

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058827.D
 Acq On : 17 Oct 2019 15:08
 Operator : JC/SP
 Sample : K5393-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 01:28:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	367822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	594721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	543718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	203734	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	270707	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
35) Dibromofluoromethane	7.57	113	195777	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
50) Toluene-d8	10.08	98	755155	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.41	95	242997	43.70	ug/l	0.00
Spiked Amount			Recovery	=	87.40%	

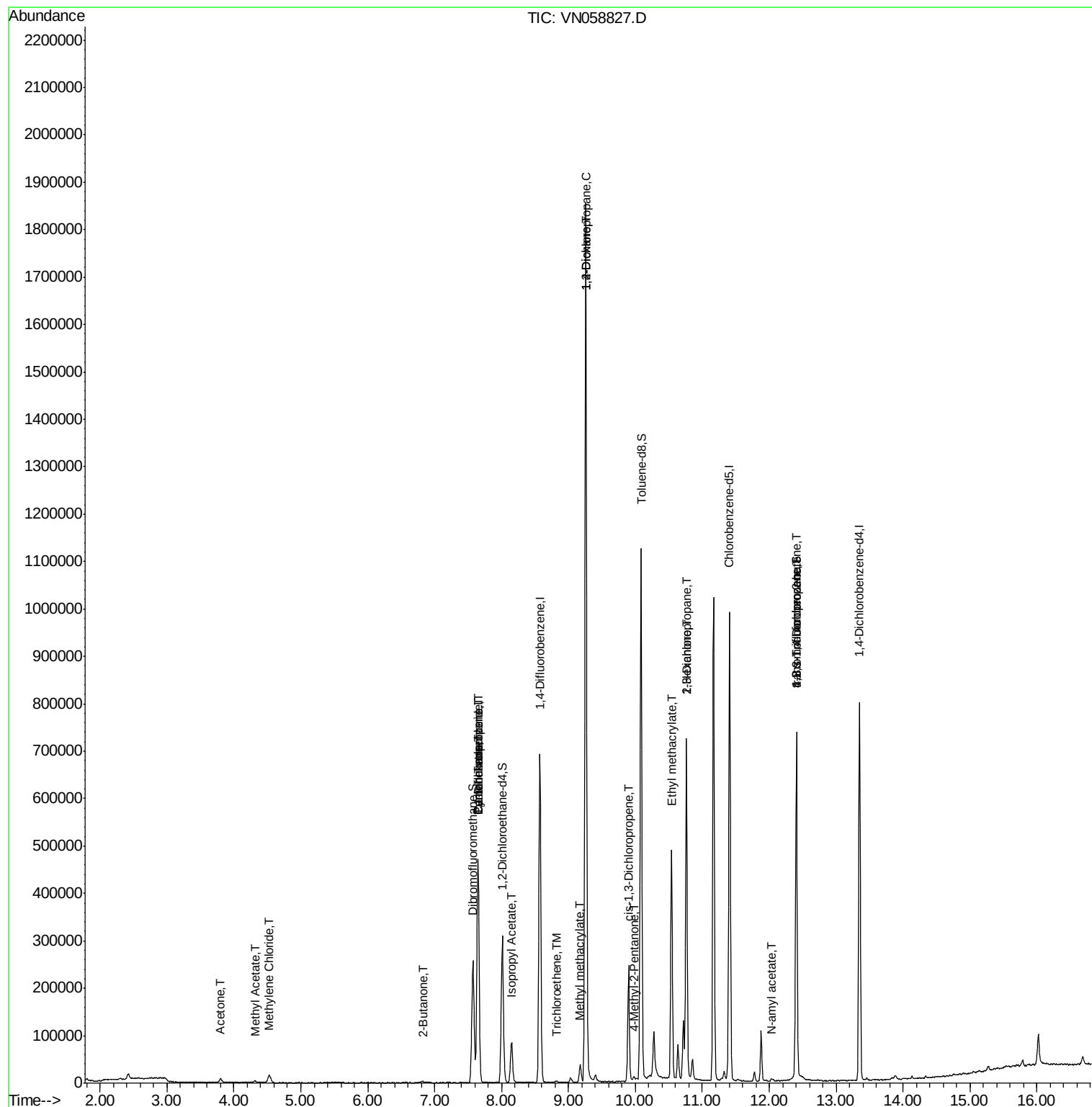
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	13771	6.460	ug/l	94
18) Methyl Acetate	4.31	43	5145	0.951	ug/l	93
20) Methylene Chloride	4.53	84	11602	2.604	ug/l	92
25) 2-Butanone	6.82	43	2686	0.872	ug/l	90
31) Cyclohexane	7.64	56	9079	1.202	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	31044	5.163	ug/l #	51
38) Carbon Tetrachloride	7.65	117	37175	6.343	ug/l #	17
43) Isopropyl Acetate	8.15	43	103163	9.958	ug/l #	90
44) Trichloroethene	8.83	130	1272	0.297	ug/l	70
45) 1,2-Dichloropropane	9.26	63	2283	0.494	ug/l #	45
48) Methyl methacrylate	9.17	41	5736	1.221	ug/l #	14
49) 1,4-Dioxane	9.25	88	89	1.225	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	6169	1.060	ug/l	100
54) cis-1,3-Dichloropropene	9.90	75	39775	5.472	ug/l #	69
56) Ethyl methacrylate	10.54	69	2027	0.321	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	7226	0.981	ug/l #	42
59) 2-Hexanone	10.76	43	110523	24.581	ug/l #	51
74) N-amyl acetate	12.03	43	4998	0.754	ug/l #	46
76) 1,2,3-Trichloropropane	12.40	75	131463	29.414	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	131463	78.790	ug/l #	11

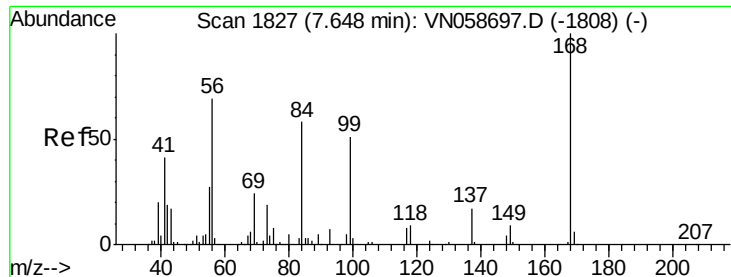
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

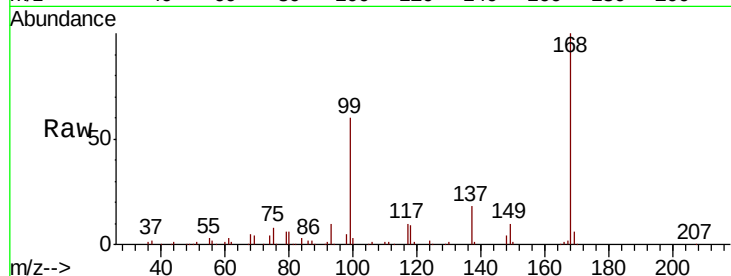
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 367822

Ion Ratio Lower Upper

168 100

99 59.6 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

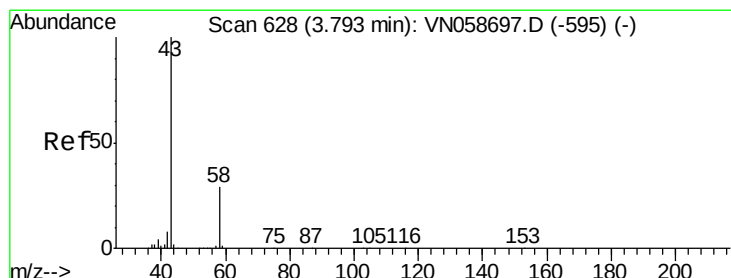
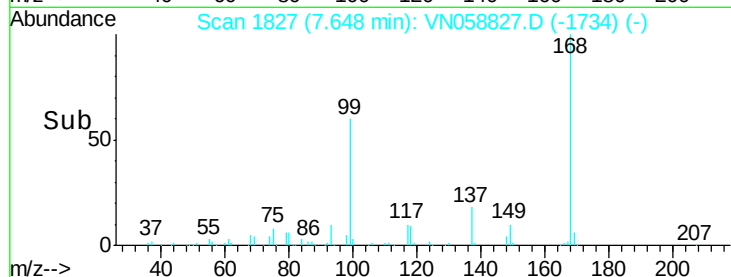
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.460 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058827.D

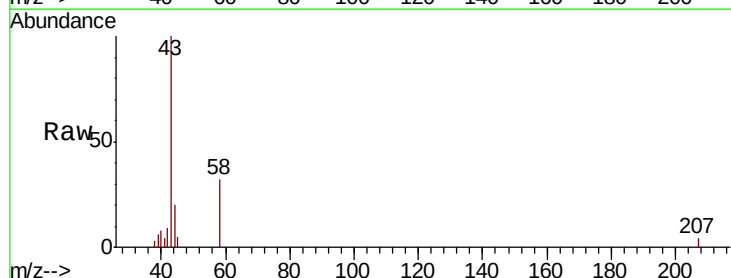
Acq: 17 Oct 2019 15:08

Tgt Ion: 43 Resp: 13771

Ion Ratio Lower Upper

43 100

58 32.0 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.80

6000

5000

4000

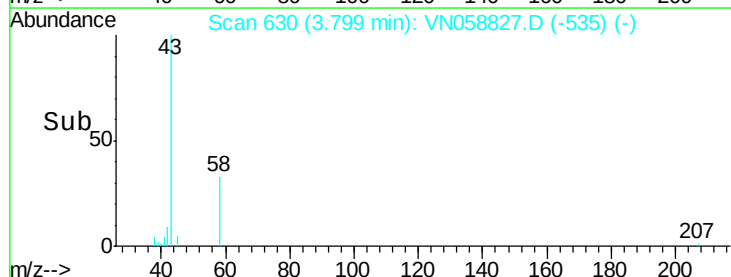
3000

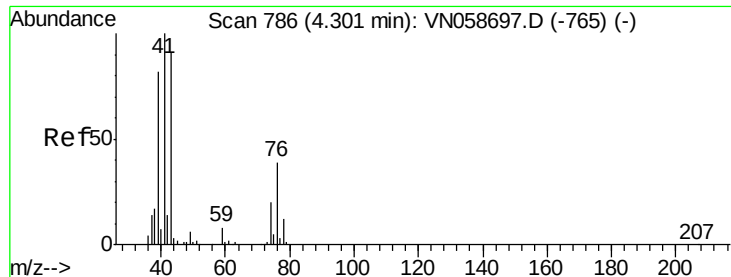
2000

1000

0

Time-->





#18

Methvl Acetate

Concen: 0.951 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.01 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

Instrument :

MSVOA_N

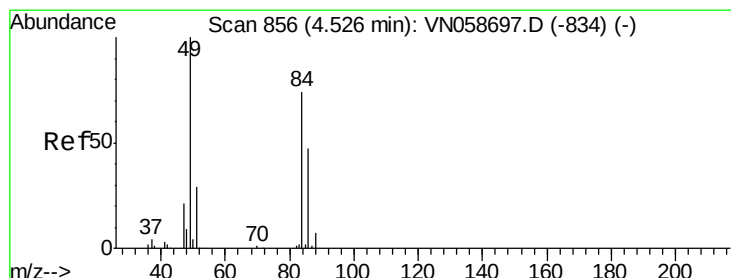
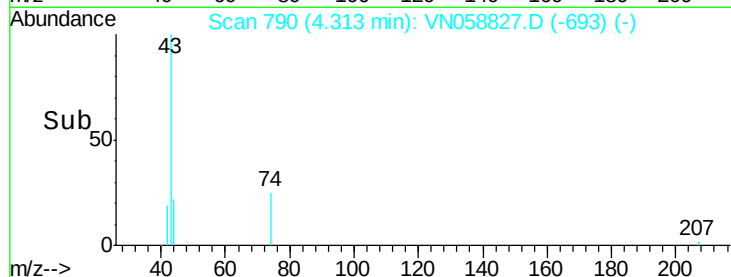
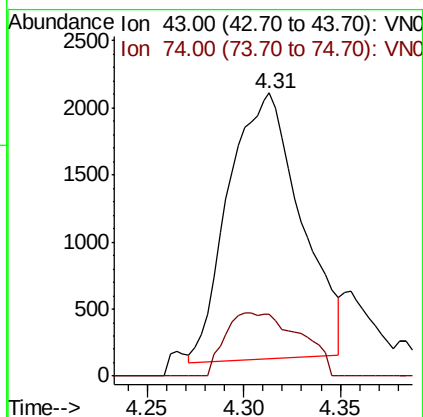
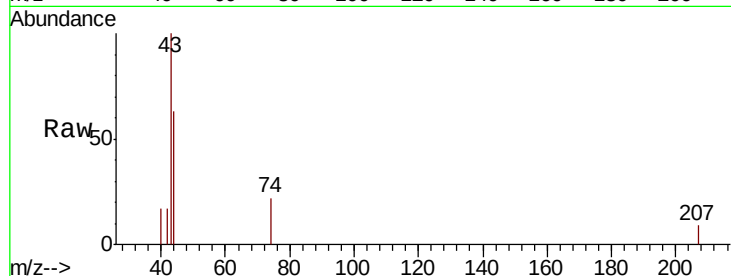
ClientSampleId :

Tot Ion: 43 Resp: 5145

Ion Ratio Lower Upper

43 100

74 24.7 17.2 25.8



#20

Methylene Chloride

Concen: 2.604 ug/l

RT: 4.53 min Scan# 856

Delta R.T. -0.00 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

Tgt Ion: 84 Resp: 11602

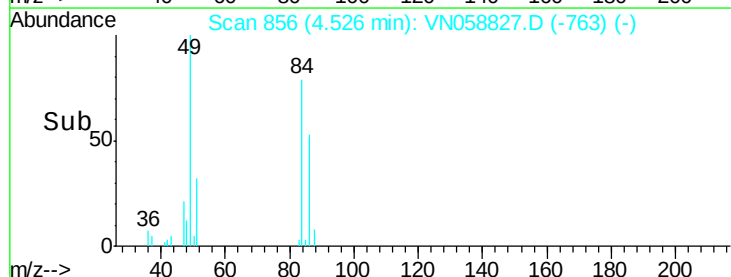
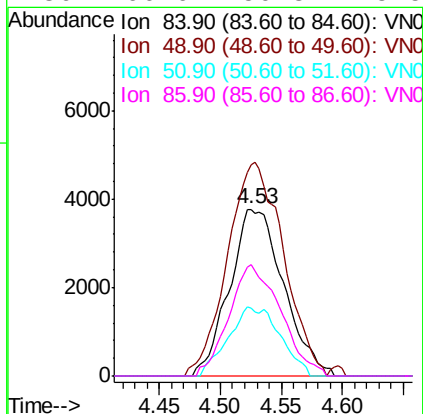
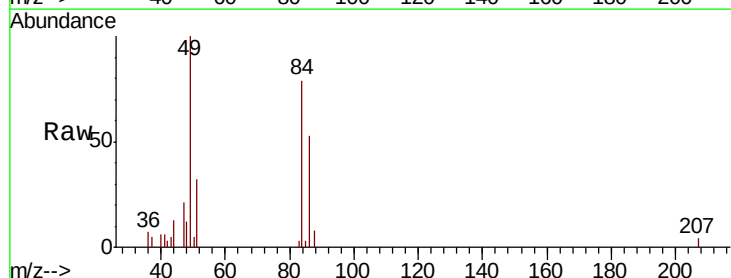
Ion Ratio Lower Upper

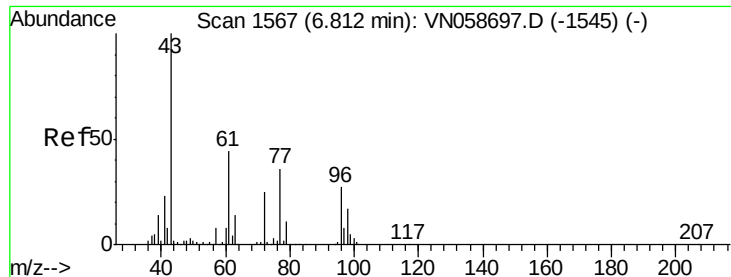
84 100

49 122.2 107.6 161.4

51 40.6 31.4 47.0

86 66.6 50.3 75.5

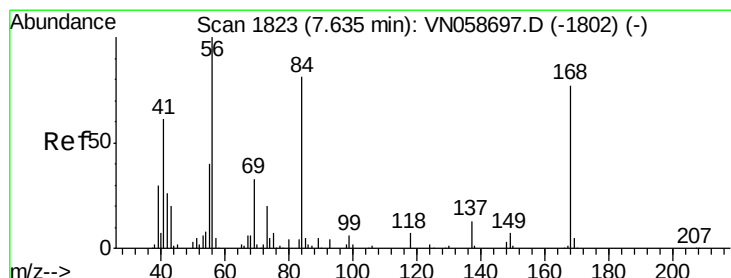
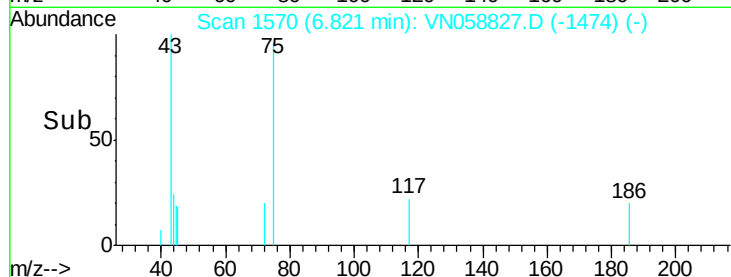
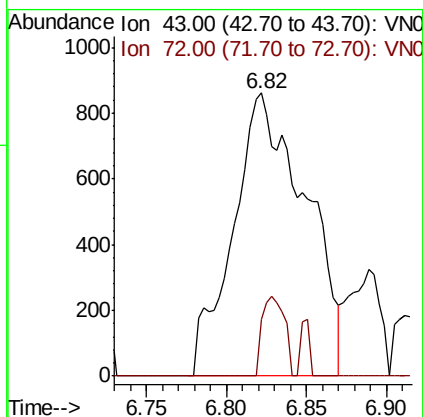
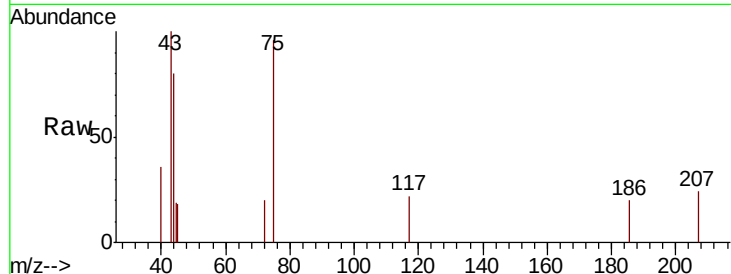




#25
2-Butanone
Concen: 0.872 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN058827.D
Acq: 17 Oct 2019 15:08

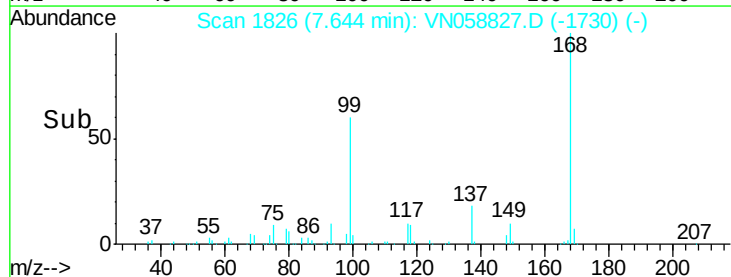
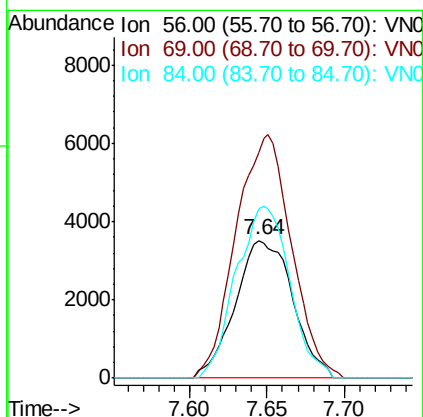
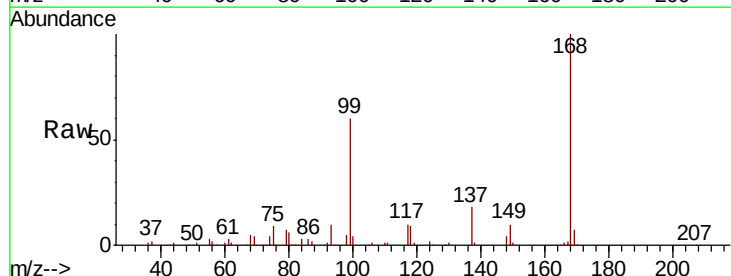
Instrument :
MSVOA_N
ClientSampleId :

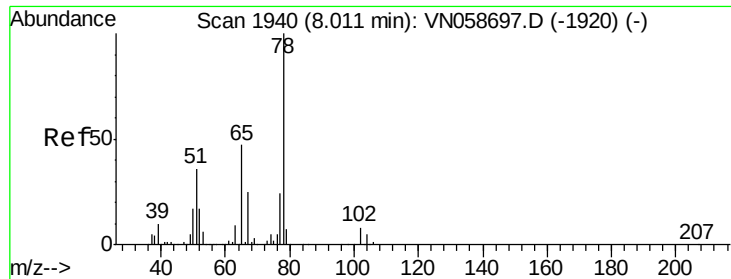
Tot Ion: 43 Resp: 2686
Ion Ratio Lower Upper
43 100
72 20.2 20.2 30.2



#31
Cyclohexane
Concen: 1.202 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058827.D
Acq: 17 Oct 2019 15:08

Tgt Ion: 56 Resp: 9079
Ion Ratio Lower Upper
56 100
69 163.7 26.2 39.4#
84 122.8 64.9 97.3#

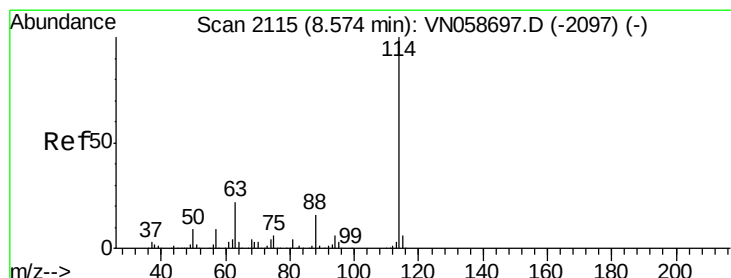
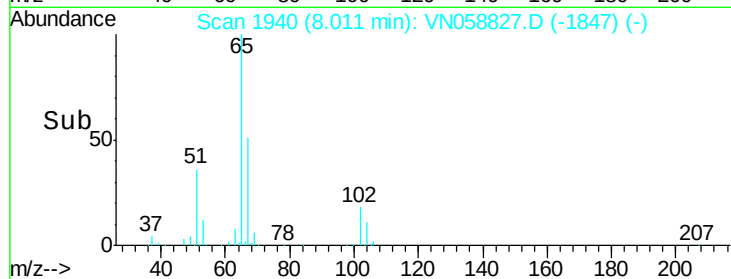
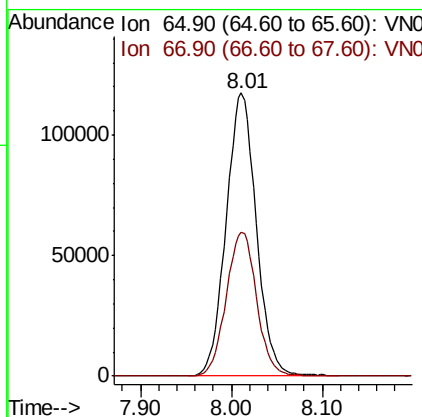
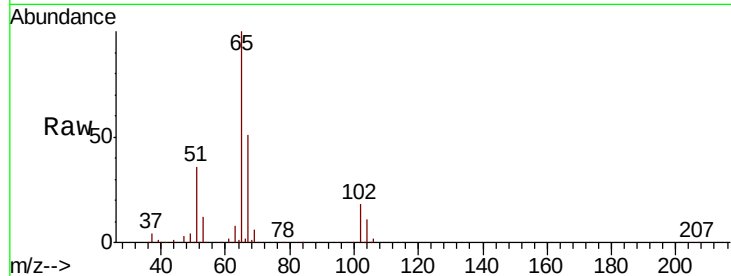




#33
 1,2-Dichloroethane-d4
 Concen: 52.570 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058827.D
 Acq: 17 Oct 2019 15:08

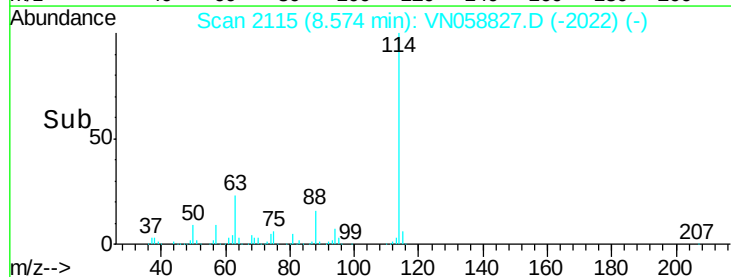
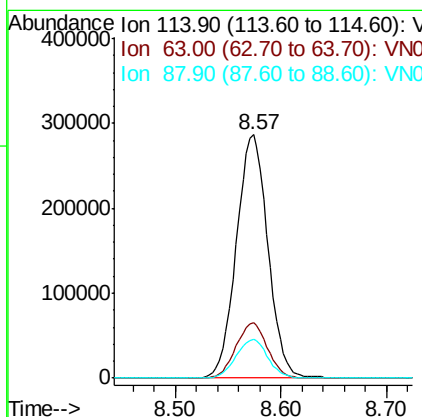
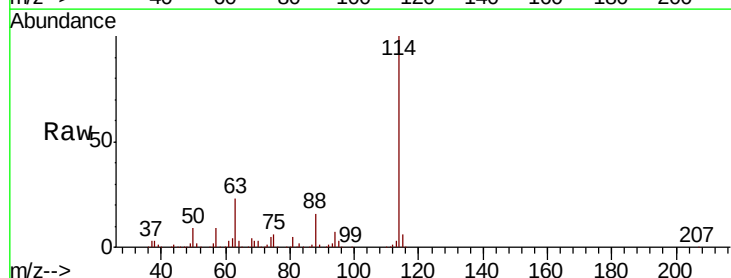
Instrument :
 MSVOA_N
 ClientSampled :

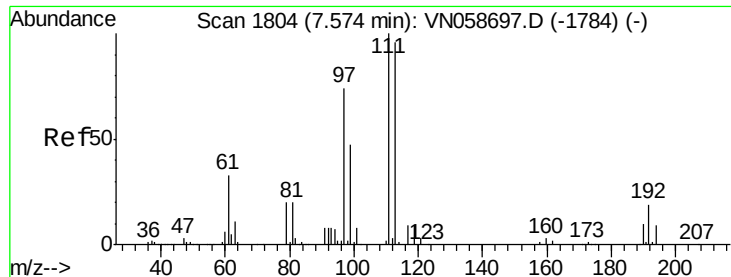
Tot Ion: 65 Resp: 270707
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058827.D
 Acq: 17 Oct 2019 15:08

Tgt Ion: 114 Resp: 594721
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.8
 88 15.8 0.0 32.0

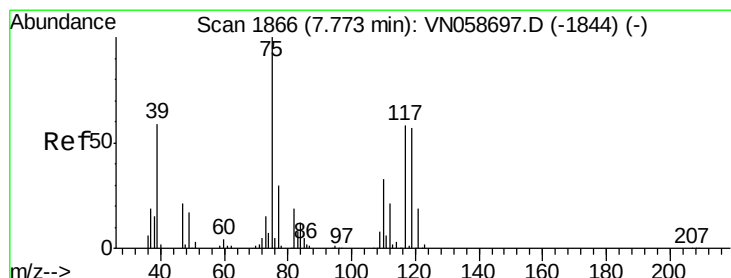
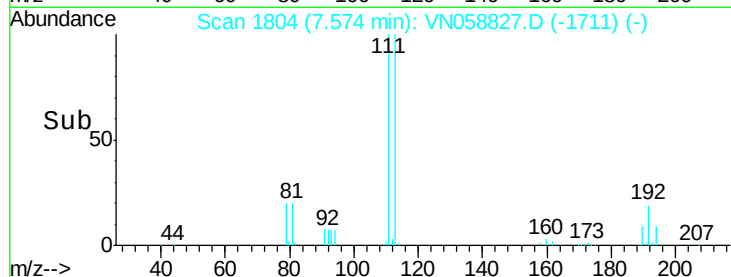
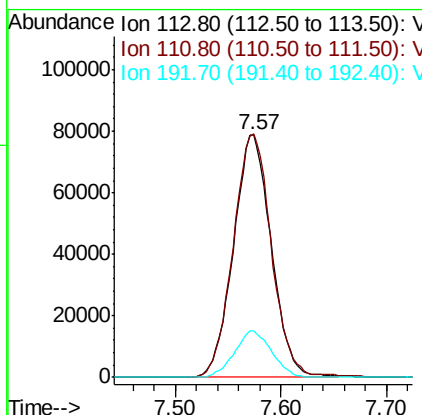
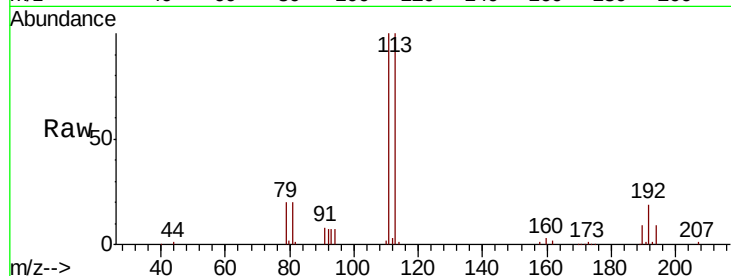




#35
 Dibromofluoromethane
 Concen: 53.295 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058827.D
 Acq: 17 Oct 2019 15:08

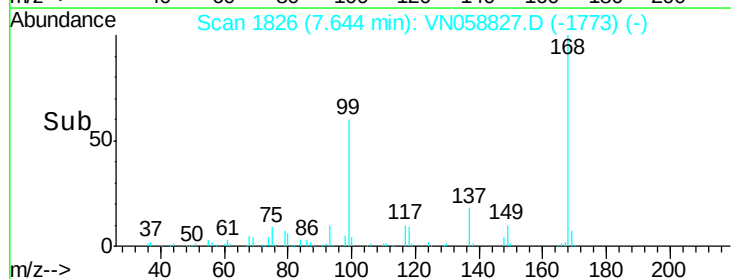
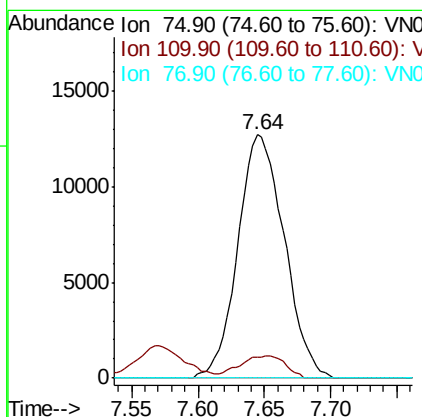
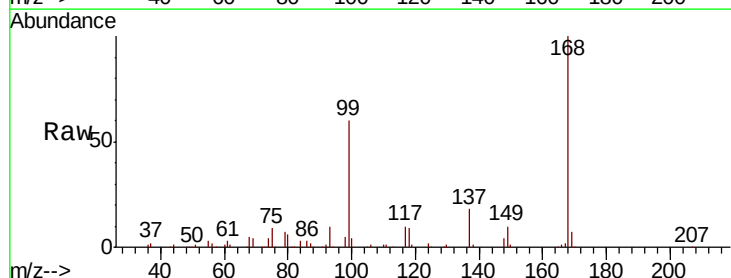
Instrument :
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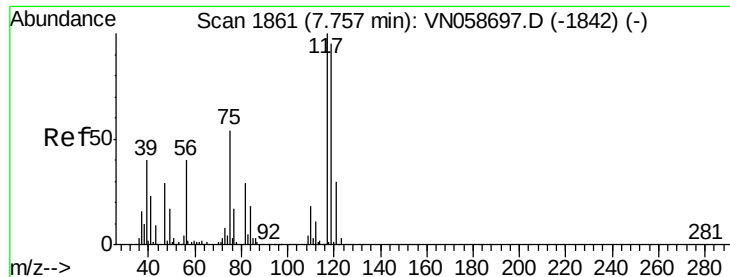
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.3	123.5
192	18.8	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 5.163 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058827.D
 Acq: 17 Oct 2019 15:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.6	49.8#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.343 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

Instrument :

MSVOA_N

ClientSampled :

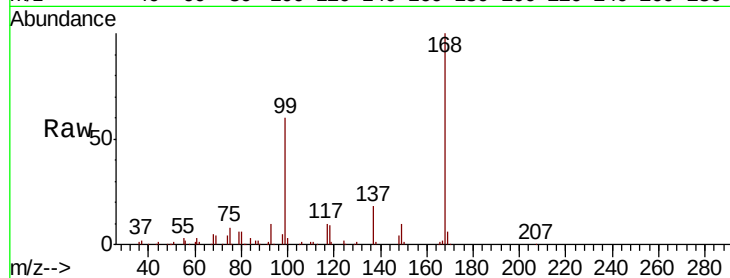
Tot Ion:117 Resp: 37175

Ion Ratio Lower Upper

117 100

119 5.2 75.7 113.5#

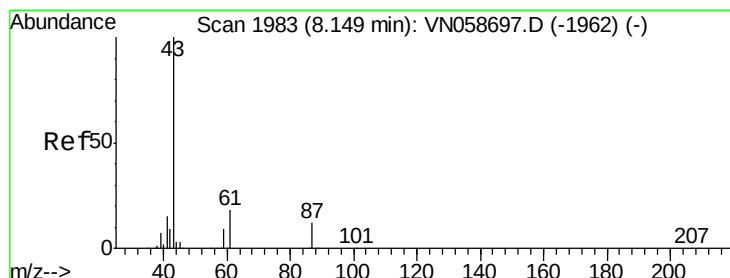
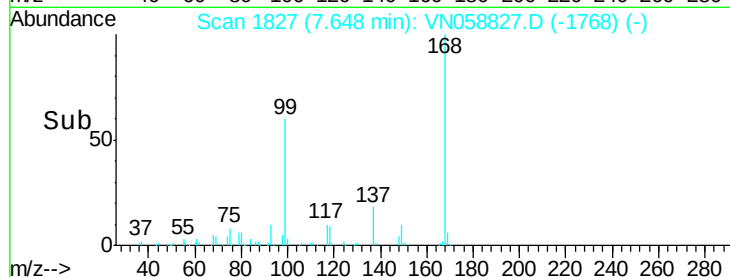
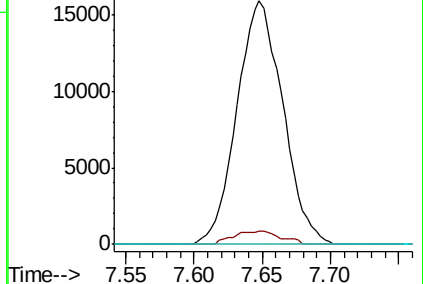
121 0.0 23.9 35.9#



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: 9.958 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

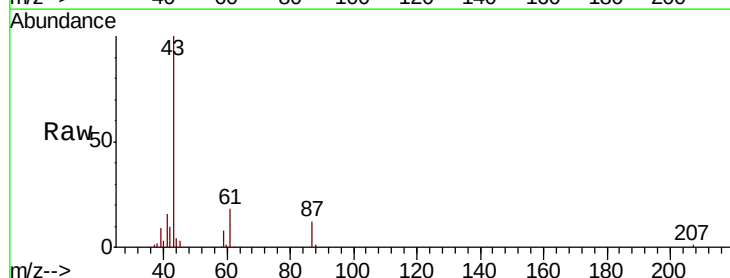
Tgt Ion: 43 Resp: 103163

Ion Ratio Lower Upper

43 100

61 18.4 20.3 30.5#

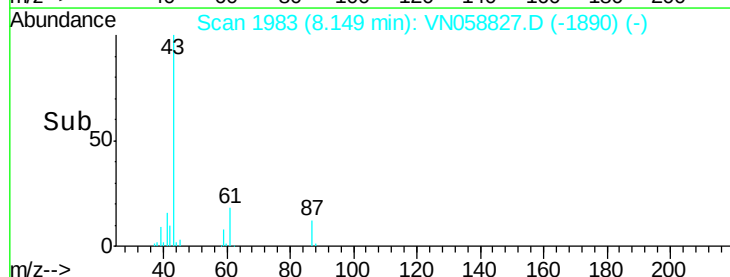
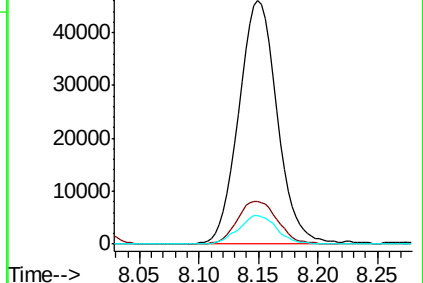
87 11.7 9.8 14.6

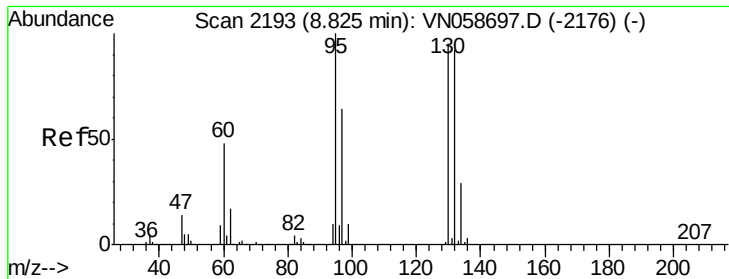


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#44

Trichloroethene

Concen: 0.297 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. 0.01 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

Instrument :

MSVOA_N

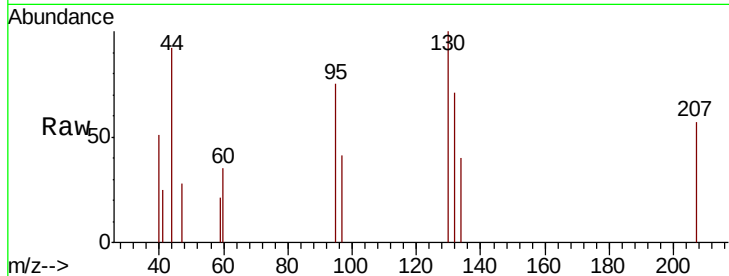
ClientSampleId :

Tot Ion:130 Resp: 1272

Ion Ratio Lower Upper

130 100

95 74.6 0.0 211.2



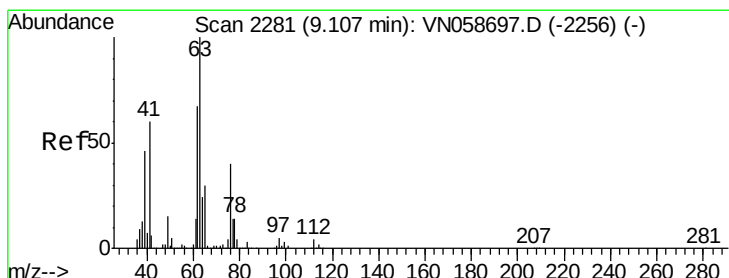
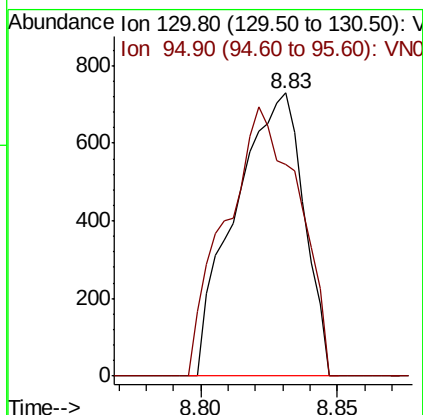
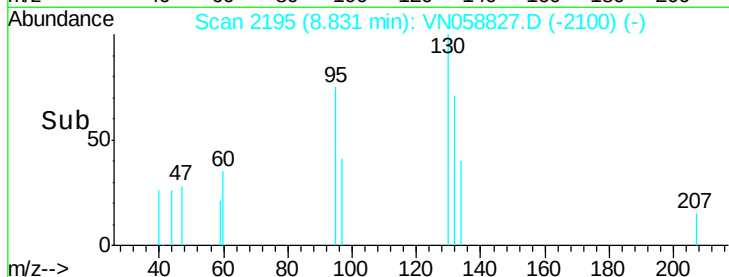
Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

8.83

8.80

8.85



#45

1,2-Dichloropropane

Concen: 0.494 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.15 min

Lab File: VN058827.D

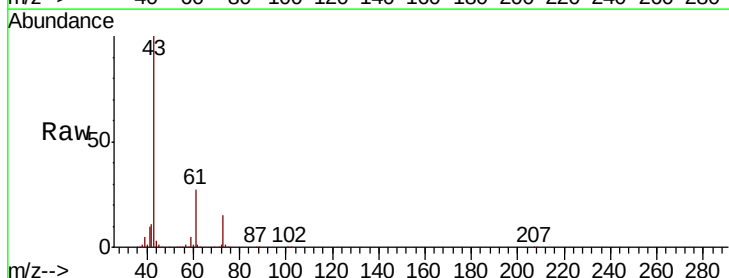
Acq: 17 Oct 2019 15:08

Tgt Ion: 63 Resp: 2283

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



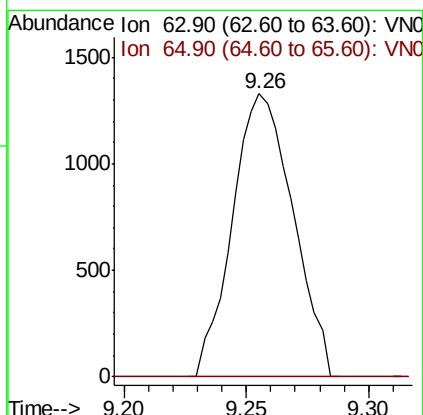
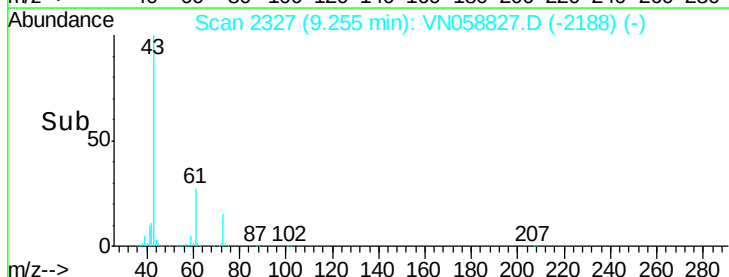
Abundance Ion 62.90 (62.60 to 63.60): VN0

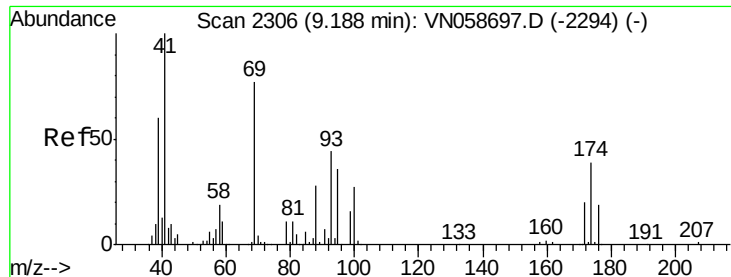
Ion 64.90 (64.60 to 65.60): VN0

9.26

9.20

9.30

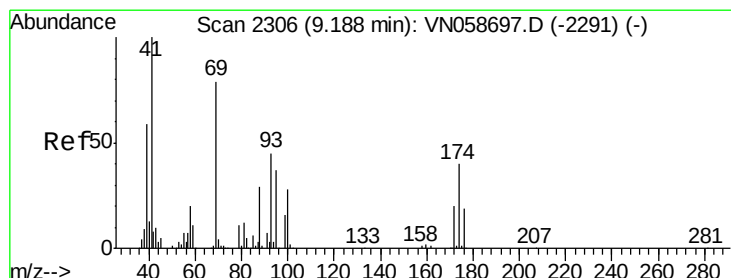
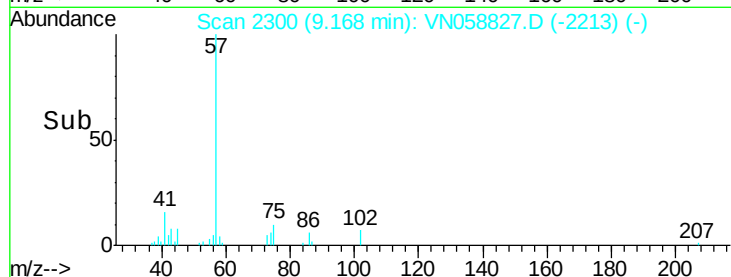
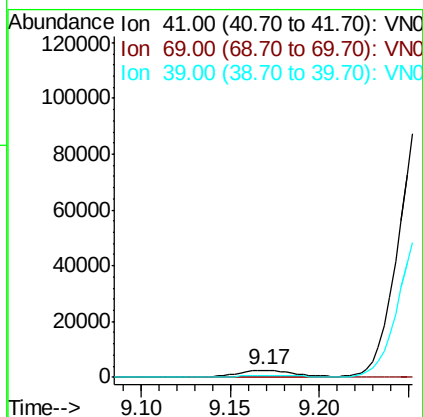
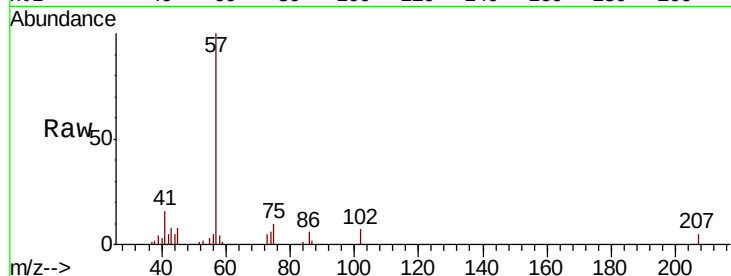




#48
Methvl methacrylate
Concen: 1.221 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.02 min
Lab File: VN058827.D
Acq: 17 Oct 2019 15:08

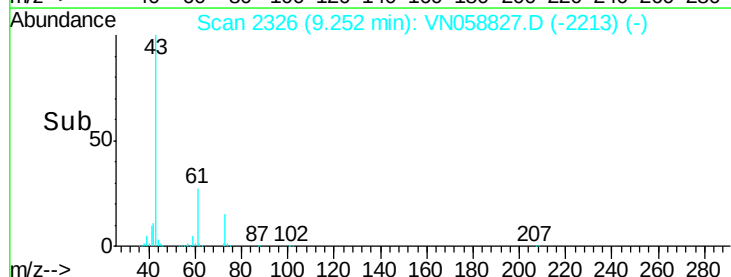
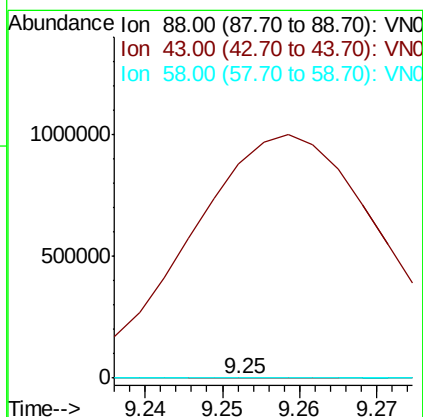
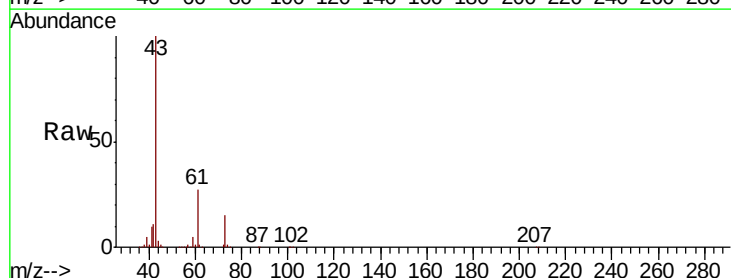
Instrument :
MSVOA_N
ClientSampled :

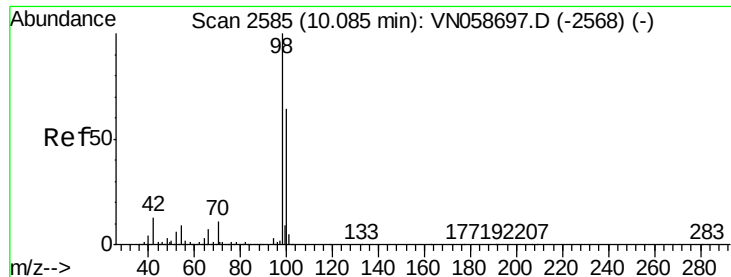
Tot Ion: 41 Resp: 5736
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.2#
39 0.0 48.9 73.3#



#49
1,4-Dioxane
Concen: 1.225 ug/l
RT: 9.25 min Scan# 2326
Delta R.T. 0.06 min
Lab File: VN058827.D
Acq: 17 Oct 2019 15:08

Tgt Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 2057436.0 28.6 43.0#
58 9529.2 57.2 85.8#

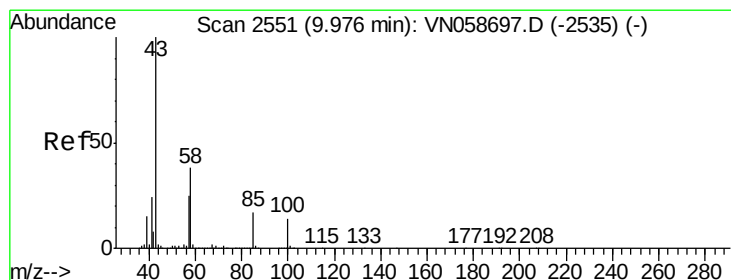
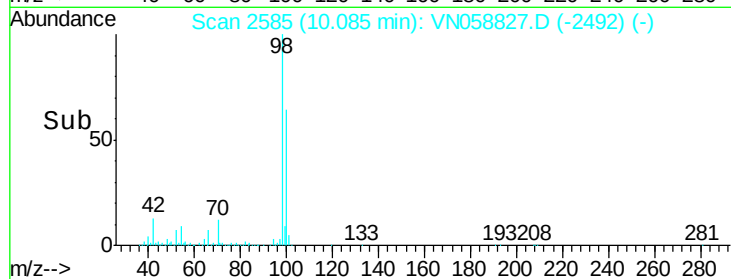
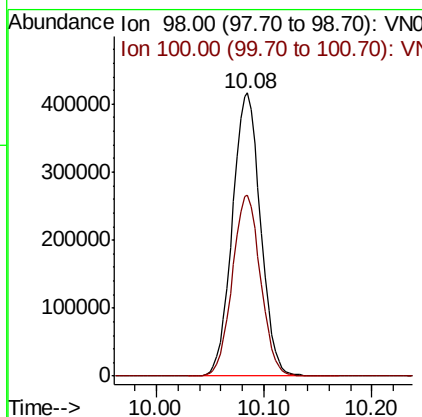
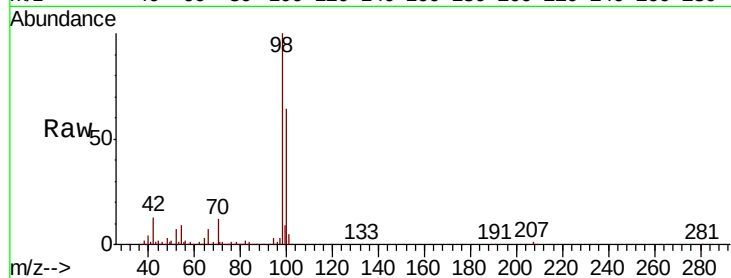




#50
Toluene-d8
Concen: 51.407 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058827.D
Acq: 17 Oct 2019 15:08

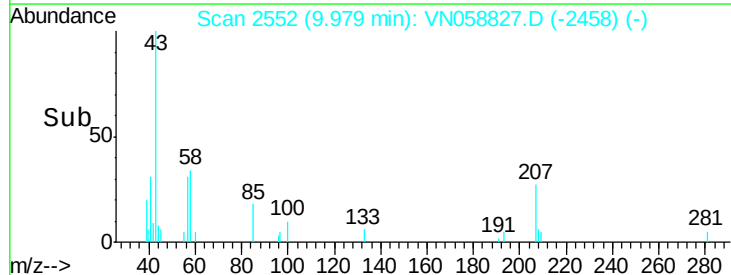
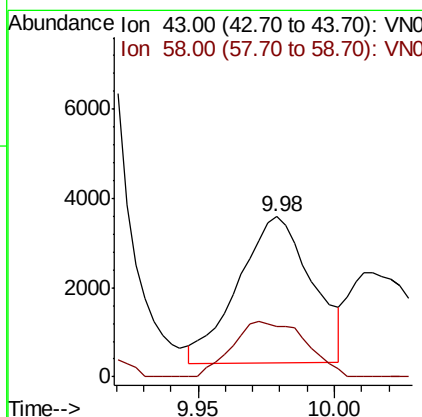
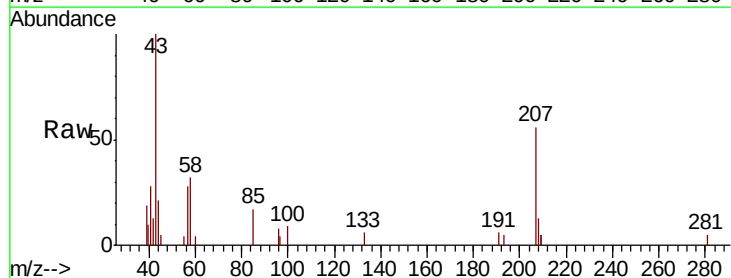
Instrument :
MSVOA_N
ClientSampleId :

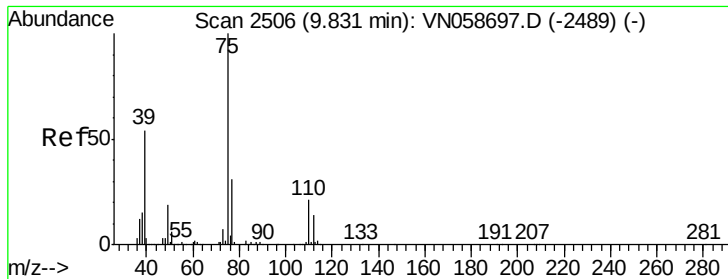
Tot Ion: 98 Resp: 755155
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 1.060 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058827.D
Acq: 17 Oct 2019 15:08

Tgt Ion: 43 Resp: 6169
Ion Ratio Lower Upper
43 100
58 37.8 30.3 45.5



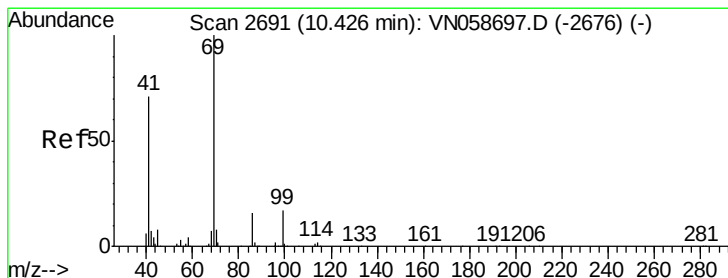
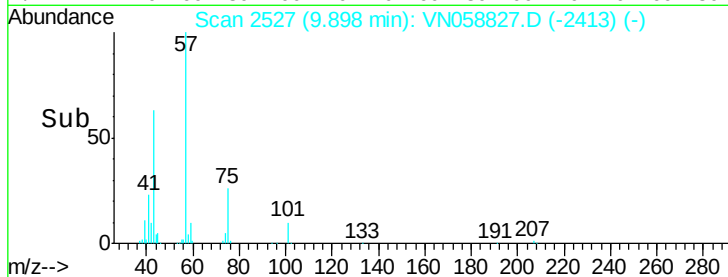
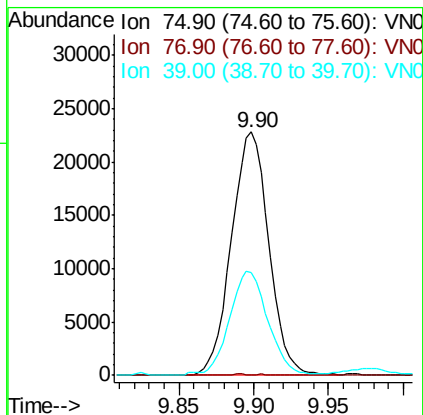
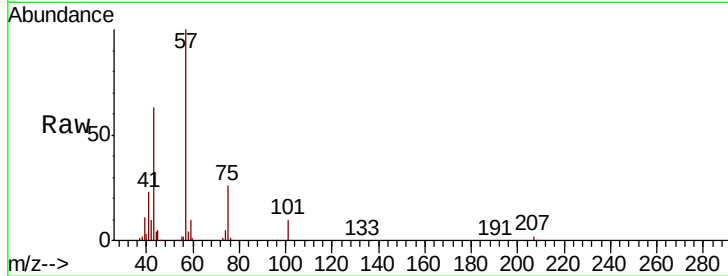


#54

cis-1,3-Dichloropropene
 Concen: 5.472 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.07 min
 Lab File: VN058827.D
 Acq: 17 Oct 2019 15:08

Instrument :
 MSVOA_N
 ClientSampleId :

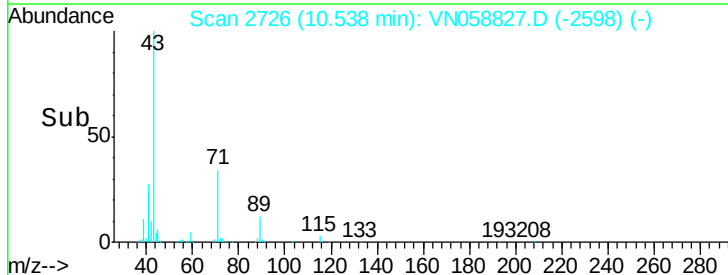
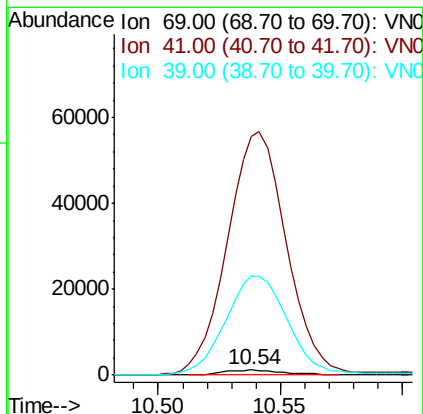
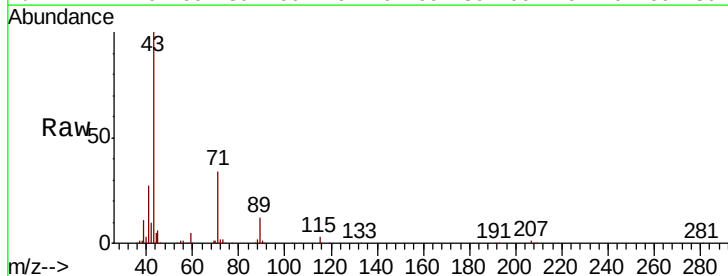
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	24.4	36.6#
39	41.3	43.1	64.7#

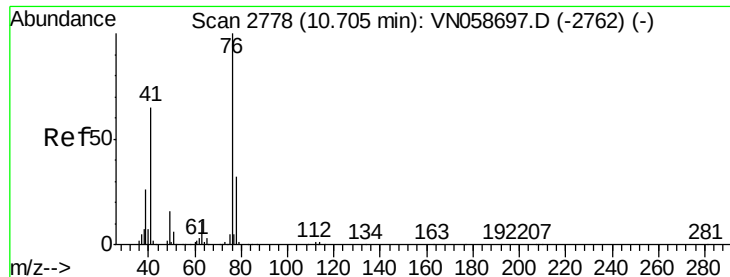


#56

Ethyl methacrylate
 Concen: 0.321 ug/l
 RT: 10.54 min Scan# 2726
 Delta R.T. 0.11 min
 Lab File: VN058827.D
 Acq: 17 Oct 2019 15:08

Tgt Ion	Ratio	Lower	Upper
69	100		
41	4716.5	56.8	85.2#
39	2028.4	32.5	48.7#





#57

1,3-Dichloropropane

Concen: 0.981 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

Instrument :

MSVOA_N

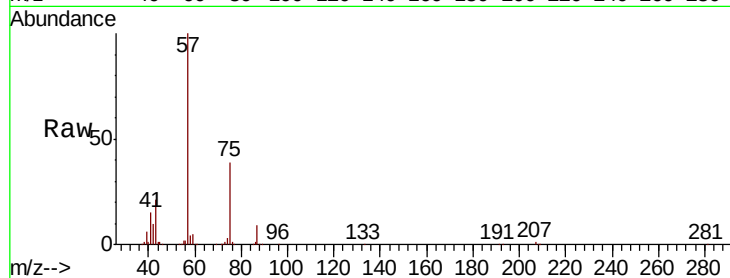
ClientSampled :

Tot Ion: 76 Resp: 7226

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.76

5000

4000

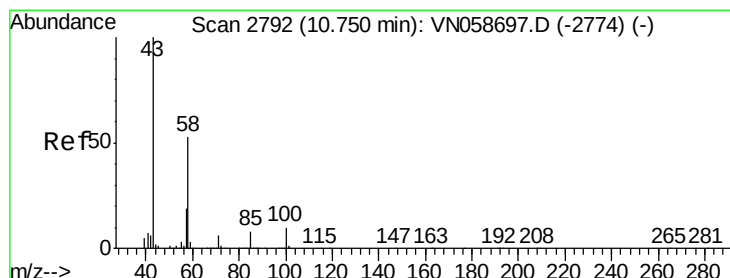
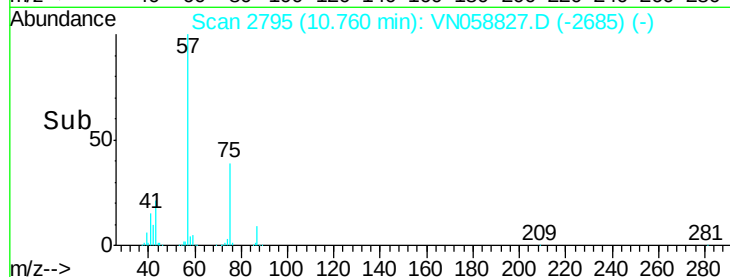
3000

2000

1000

0

Time--> 10.70 10.75 10.80



#59

2-Hexanone

Concen: 24.581 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN058827.D

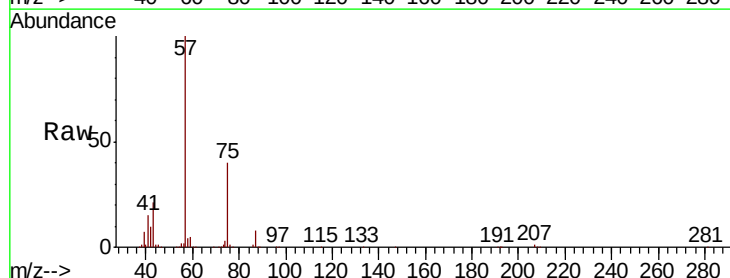
Acq: 17 Oct 2019 15:08

Tgt Ion: 43 Resp: 110523

Ion Ratio Lower Upper

43 100

58 17.9 26.1 78.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.76

80000

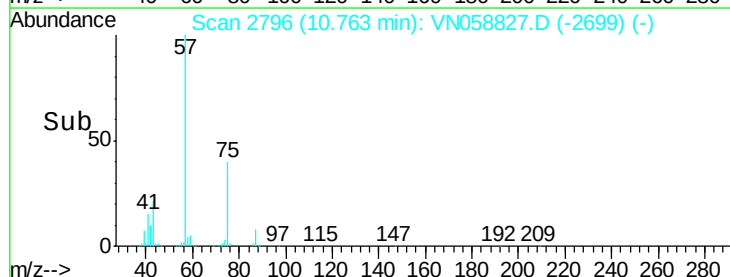
60000

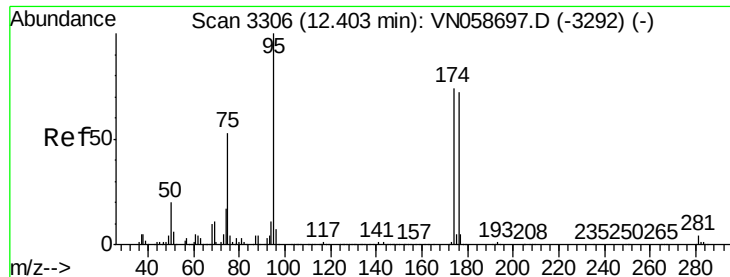
40000

20000

0

Time--> 10.70 10.75 10.80

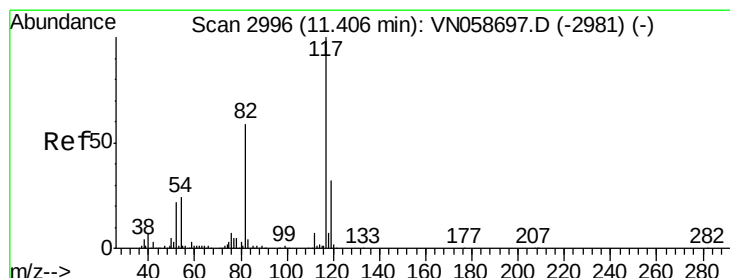
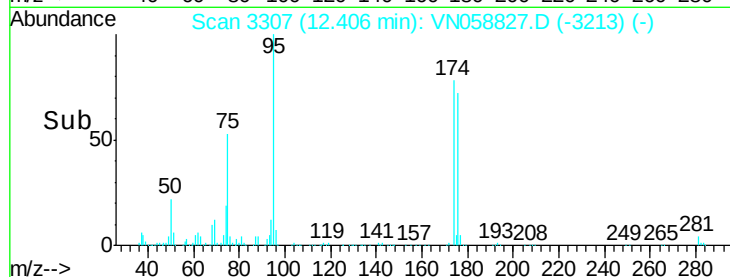
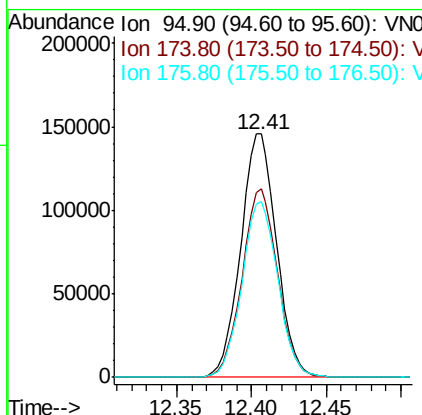
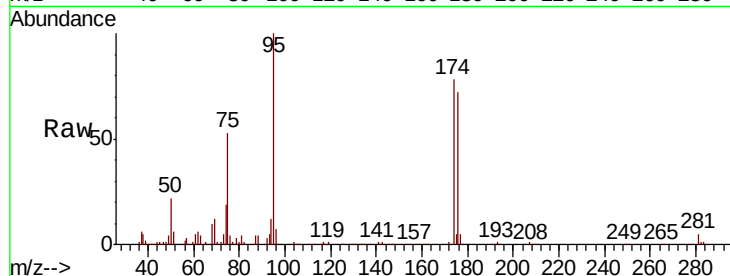




#62
4-Bromofluorobenzene
Concen: 43.701 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058827.D
Acq: 17 Oct 2019 15:08

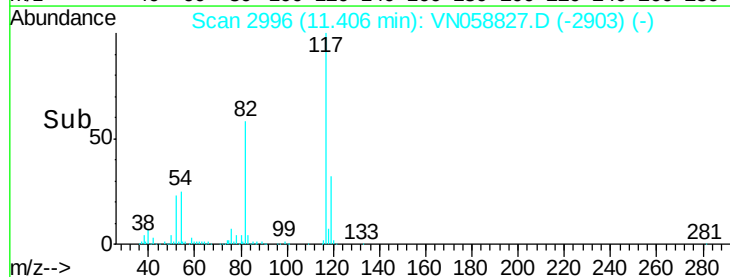
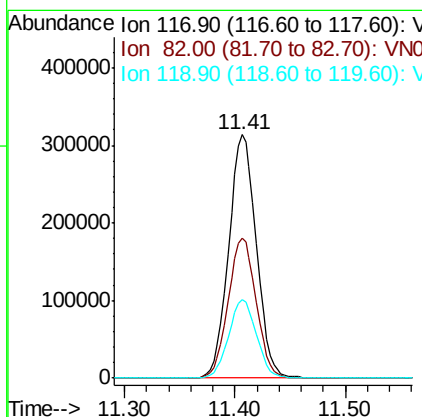
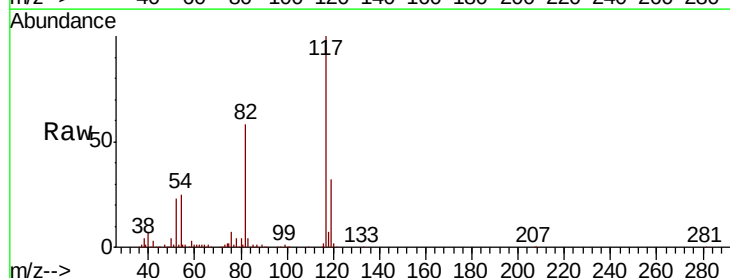
Instrument :
MSVOA_N
ClientSampleId :

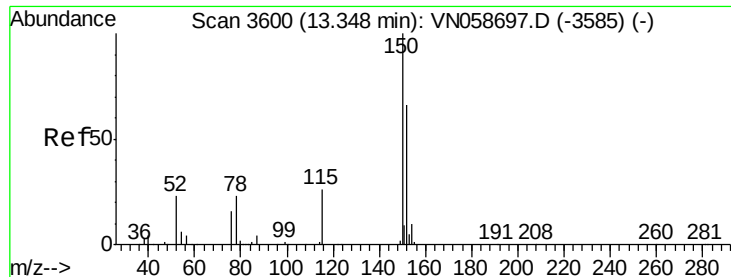
Tot Ion	95	Resp	242997
Ion Ratio	Lower	Upper	
95	100		
174	76.7	0.0	150.4
176	72.7	0.0	146.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058827.D
Acq: 17 Oct 2019 15:08

Tgt Ion	117	Resp	543718
Ion Ratio	Lower	Upper	
117	100		
82	57.6	47.0	70.4
119	32.3	25.4	38.2

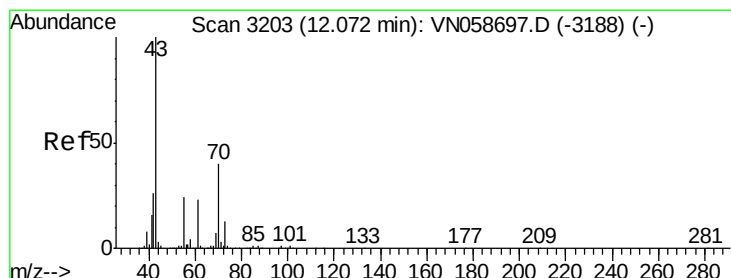
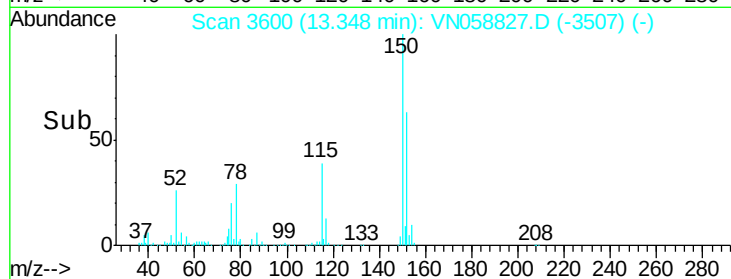
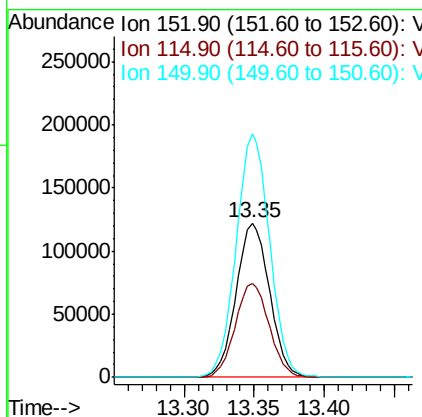
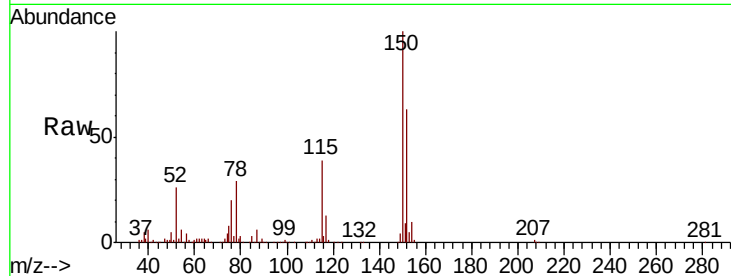




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VN058827.D
 Acq: 17 Oct 2019 15:08

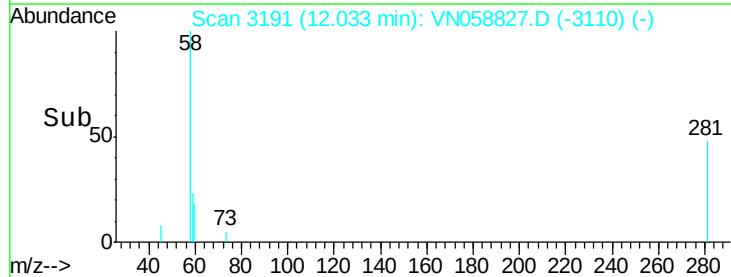
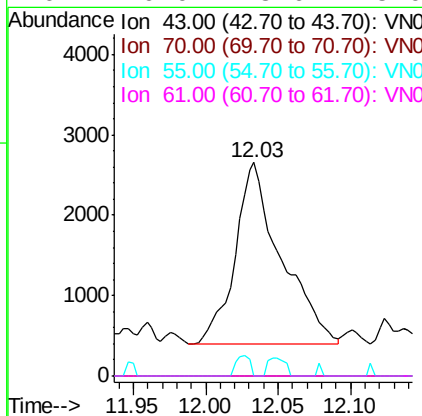
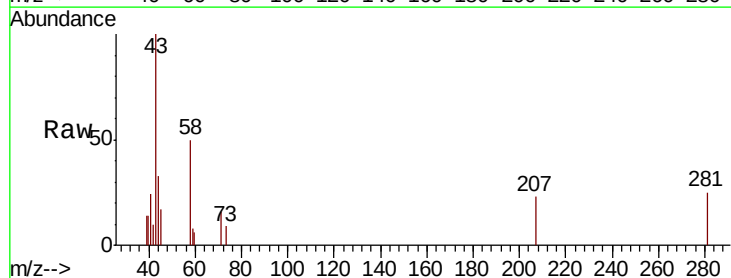
Instrument :
 MSVOA_N
 ClientSampled :

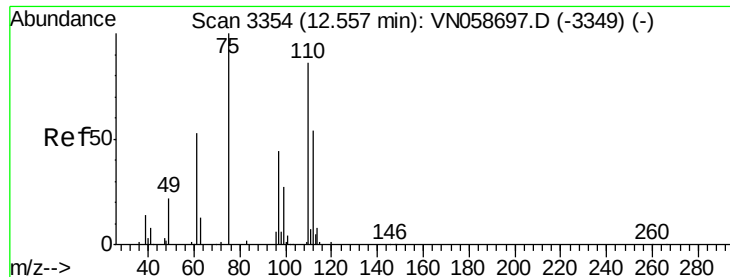
Tot Ion	Ratio	Lower	Upper
152	100		
115	61.5	30.4	91.2
150	157.5	0.0	345.4



#74
 N-ethyl acetate
 Concen: 0.754 ug/l
 RT: 12.03 min Scan# 3191
 Delta R.T. -0.04 min
 Lab File: VN058827.D
 Acq: 17 Oct 2019 15:08

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.2	48.4#
55	3.3	19.6	29.4#
61	0.0	18.6	28.0#





#76

1,2,3-Trichloropropane

Concen: 29.414 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

Instrument :

MSVOA_N

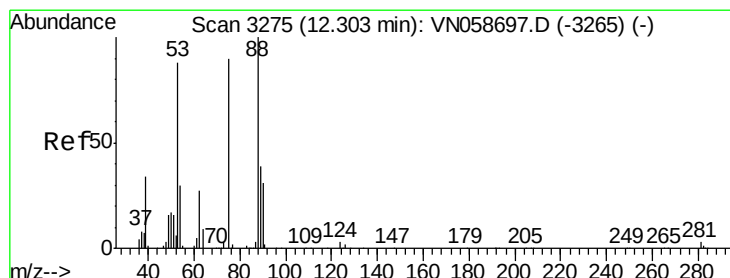
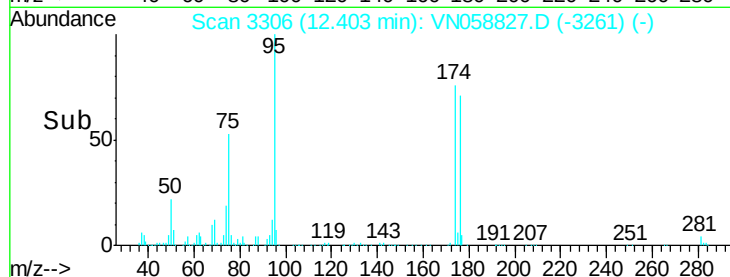
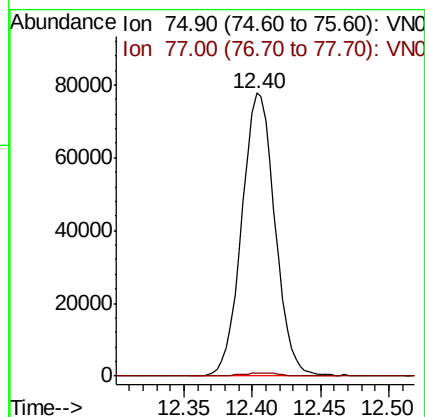
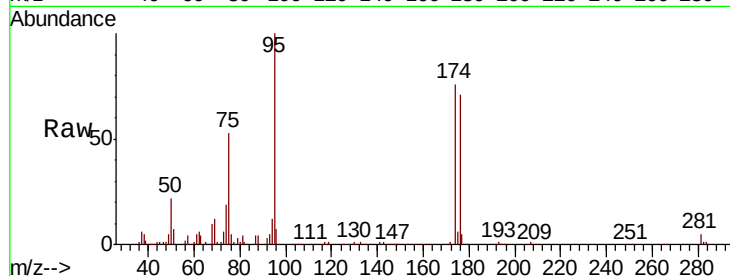
ClientSampleId :

Tot Ion: 75 Resp: 131463

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.790 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

Tgt Ion: 75 Resp: 131463

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

89 0.0 34.9 52.3#

