

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033119\
 Data File : VN054845.D
 Acq On : 31 Mar 2019 12:53
 Operator : JC/SP
 Sample : K1689-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 01 02:45:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	526154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	873616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	749106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	276457	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	364844	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
35) Dibromofluoromethane	7.59	113	281146	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	10.09	98	1054738	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.40	95	324830	45.11	ug/l	0.00
Spiked Amount			Recovery	=	90.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.59	94	384	Below Cal	#	79
11) Tert butyl alcohol	4.82	59	309	0.836	ug/l #	70
13) Acrolein	3.62	56	227	0.687	ug/l #	14
16) Acetone	3.82	43	14631	8.650	ug/l #	75
18) Methyl Acetate	4.33	43	2472	Below Cal	#	69
20) Methylene Chloride	4.54	84	47687	7.993	ug/l #	86
25) 2-Butanone	6.86	43	1464	0.586	ug/l	99
30) Chloroform	7.37	83	4844	0.473	ug/l	90
31) Cyclohexane	7.67	56	11379	Below Cal	#	16
36) 1,1-Dichloropropene	7.67	75	41351	5.080	ug/l #	47
38) Carbon Tetrachloride	7.67	117	50250	6.355	ug/l #	16
43) Isopropyl Acetate	8.17	43	18204	1.877	ug/l #	94
45) 1,2-Dichloropropane	9.27	63	1717	0.259	ug/l #	43
48) Methyl methacrylate	9.18	41	9145	1.739	ug/l #	11
49) 1,4-Dioxane	9.28	88	60	1.150	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	4742	0.870	ug/l	98
52) Toluene	10.16	92	3216	0.232	ug/l	97
54) cis-1,3-Dichloropropene	9.91	75	57785	6.623	ug/l #	70
57) 1,3-Dichloropropane	10.76	76	10690	1.206	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.69	63	33	10.365	ug/l #	44
59) 2-Hexanone	10.77	43	179418	51.394	ug/l #	49
68) m/p-Xylenes	11.62	106	4194	0.428	ug/l	89
69) o-Xylene	11.95	106	2596	0.270	ug/l	94
74) N-ethyl acetate	11.88	43	17429	2.476	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	12.53	83	30	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	169040	35.197	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4771	0.257	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	169040	136.907	ug/l #	11
83) tert-Butylbenzene	12.99	119	440	Below Cal	#	58
84) 1,2,4-Trimethylbenzene	13.04	105	8813	0.499	ug/l	98
94) Hexachlorobutadiene	15.01	225	90	Below Cal	#	19
95) Naphthalene	15.13	128	22397	2.248	ug/l	97

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QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration

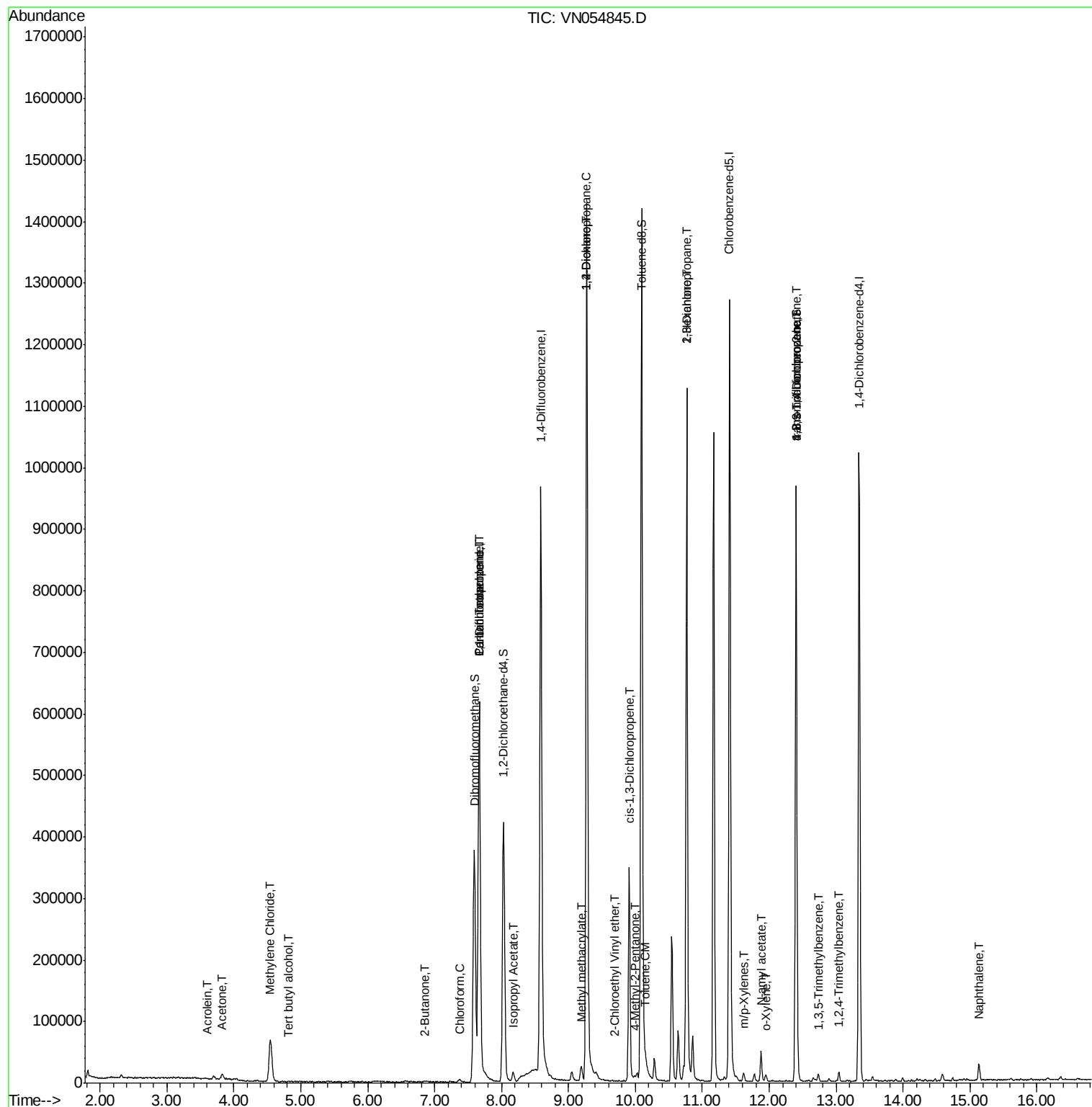
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

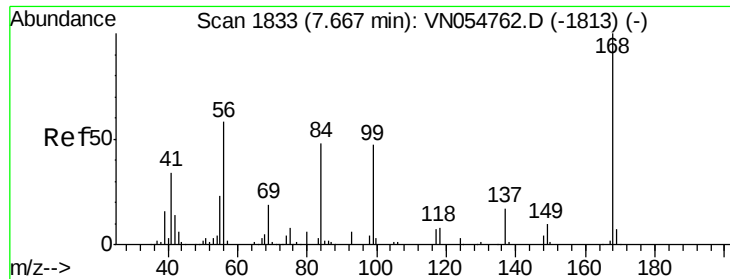
(#)= qualifier out of range (m)= manual integration (+)= signals summed						

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

Instrument :

MSVOA_N

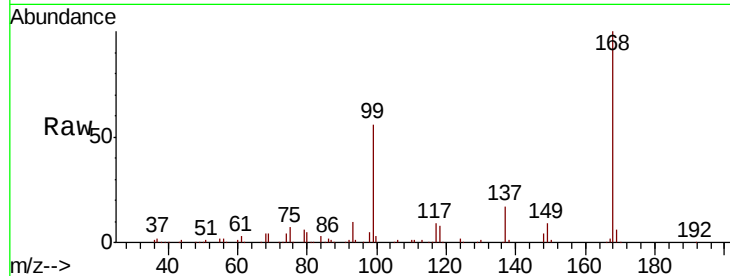
ClientSampled :

Tot Ion:168 Resp: 526154

Ion Ratio Lower Upper

168 100

99 56.3 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): VN054762.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN054762.D (-1813) (-)

7.67

250000

200000

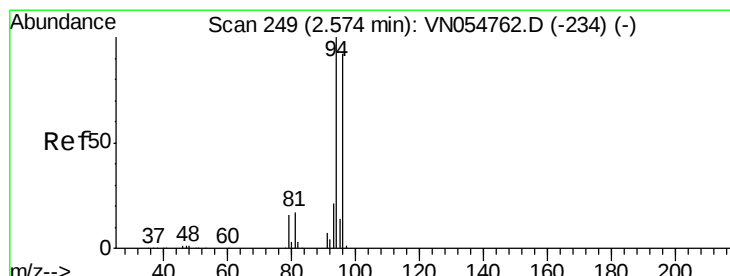
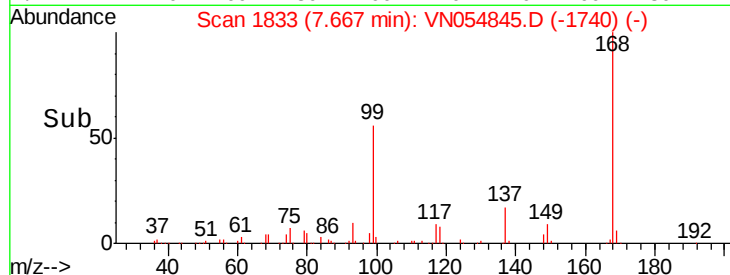
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.59 min Scan# 254

Delta R.T. 0.02 min

Lab File: VN054845.D

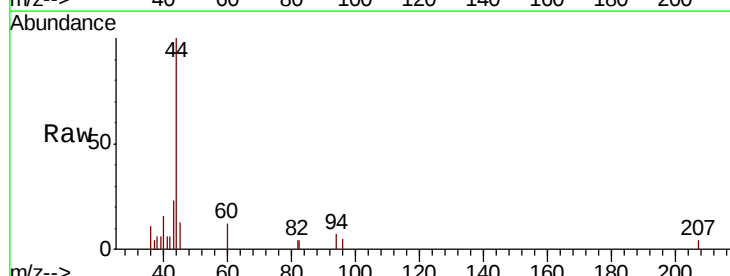
Acq: 31 Mar 2019 12:53

Tgt Ion: 94 Resp: 384

Ion Ratio Lower Upper

94 100

96 75.3 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN054762.D (-234) (-)

Ion 95.90 (95.60 to 96.60): VN054762.D (-234) (-)

2.59

300

250

200

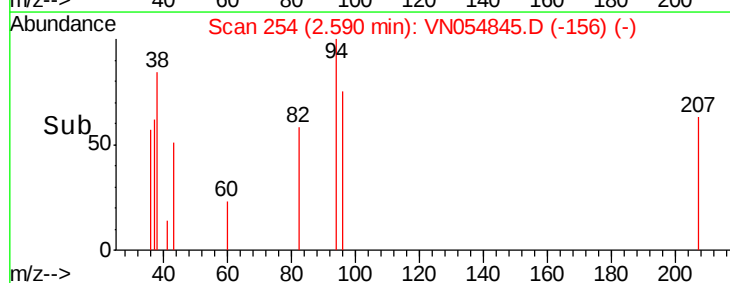
150

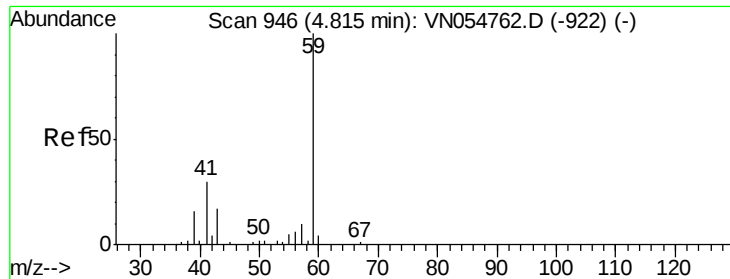
100

50

0

Time-->

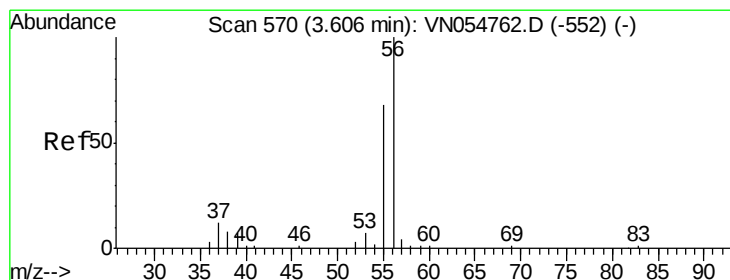
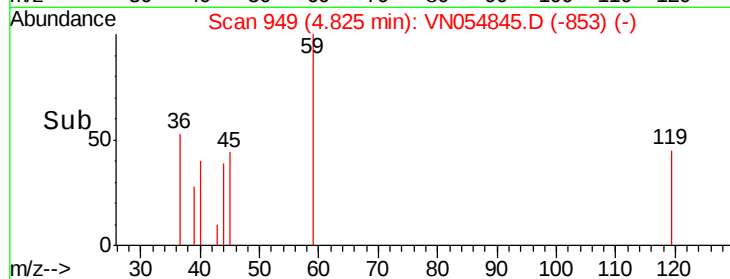
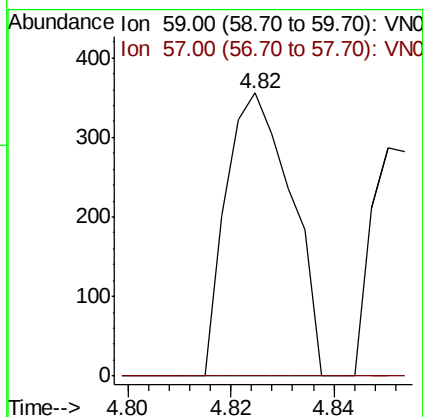
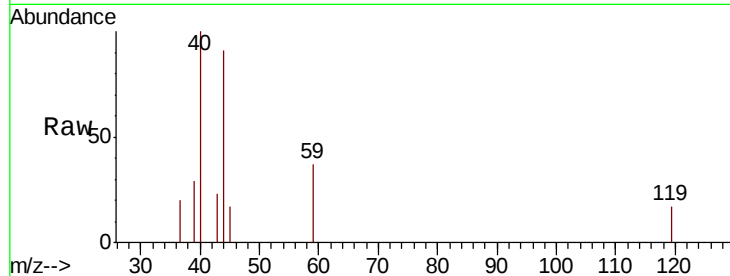




#11
Tert butyl alcohol
Concen: 0.836 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.01 min
Lab File: VN054845.D
Acq: 31 Mar 2019 12:53

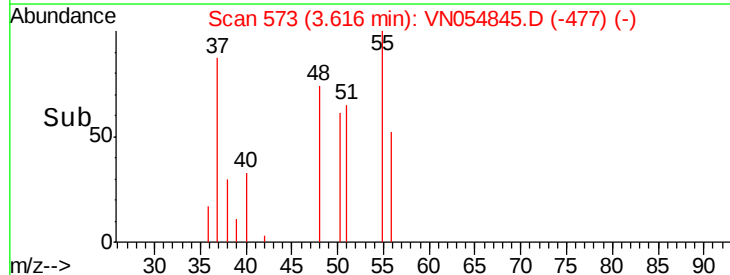
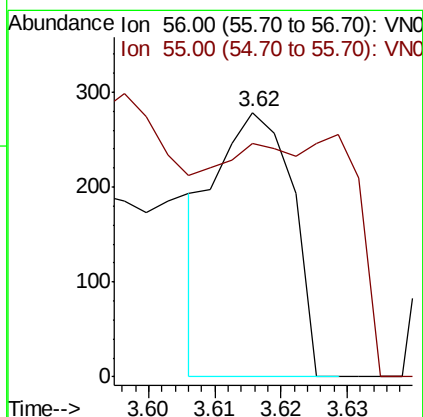
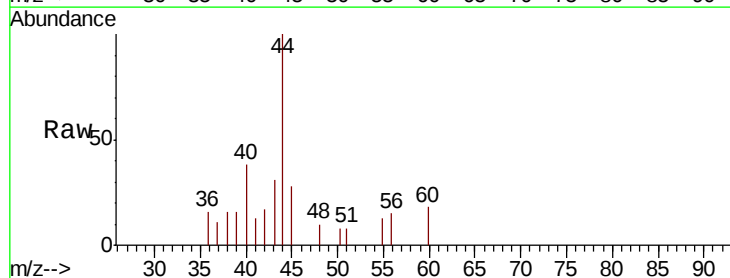
Instrument :
MSVOA_N
ClientSampled :

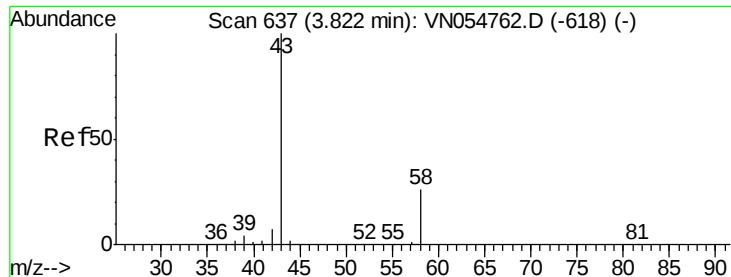
Tot Ion: 59 Resp: 309
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#13
Acrolein
Concen: 0.687 ug/l
RT: 3.62 min Scan# 573
Delta R.T. 0.01 min
Lab File: VN054845.D
Acq: 31 Mar 2019 12:53

Tgt Ion: 56 Resp: 227
Ion Ratio Lower Upper
56 100
55 0.0 56.7 85.1#





#16

Acetone

Concen: 8.650 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

Instrument :

MSVOA_N

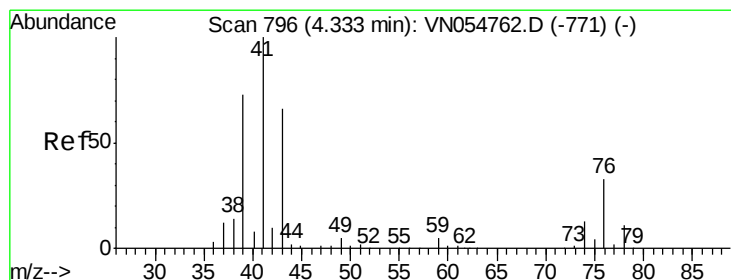
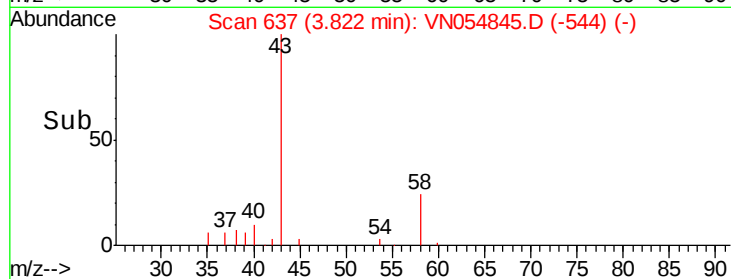
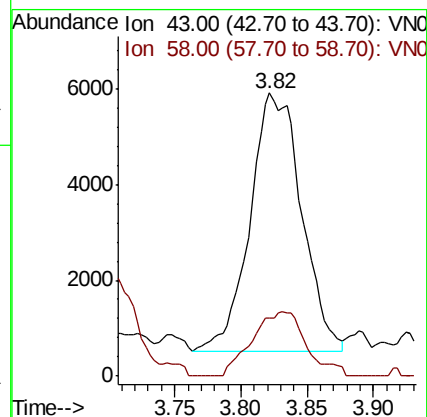
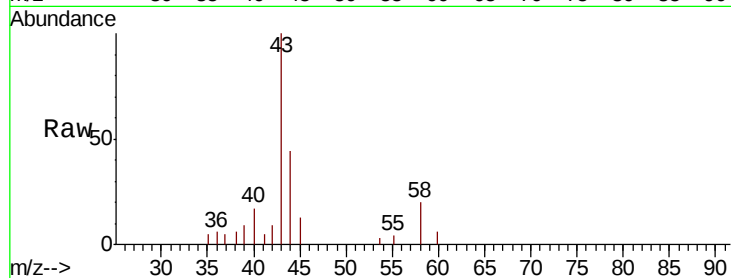
ClientSampled :

Tot Ion: 43 Resp: 14631

Ion Ratio Lower Upper

43 100

58 22.4 29.9 44.9#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054845.D

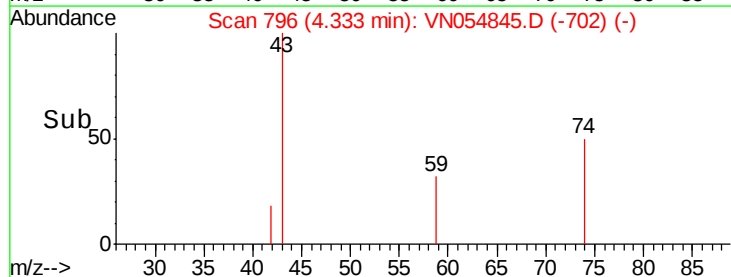
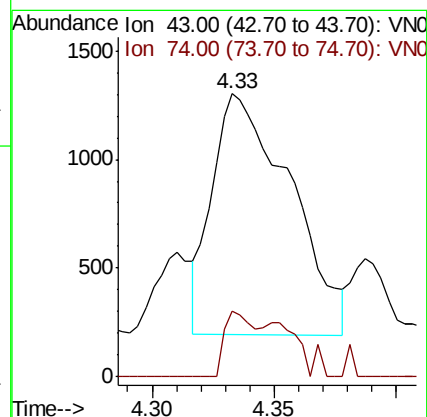
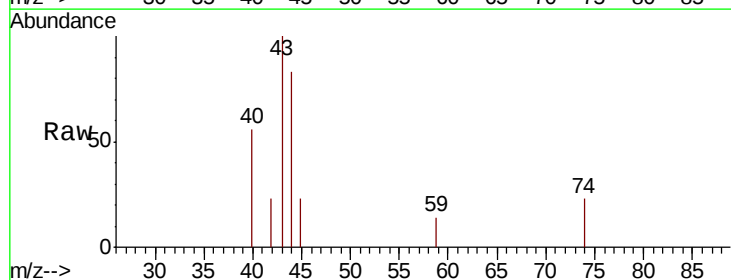
Acq: 31 Mar 2019 12:53

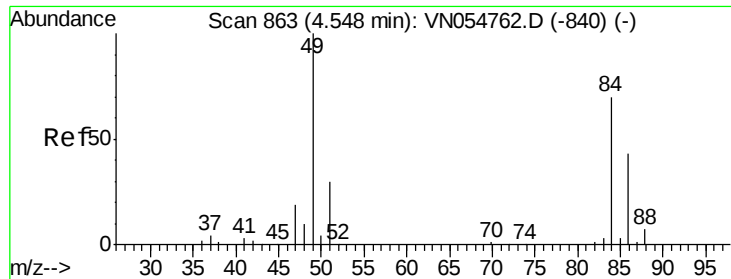
Tgt Ion: 43 Resp: 2472

Ion Ratio Lower Upper

43 100

74 10.0 20.8 31.2#

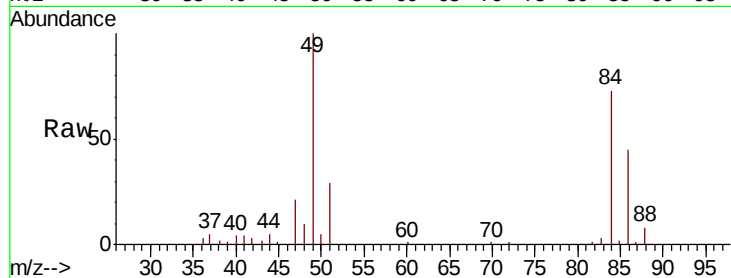




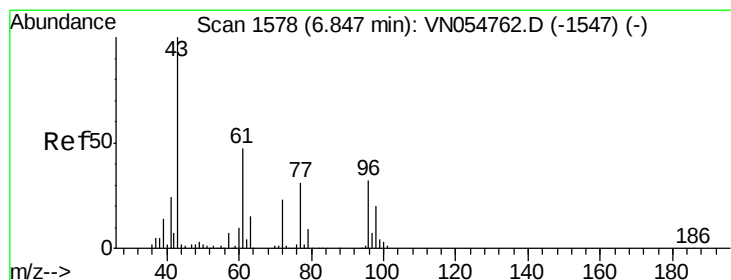
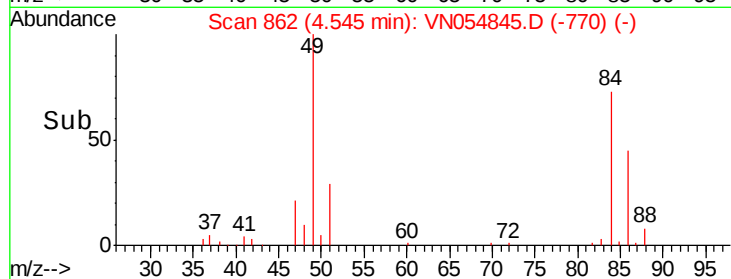
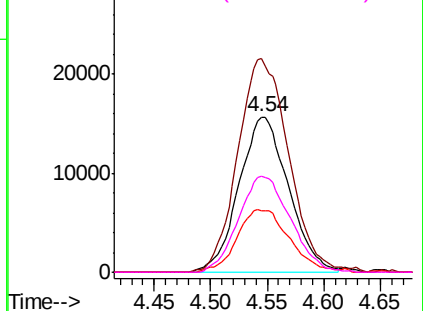
#20
Methvlene Chloride
Concen: 7.993 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054845.D
Acq: 31 Mar 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	84	Resp:	47687
Ion	Ratio	Lower	Upper
84	100		
49	137.4	89.7	134.5#
51	39.7	28.2	42.4
86	61.8	50.8	76.2

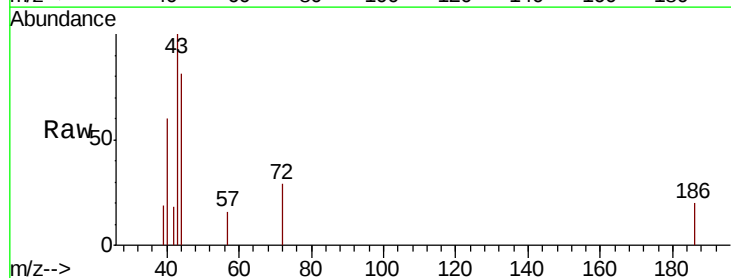


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

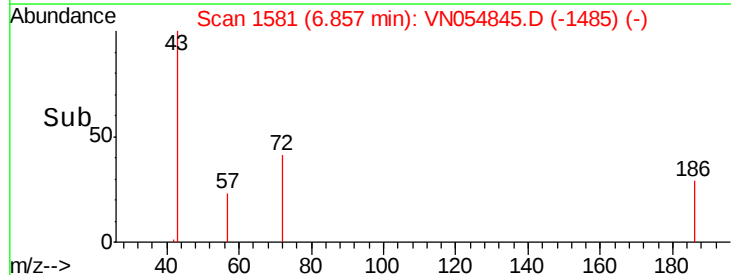
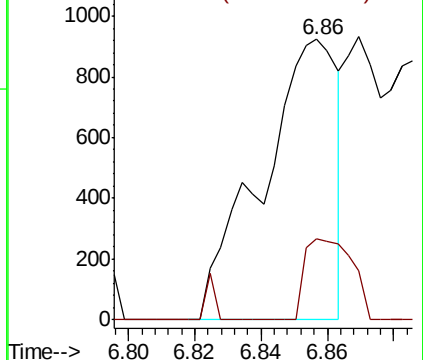


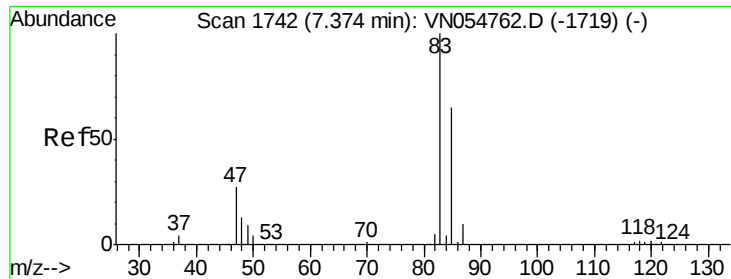
#25
2-Butanone
Concen: 0.586 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VN054845.D
Acq: 31 Mar 2019 12:53

Tgt Ion:	43	Resp:	1464
Ion	Ratio	Lower	Upper
43	100		
72	29.1	23.0	34.6



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC





#30

Chloroform

Concen: 0.473 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

Instrument :

MSVOA_N

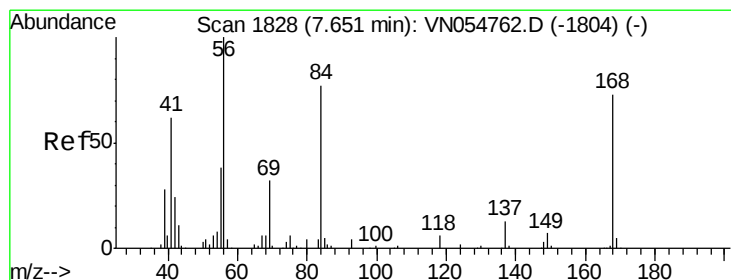
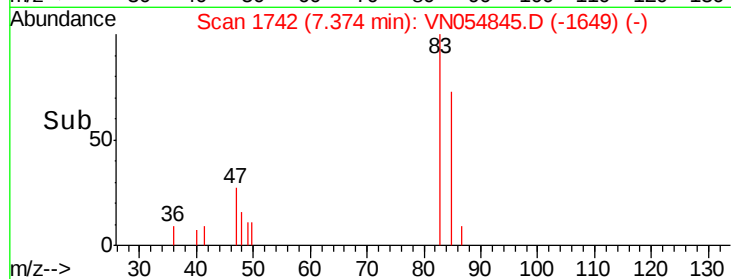
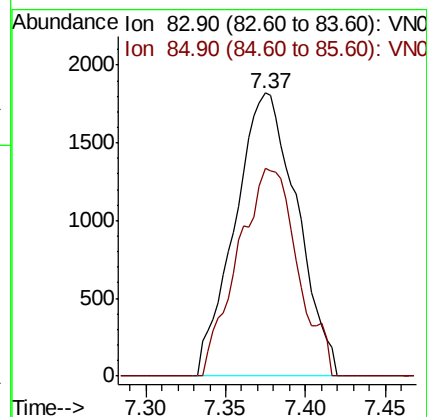
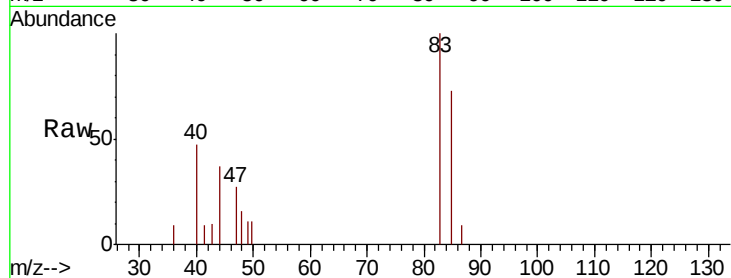
ClientSampleId :

Tot Ion: 83 Resp: 4844

Ion Ratio Lower Upper

83 100

85 73.4 52.2 78.4



#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

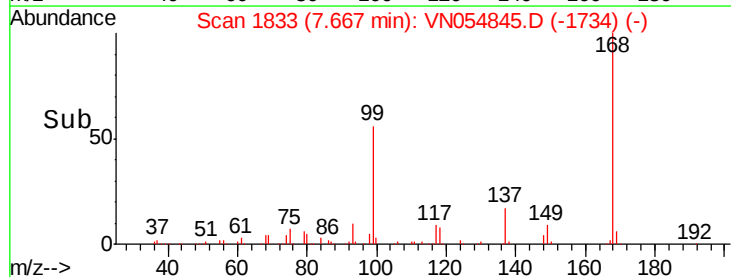
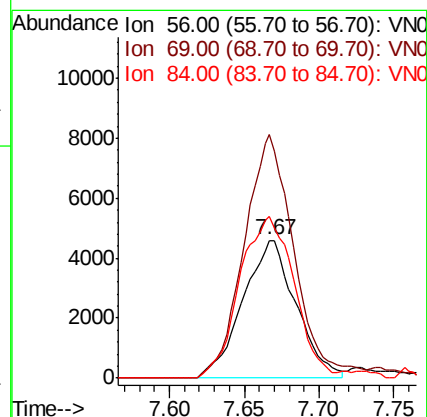
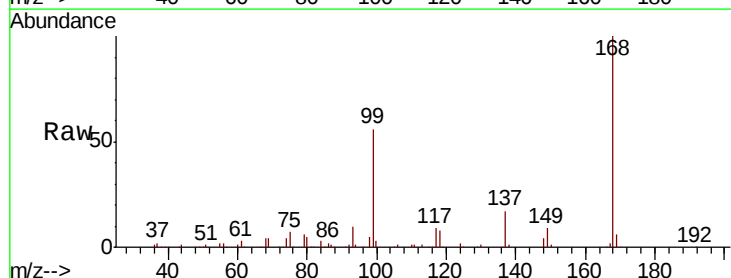
Tgt Ion: 56 Resp: 11379

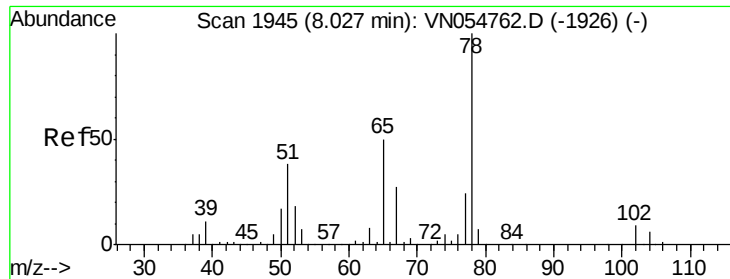
Ion Ratio Lower Upper

56 100

69 176.6 27.8 41.6#

84 116.8 74.6 111.8#

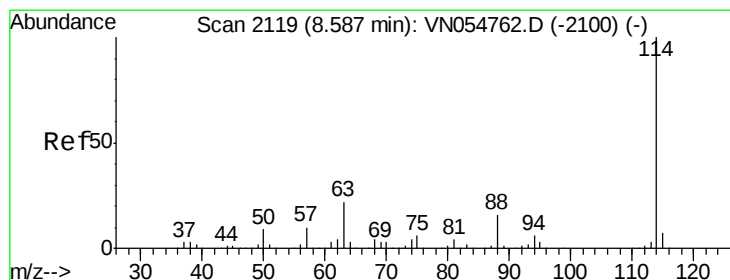
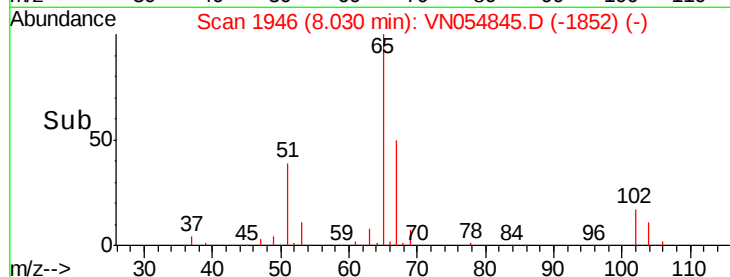
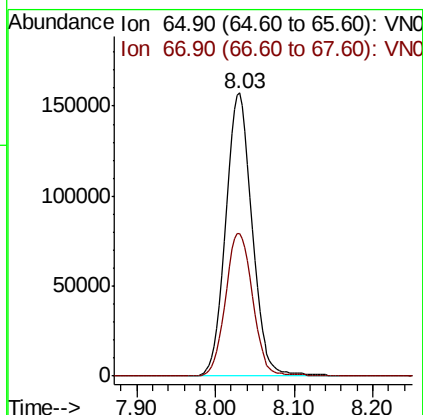
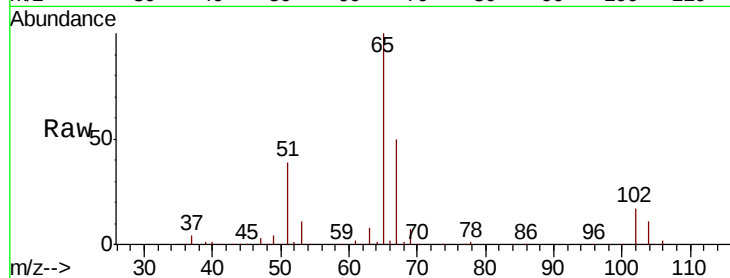




#33
 1,2-Dichloroethane-d4
 Concen: 51.439 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054845.D
 Acq: 31 Mar 2019 12:53

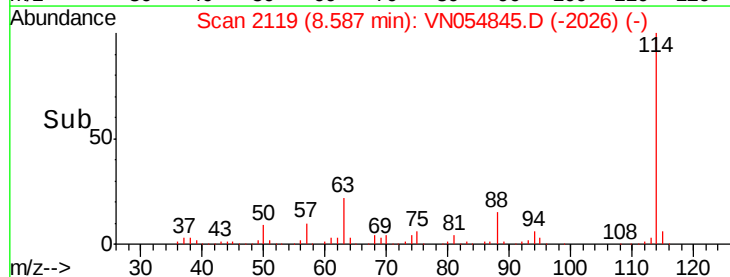
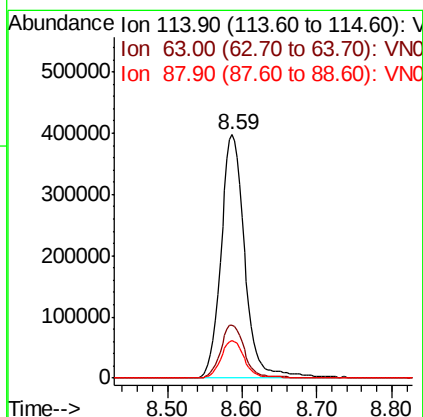
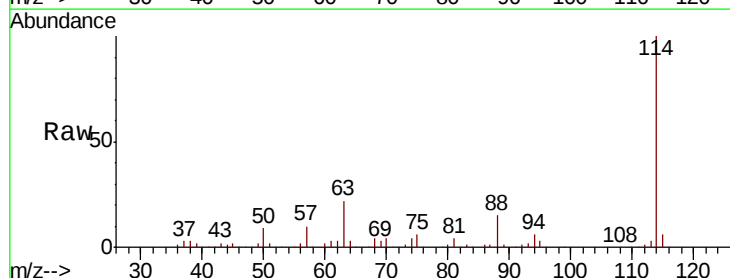
Instrument :
 MSVOA_N
 ClientSampleId :

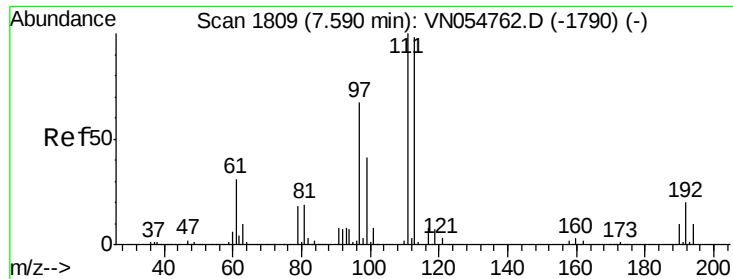
Tot Ion: 65 Resp: 364844
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054845.D
 Acq: 31 Mar 2019 12:53

Tgt Ion: 114 Resp: 873616
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 35.2
 88 15.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.271 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

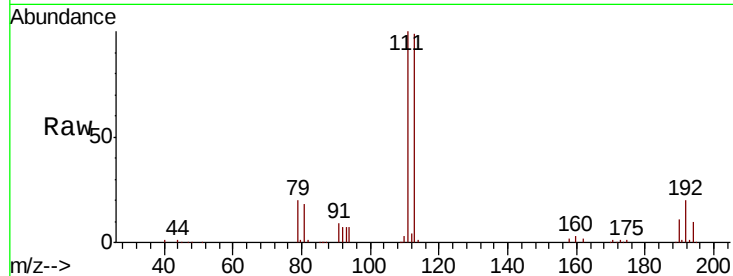
Tot Ion:113 Resp: 281146

Ion Ratio Lower Upper

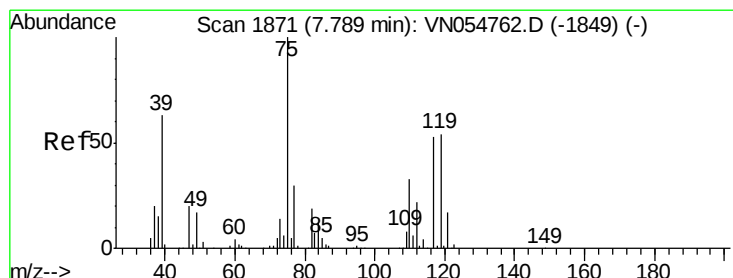
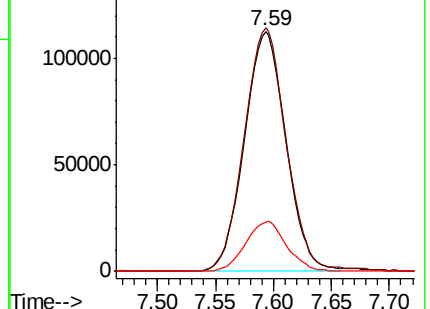
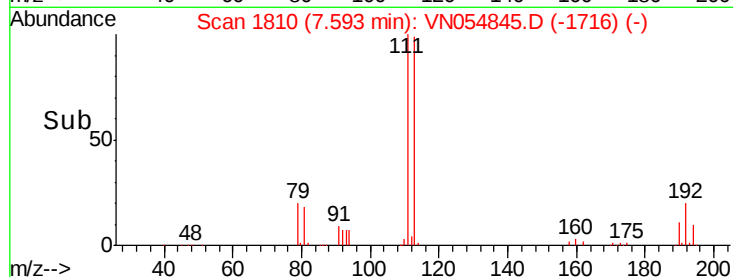
113 100

111 102.1 82.2 123.4

192 20.5 19.2 28.8



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: 5.080 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

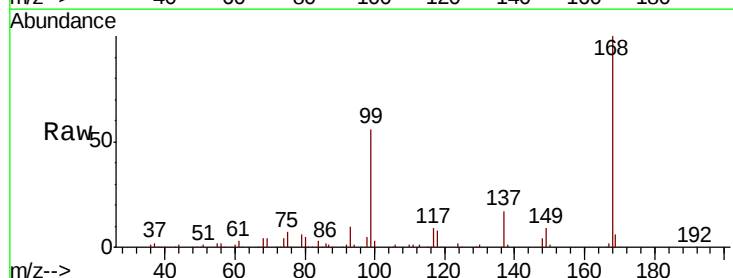
Tgt Ion: 75 Resp: 41351

Ion Ratio Lower Upper

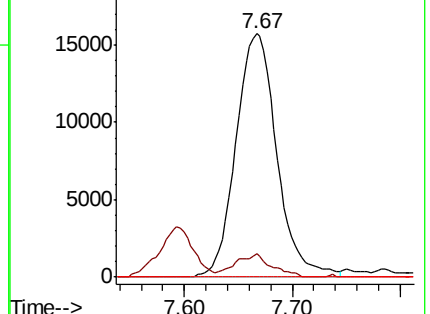
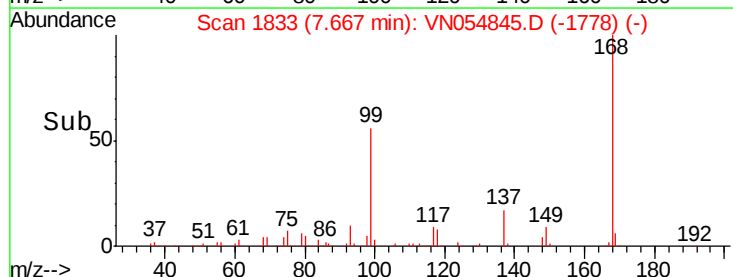
75 100

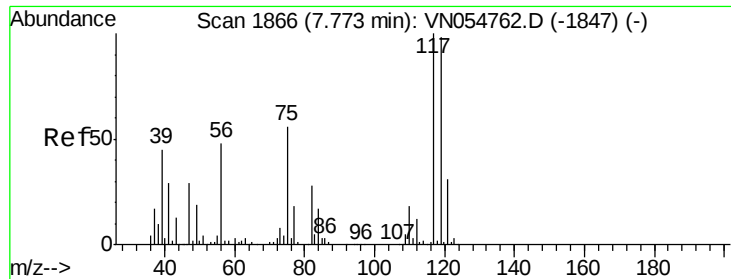
110 8.4 19.1 57.5#

77 0.0 25.0 37.4#



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





#38

Carbon Tetrachloride

Concen: 6.355 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.10 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

Instrument :
MSVOA_N
ClientSampled :

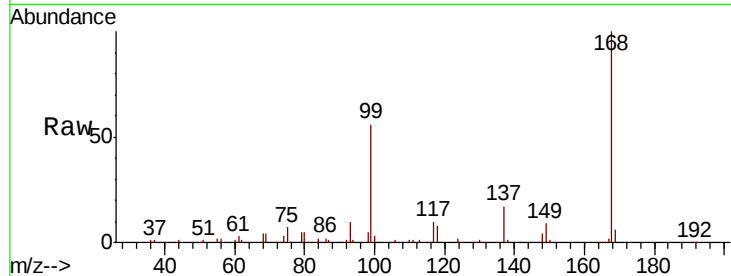
Tot Ion:117 Resp: 50250

Ion Ratio Lower Upper

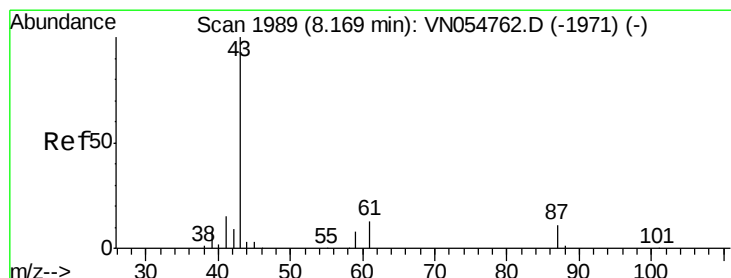
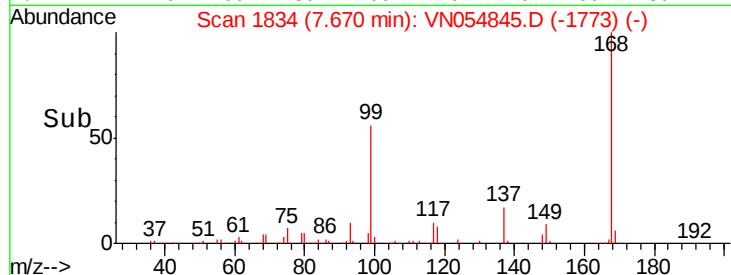
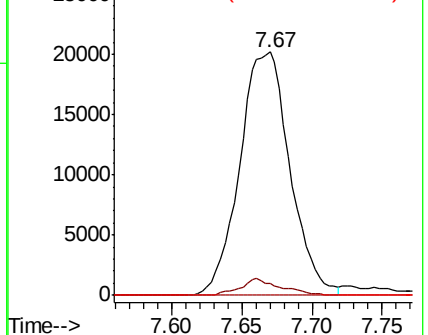
117 100

119 4.7 76.3 114.5#

121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 1.877 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

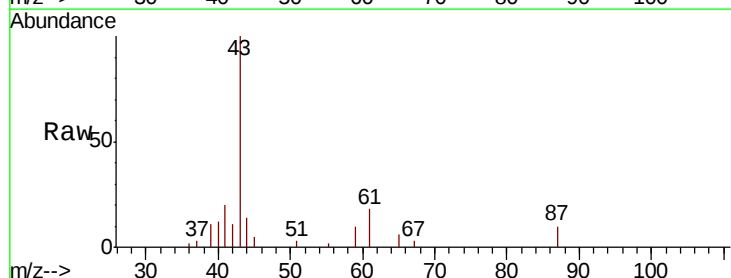
Tgt Ion: 43 Resp: 18204

Ion Ratio Lower Upper

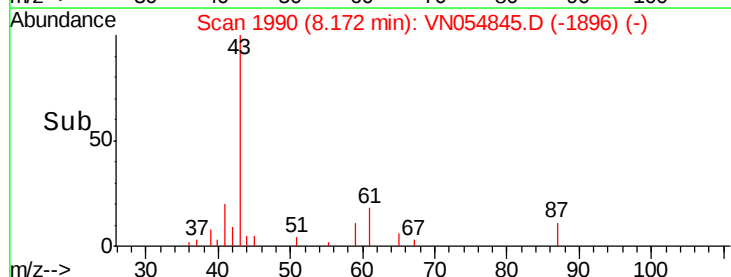
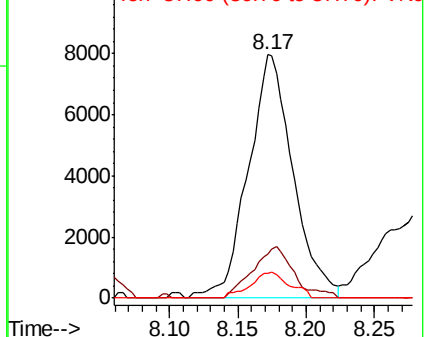
43 100

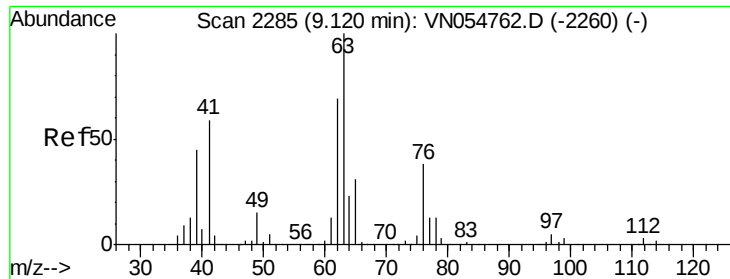
61 19.4 15.8 23.8

87 9.3 12.0 18.0#



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





#45

1,2-Dichloropropane

Concen: 0.259 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

Instrument :

MSVOA_N

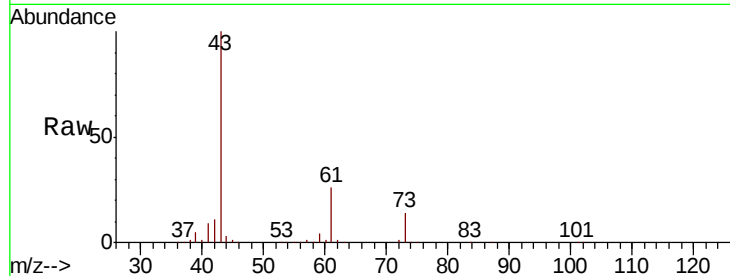
ClientSampleId :

Tot Ion: 63 Resp: 1717

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.27

1200

1000

800

600

400

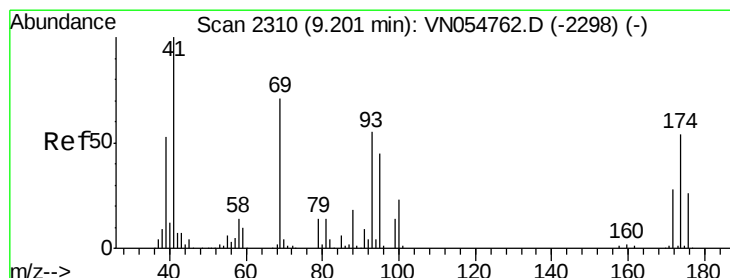
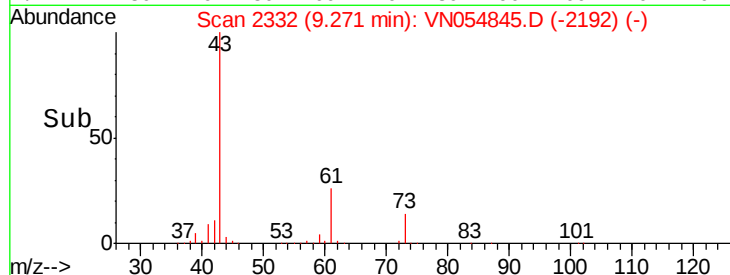
200

0

9.25

9.30

Time-->



#48

Methyl methacrylate

Concen: 1.739 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

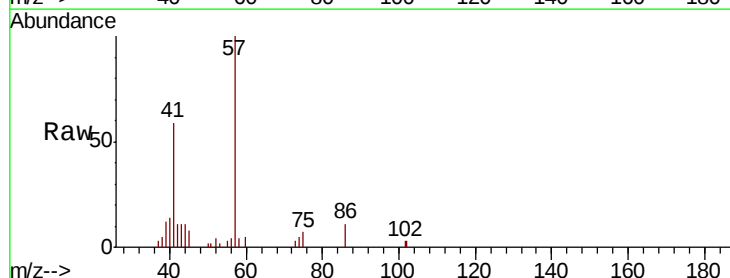
Tgt Ion: 41 Resp: 9145

Ion Ratio Lower Upper

41 100

69 0.0 72.6 108.8#

39 0.0 47.5 71.3#



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

100000

80000

60000

40000

20000

0

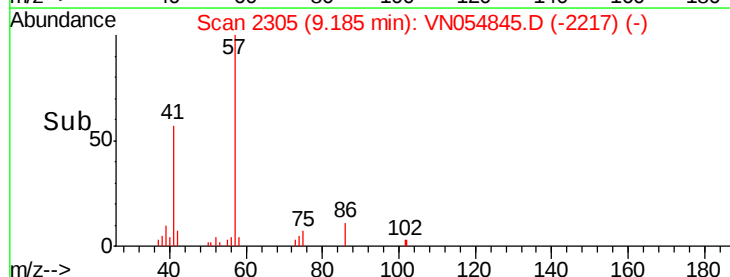
9.10

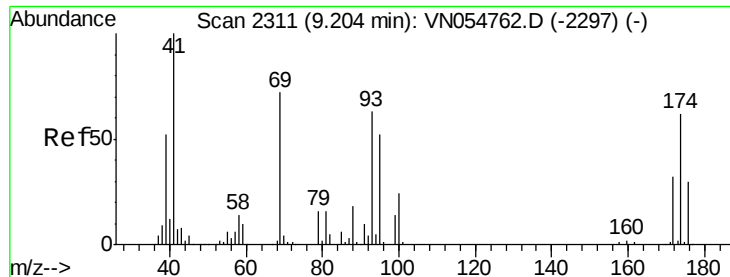
9.15

9.20

9.25

Time-->





#49

1,4-Dioxane

Concen: 1.150 ug/l

RT: 9.28 min Scan# 2334

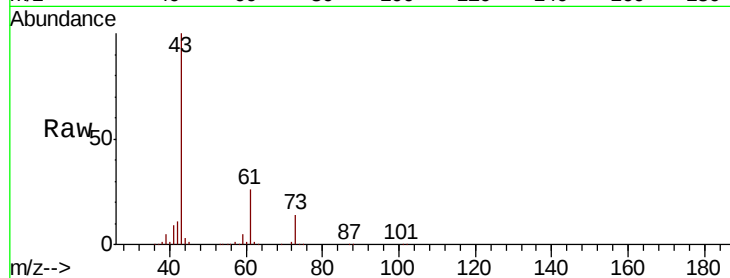
Delta R.T. 0.07 min

Lab File: VN054845.D

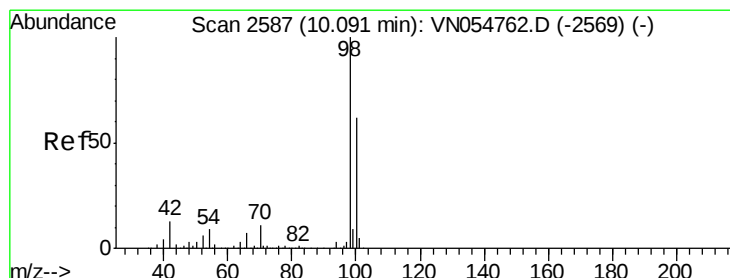
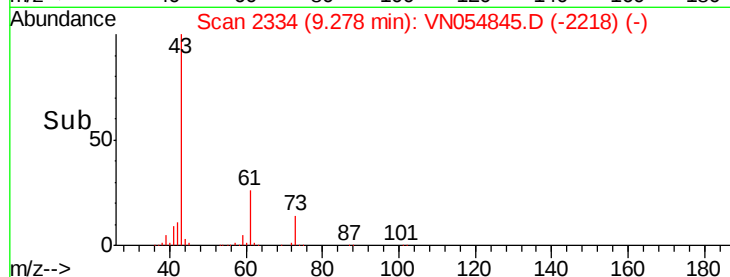
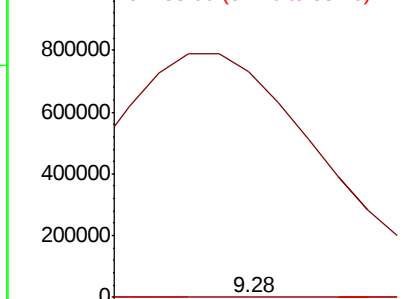
Acq: 31 Mar 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 2513450.0 24.1 36.1#
58 10255.0 50.8 76.2#



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



#50

Toluene-d8

Concen: 48.710 ug/l

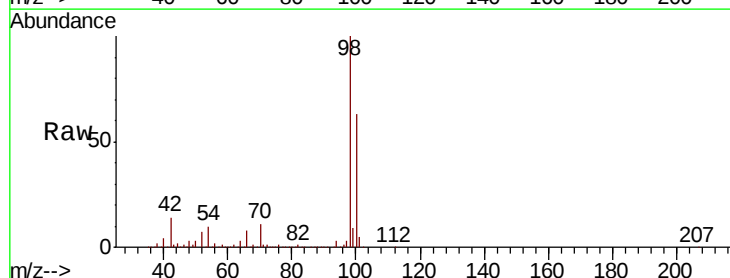
RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

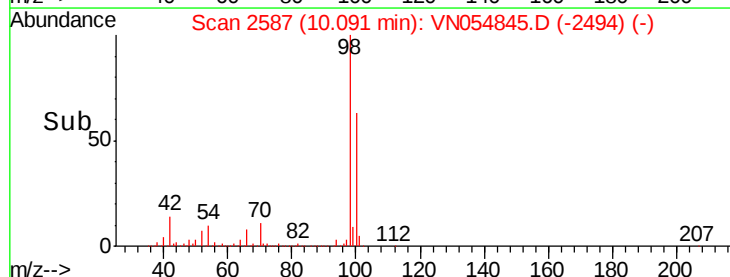
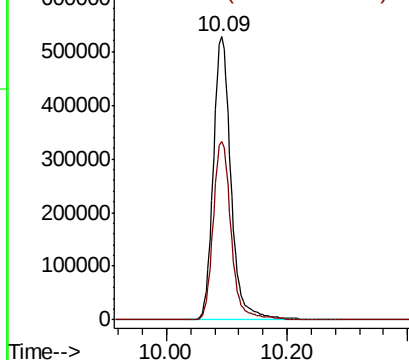
Lab File: VN054845.D

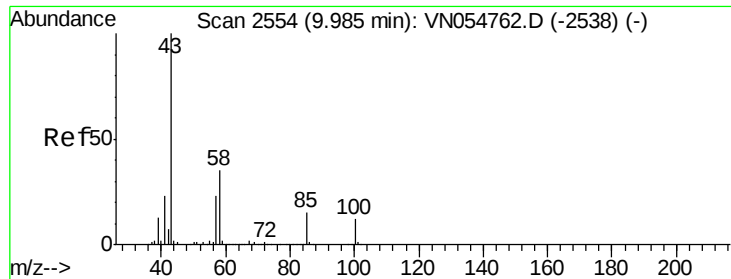
Acq: 31 Mar 2019 12:53

Tgt Ion: 98 Resp: 1054738
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



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: 0.870 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

Instrument :

MSVOA_N

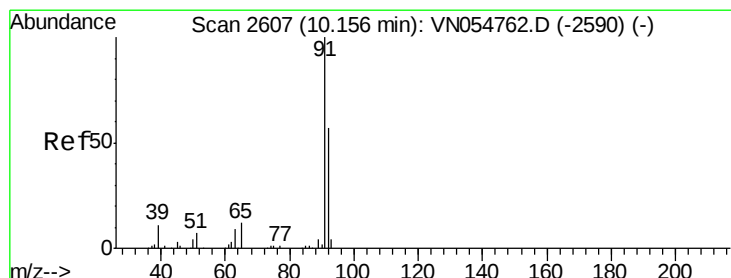
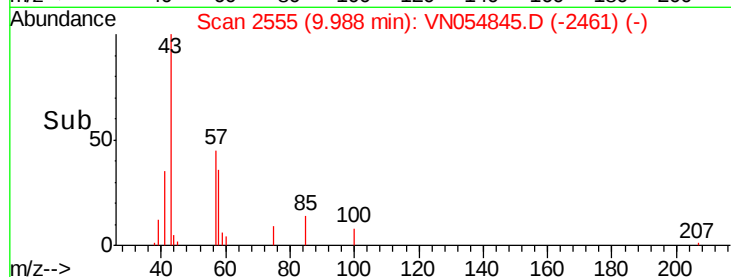
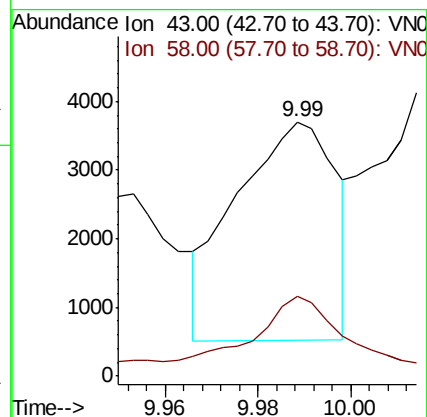
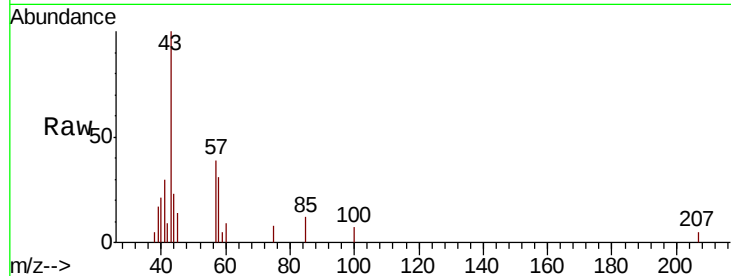
ClientSampleId :

Tot Ion: 43 Resp: 4742

Ion Ratio Lower Upper

43 100

58 38.8 31.8 47.6



#52

Toluene

Concen: 0.232 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054845.D

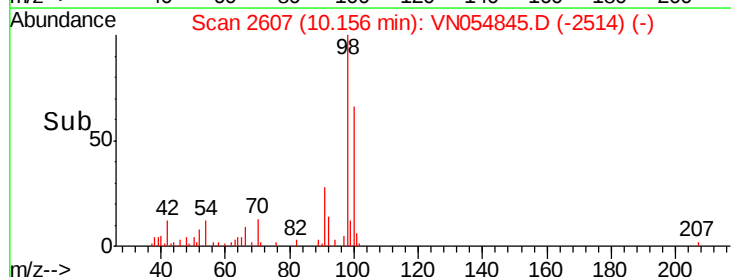
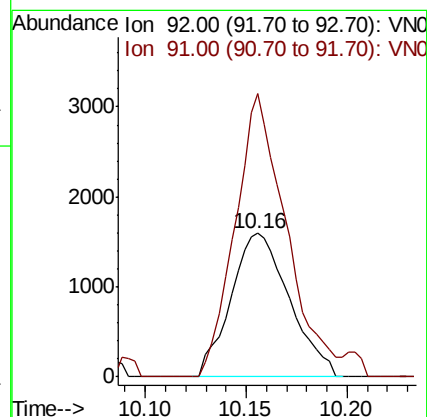
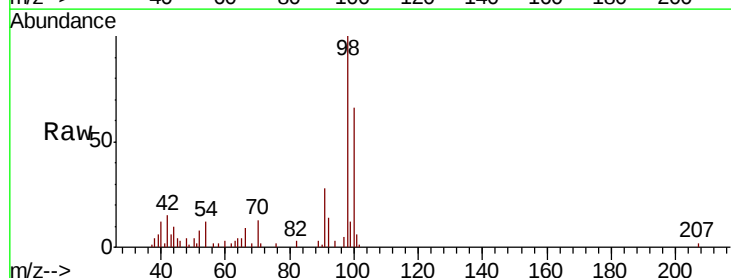
Acq: 31 Mar 2019 12:53

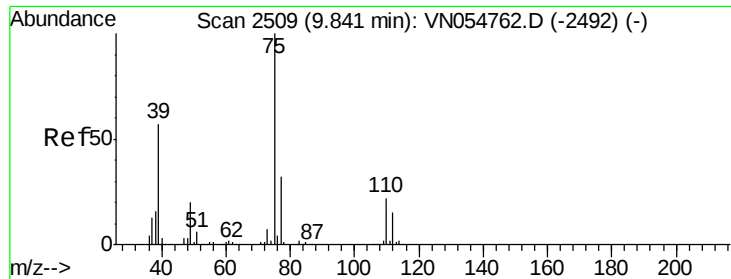
Tgt Ion: 92 Resp: 3216

Ion Ratio Lower Upper

92 100

91 172.3 140.7 211.1



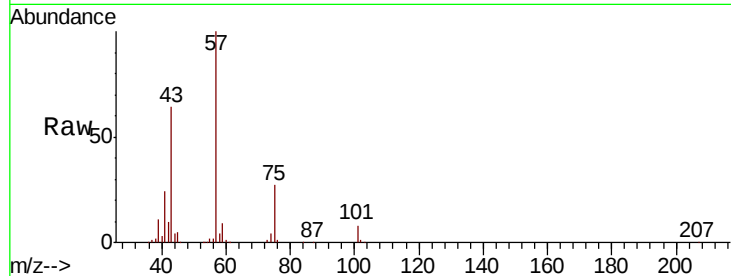


#54

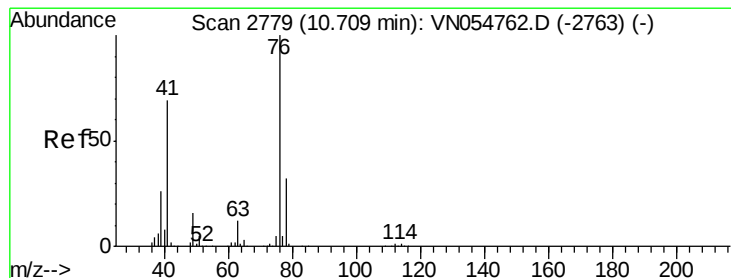
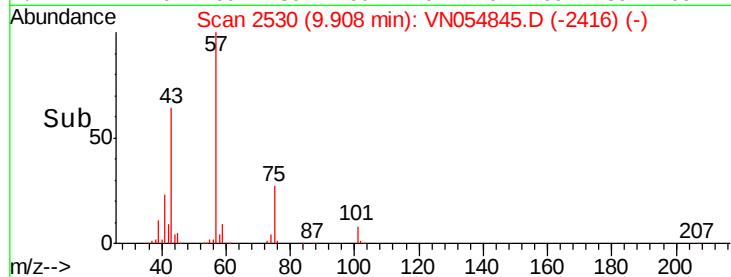
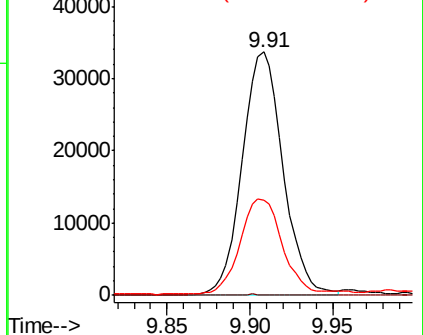
cis-1,3-Dichloropropene
 Concen: 6.623 ug/l
 RT: 9.91 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN054845.D
 Acq: 31 Mar 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.4	38.0#
39	38.5	37.2	55.8



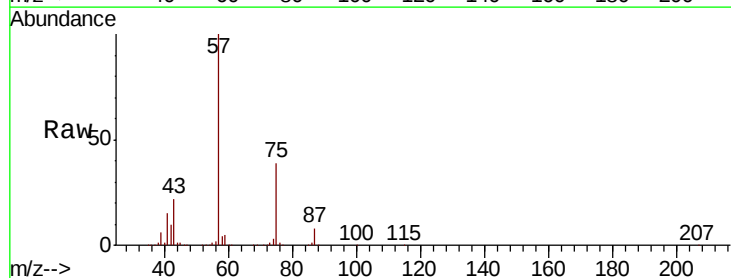
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



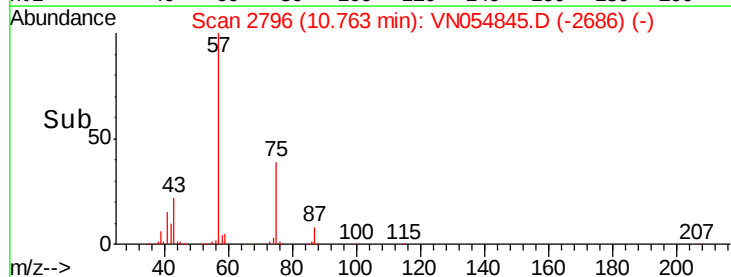
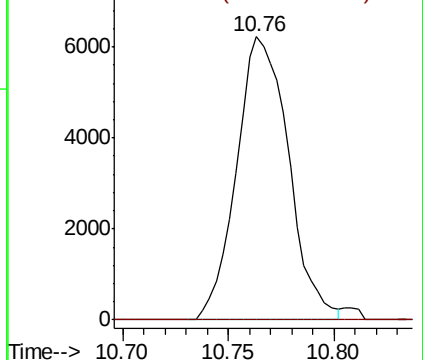
#57

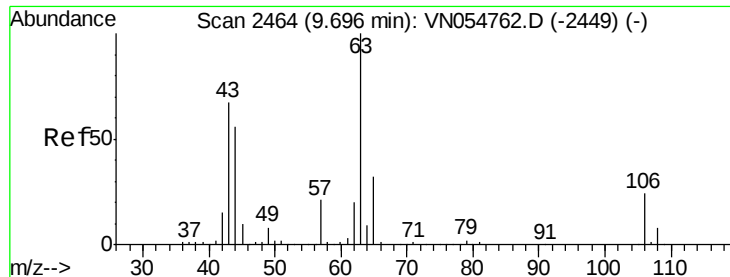
1,3-Dichloropropane
 Concen: 1.206 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN054845.D
 Acq: 31 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.7	38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

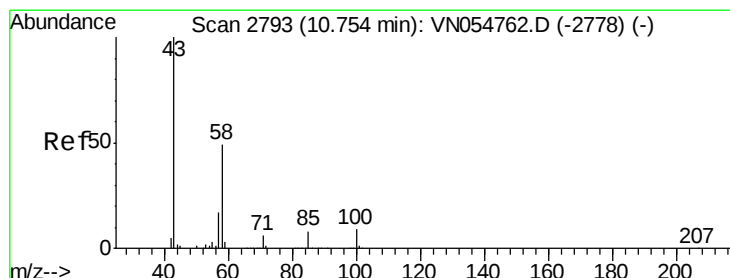
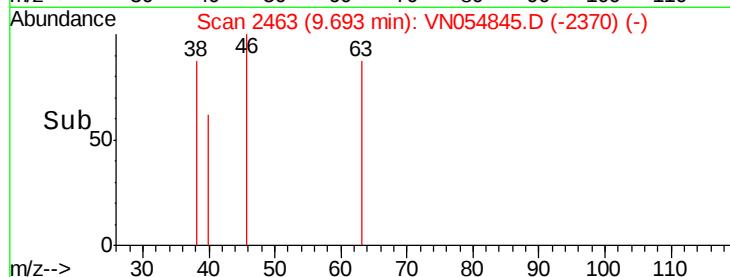
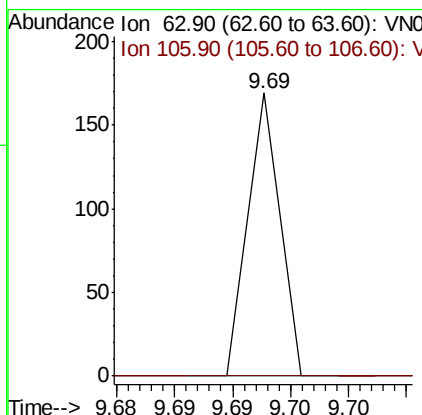
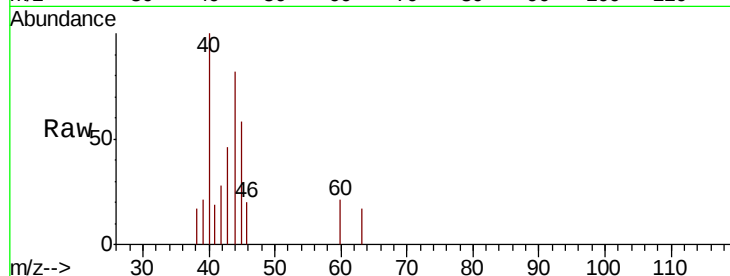




#58
2-Chloroethyl Vinyl ether
Concen: 10.365 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN054845.D
Acq: 31 Mar 2019 12:53

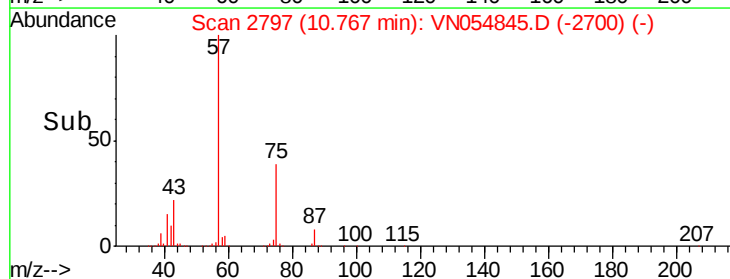
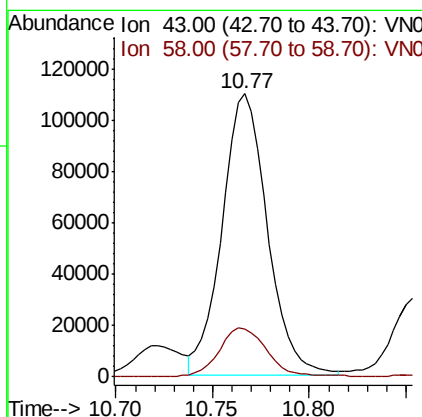
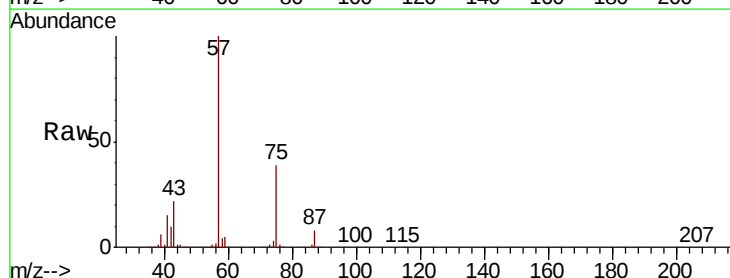
Instrument :
MSVOA_N
ClientSampleId :

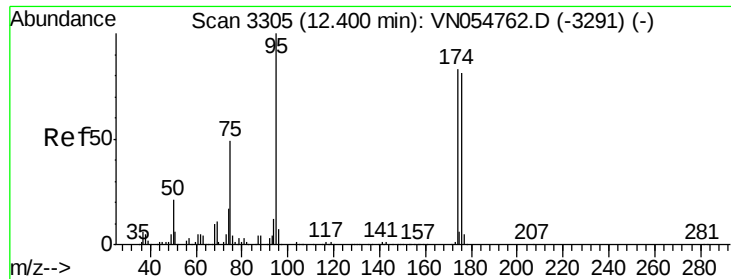
Tot Ion: 63 Resp: 33
Ion Ratio Lower Upper
63 100
106 0.0 24.4 36.6#



#59
2-Hexanone
Concen: 51.394 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN054845.D
Acq: 31 Mar 2019 12:53

Tgt Ion: 43 Resp: 179418
Ion Ratio Lower Upper
43 100
58 18.7 28.0 83.9#





#62

4-Bromofluorobenzene

Concen: 45.106 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampled :

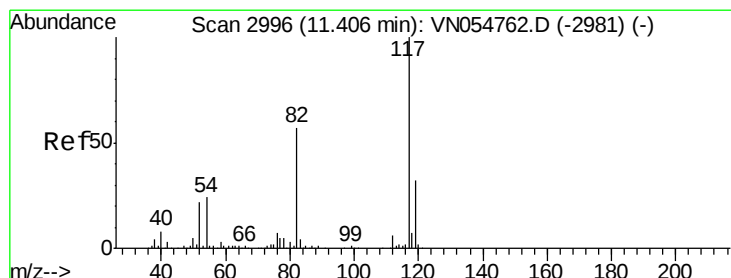
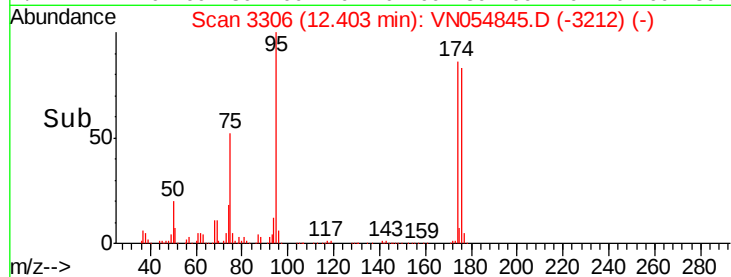
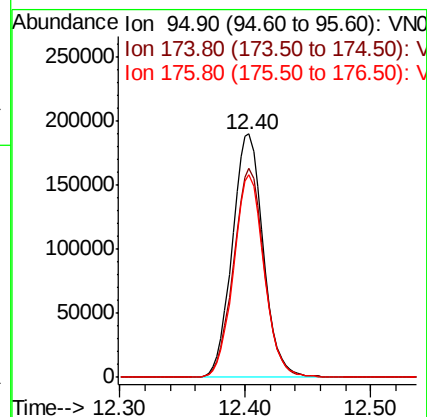
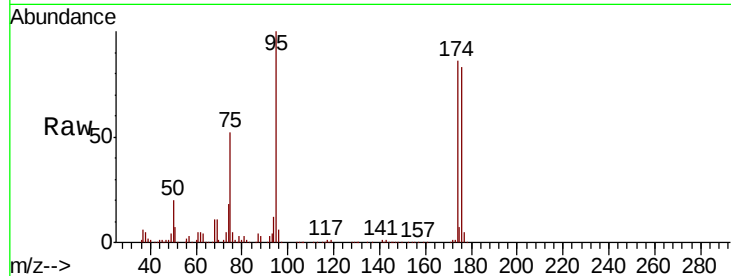
Tot Ion: 95 Resp: 324830

Ion Ratio Lower Upper

95 100

174 85.1 0.0 191.0

176 82.2 0.0 187.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

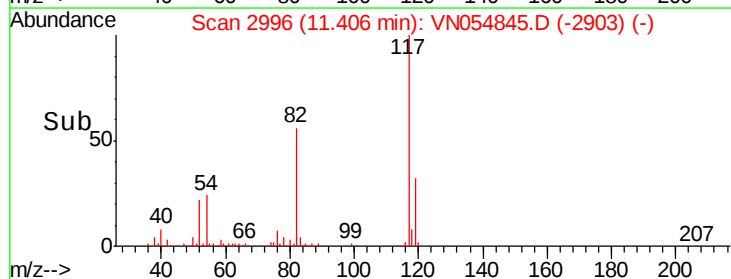
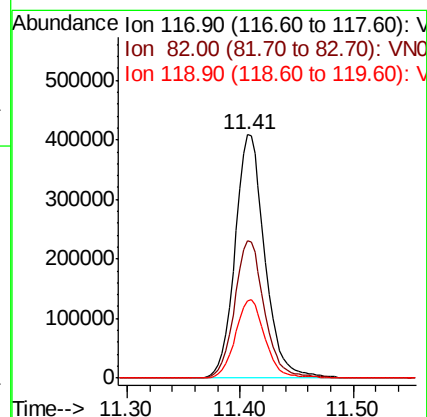
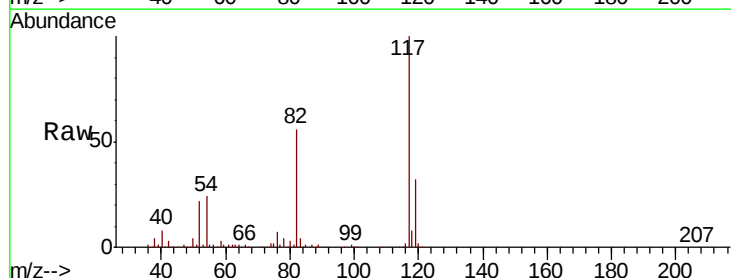
Tgt Ion: 117 Resp: 749106

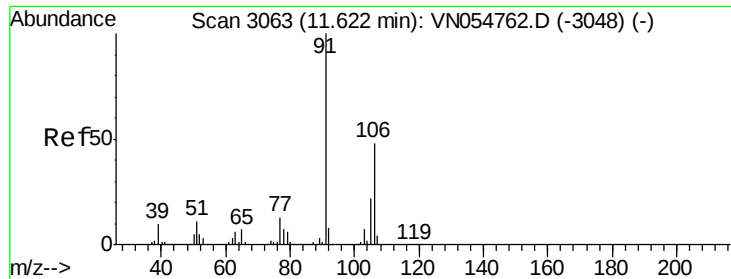
Ion Ratio Lower Upper

117 100

82 56.3 40.0 60.0

119 32.0 25.8 38.6

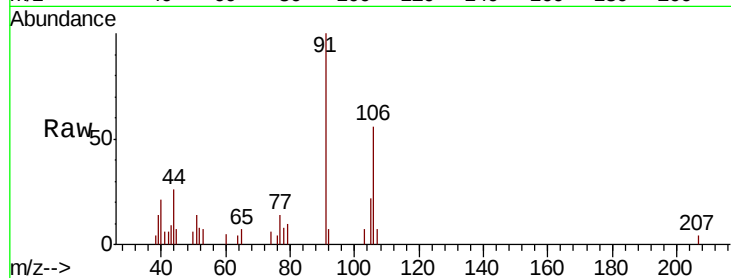




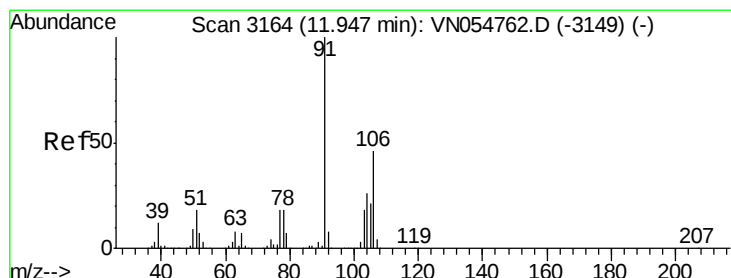
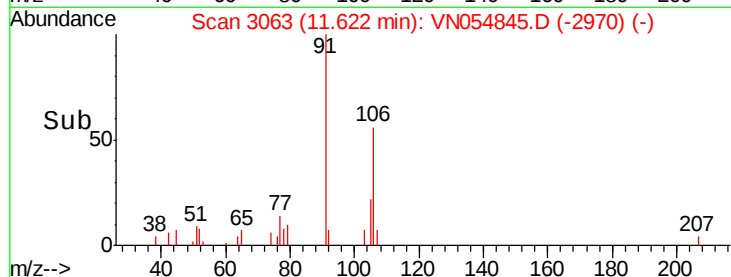
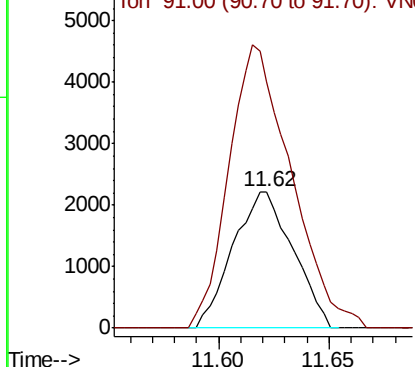
#68
m/p-Xvlenes
Concen: 0.428 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054845.D
Acq: 31 Mar 2019 12:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 4194
Ion Ratio Lower Upper
106 100
91 215.5 159.4 239.2

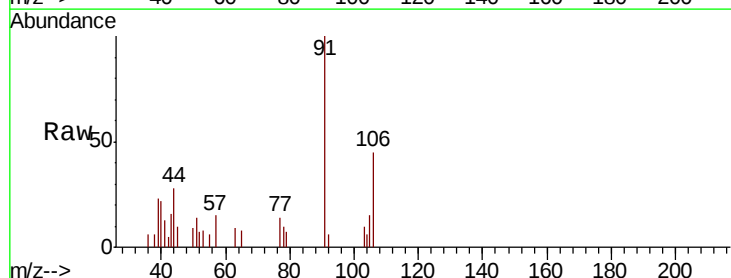


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

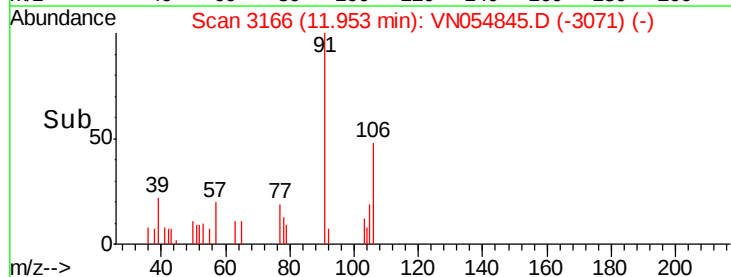
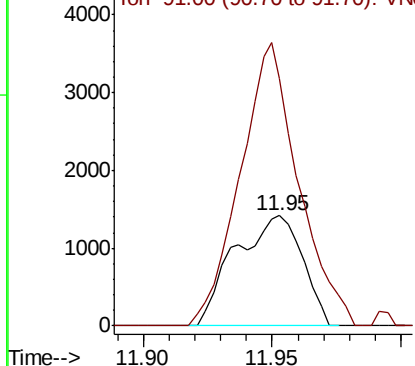


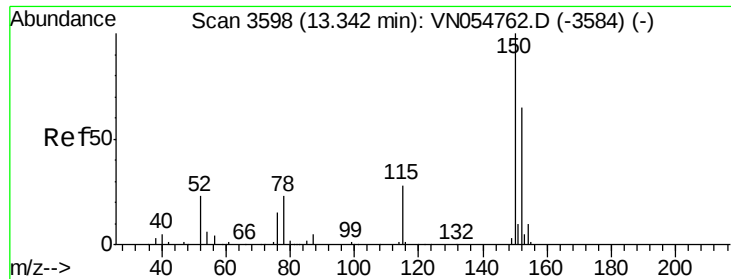
#69
o-Xylene
Concen: 0.270 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. 0.01 min
Lab File: VN054845.D
Acq: 31 Mar 2019 12:53

Tgt Ion:106 Resp: 2596
Ion Ratio Lower Upper
106 100
91 221.2 105.7 317.1



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



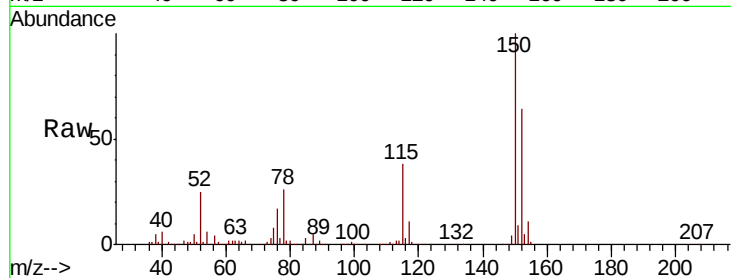


#72

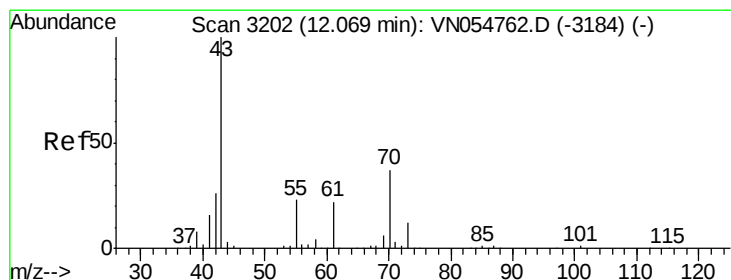
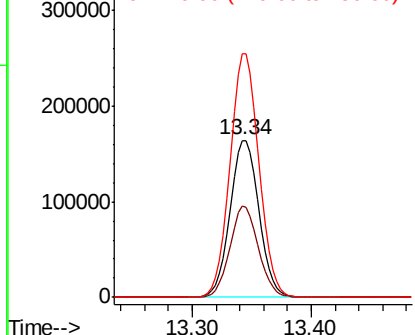
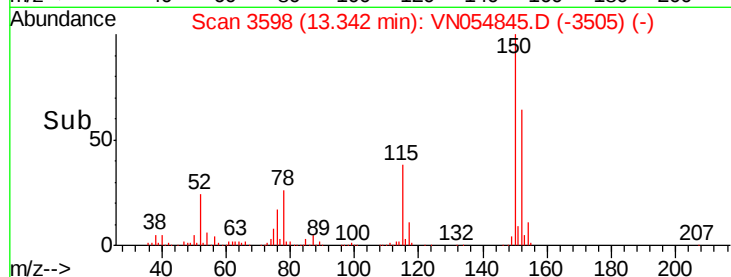
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054845.D
Acq: 31 Mar 2019 12:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.2	27.2	81.6
150	155.1	0.0	349.2



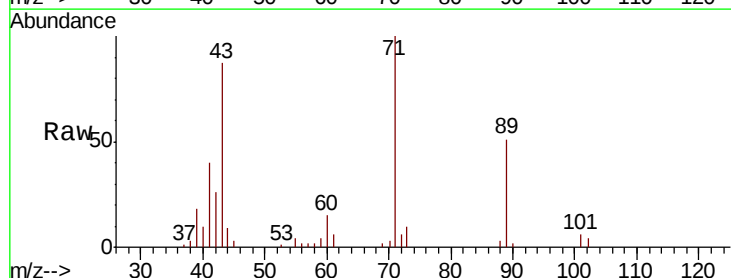
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



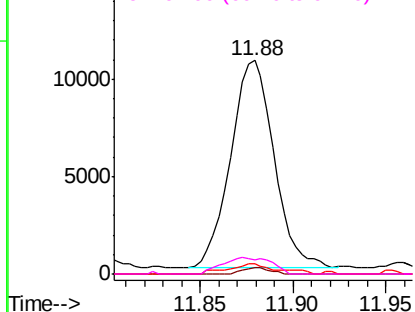
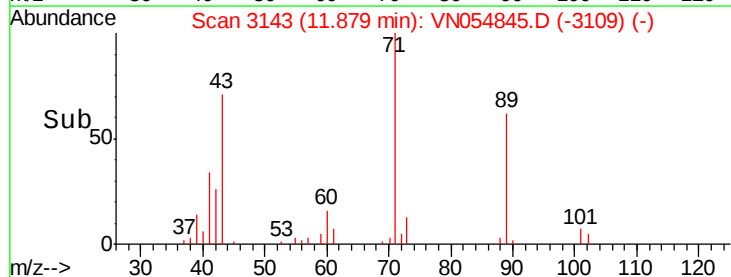
#74

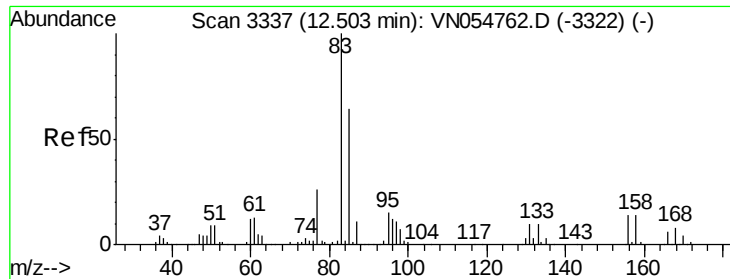
N-ethyl acetate
Concen: 2.476 ug/l
RT: 11.88 min Scan# 3143
Delta R.T. -0.19 min
Lab File: VN054845.D
Acq: 31 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
43	100		
70	2.0	35.4	53.0#
55	4.4	19.8	29.6#
61	8.8	19.8	29.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 70.00 (69.70 to 70.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.53 min Scan# 3345

Delta R.T. 0.03 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

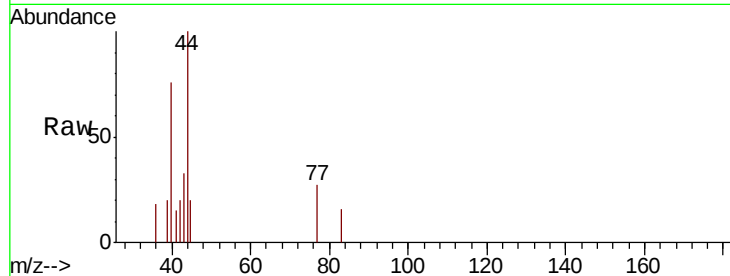
Tot Ion: 83 Resp: 30

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

85 0.0 32.2 96.6#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.53

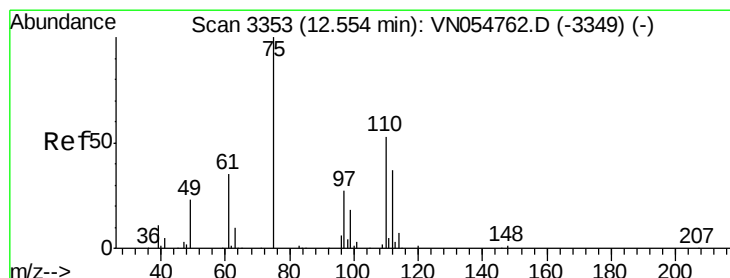
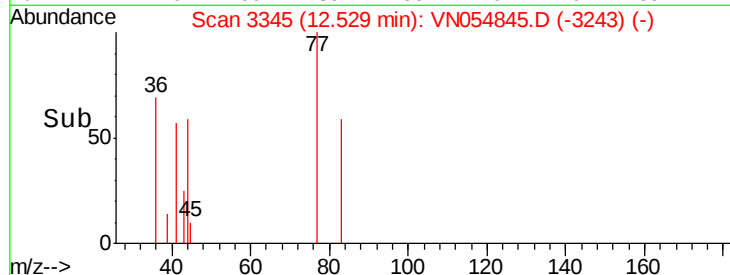
150

100

50

0

Time--> 12.52 12.53



#76

1,2,3-Trichloropropane

Concen: 35.197 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054845.D

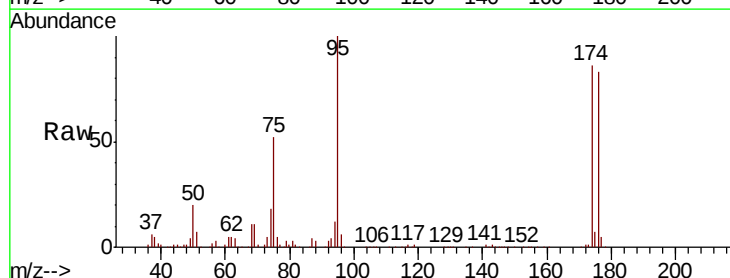
Acq: 31 Mar 2019 12:53

Tgt Ion: 75 Resp: 169040

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

100000

80000

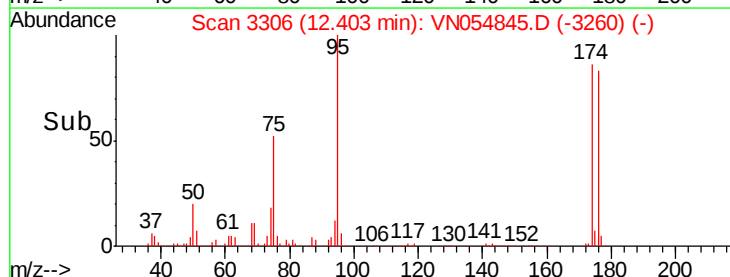
60000

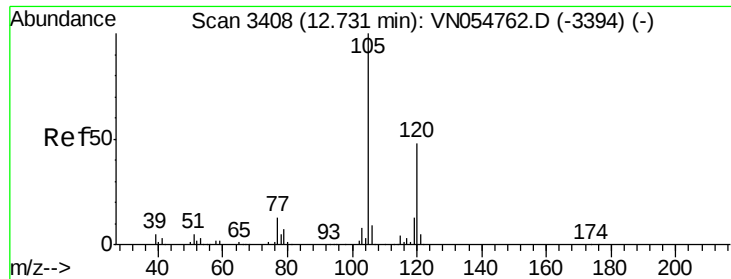
40000

20000

0

Time--> 12.30 12.40 12.50





#80

1,3,5-Trimethylbenzene

Concen: 0.257 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

Instrument :

MSVOA_N

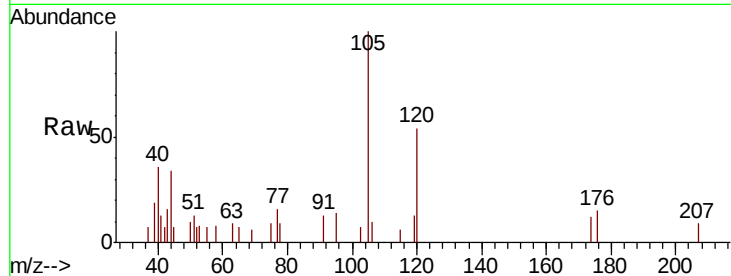
ClientSampled :

Tot Ion:105 Resp: 4771

Ion Ratio Lower Upper

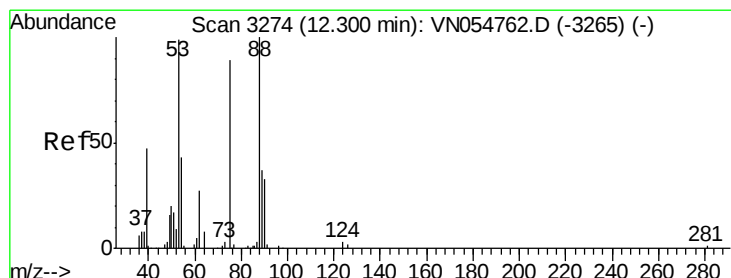
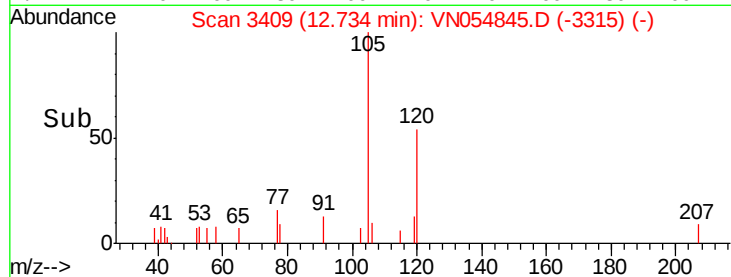
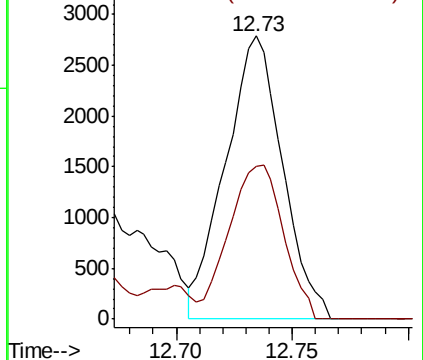
105 100

120 52.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 136.907 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

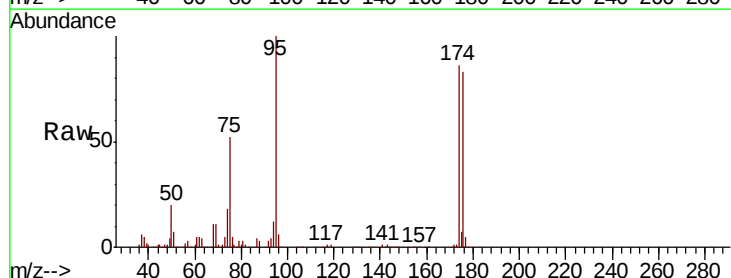
Tgt Ion: 75 Resp: 169040

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

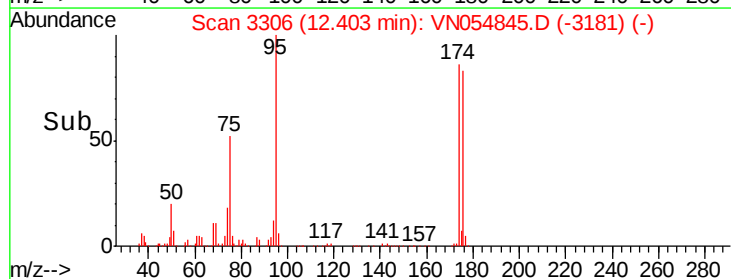
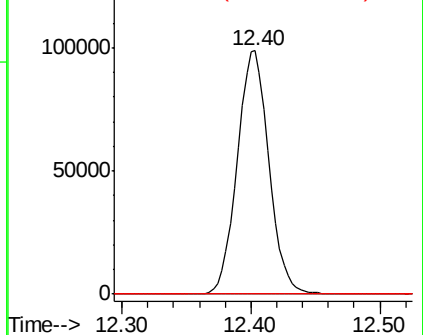
89 0.0 39.2 58.8#

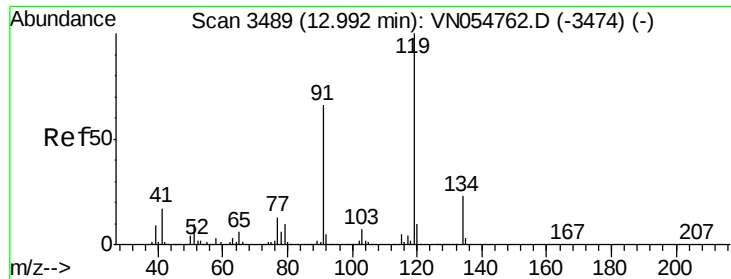


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

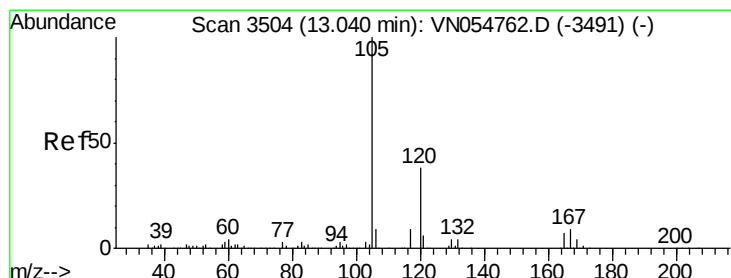
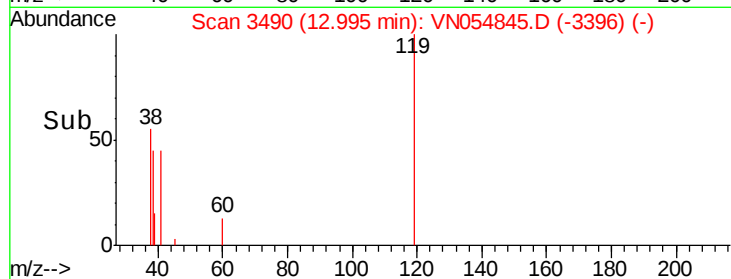
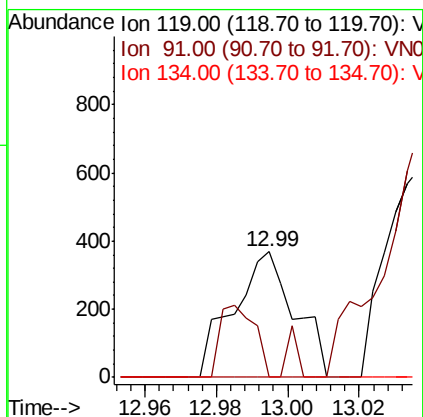
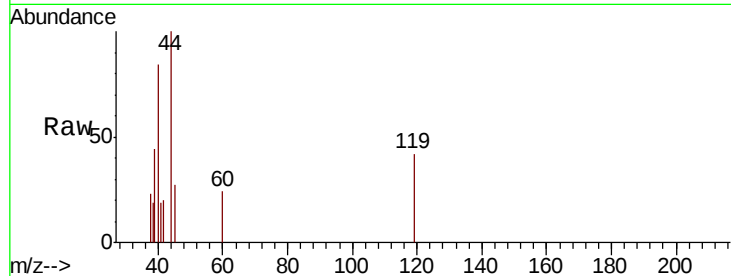




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054845.D
 Acq: 31 Mar 2019 12:53

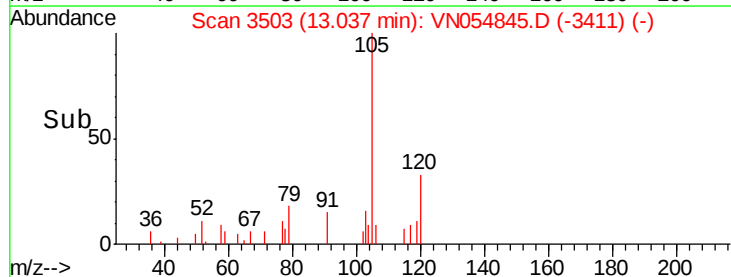
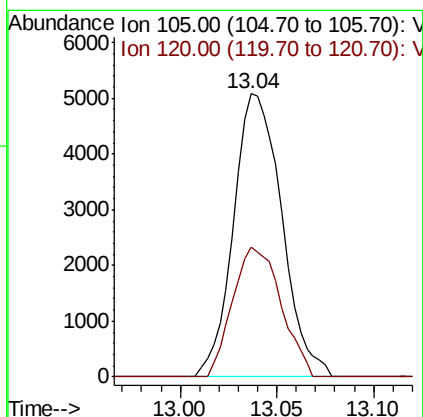
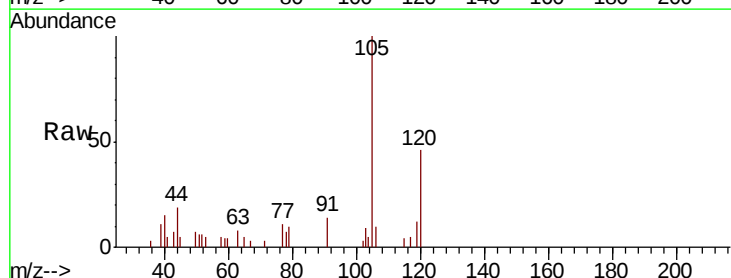
Instrument :
 MSVOA_N
 ClientSampled :

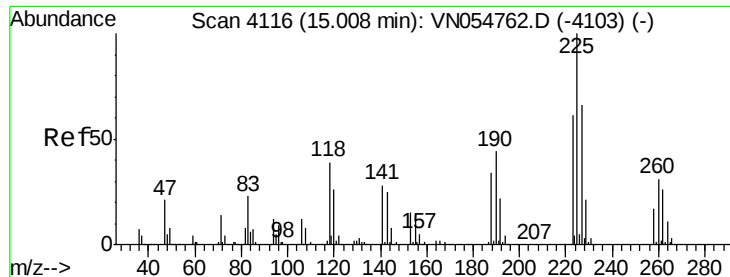
Tot Ion:119 Resp: 440
 Ion Ratio Lower Upper
 119 100
 91 32.3 30.9 92.8
 134 0.0 13.2 39.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.499 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN054845.D
 Acq: 31 Mar 2019 12:53

Tgt Ion:105 Resp: 8813
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.4 70.3





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

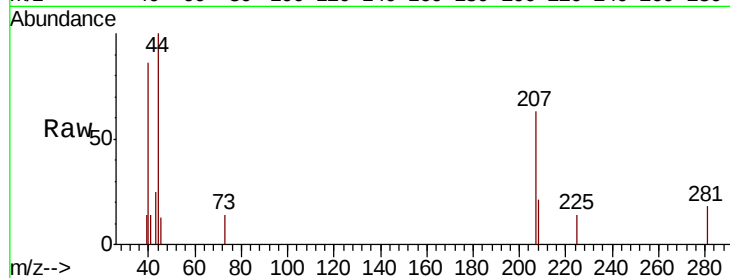
Tot Ion:225 Resp: 90

Ion Ratio Lower Upper

225 100

223 0.0 31.1 93.5#

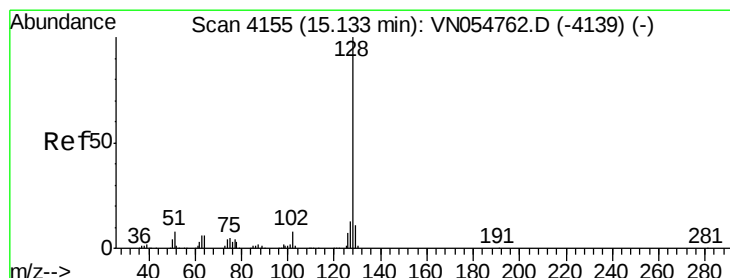
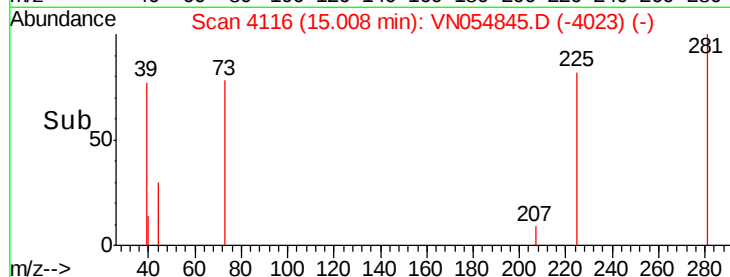
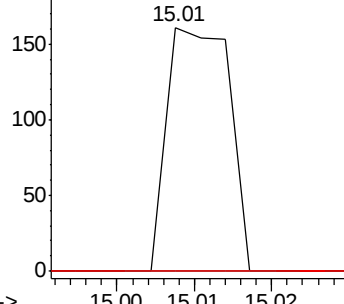
227 0.0 31.9 95.9#



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: 2.248 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

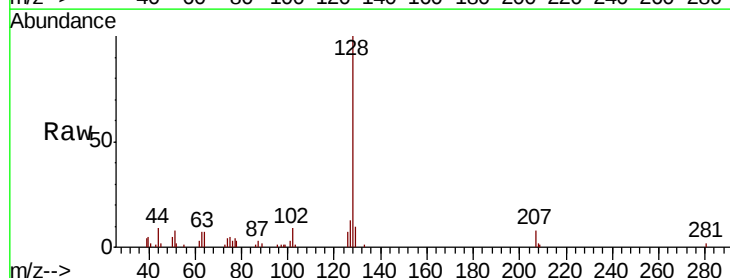
Tgt Ion:128 Resp: 22397

Ion Ratio Lower Upper

128 100

127 13.7 10.1 15.1

129 9.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

