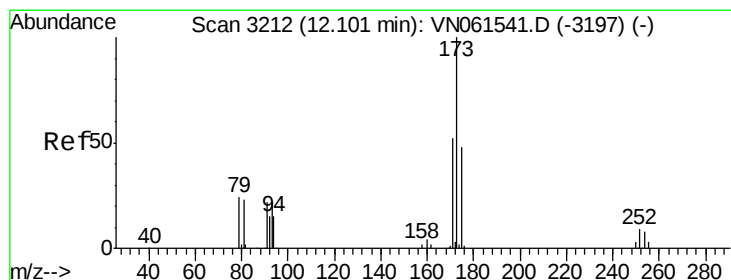
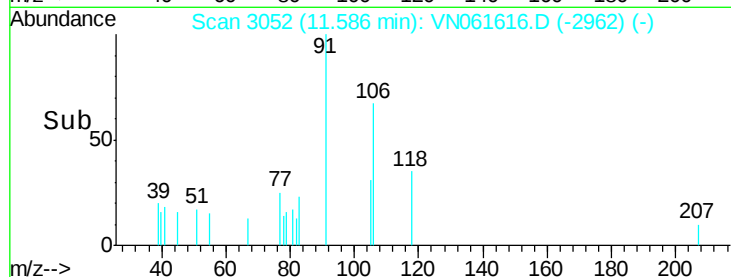
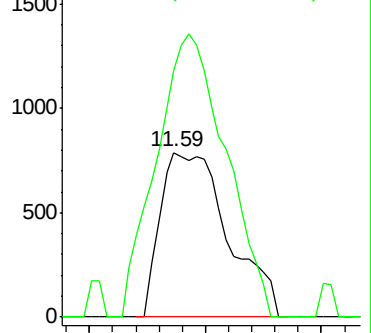
106 100

91 175.7 156.2 234.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#71

Bromoform

Concen: 0.602 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

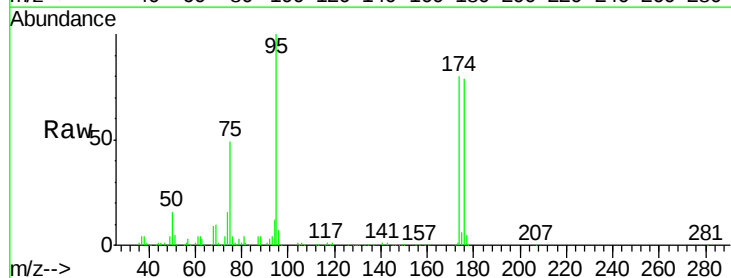
Tgt Ion:173 Resp: 1970

Ion Ratio Lower Upper

173 100

175 684.9 24.4 73.2#

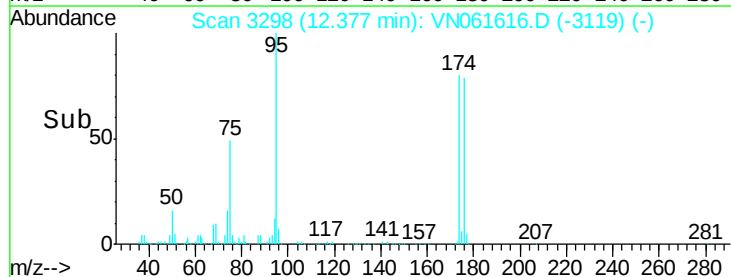
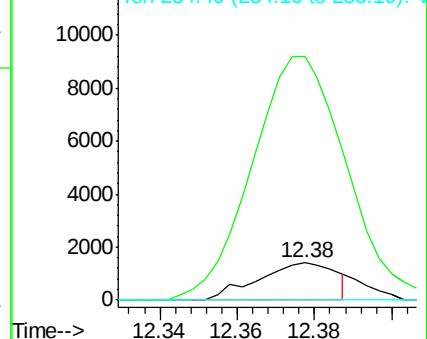
254 0.0 0.0 0.0

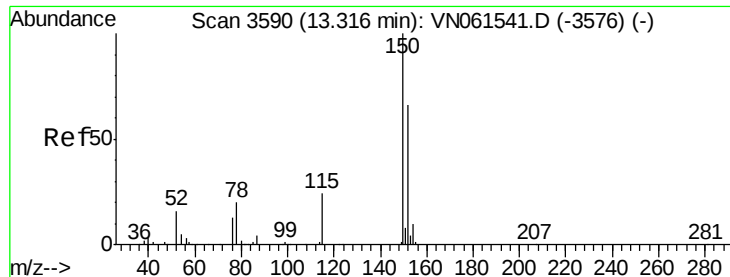


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

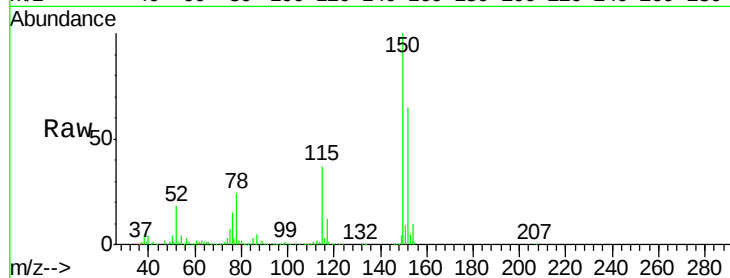
Tot Ion:152 Resp: 253823

Ion Ratio Lower Upper

152 100

115 57.7 28.0 84.0

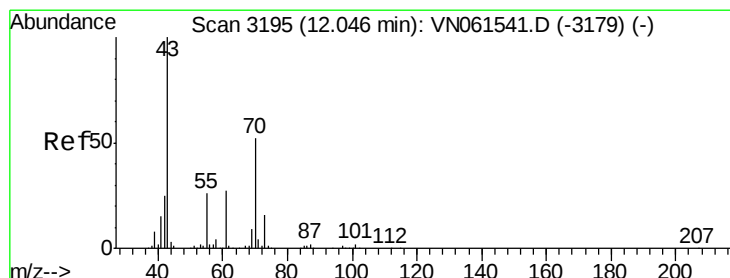
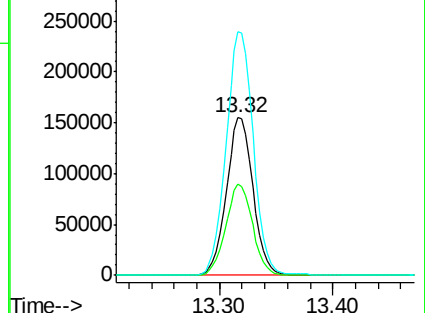
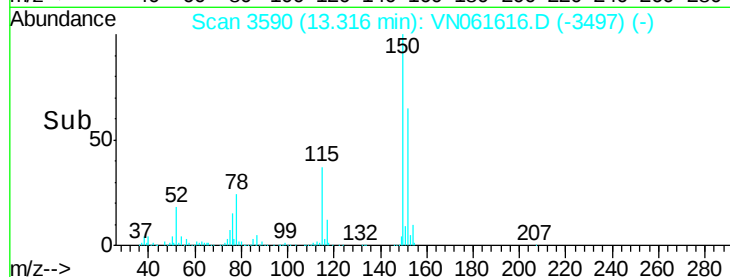
150 157.2 0.0 344.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.245 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

Tgt Ion: 43 Resp: 1431

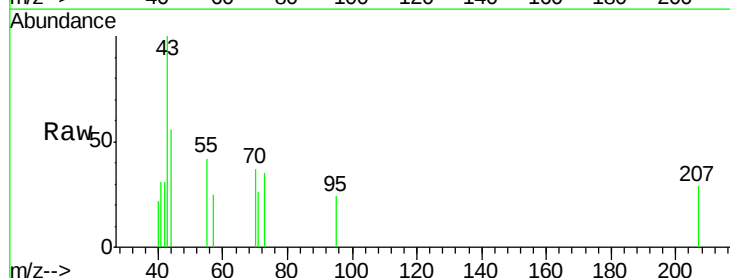
Ion Ratio Lower Upper

43 100

70 21.1 40.5 60.7#

55 16.4 20.6 31.0#

61 6.4 21.8 32.6#

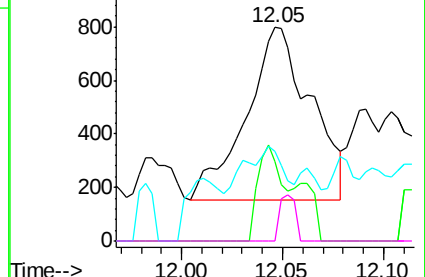
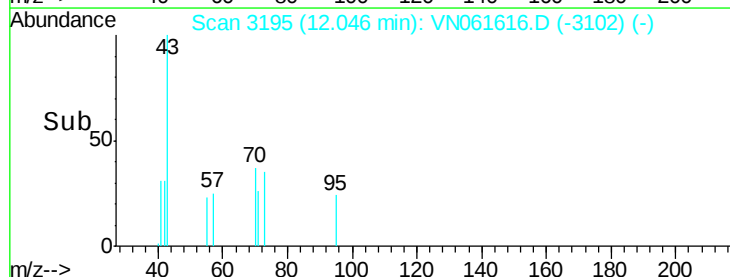


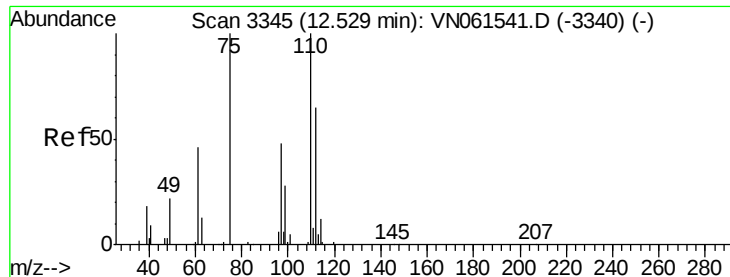
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 27.011 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

Instrument :

MSVOA_N

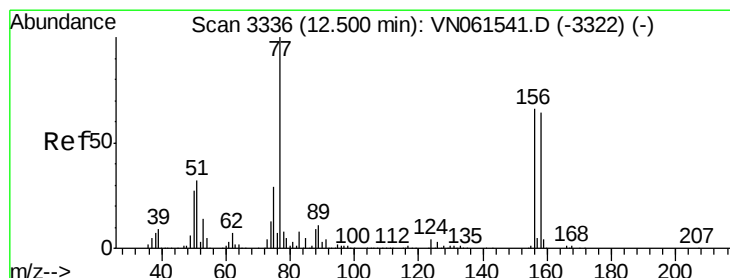
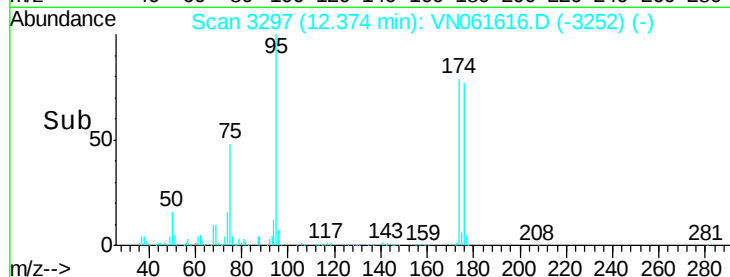
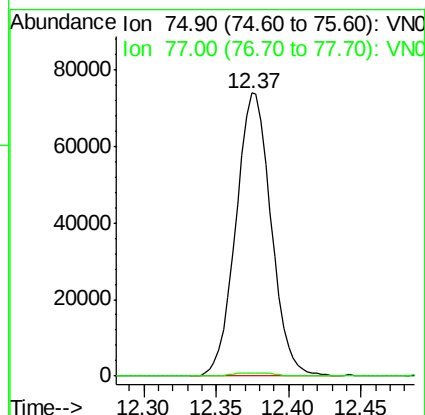
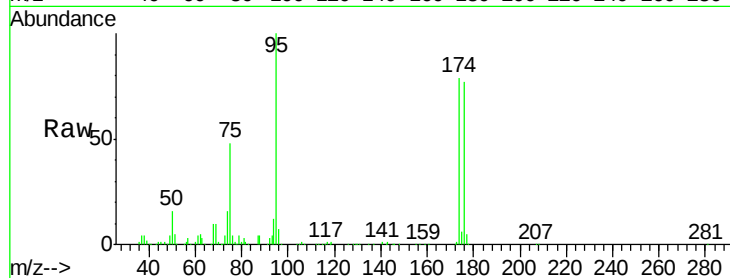
ClientSampleId :

Tot Ion: 75 Resp: 124667

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#77

Bromobenzene

Concen: 0.228 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

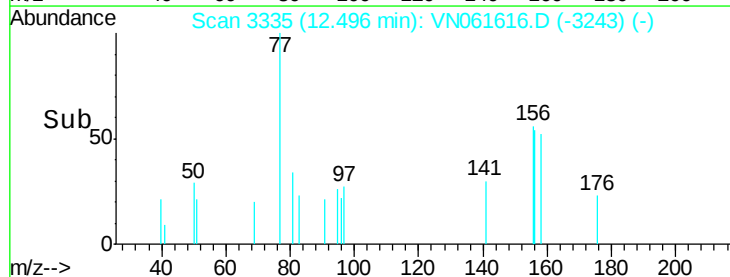
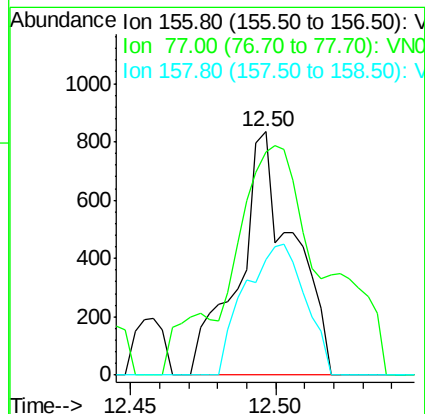
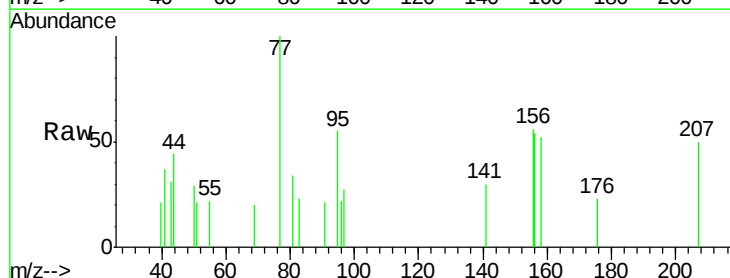
Tgt Ion: 156 Resp: 1080

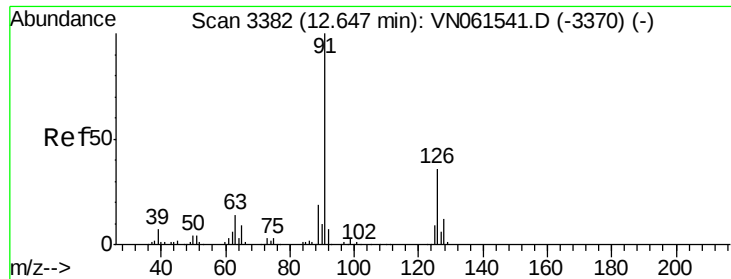
Ion Ratio Lower Upper

156 100

77 163.4 90.9 272.7

158 60.2 48.4 145.3





#79

2-Chlorotoluene

Concen: 0.218 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

Instrument :

MSVOA_N

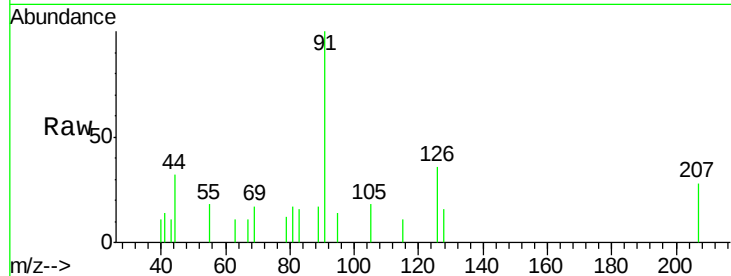
ClientSampleId :

Tot Ion: 91 Resp: 2686

Ion Ratio Lower Upper

91 100

126 27.7 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN061616.D (-3389) (-)

Ion 125.90 (125.60 to 126.60): VN061616.D (-3389) (-)

12.65

1500

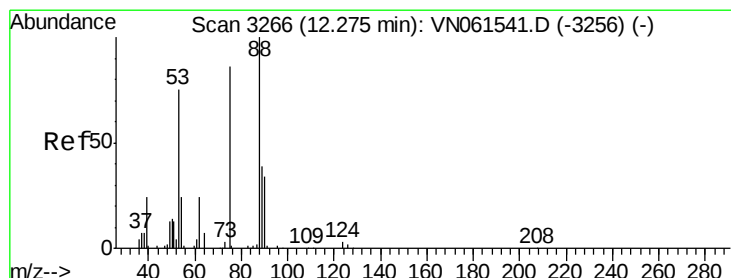
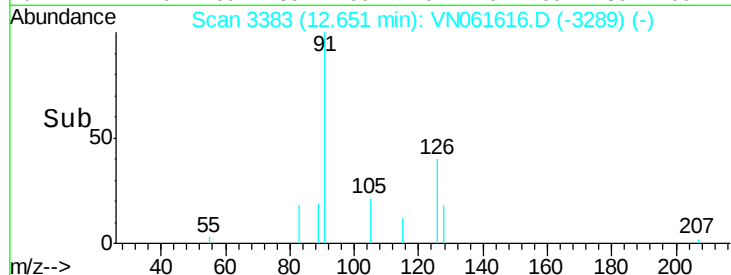
1000

500

0

Time-->

12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 69.073 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

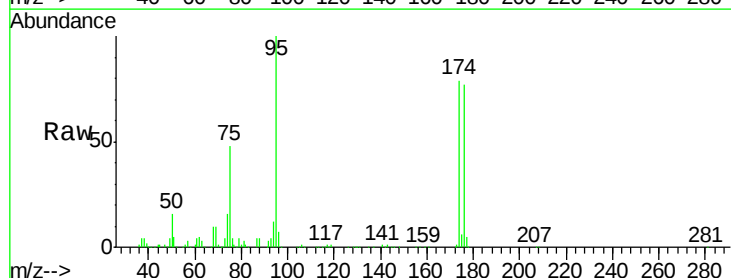
Tgt Ion: 75 Resp: 124667

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VN061616.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN061616.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN061616.D (-3173) (-)

12.37

100000

80000

60000

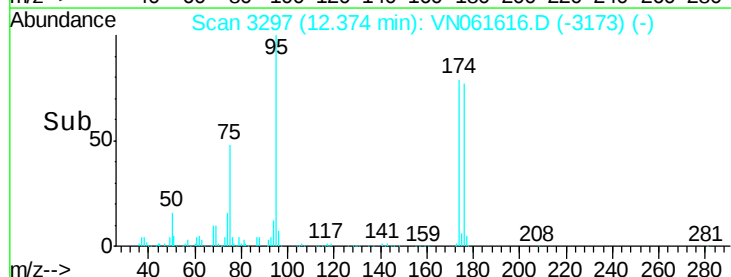
40000

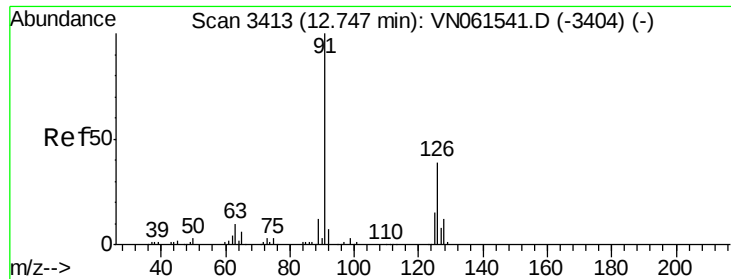
20000

0

Time-->

12.30 12.35 12.40 12.45





#82

4-Chlorotoluene

Concen: 0.209 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

Instrument :

MSVOA_N

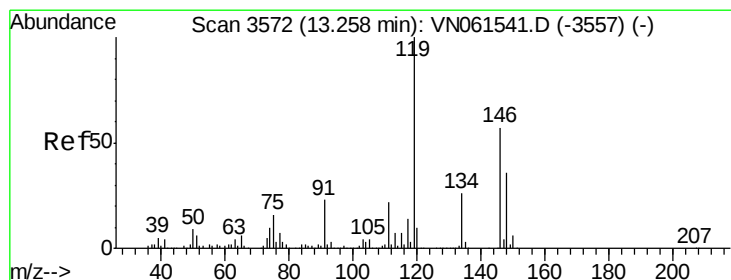
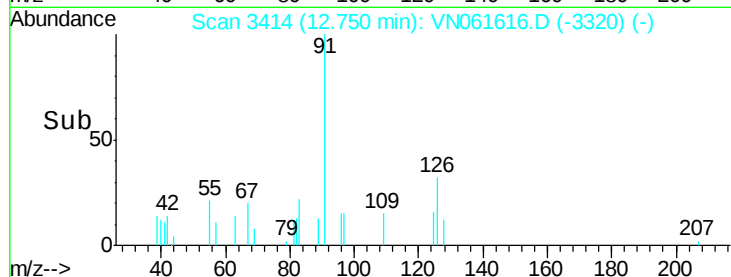
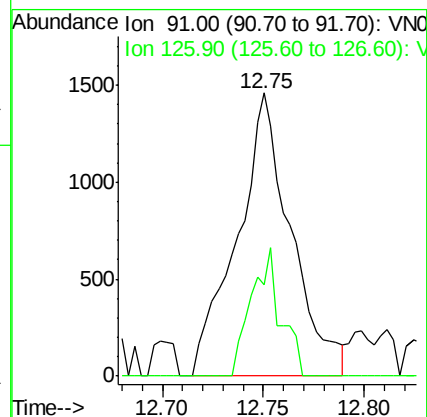
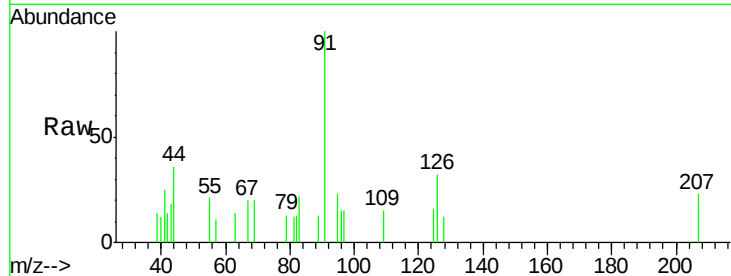
ClientSampleId :

Tot Ion: 91 Resp: 2716

Ion Ratio Lower Upper

91 100

126 24.9 17.5 52.6



#87

1,3-Dichlorobenzene

Concen: 0.429 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. 0.00 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

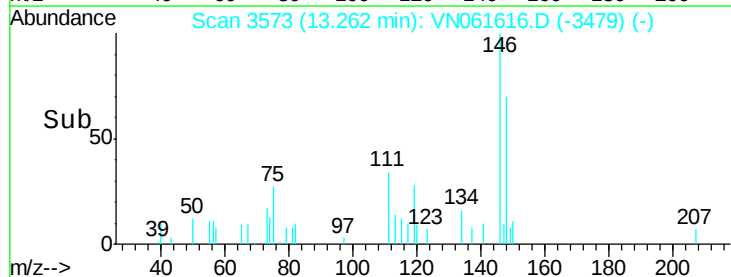
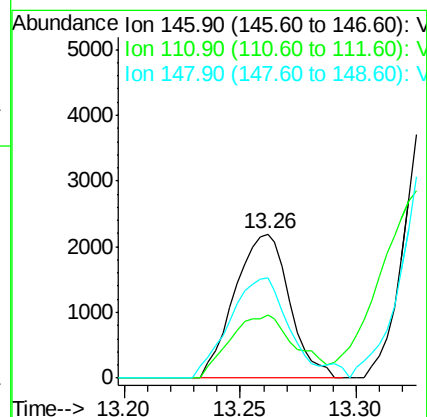
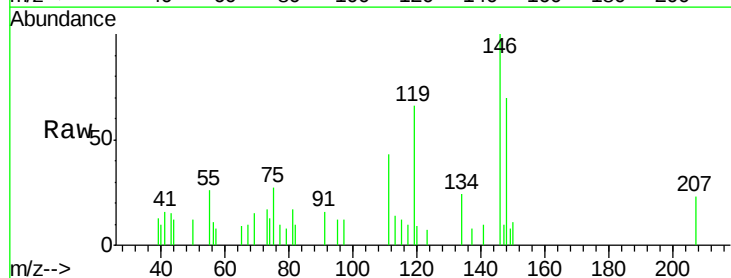
Tgt Ion: 146 Resp: 3593

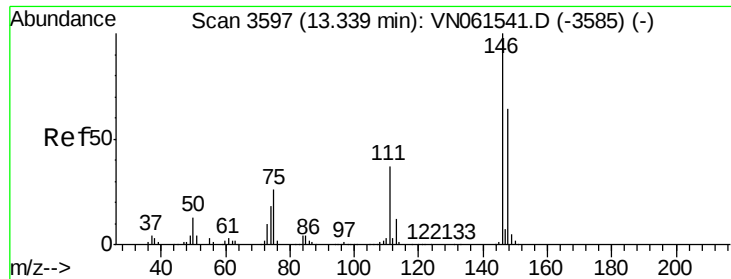
Ion Ratio Lower Upper

146 100

111 52.8 19.2 57.6

148 74.3 31.7 95.1





#88

1,4-Dichlorobenzene

Concen: 0.421 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.08 min

Lab File: VN061616.D

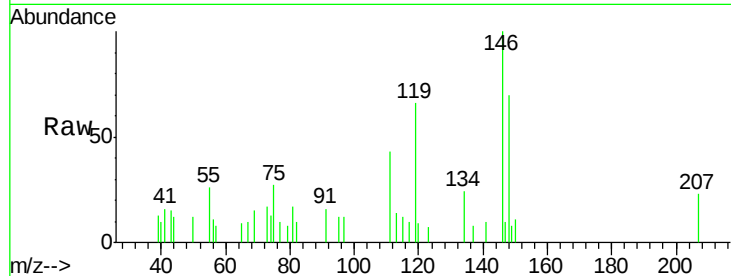
Acq: 2 Jun 2020 13:24

Instrument :

MSVOA_N

ClientSampled :

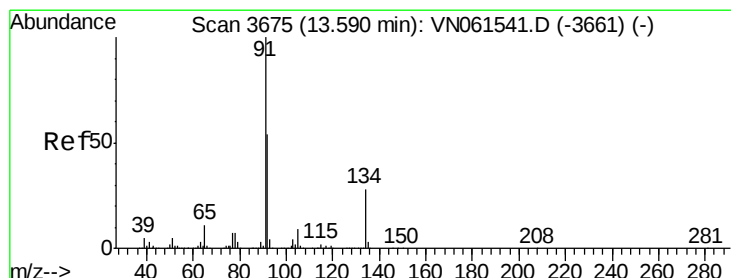
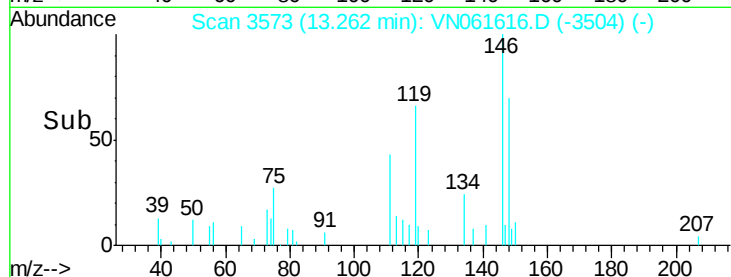
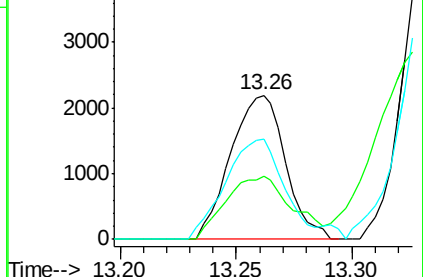
Tot Ion:	146	Resp:	3593
Ion	Ratio	Lower	Upper
146	100		
111	52.8	18.9	56.9
148	74.3	31.8	95.3



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



#89

n-Butylbenzene

Concen: 0.315 ug/l

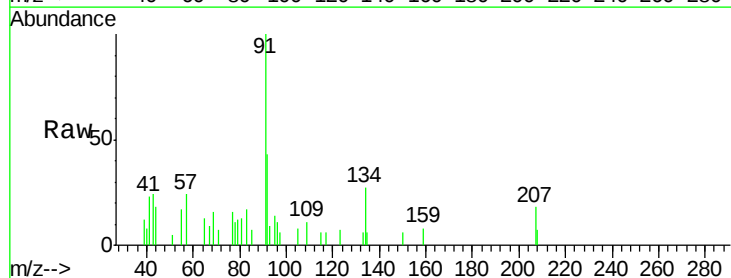
RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

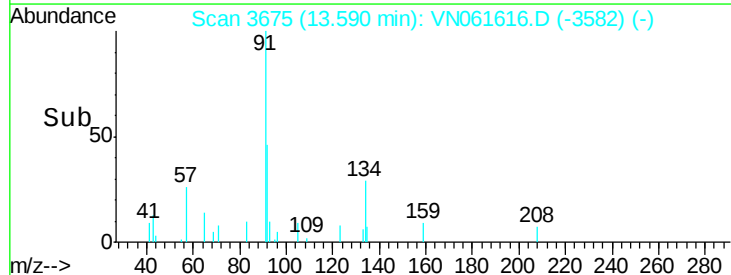
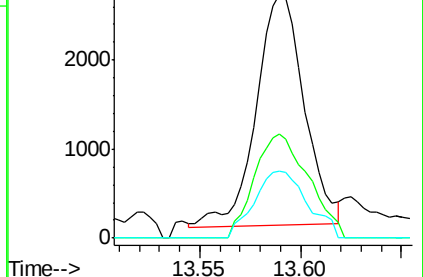
Tgt Ion:	91	Resp:	4288
Ion	Ratio	Lower	Upper
91	100		
92	50.7	27.2	81.6
134	32.0	14.0	42.0

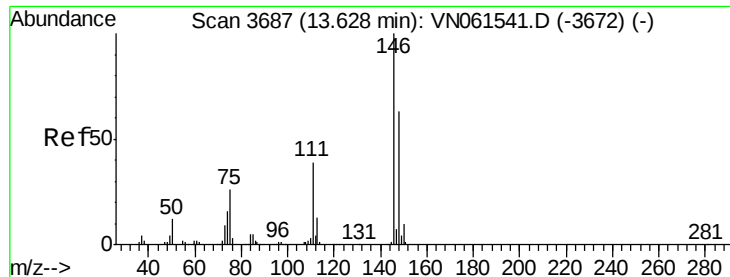


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

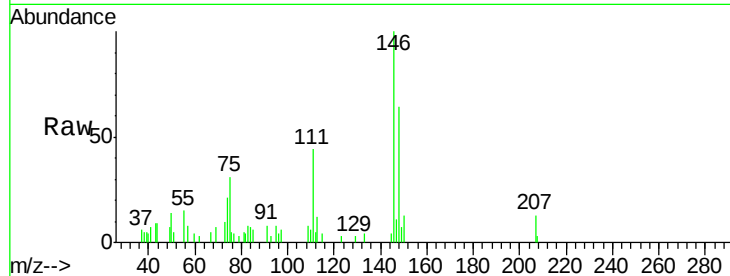




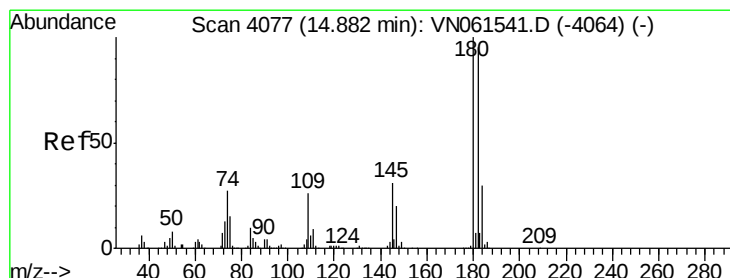
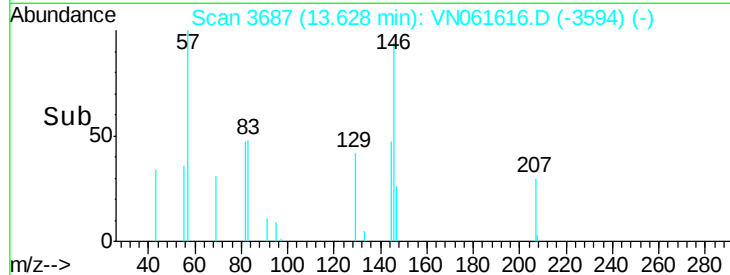
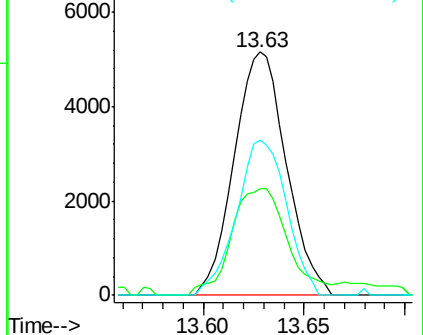
#91
 1,2-Dichlorobenzene
 Concen: 1.163 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061616.D
 Acq: 2 Jun 2020 13:24

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:146 Resp: 9306
 Ion Ratio Lower Upper
 146 100
 111 47.7 20.1 60.2
 148 61.4 31.9 95.5

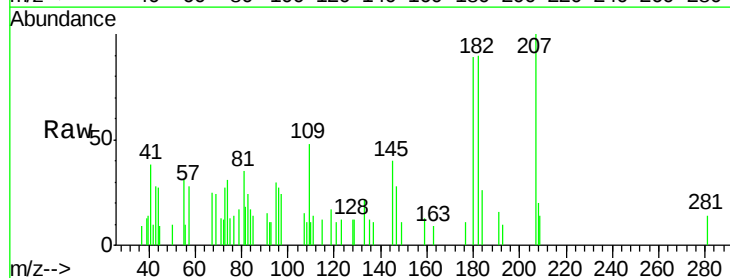


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

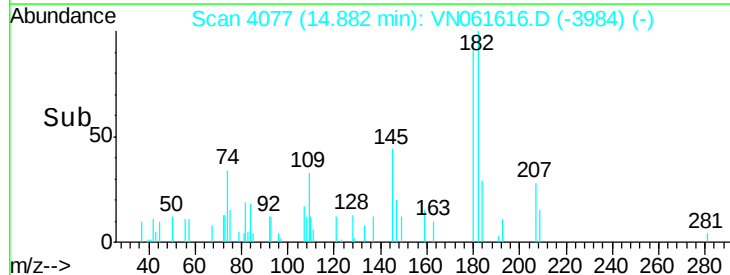
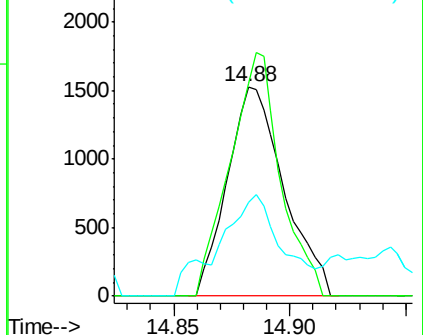


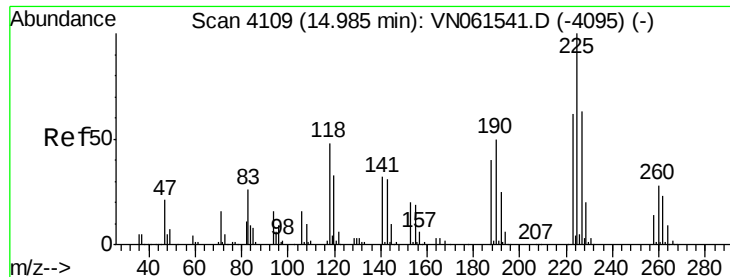
#93
 1,2,4-Trichlorobenzene
 Concen: 0.554 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061616.D
 Acq: 2 Jun 2020 13:24

Tgt Ion:180 Resp: 2594
 Ion Ratio Lower Upper
 180 100
 182 103.5 47.8 143.3
 145 54.9 15.5 46.5#



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





#94

Hexachlorobutadiene

Concen: 0.798 ug/l

RT: 14.98 min Scan# 4108

Delta R.T. -0.00 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

Instrument :

MSVOA_N

ClientSampled :

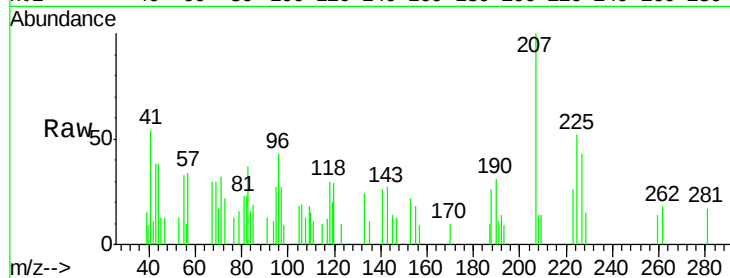
Tot Ion:225 Resp: 1593

Ion Ratio Lower Upper

225 100

223 60.5 31.9 95.5

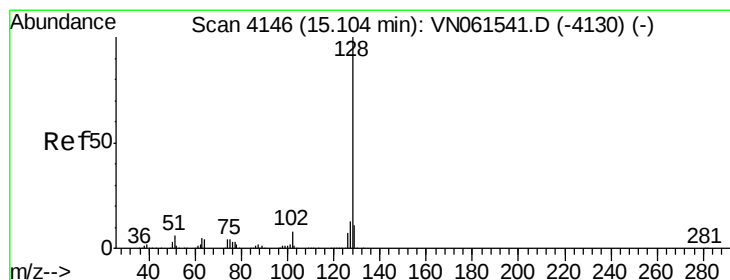
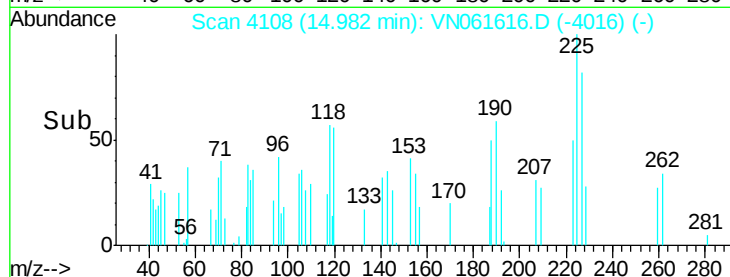
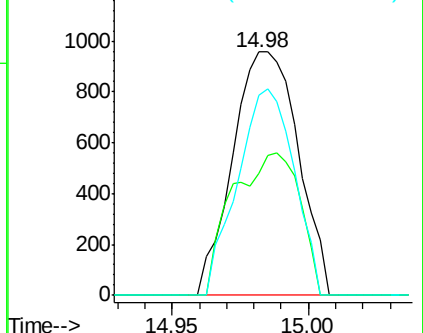
227 73.2 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.711 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061616.D

Acq: 2 Jun 2020 13:24

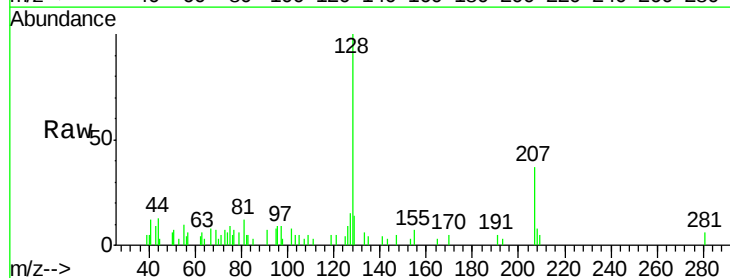
Tgt Ion:128 Resp: 10128

Ion Ratio Lower Upper

128 100

127 14.8 10.0 15.0

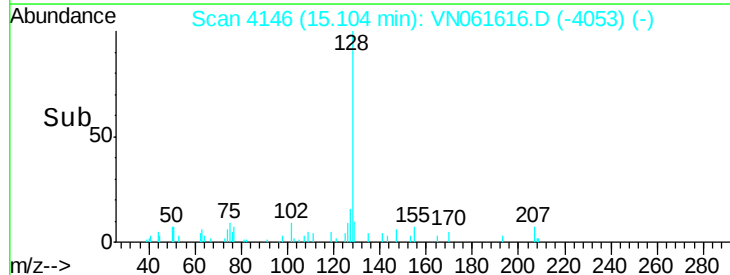
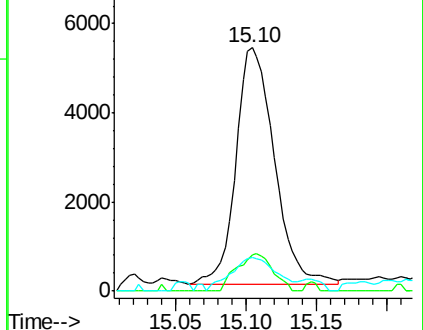
129 16.5 8.5 12.7#

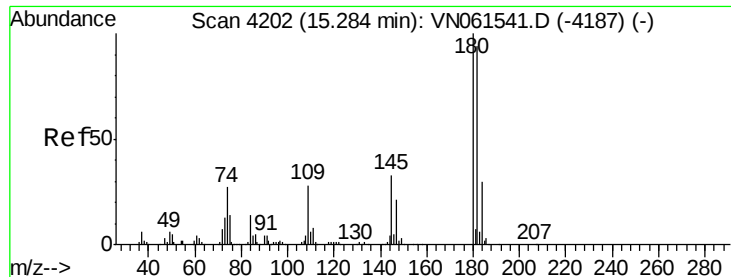


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.608 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. 0.00 min
 Lab File: VN061616.D
 Acq: 2 Jun 2020 13:24

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	85.5	47.1	141.3
145	31.4	16.3	48.9

