

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090219\
 Data File : VN057651.D
 Acq On : 1 Sep 2019 18:09
 Operator : JC/SP
 Sample : K4517-03
 Misc : 6.68g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T2-S-A2-(0)

Quant Time: Sep 02 01:56:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	175682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	301389	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	254317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	113489	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	215689	54.35	ug/l	0.00
Spiked Amount			Recovery	=	108.70%	
35) Dibromofluoromethane	7.58	113	127213	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
50) Toluene-d8	10.08	98	505744	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.40	95	160105	41.67	ug/l	0.00
Spiked Amount			Recovery	=	83.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	651	0.201	ug/l #	75
5) Bromomethane	2.52	94	1161	0.723	ug/l #	31
6) Chloroethane	2.60	64	590	0.416	ug/l #	1
10) Methyl Iodide	3.91	142	555	0.238	ug/l #	85
13) Acrolein	3.59	56	290	1.752	ug/l #	46
16) Acetone	3.81	43	634	0.570	ug/l #	50
18) Methyl Acetate	4.31	43	12133	3.177	ug/l #	72
20) Methylene Chloride	4.52	84	765	0.278	ug/l #	77
25) 2-Butanone	6.84	43	1309	0.706	ug/l #	53
29) Tetrahydrofuran	7.22	42	527	0.453	ug/l #	39
31) Cyclohexane	7.65	56	6229	1.185	ug/l #	33
36) 1,1-Dichloropropene	7.65	75	17349	4.342	ug/l #	52
38) Carbon Tetrachloride	7.65	117	19937	5.574	ug/l #	14
41) Methacrylonitrile	7.17	41	92	2.324	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	1014	0.258	ug/l #	72
53) t-1,3-Dichloropropene	10.25	75	981	3.422	ug/l #	45
54) cis-1,3-Dichloropropene	9.58	75	685	1.945	ug/l #	24
58) 2-Chloroethyl Vinyl ether	9.70	63	282	0.221	ug/l #	53
59) 2-Hexanone	10.76	43	1578	0.547	ug/l	86
60) Dibromochloromethane	10.63	129	952	3.854	ug/l #	11
64) Tetrachloroethene	10.62	164	927	0.421	ug/l #	78
68) m/p-Xylenes	11.62	106	1639	0.376	ug/l	90
69) o-Xylene	11.95	106	1058	0.250	ug/l	87
70) Styrene	11.97	104	1044	2.713	ug/l #	60
71) Bromoform	12.40	173	1095	6.800	ug/l #	1
74) N-amyl acetate	12.08	43	1593	0.295	ug/l #	82
76) 1,2,3-Trichloropropane	12.40	75	94872	31.780	ug/l #	100
77) Bromobenzene	12.53	156	764	0.313	ug/l	73
78) n-propylbenzene	12.60	91	3454	0.271	ug/l	79
79) 2-Chlorotoluene	12.68	91	1775	0.223	ug/l	88
80) 1,3,5-Trimethylbenzene	12.74	105	2252	0.239	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	94872	108.936	ug/l #	1
82) 4-Chlorotoluene	12.78	91	3441	0.437	ug/l	77
84) 1,2,4-Trimethylbenzene	13.05	105	2724	0.299	ug/l	97

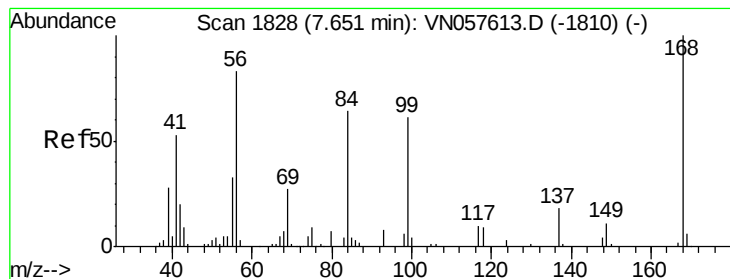
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.17	105	3089	0.287	ug/l	91
86) p-Isopropyltoluene	13.29	119	2882	0.324	ug/l	93
87) 1,3-Dichlorobenzene	13.28	146	2934	0.738	ug/l	93
88) 1,4-Dichlorobenzene	13.37	146	3716	0.968	ug/l	82
89) n-Butylbenzene	13.62	91	4096	0.491	ug/l	92
91) 1,2-Dichlorobenzene	13.66	146	3379	0.891	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	3699	10.171	ug/l	95
94) Hexachlorobutadiene	15.01	225	1975	1.518	ug/l	95
95) Naphthalene	15.13	128	5679	7.907	ug/l	95
96) 1,2,3-Trichlorobenzene	15.30	180	3292	9.453	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057651.D

Acq: 1 Sep 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

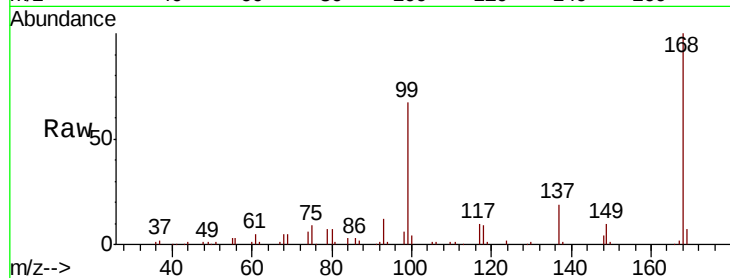
T2-S-A2-(0)

Tgt Ion:168 Resp: 175682

Ion Ratio Lower Upper

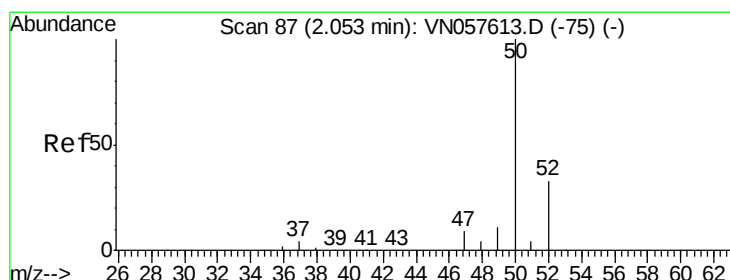
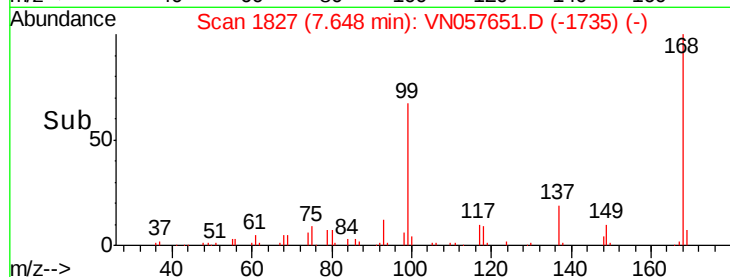
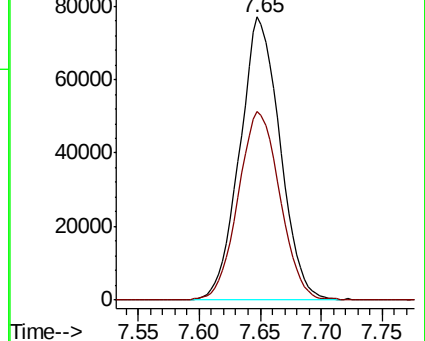
168 100

99 66.3 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.201 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057651.D

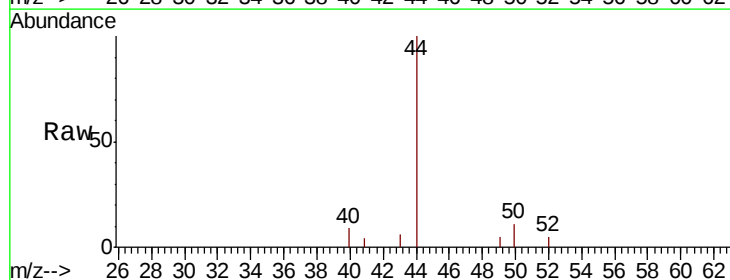
Acq: 1 Sep 2019 18:09

Tgt Ion: 50 Resp: 651

Ion Ratio Lower Upper

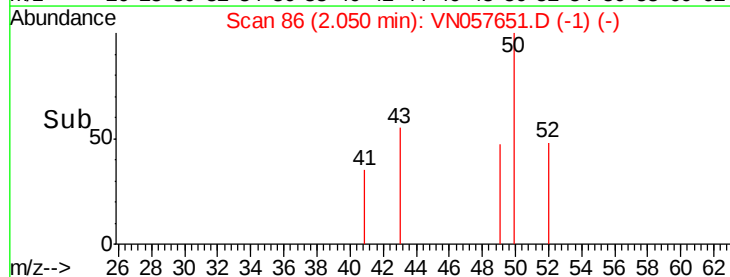
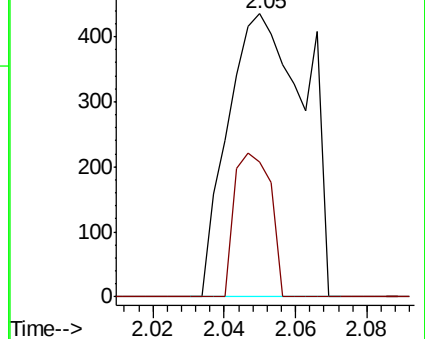
50 100

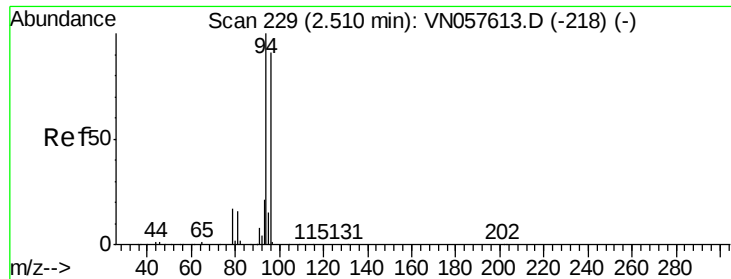
52 47.8 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#5

Bromomethane

Concen: 0.723 ug/l

RT: 2.52 min Scan# 231

Delta R.T. 0.01 min

Lab File: VN057651.D

Acq: 1 Sep 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

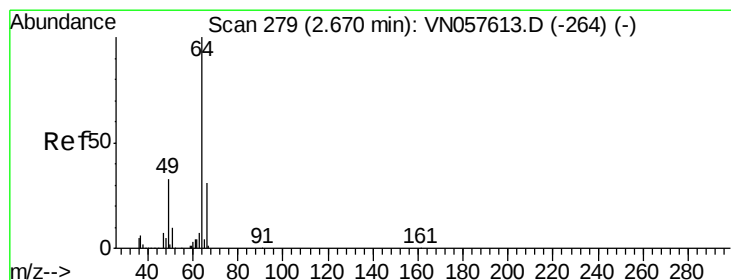
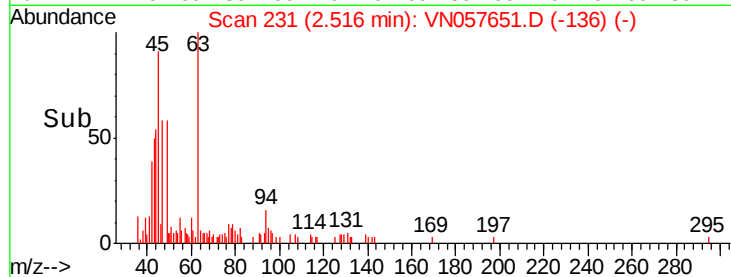
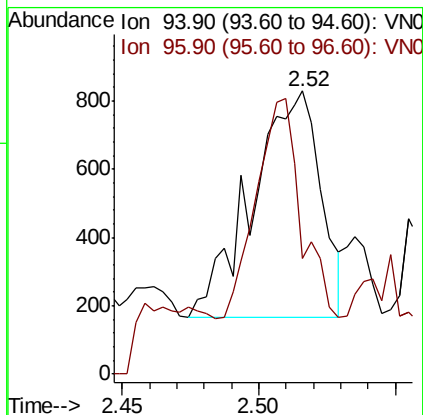
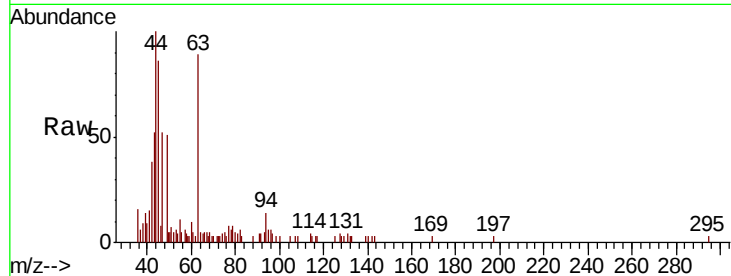
T2-S-A2-(0)

Tgt Ion: 94 Resp: 1161

Ion Ratio Lower Upper

94 100

96 25.9 72.9 109.3#



#6

Chloroethane

Concen: 0.416 ug/l

RT: 2.60 min Scan# 258

Delta R.T. -0.07 min

Lab File: VN057651.D

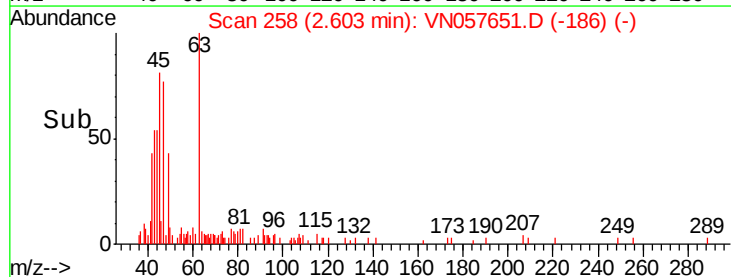
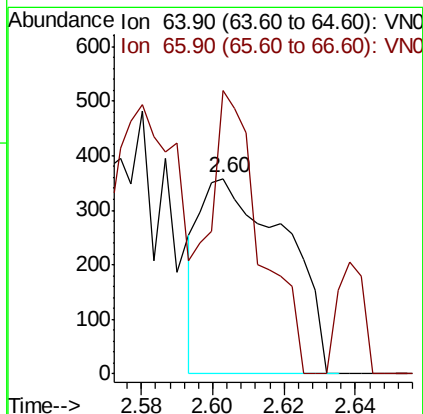
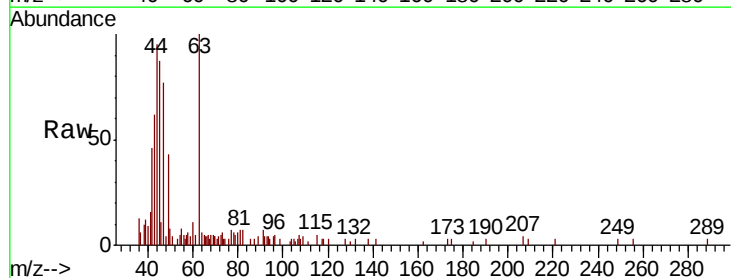
Acq: 1 Sep 2019 18:09

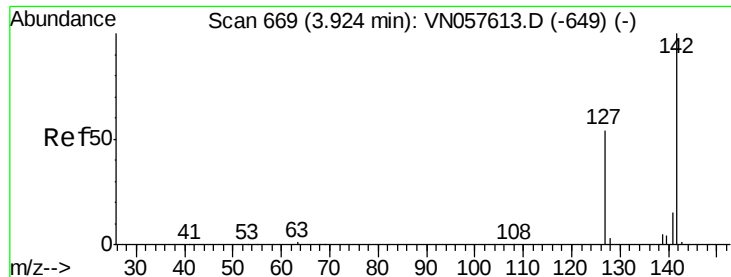
Tgt Ion: 64 Resp: 590

Ion Ratio Lower Upper

64 100

66 102.0 24.7 37.1#

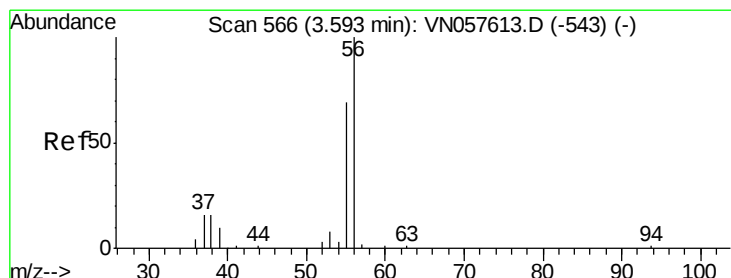
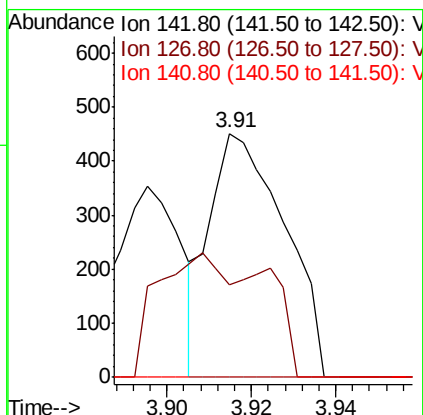
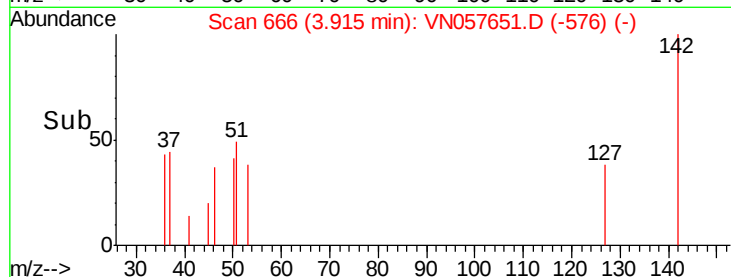
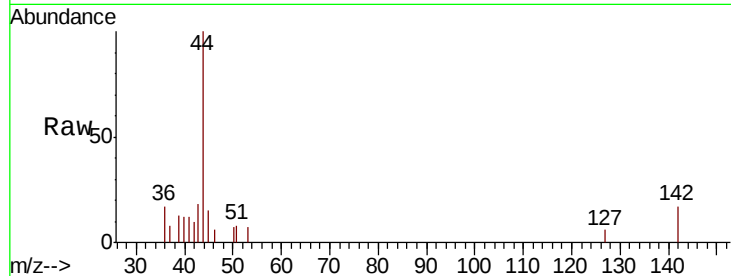




#10
Methyl Iodide
Concen: 0.238 ug/l
RT: 3.91 min Scan# 666
Delta R.T. -0.01 min
Lab File: VN057651.D
Acq: 1 Sep 2019 18:09

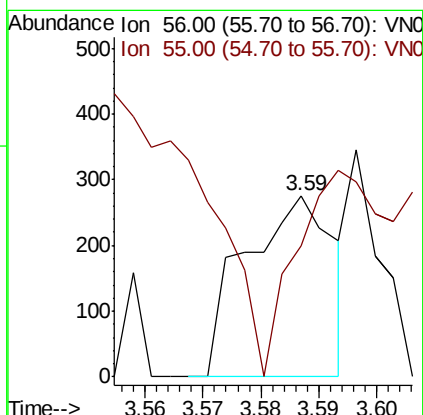
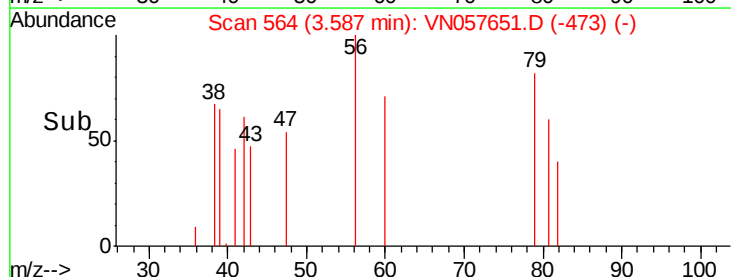
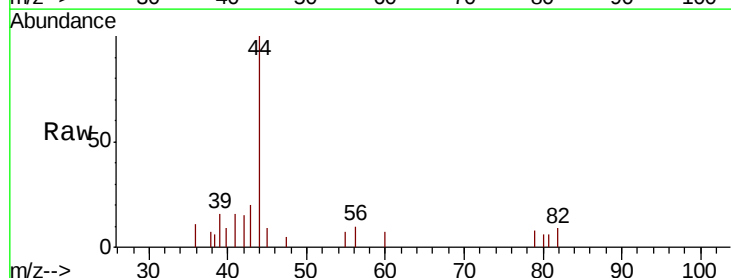
Instrument :
MSVOA_N
ClientSampled :
T2-S-A2-(0)

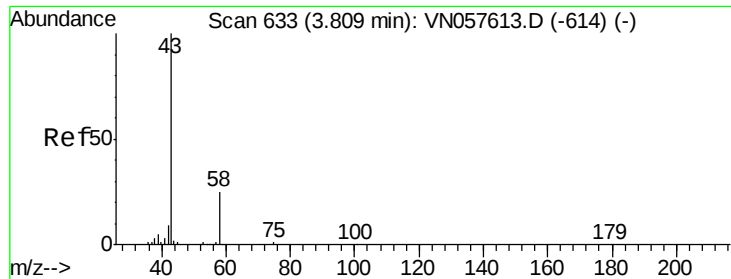
Tgt Ion:142 Resp: 555
Ion Ratio Lower Upper
142 100
127 46.8 43.0 64.6
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 1.752 ug/l
RT: 3.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VN057651.D
Acq: 1 Sep 2019 18:09

Tgt Ion: 56 Resp: 290
Ion Ratio Lower Upper
56 100
55 114.8 56.5 84.7#





#16

Acetone

Concen: 0.570 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN057651.D

Acq: 1 Sep 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

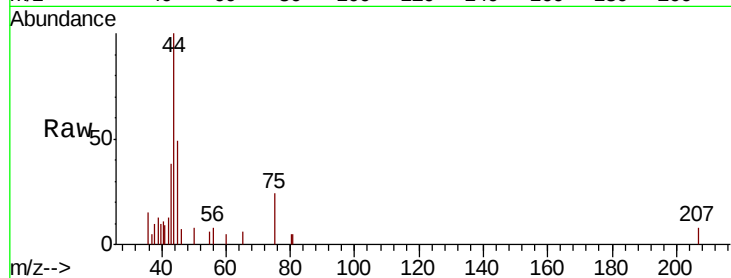
T2-S-A2-(0)

Tgt Ion: 43 Resp: 634

Ion Ratio Lower Upper

43 100

58 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.81

1200

1000

800

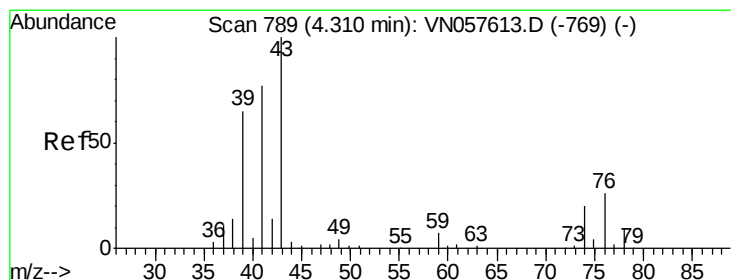
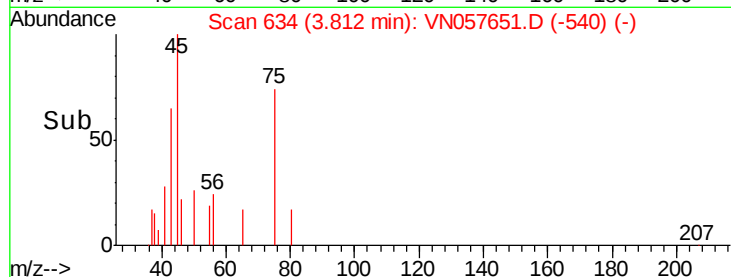
600

400

200

0

Time--> 3.78 3.80 3.82 3.84



#18

Methyl Acetate

Concen: 3.177 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN057651.D

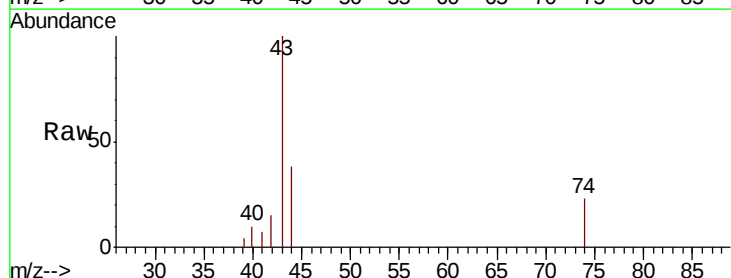
Acq: 1 Sep 2019 18:09

Tgt Ion: 43 Resp: 12133

Ion Ratio Lower Upper

43 100

74 6.7 15.7 23.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.31

4000

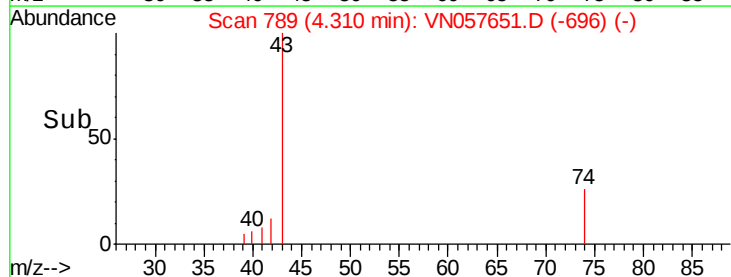
3000

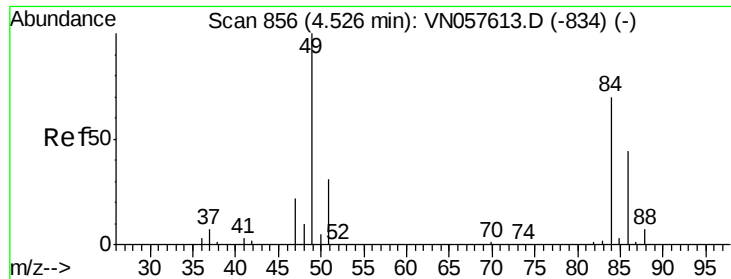
2000

1000

0

Time--> 4.20 4.25 4.30 4.35 4.40

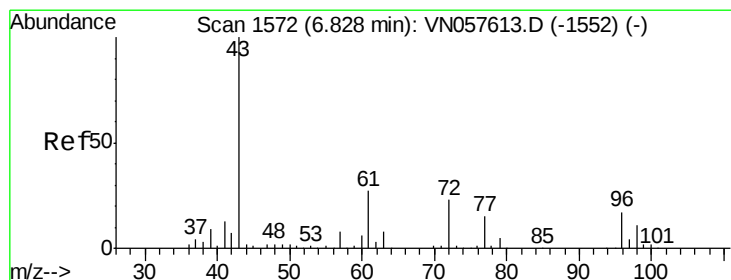
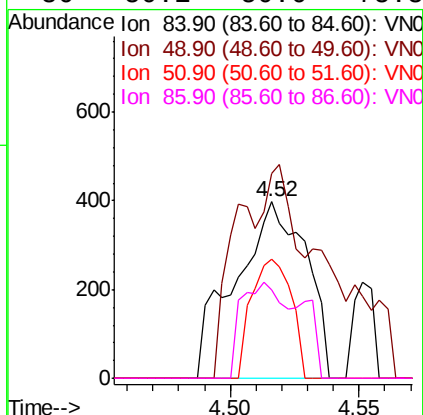
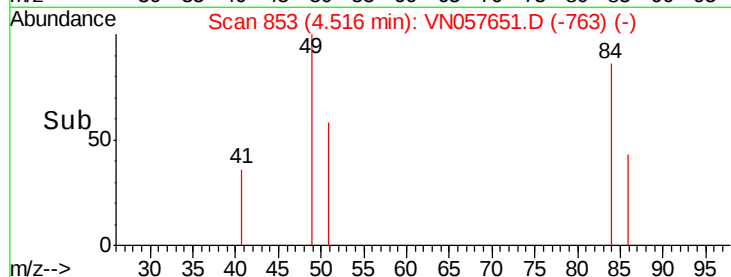
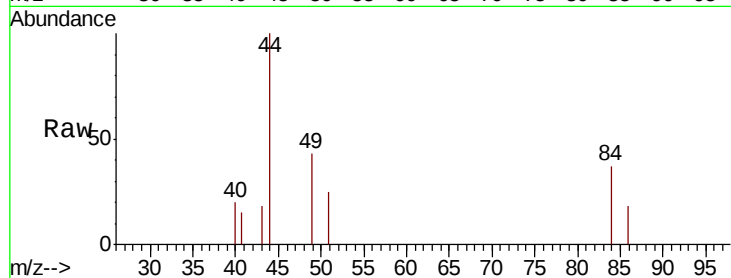




#20
Methylene Chloride
Concen: 0.278 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN057651.D
Acq: 1 Sep 2019 18:09

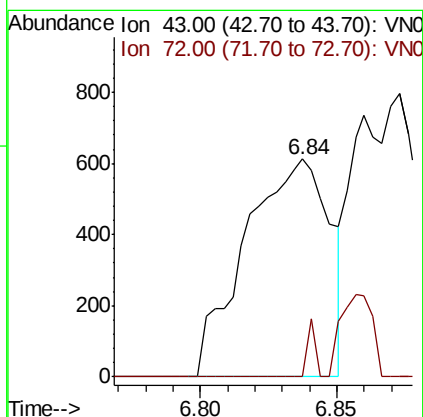
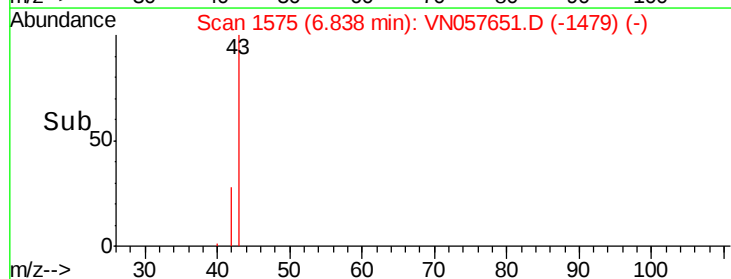
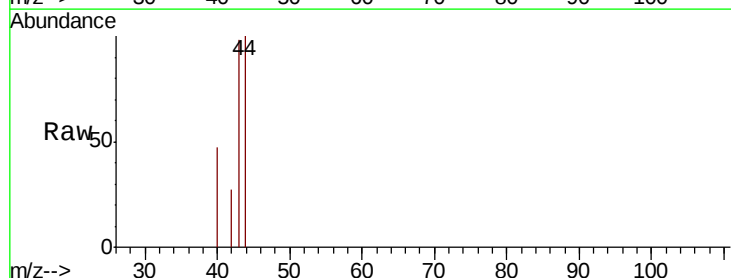
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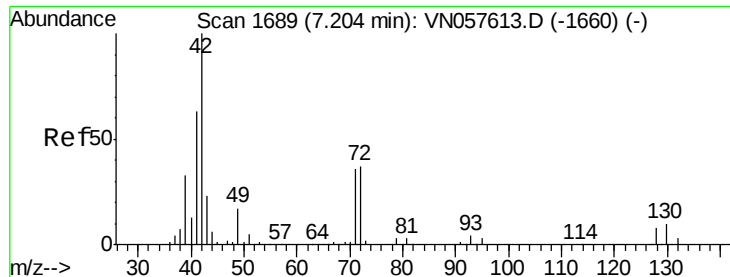
Tgt Ion: 84 Resp: 765
Ion Ratio Lower Upper
84 100
49 116.6 113.8 170.6
51 68.0 35.0 52.6#
86 50.1 50.6 75.8#



#25
2-Butanone
Concen: 0.706 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN057651.D
Acq: 1 Sep 2019 18:09

Tgt Ion: 43 Resp: 1309
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#





#29

Tetrahydrofuran

Concen: 0.453 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VN057651.D

Acq: 1 Sep 2019 18:09

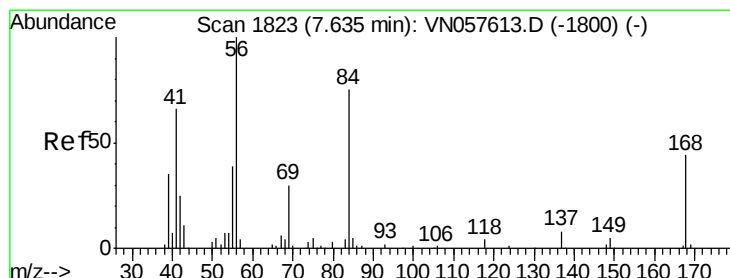
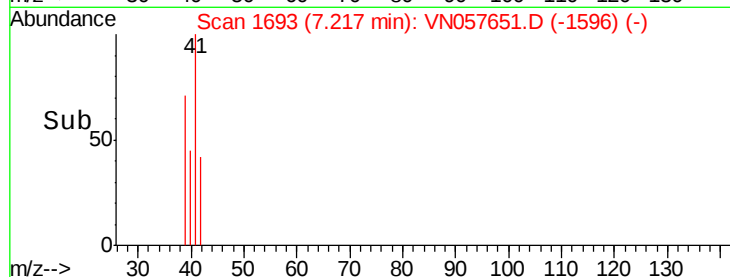
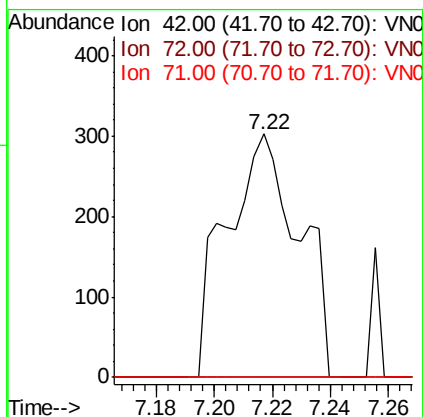
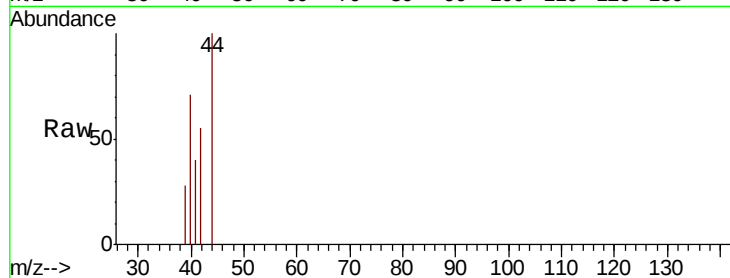
Instrument :

MSVOA_N

ClientSampleId :

T2-S-A2-(0)

Tgt Ion:	42	Resp:	527
Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.6	44.4#
71	0.0	27.9	41.9#



#31

Cyclohexane

Concen: 1.185 ug/l

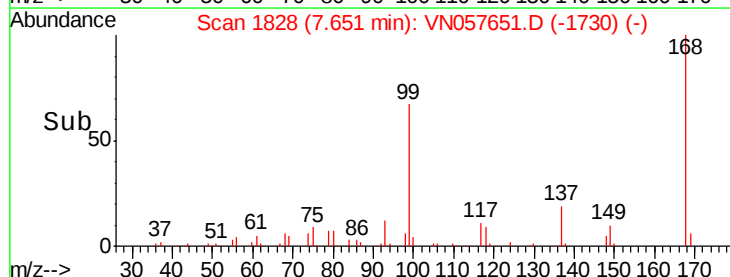
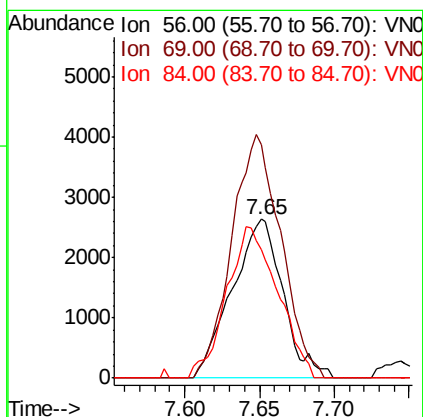
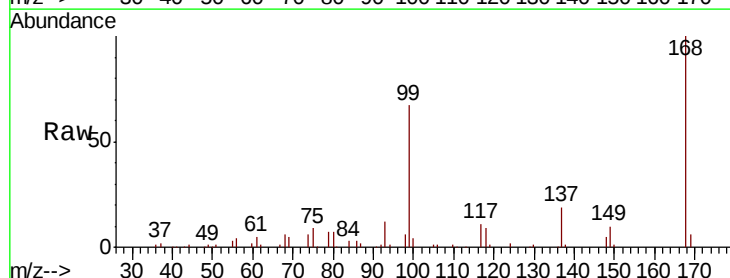
RT: 7.65 min Scan# 1828

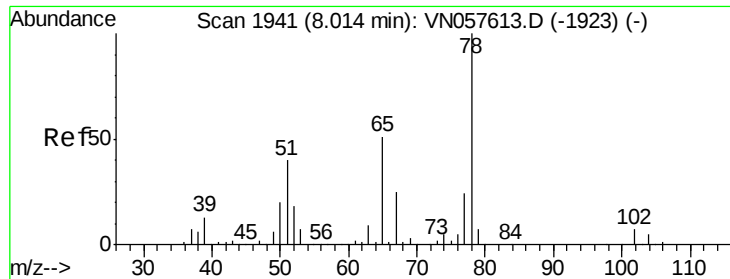
Delta R.T. 0.02 min

Lab File: VN057651.D

Acq: 1 Sep 2019 18:09

Tgt Ion:	56	Resp:	6229
Ion	Ratio	Lower	Upper
56	100		
69	146.9	24.4	36.6#
84	80.8	59.9	89.9





#33

1,2-Dichloroethane-d4

Concen: 54.349 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057651.D

Acq: 1 Sep 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

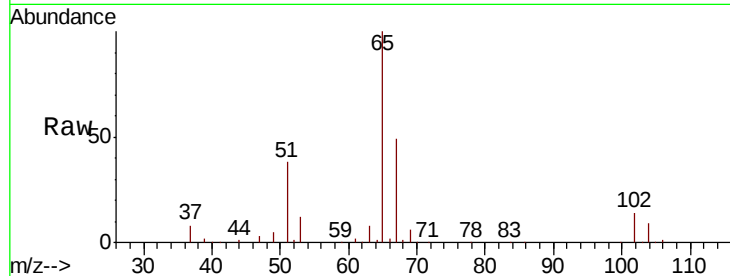
T2-S-A2-(0)

Tgt Ion: 65 Resp: 215689

Ion Ratio Lower Upper

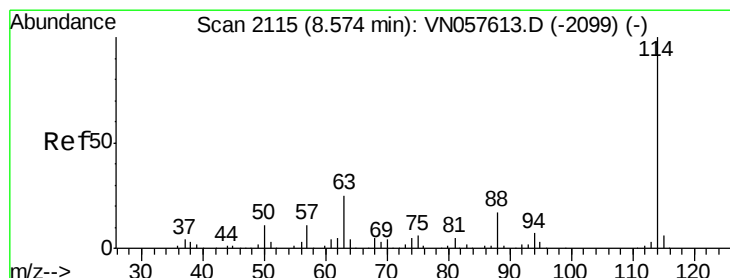
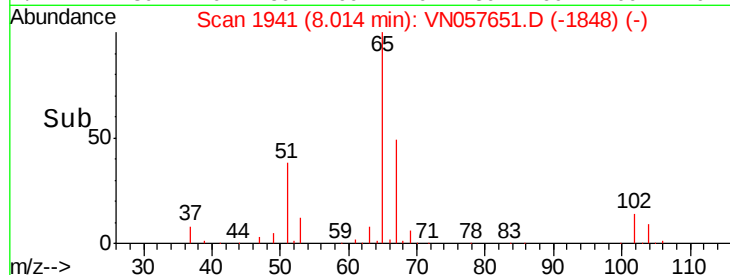
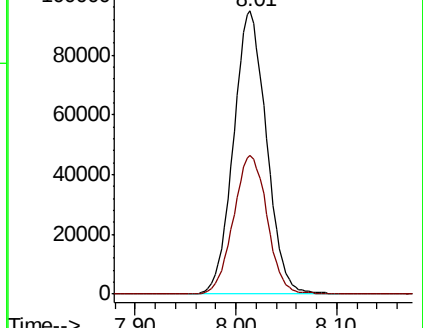
65 100

67 49.9 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VN057651.D (-1923) (-)

Ion 66.90 (66.60 to 67.60): VN057651.D (-1923) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN057651.D

Acq: 1 Sep 2019 18:09

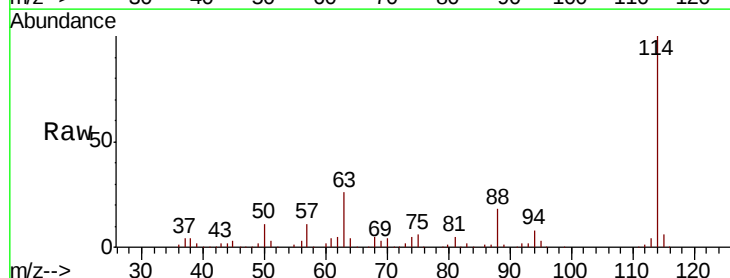
Tgt Ion: 114 Resp: 301389

Ion Ratio Lower Upper

114 100

63 26.2 0.0 49.0

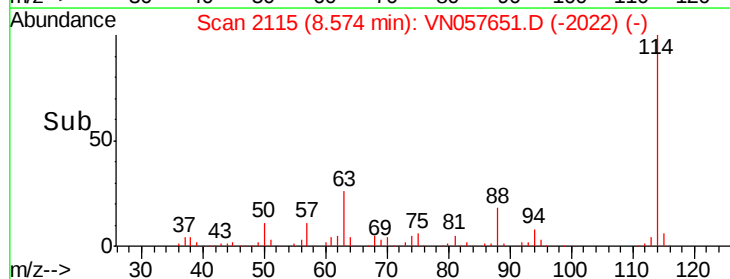
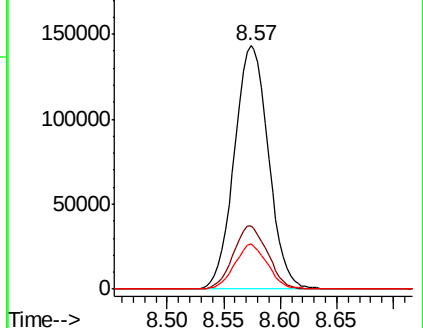
88 18.4 0.0 33.0

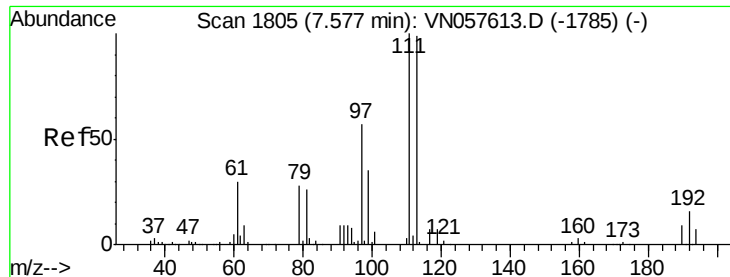


Abundance Ion 113.90 (113.60 to 114.60): VN057651.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN057651.D (-2099) (-)

Ion 87.90 (87.60 to 88.60): VN057651.D (-2099) (-)

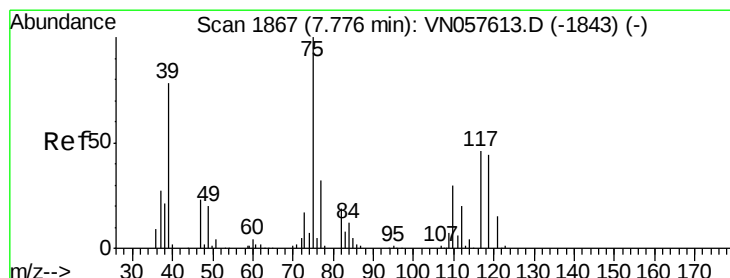
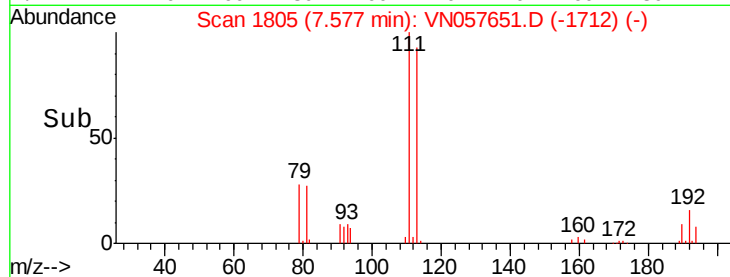
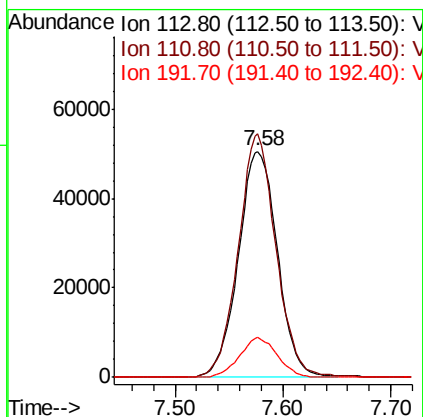
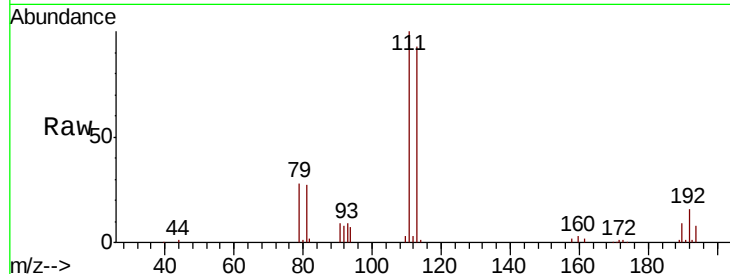




#35
 Dibromofluoromethane
 Concen: 48.334 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057651.D
 Acq: 1 Sep 2019 18:09

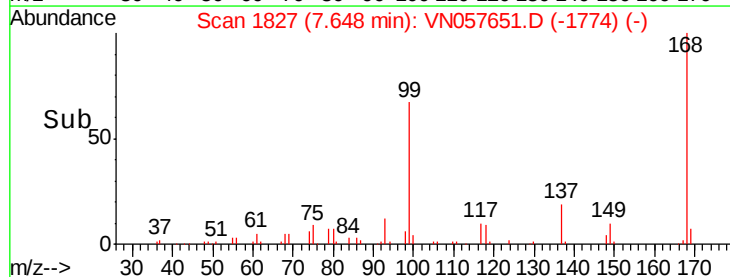
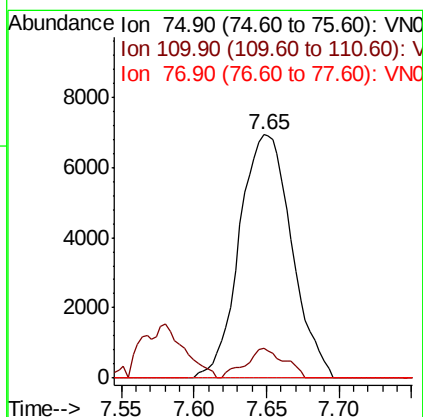
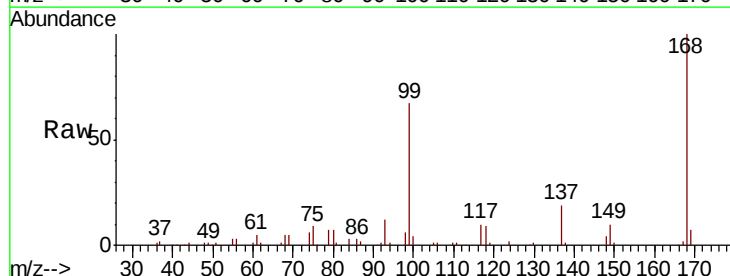
Instrument :
 MSVOA_N
 ClientSampled :
 T2-S-A2-(0)

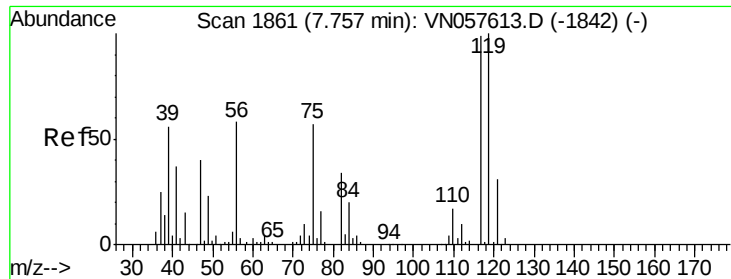
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.3	121.9
192	17.0	13.5	20.3



#36
 1,1-Dichloropropene
 Concen: 4.342 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057651.D
 Acq: 1 Sep 2019 18:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	15.6	46.8#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.574 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057651.D

Acq: 1 Sep 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

T2-S-A2-(0)

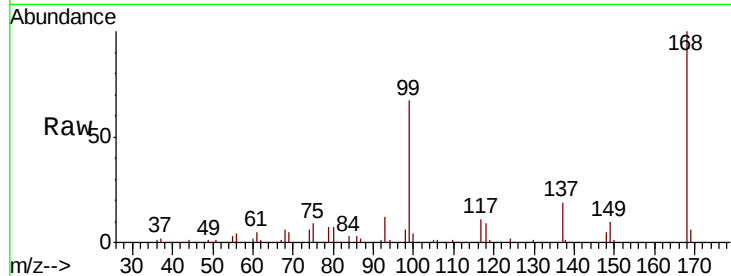
Tgt Ion:117 Resp: 19937

Ion Ratio Lower Upper

117 100

119 5.6 80.6 120.8#

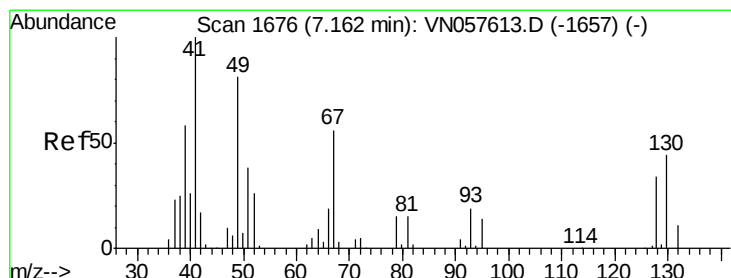
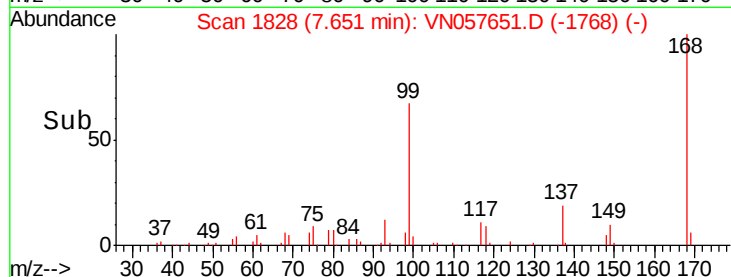
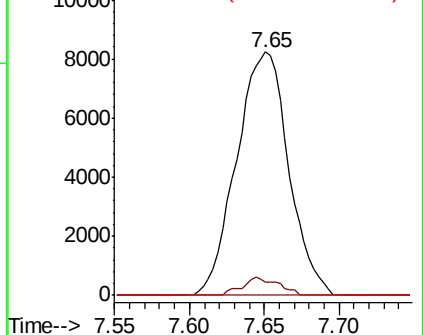
121 0.0 25.1 37.7#



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



#41

Methacrylonitrile

Concen: 2.324 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.01 min

Lab File: VN057651.D

Acq: 1 Sep 2019 18:09

Tgt Ion: 41 Resp: 92

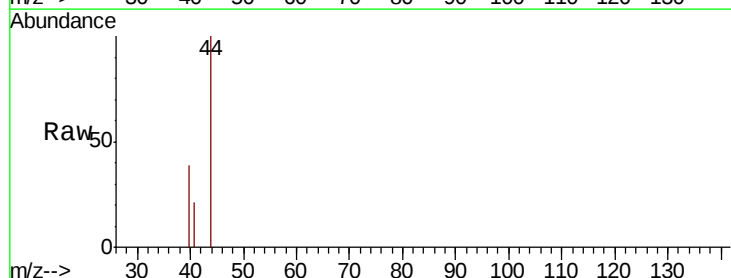
Ion Ratio Lower Upper

41 100

39 353.3 50.6 75.8#

67 0.0 56.9 85.3#

52 0.0 27.4 41.2#

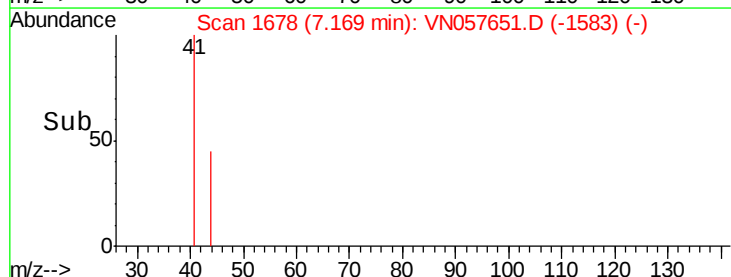
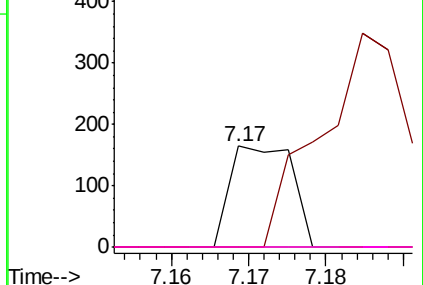


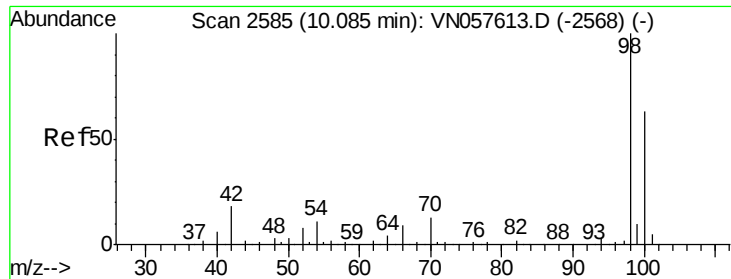
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#50

Toluene-d8

Concen: 50.050 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057651.D

Acq: 1 Sep 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

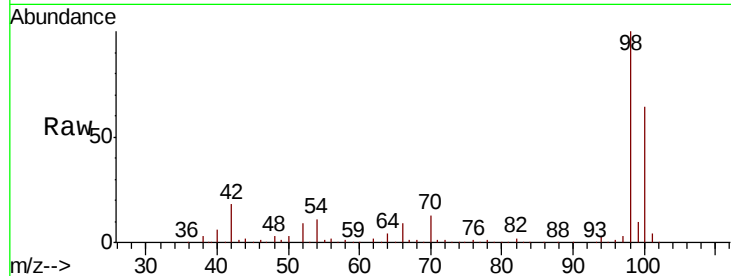
T2-S-A2-(0)

Tgt Ion: 98 Resp: 505744

Ion Ratio Lower Upper

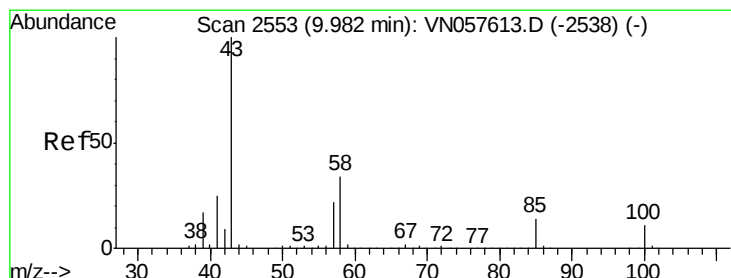
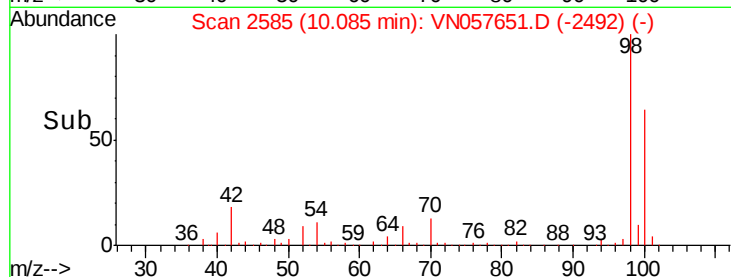
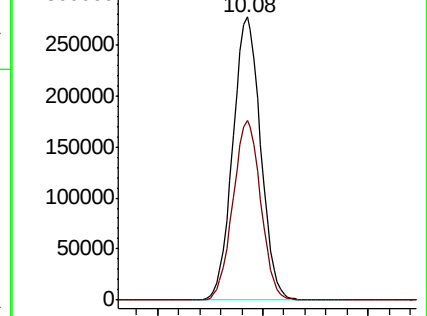
98 100

100 63.3 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.258 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057651.D

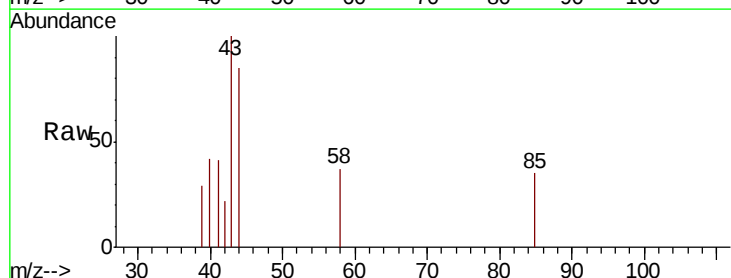
Acq: 1 Sep 2019 18:09

Tgt Ion: 43 Resp: 1014

Ion Ratio Lower Upper

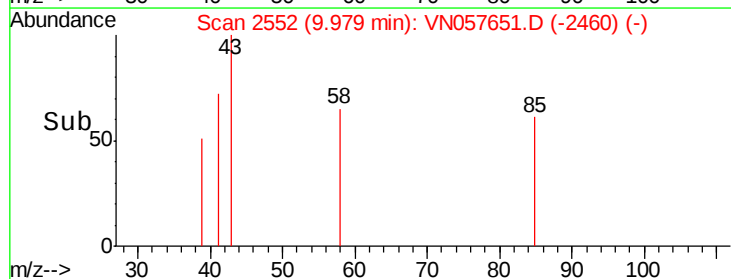
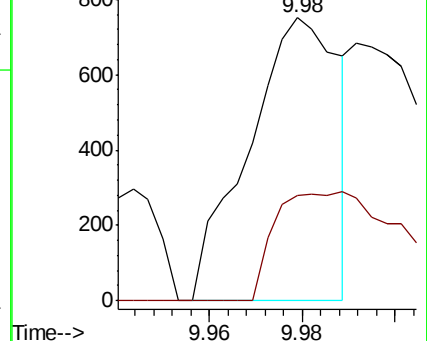
43 100

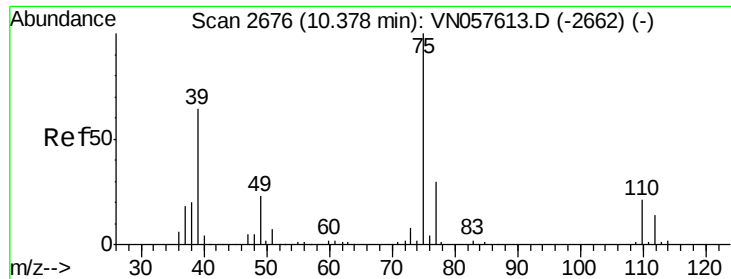
58 49.7 26.9 40.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#53

t-1,3-Dichloropropene

Concen: 3.422 ug/l

RT: 10.25 min Scan# 2635

Delta R.T. -0.13 min

Lab File: VN057651.D

Acq: 1 Sep 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

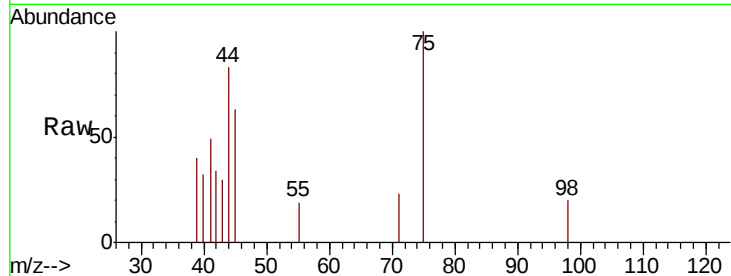
T2-S-A2-(0)

Tgt Ion: 75 Resp: 981

Ion Ratio Lower Upper

75 100

77 0.0 24.1 36.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.25

800

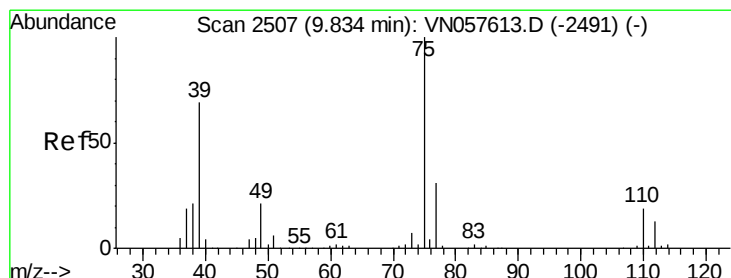
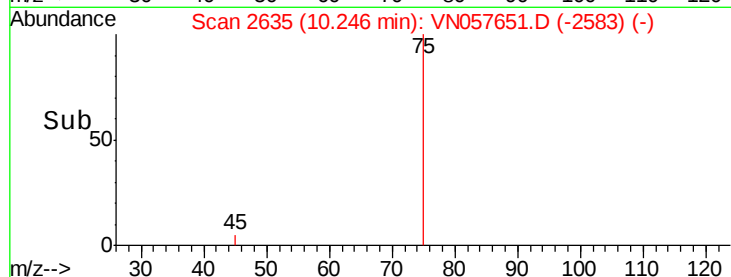
600

400

200

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 1.945 ug/l

RT: 9.58 min Scan# 2429

Delta R.T. -0.25 min

Lab File: VN057651.D

Acq: 1 Sep 2019 18:09

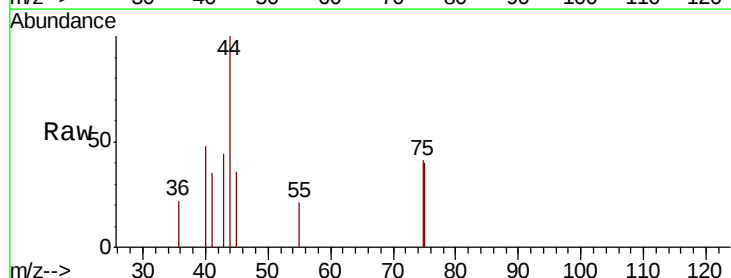
Tgt Ion: 75 Resp: 685

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

39 0.0 55.0 82.4#



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

9.58

800

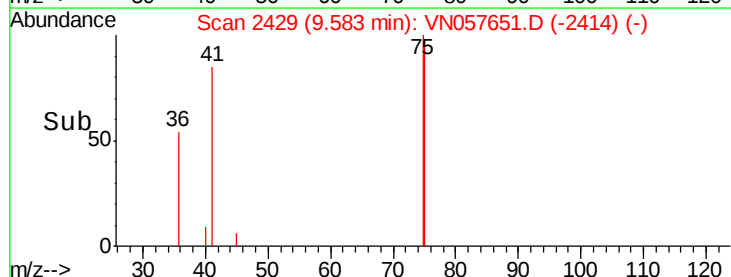
600

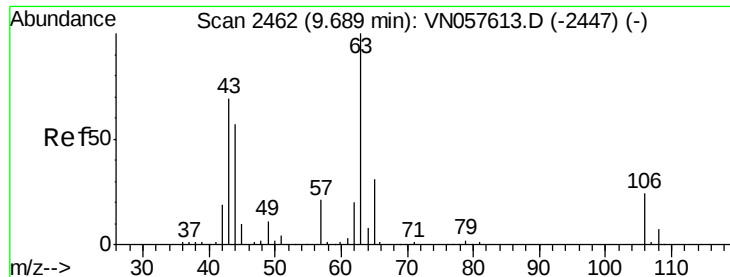
400

200

0

Time-->

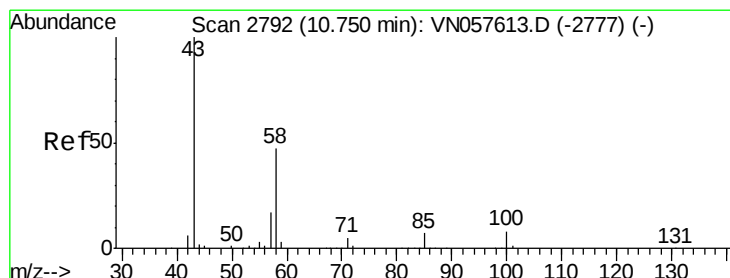
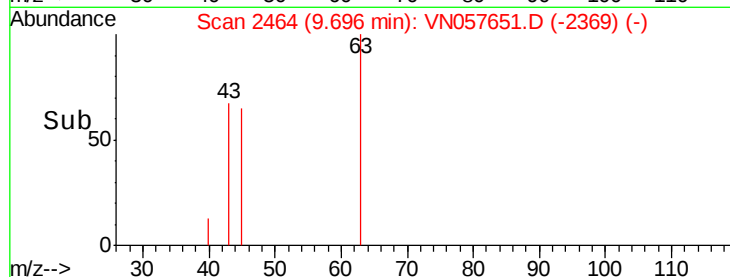
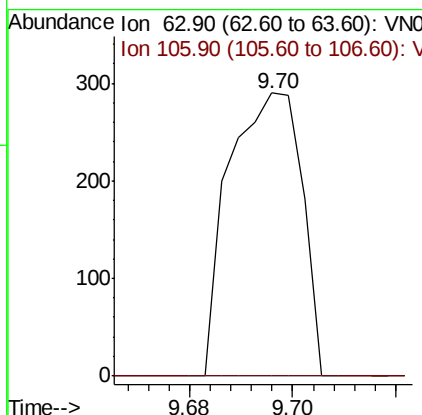
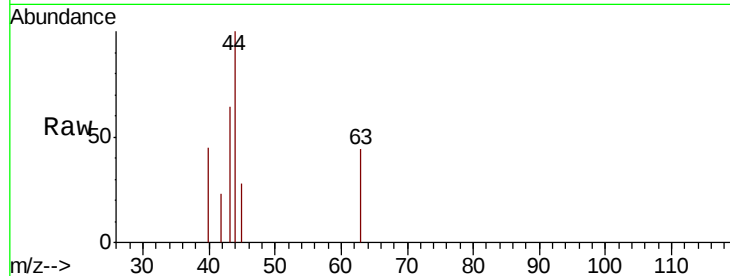




#58
2-Chloroethyl Vinyl ether
Concen: 0.221 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.01 min
Lab File: VN057651.D
Acq: 1 Sep 2019 18:09

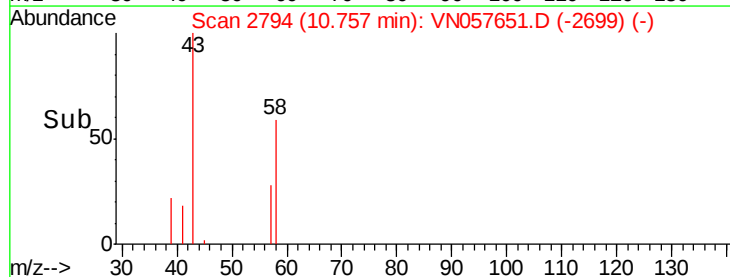
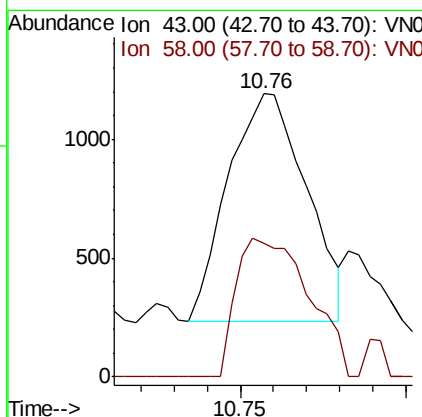
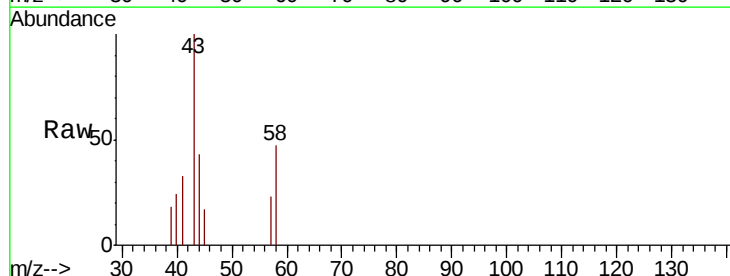
Instrument :
MSVOA_N
ClientSampled :
T2-S-A2-(0)

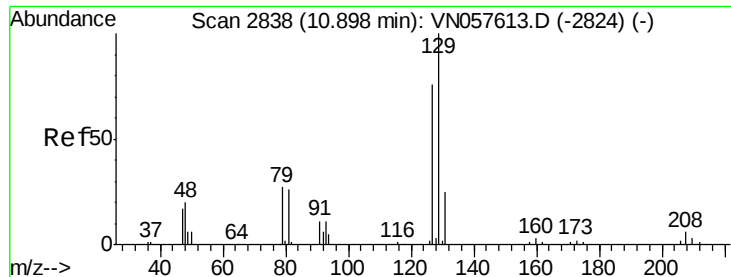
Tgt Ion: 63 Resp: 282
Ion Ratio Lower Upper
63 100
106 0.0 18.3 27.5#



#59
2-Hexanone
Concen: 0.547 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN057651.D
Acq: 1 Sep 2019 18:09

Tgt Ion: 43 Resp: 1578
Ion Ratio Lower Upper
43 100
58 56.3 23.5 70.5





#60

Dibromochloromethane

Concen: 3.854 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN057651.D

Acq: 1 Sep 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

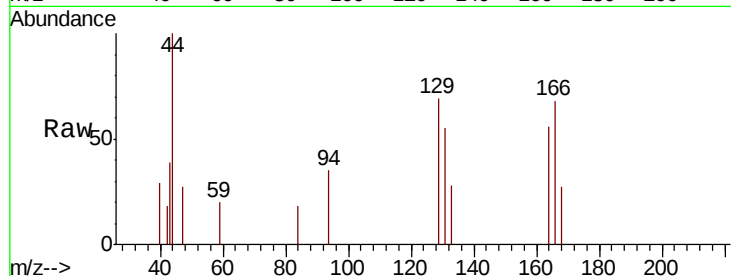
T2-S-A2-(0)

Tgt Ion:129 Resp: 952

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

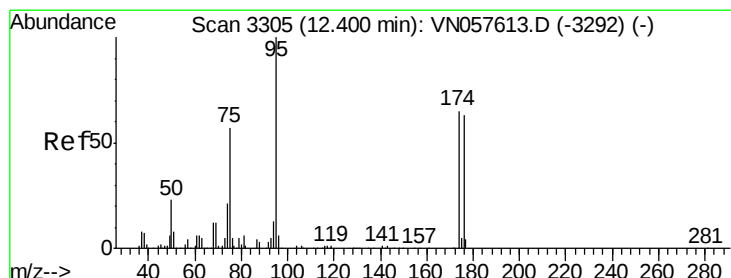
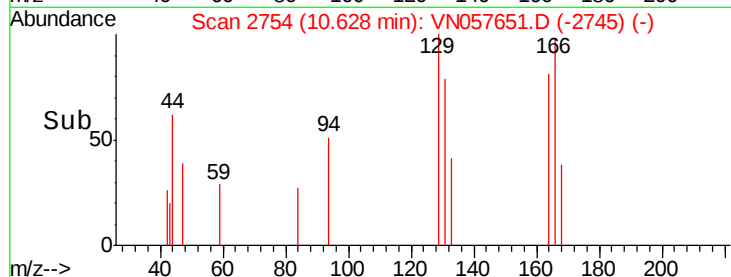
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 41.667 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057651.D

Acq: 1 Sep 2019 18:09

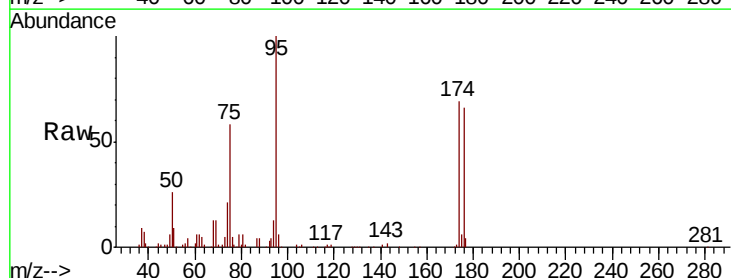
Tgt Ion: 95 Resp: 160105

Ion Ratio Lower Upper

95 100

174 68.9 0.0 134.8

176 65.6 0.0 131.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

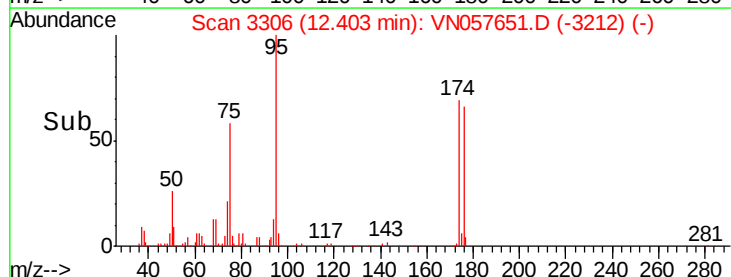
60000

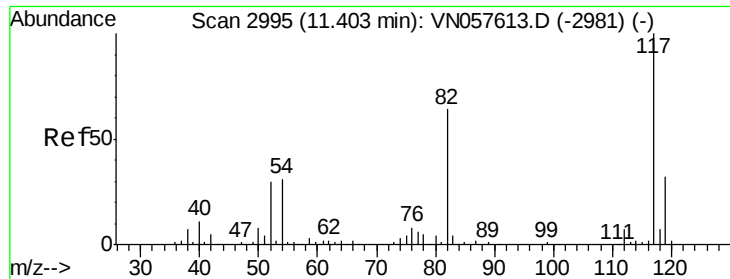
40000

20000

0

Time-->

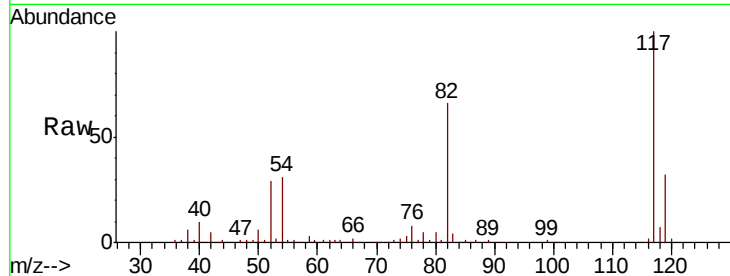




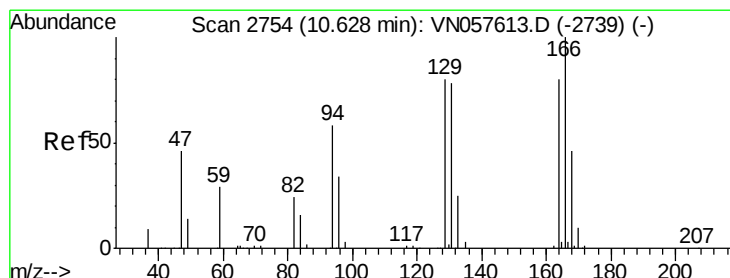
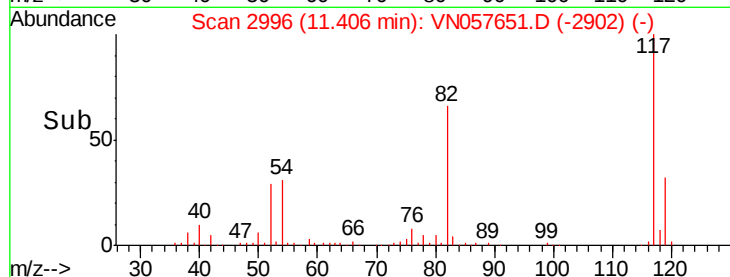
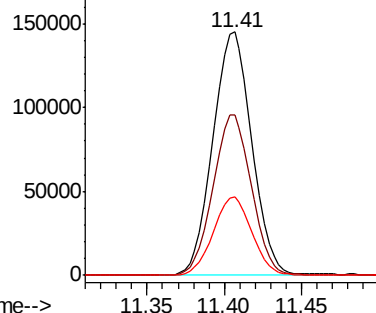
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057651.D
Acq: 1 Sep 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :
T2-S-A2-(0)

Tgt Ion:117 Resp: 254317
Ion Ratio Lower Upper
117 100
82 65.7 51.6 77.4
119 32.1 25.8 38.6

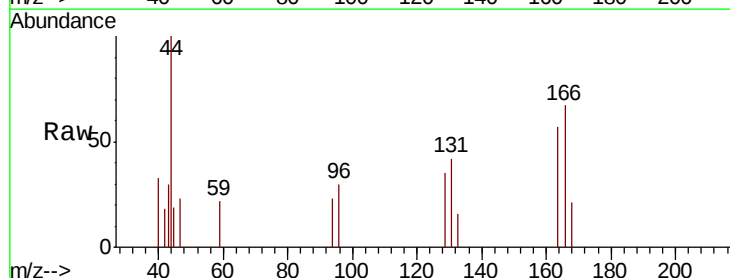


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

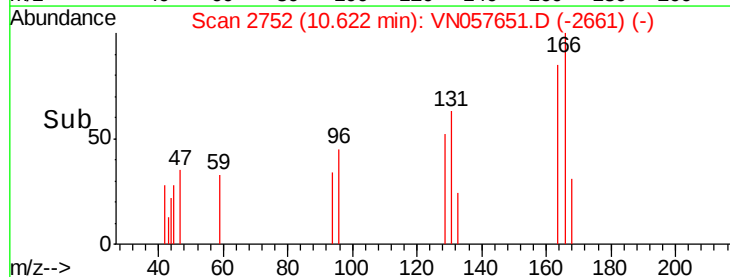
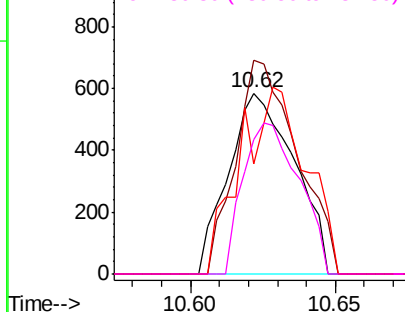


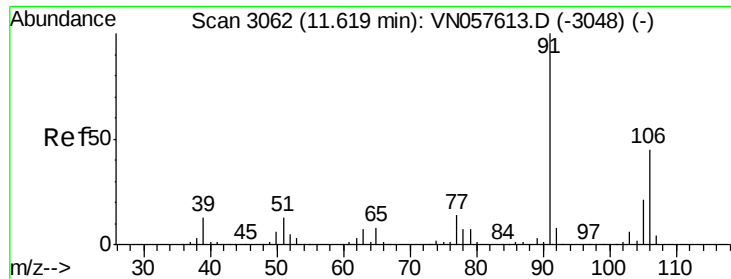
#64
Tetrachloroethene
Concen: 0.421 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.01 min
Lab File: VN057651.D
Acq: 1 Sep 2019 18:09

Tgt Ion:164 Resp: 927
Ion Ratio Lower Upper
164 100
166 118.1 100.6 151.0
129 61.0 80.4 120.6#
131 74.0 78.6 118.0#



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

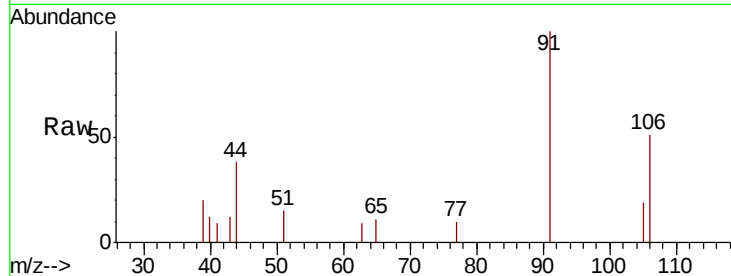




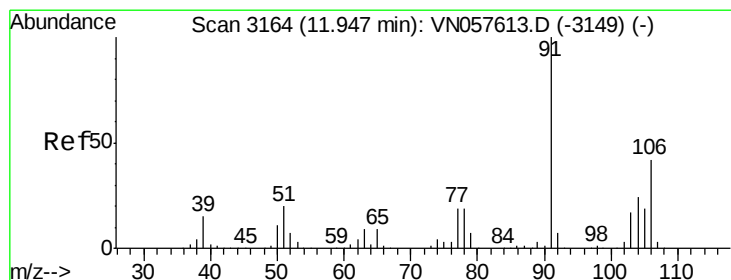
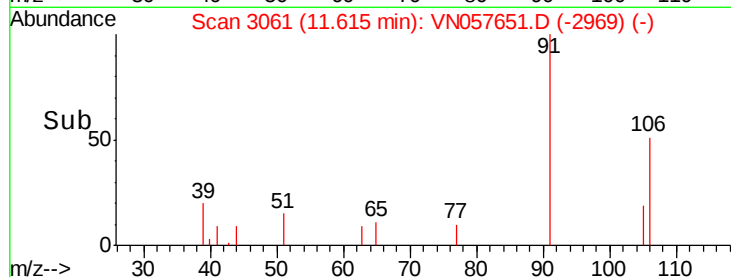
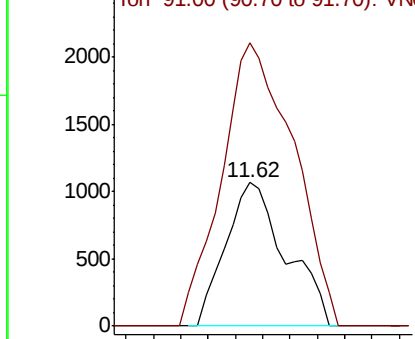
#68
m/p-Xylenes
Concen: 0.376 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN057651.D
Acq: 1 Sep 2019 18:09

Instrument :
MSVOA_N
ClientSampled :
T2-S-A2-(0)

Tgt Ion:106 Resp: 1639
Ion Ratio Lower Upper
106 100
91 235.9 176.2 264.2

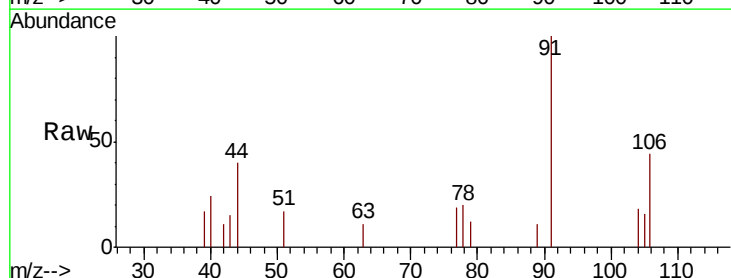


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

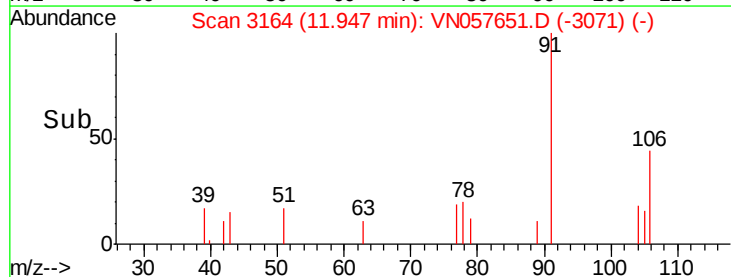
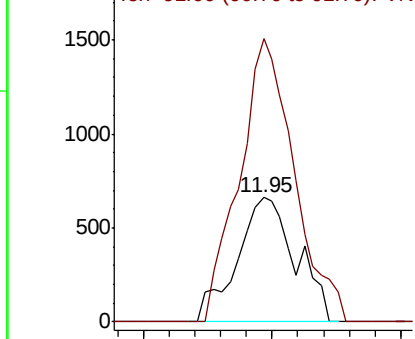


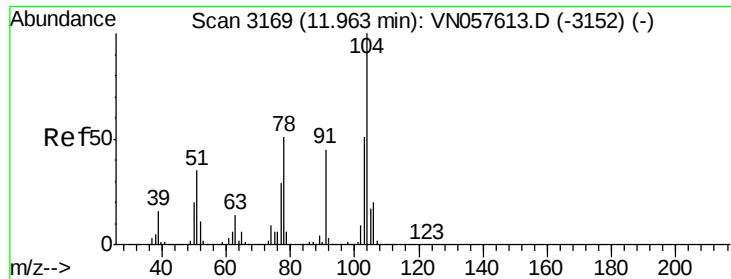
#69
o-Xylene
Concen: 0.250 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057651.D
Acq: 1 Sep 2019 18:09

Tgt Ion:106 Resp: 1058
Ion Ratio Lower Upper
106 100
91 212.0 117.3 351.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

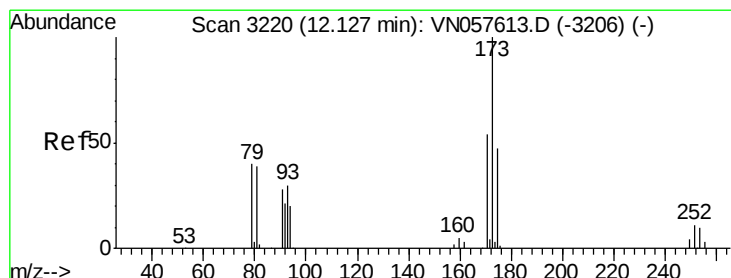
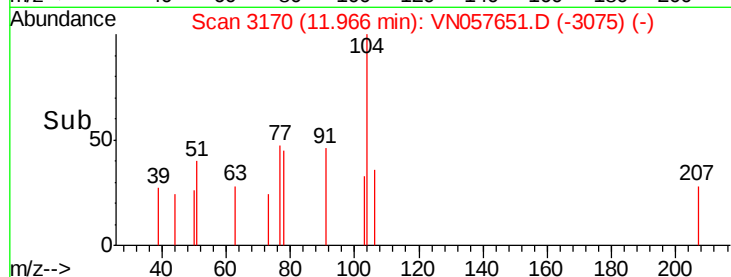
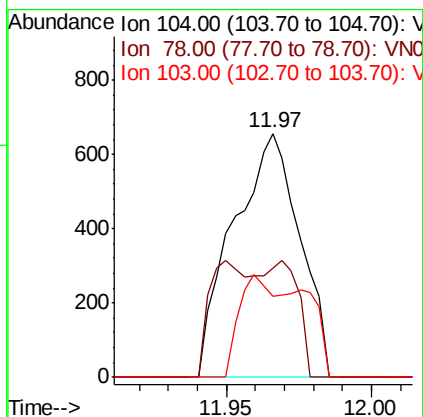
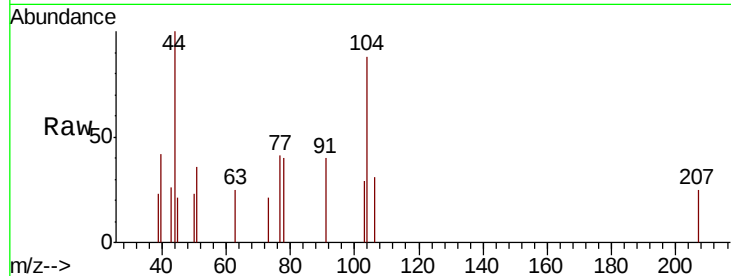




#70
Styrene
Concen: 2.713 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057651.D
Acq: 1 Sep 2019 18:09

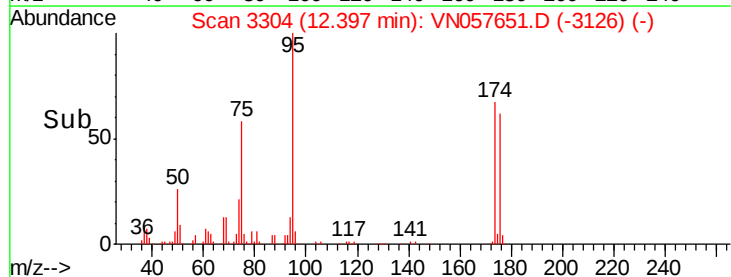
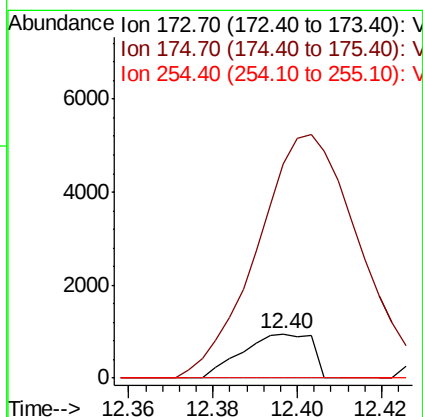
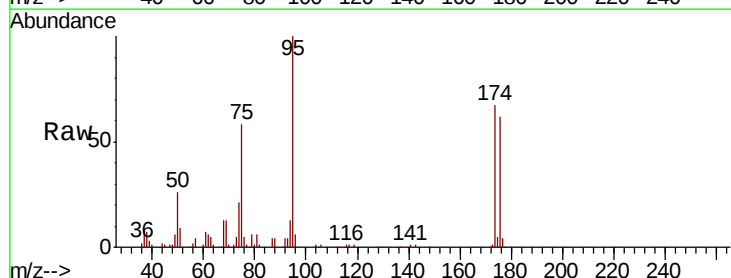
Instrument :
MSVOA_N
ClientSampled :
T2-S-A2-(0)

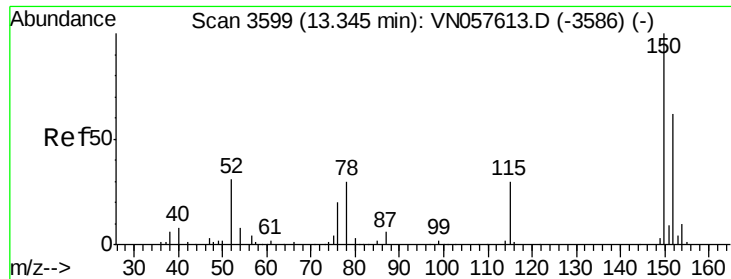
Tgt Ion:104 Resp: 1044
Ion Ratio Lower Upper
104 100
78 30.7 46.6 70.0#
103 24.9 44.7 67.1#



#71
Bromoform
Concen: 6.800 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN057651.D
Acq: 1 Sep 2019 18:09

Tgt Ion:173 Resp: 1095
Ion Ratio Lower Upper
173 100
175 680.3 24.4 73.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057651.D

Acq: 1 Sep 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

T2-S-A2-(0)

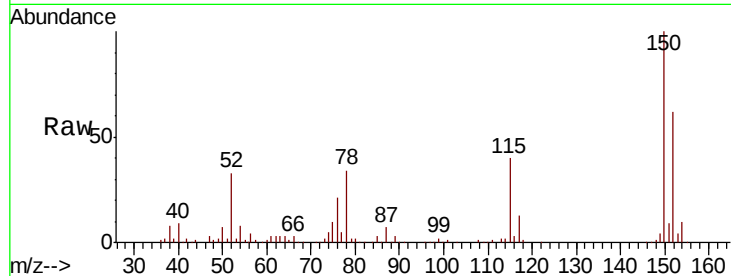
Tgt Ion:152 Resp: 113489

Ion Ratio Lower Upper

152 100

115 63.9 33.2 99.6

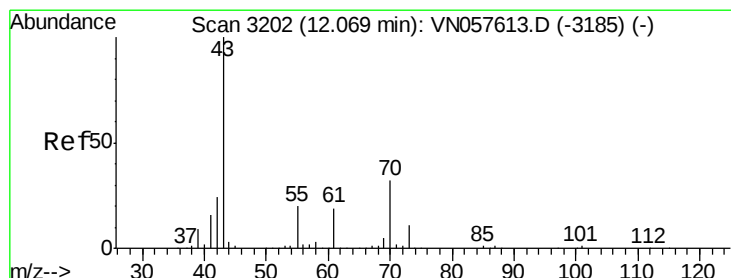
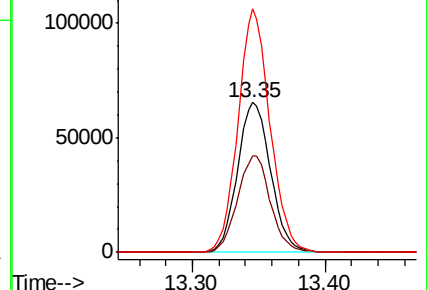
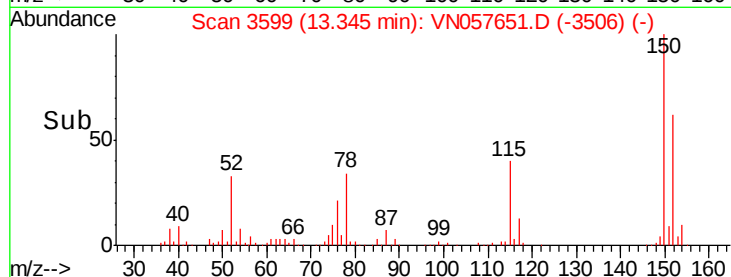
150 156.6 0.0 365.2



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: 0.295 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN057651.D

Acq: 1 Sep 2019 18:09

Tgt Ion: 43 Resp: 1593

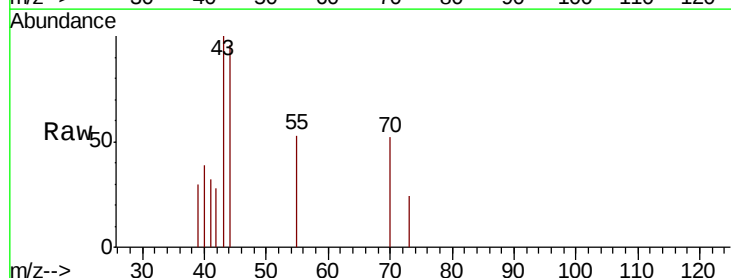
Ion Ratio Lower Upper

43 100

70 41.6 26.9 40.3#

55 19.7 16.8 25.2

61 0.0 15.1 22.7#

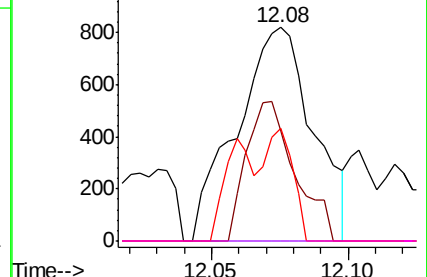
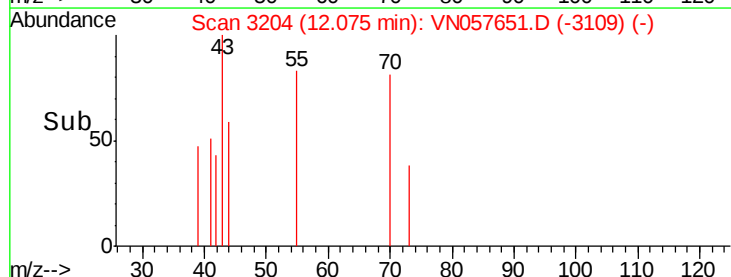


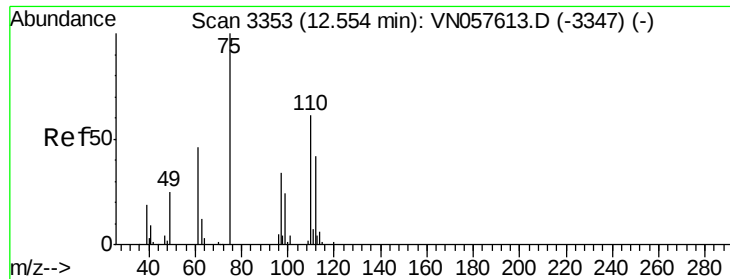
Abundance Ion 43.00 (42.70 to 43.70): V

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

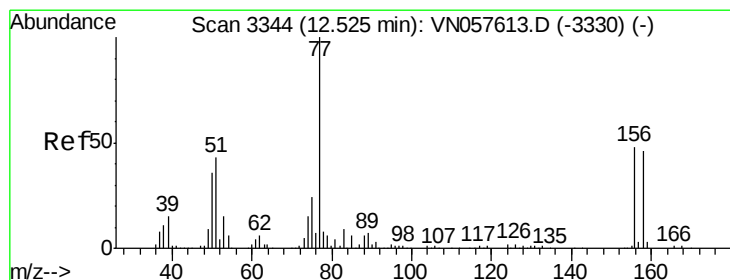
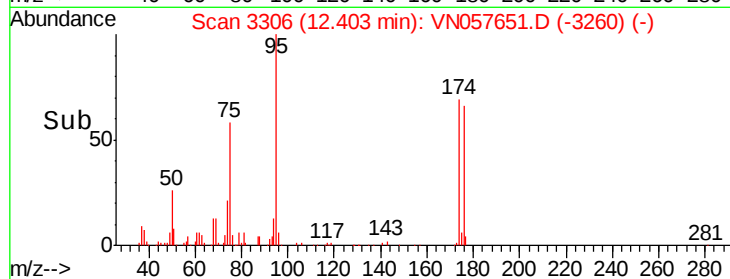
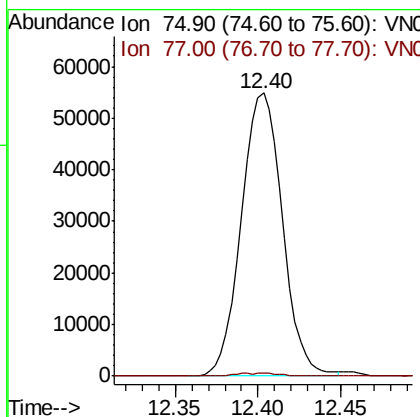
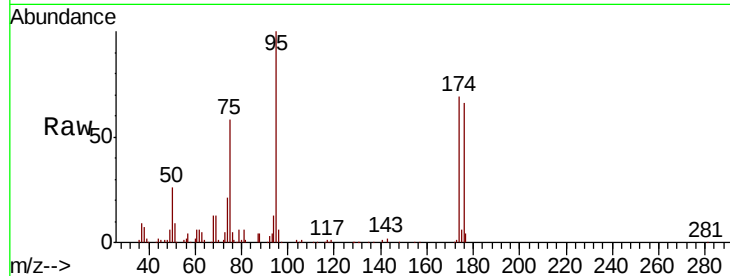




#76
 1,2,3-Trichloropropane
 Concen: 31.780 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN057651.D
 Acq: 1 Sep 2019 18:09

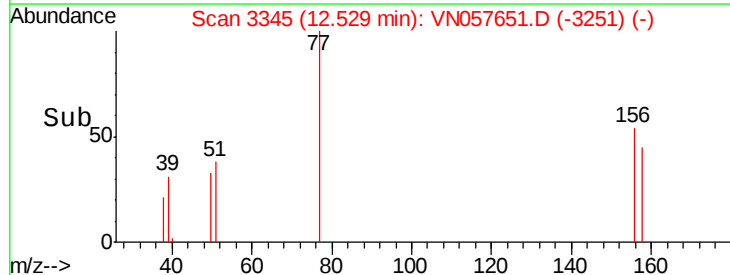
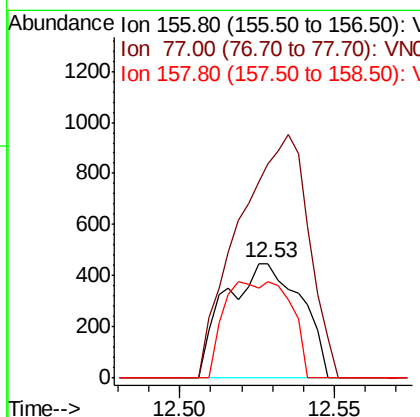
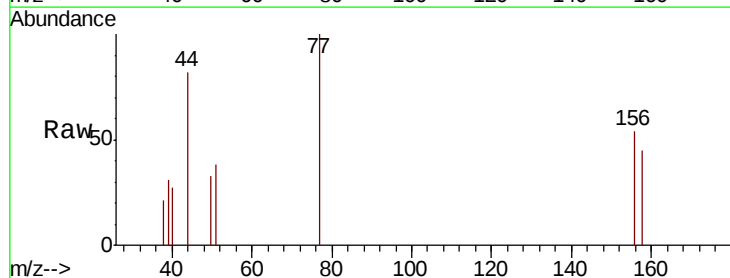
Instrument :
 MSVOA_N
 ClientSampled :
 T2-S-A2-(0)

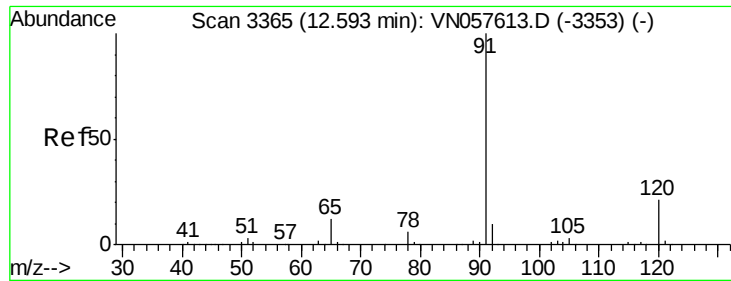
Tgt Ion: 75 Resp: 94872
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#77
 Bromobenzene
 Concen: 0.313 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN057651.D
 Acq: 1 Sep 2019 18:09

Tgt Ion: 156 Resp: 764
 Ion Ratio Lower Upper
 156 100
 77 196.3 123.5 370.5
 158 73.7 47.8 143.3

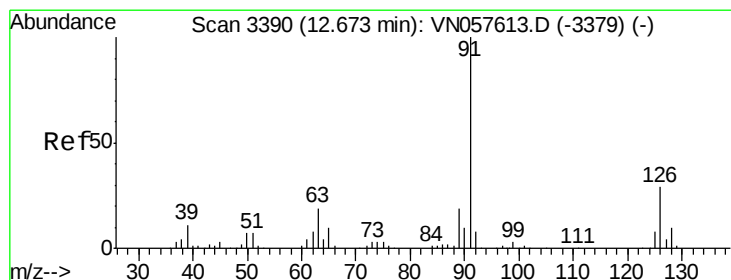
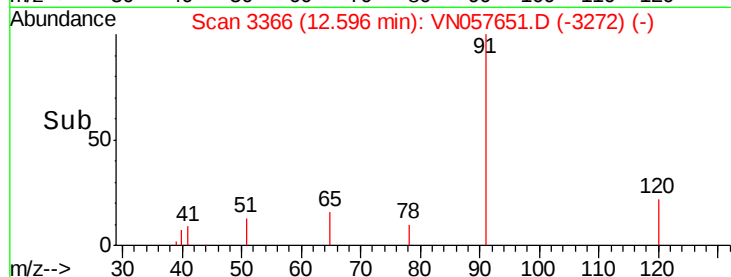
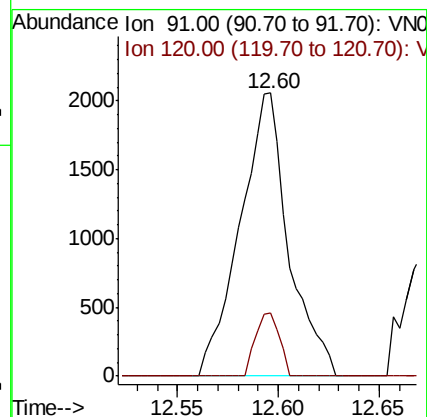
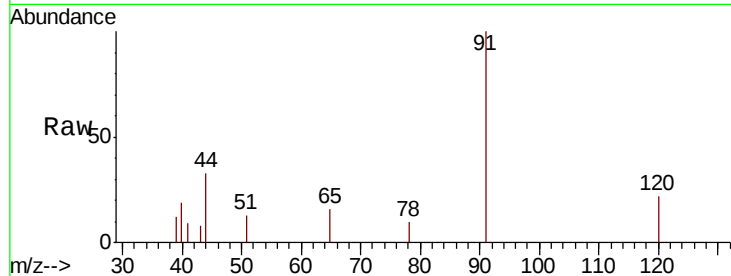




#78
n-propylbenzene
Concen: 0.271 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN057651.D
Acq: 1 Sep 2019 18:09

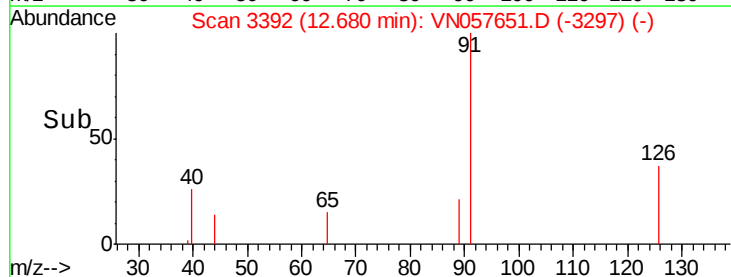
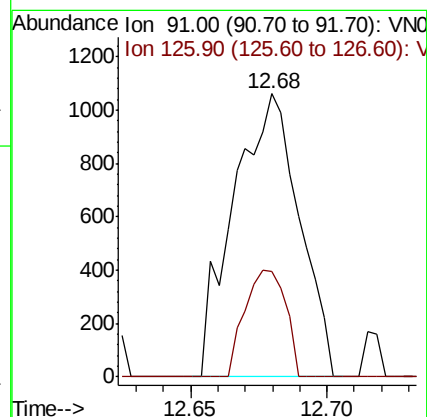
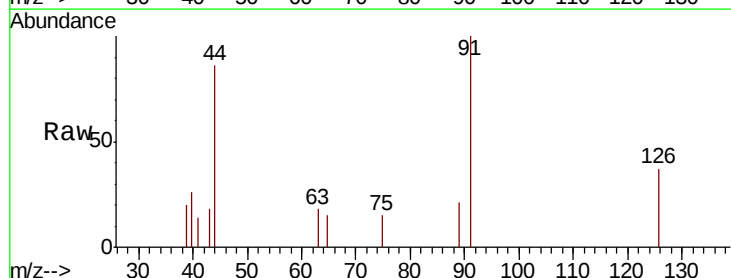
Instrument :
MSVOA_N
ClientSampled :
T2-S-A2-(0)

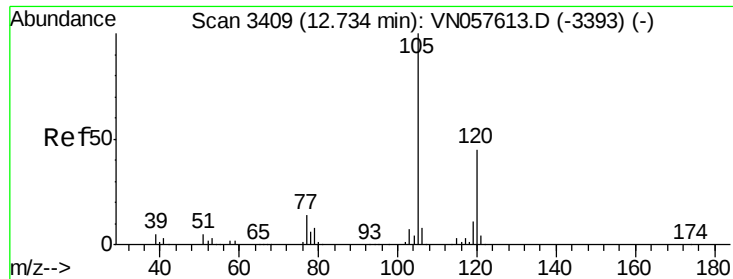
Tgt Ion: 91 Resp: 3454
Ion Ratio Lower Upper
91 100
120 11.0 10.4 31.4



#79
2-Chlorotoluene
Concen: 0.223 ug/l
RT: 12.68 min Scan# 3392
Delta R.T. 0.01 min
Lab File: VN057651.D
Acq: 1 Sep 2019 18:09

Tgt Ion: 91 Resp: 1775
Ion Ratio Lower Upper
91 100
126 23.1 14.9 44.5

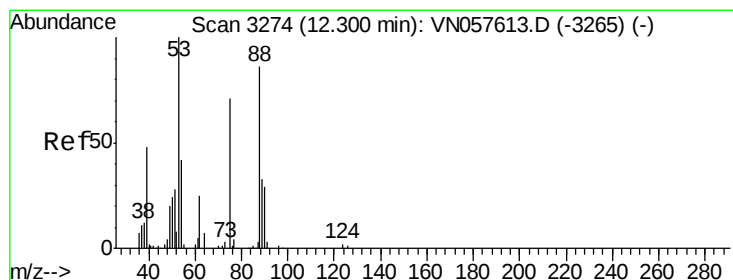
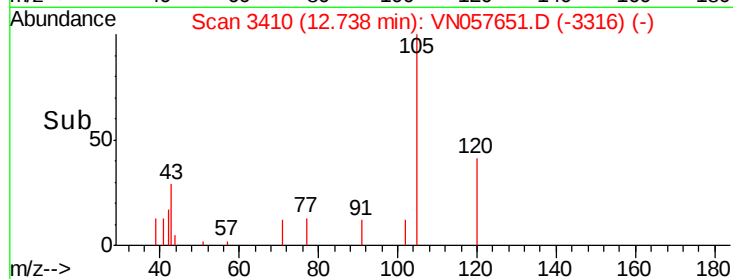
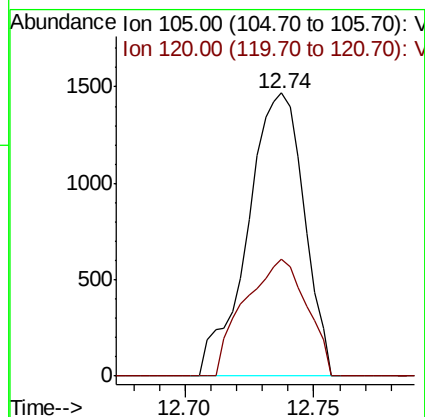
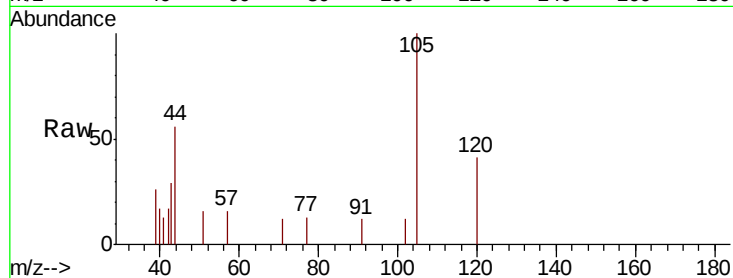




#80
 1,3,5-Trimethylbenzene
 Concen: 0.239 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN057651.D
 Acq: 1 Sep 2019 18:09

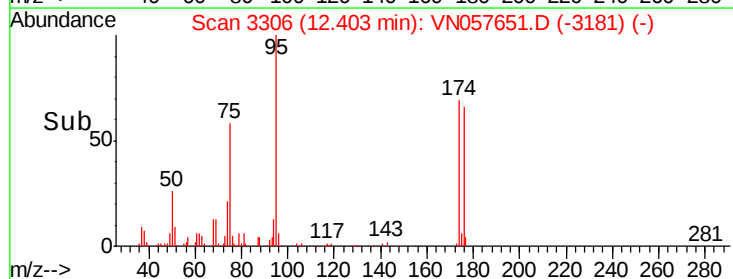
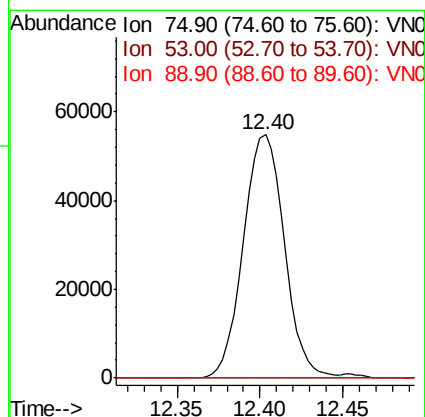
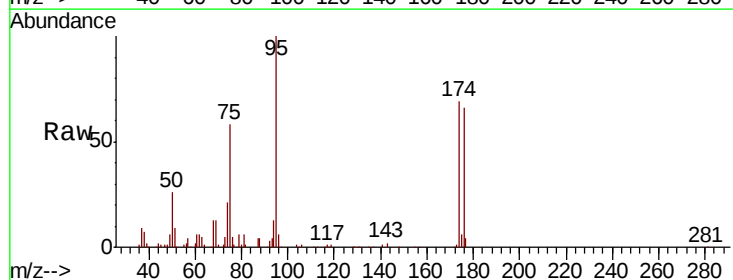
Instrument :
 MSVOA_N
 ClientSampleId :
 T2-S-A2-(0)

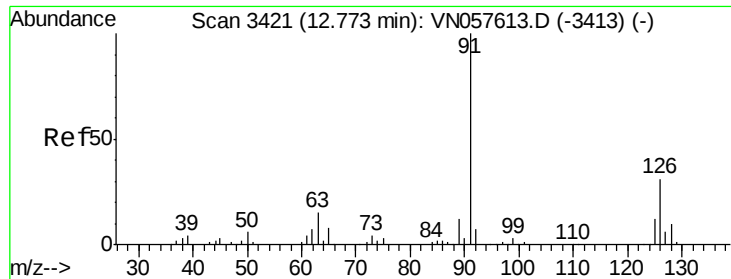
Tgt Ion: 105 Resp: 2252
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.6 67.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.936 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057651.D
 Acq: 1 Sep 2019 18:09

Tgt Ion: 75 Resp: 94872
 Ion Ratio Lower Upper
 75 100
 53 0.0 111.0 166.6#
 89 0.0 38.3 57.5#





#82

4-Chlorotoluene

Concen: 0.437 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057651.D

Acq: 1 Sep 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

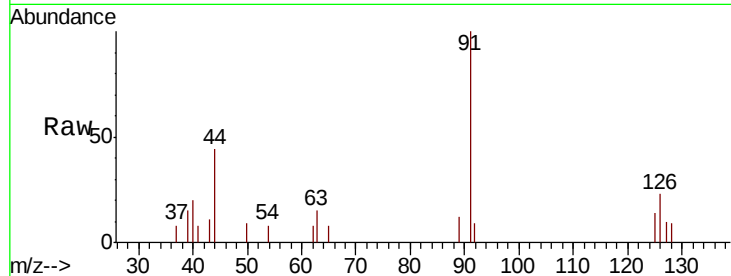
T2-S-A2-(0)

Tgt Ion: 91 Resp: 3441

Ion Ratio Lower Upper

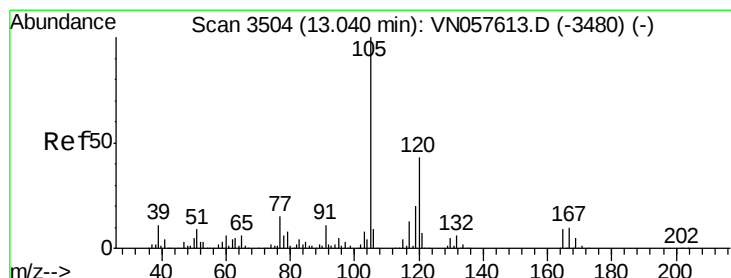
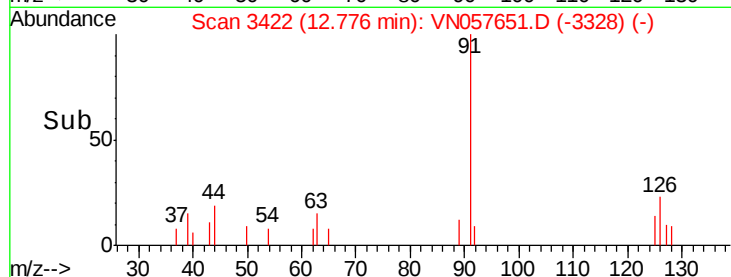
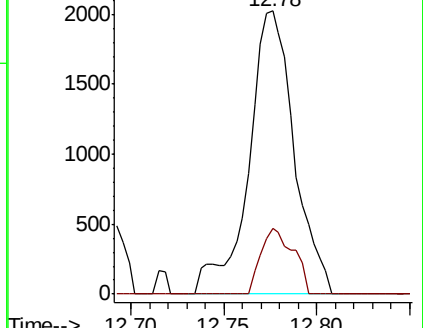
91 100

126 16.5 14.4 43.2



Abundance Ion 91.00 (90.70 to 91.70): VN057613.D (-3413) (-)

Ion 125.90 (125.60 to 126.60): VN057613.D (-3413) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.299 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.01 min

Lab File: VN057651.D

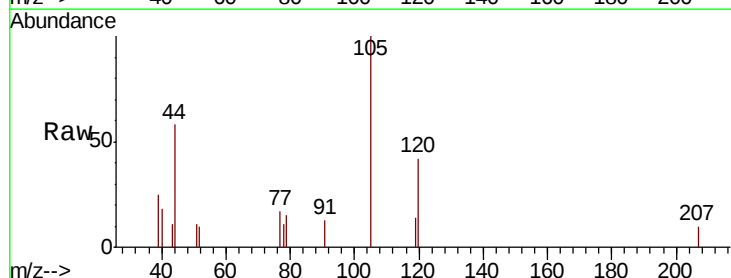
Acq: 1 Sep 2019 18:09

Tgt Ion: 105 Resp: 2724

Ion Ratio Lower Upper

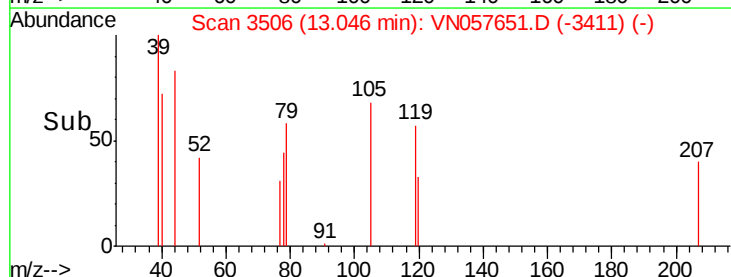
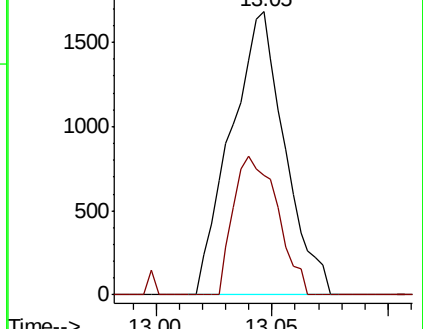
105 100

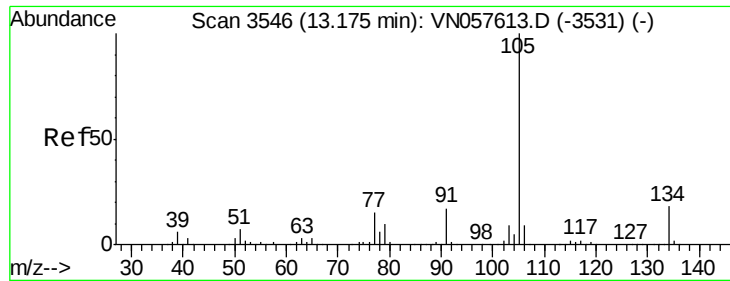
120 40.0 20.8 62.5



Abundance Ion 105.00 (104.70 to 105.70): VN057613.D (-3480) (-)

Ion 120.00 (119.70 to 120.70): VN057613.D (-3480) (-)

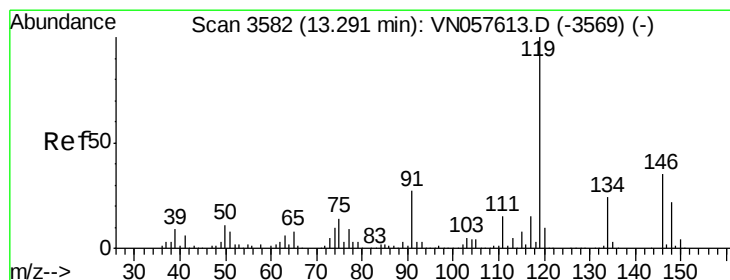
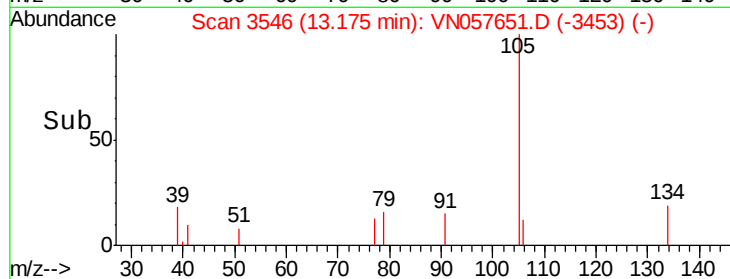
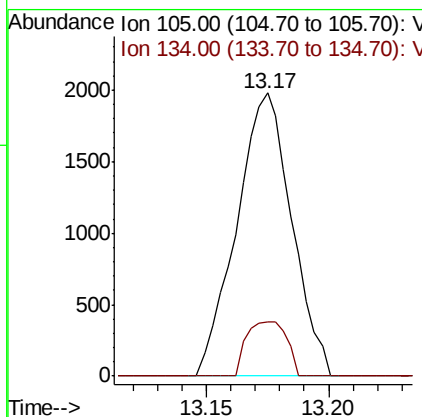
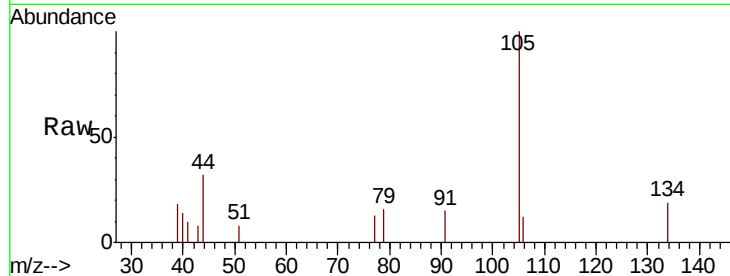




#85
 sec-Butylbenzene
 Concen: 0.287 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057651.D
 Acq: 1 Sep 2019 18:09

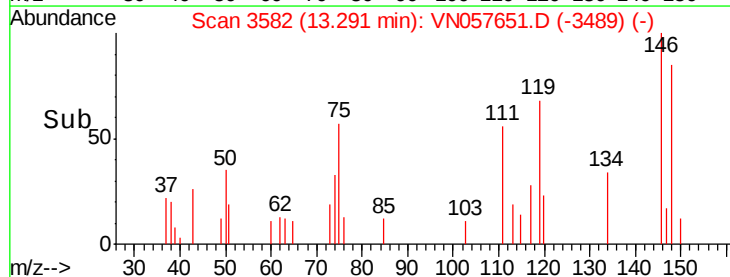
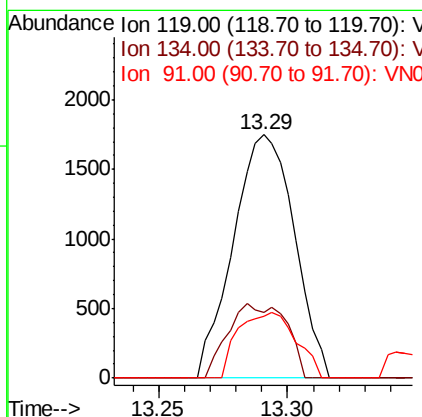
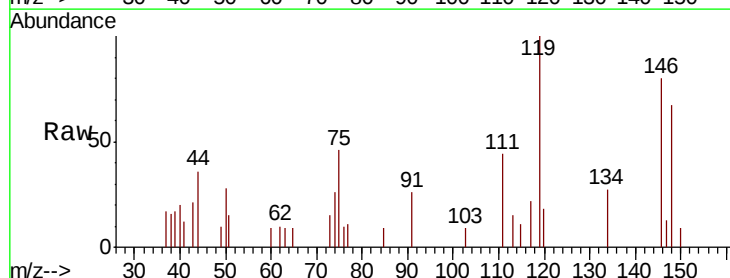
Instrument :
 MSVOA_N
 ClientSampleId :
 T2-S-A2-(0)

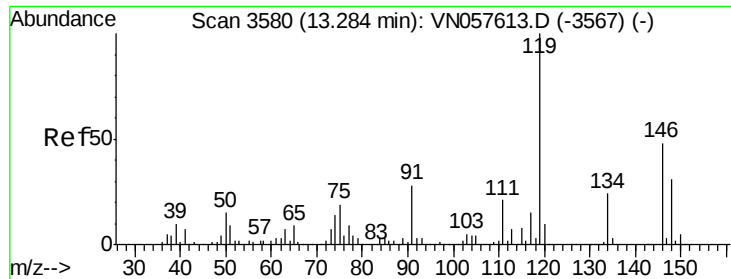
Tgt Ion:105 Resp: 3089
 Ion Ratio Lower Upper
 105 100
 134 14.0 8.9 26.8



#86
 p-Isopropyltoluene
 Concen: 0.324 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057651.D
 Acq: 1 Sep 2019 18:09

Tgt Ion:119 Resp: 2882
 Ion Ratio Lower Upper
 119 100
 134 29.0 11.9 35.5
 91 25.5 13.7 41.0

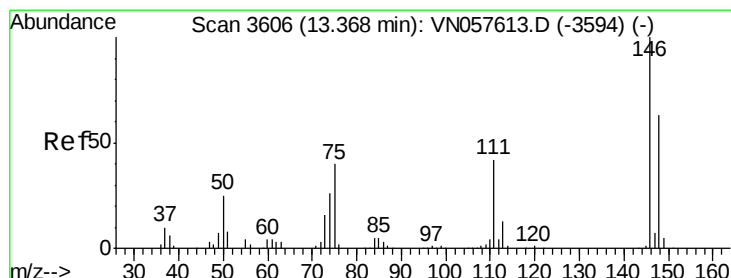
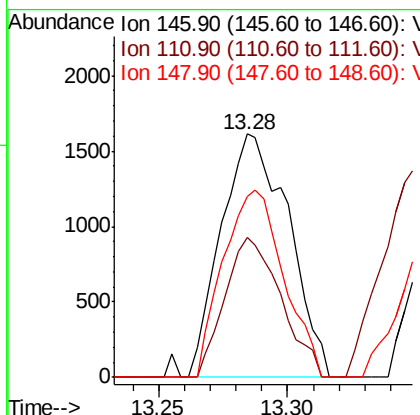
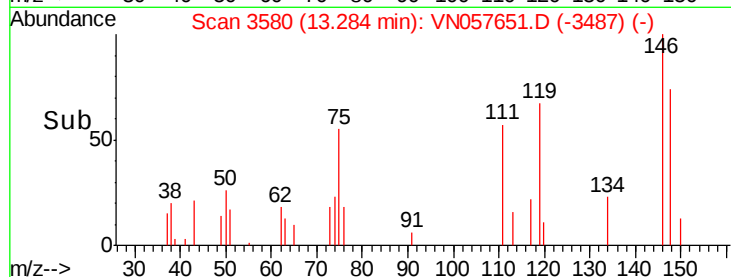
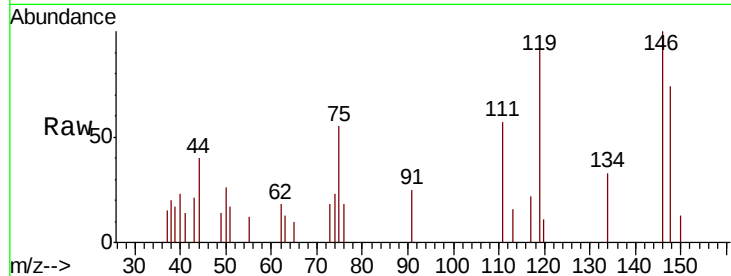




#87
 1,3-Dichlorobenzene
 Concen: 0.738 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057651.D
 Acq: 1 Sep 2019 18:09

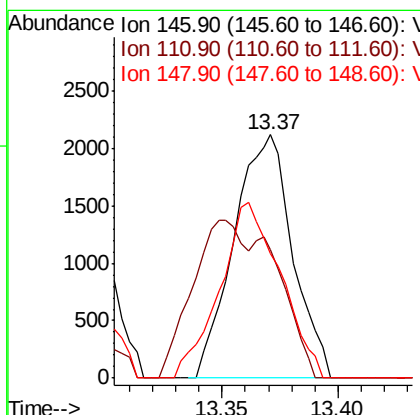
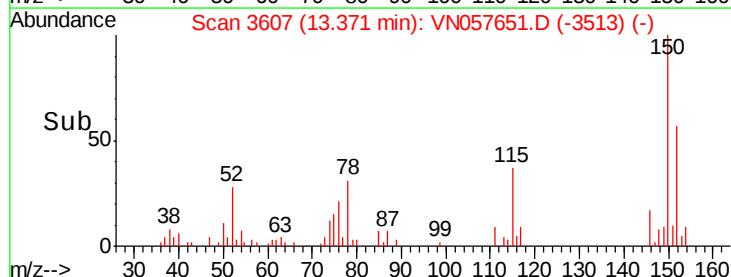
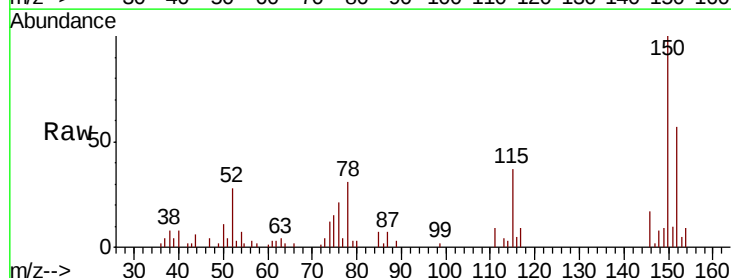
Instrument :
 MSVOA_N
 ClientSampleId :
 T2-S-A2-(0)

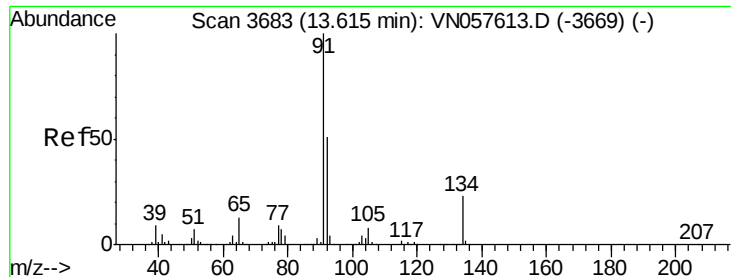
Tgt Ion:146 Resp: 2934
 Ion Ratio Lower Upper
 146 100
 111 47.8 21.8 65.3
 148 68.9 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 0.968 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN057651.D
 Acq: 1 Sep 2019 18:09

Tgt Ion:146 Resp: 3716
 Ion Ratio Lower Upper
 146 100
 111 59.3 21.6 65.0
 148 74.4 32.2 96.6

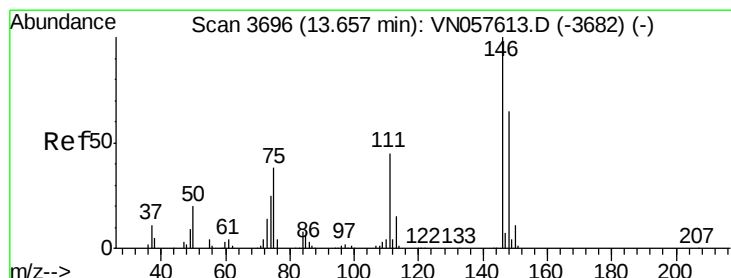
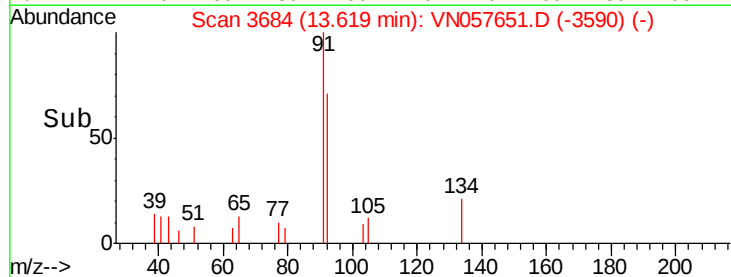
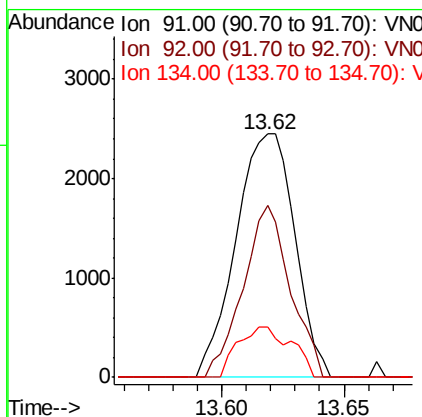
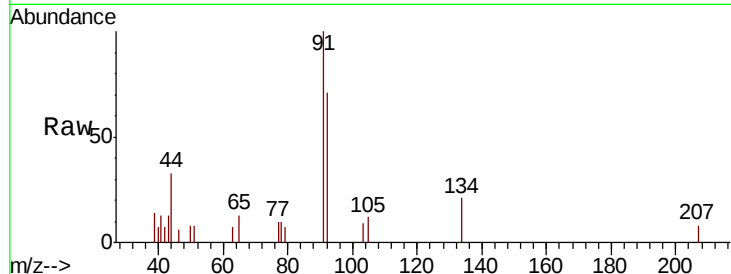




#89
n-Butylbenzene
Concen: 0.491 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057651.D
Acq: 1 Sep 2019 18:09

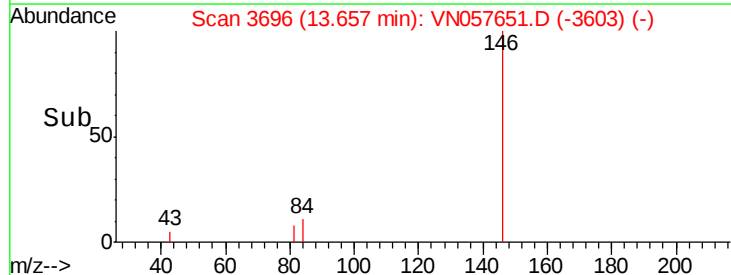
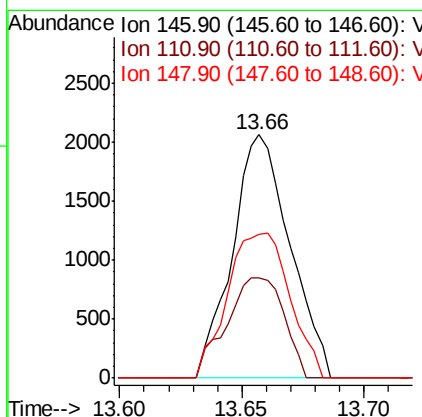
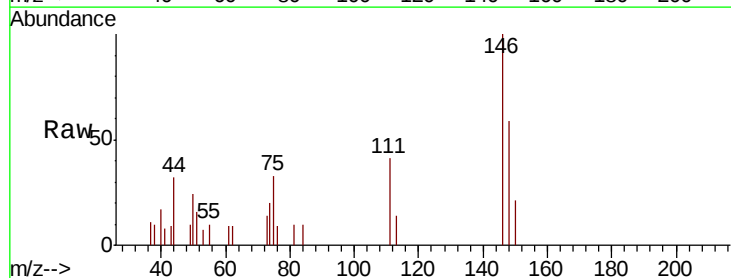
Instrument :
MSVOA_N
ClientSampleId :
T2-S-A2-(0)

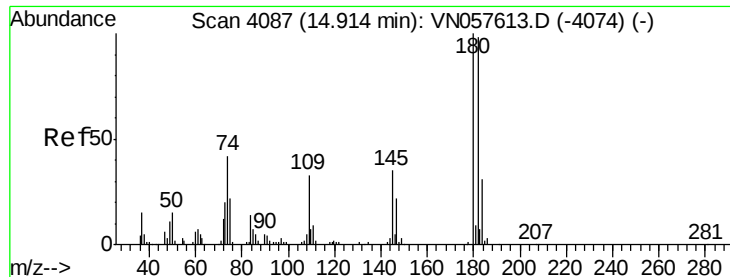
Tgt Ion: 91 Resp: 4096
Ion Ratio Lower Upper
91 100
92 56.4 25.4 76.0
134 18.8 11.0 33.0



#91
1,2-Dichlorobenzene
Concen: 0.891 ug/l
RT: 13.66 min Scan# 3696
Delta R.T. 0.00 min
Lab File: VN057651.D
Acq: 1 Sep 2019 18:09

Tgt Ion: 146 Resp: 3379
Ion Ratio Lower Upper
146 100
111 41.1 22.1 66.5
148 64.5 31.6 94.7

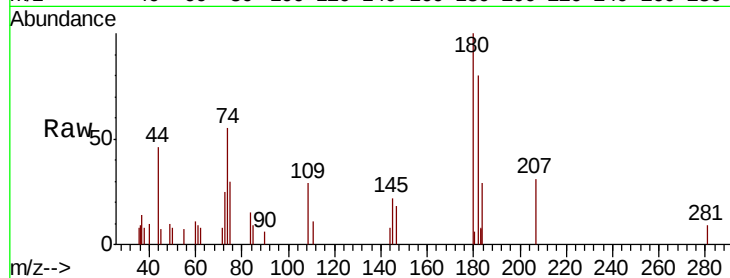




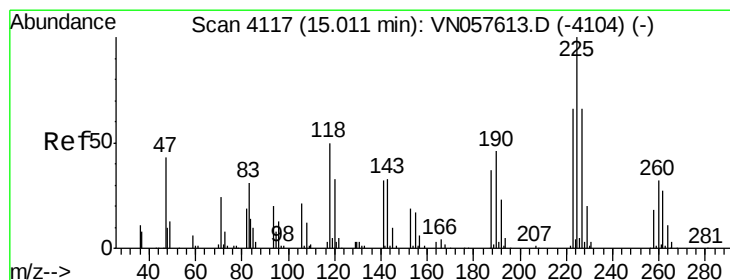
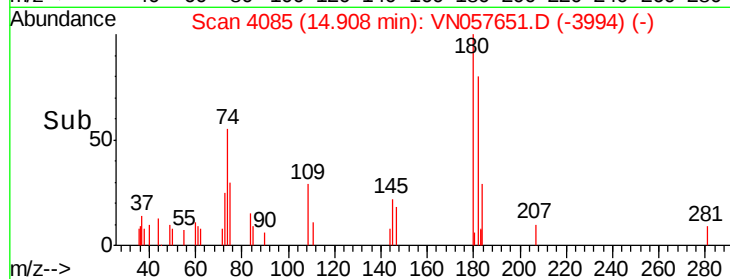
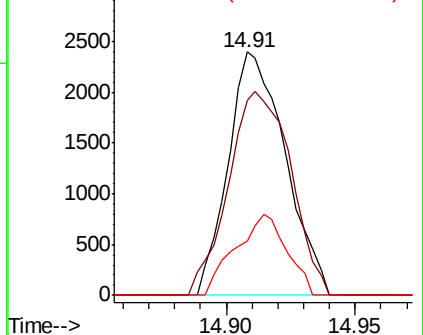
#93
 1,2,4-Trichlorobenzene
 Concen: 10.171 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.01 min
 Lab File: VN057651.D
 Acq: 1 Sep 2019 18:09

Instrument :
 MSVOA_N
 ClientSampled :
 T2-S-A2-(0)

Tgt Ion:180 Resp: 3699
 Ion Ratio Lower Upper
 180 100
 182 91.5 47.8 143.3
 145 29.8 16.9 50.7

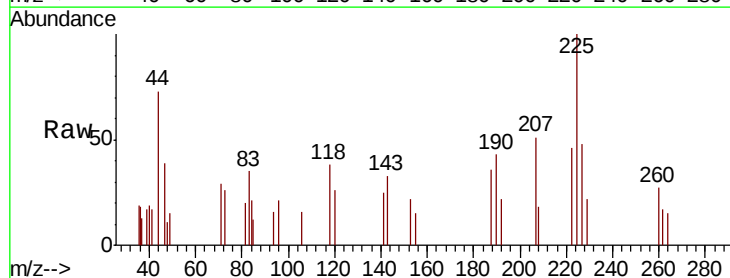


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

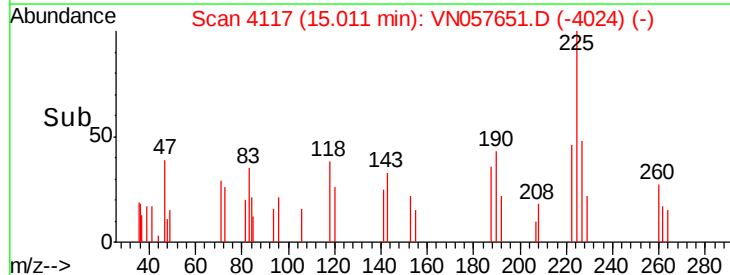
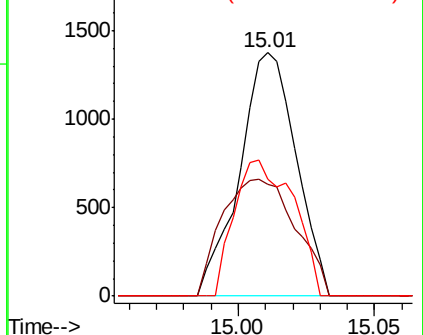


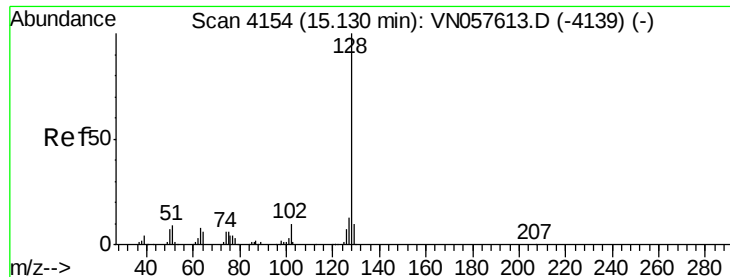
#94
 Hexachlorobutadiene
 Concen: 1.518 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057651.D
 Acq: 1 Sep 2019 18:09

Tgt Ion:225 Resp: 1975
 Ion Ratio Lower Upper
 225 100
 223 62.5 32.3 96.8
 227 58.8 32.4 97.2



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: 7.907 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057651.D

Acq: 1 Sep 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

T2-S-A2-(0)

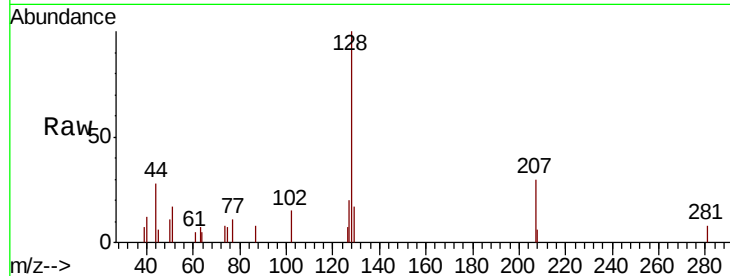
Tgt Ion:128 Resp: 5679

Ion Ratio Lower Upper

128 100

127 14.5 10.2 15.2

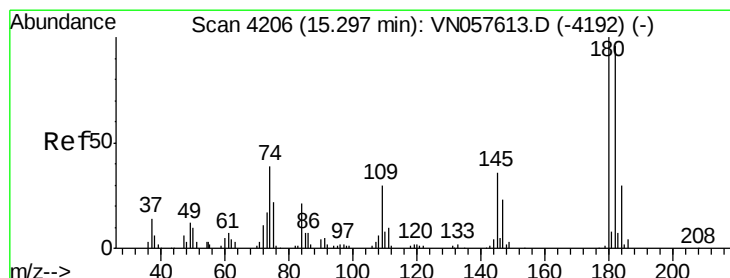
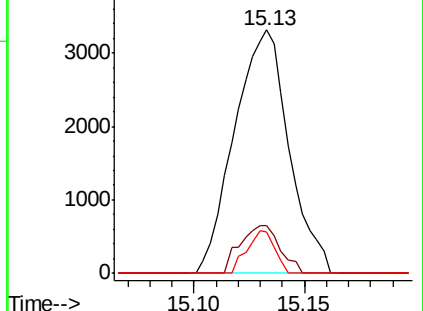
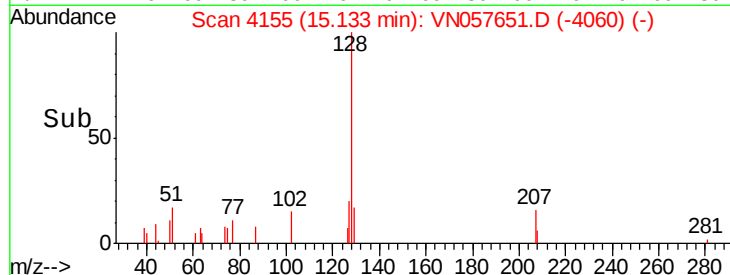
129 8.9 8.6 12.8



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: 9.453 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057651.D

Acq: 1 Sep 2019 18:09

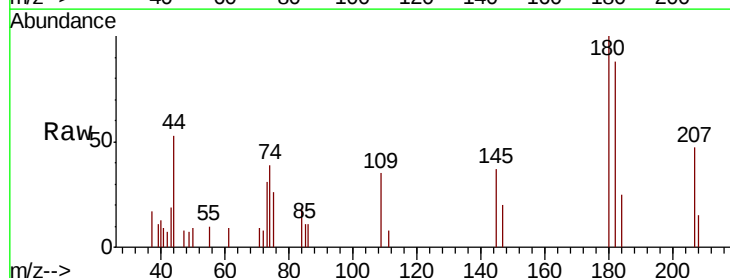
Tgt Ion:180 Resp: 3292

Ion Ratio Lower Upper

180 100

182 91.3 46.3 138.9

145 31.7 17.8 53.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

