

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103119\
 Data File : VN059031.D
 Acq On : 31 Oct 2019 12:04
 Operator : JC/SP
 Sample : K5143-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 01:09:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	409838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	638687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	583672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	215309	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	275848	45.89	ug/l	0.00
Spiked Amount			Recovery	=	91.78%	
35) Dibromofluoromethane	7.57	113	205510	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
50) Toluene-d8	10.08	98	812735	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.41	95	265766	44.40	ug/l	0.00
Spiked Amount			Recovery	=	88.80%	

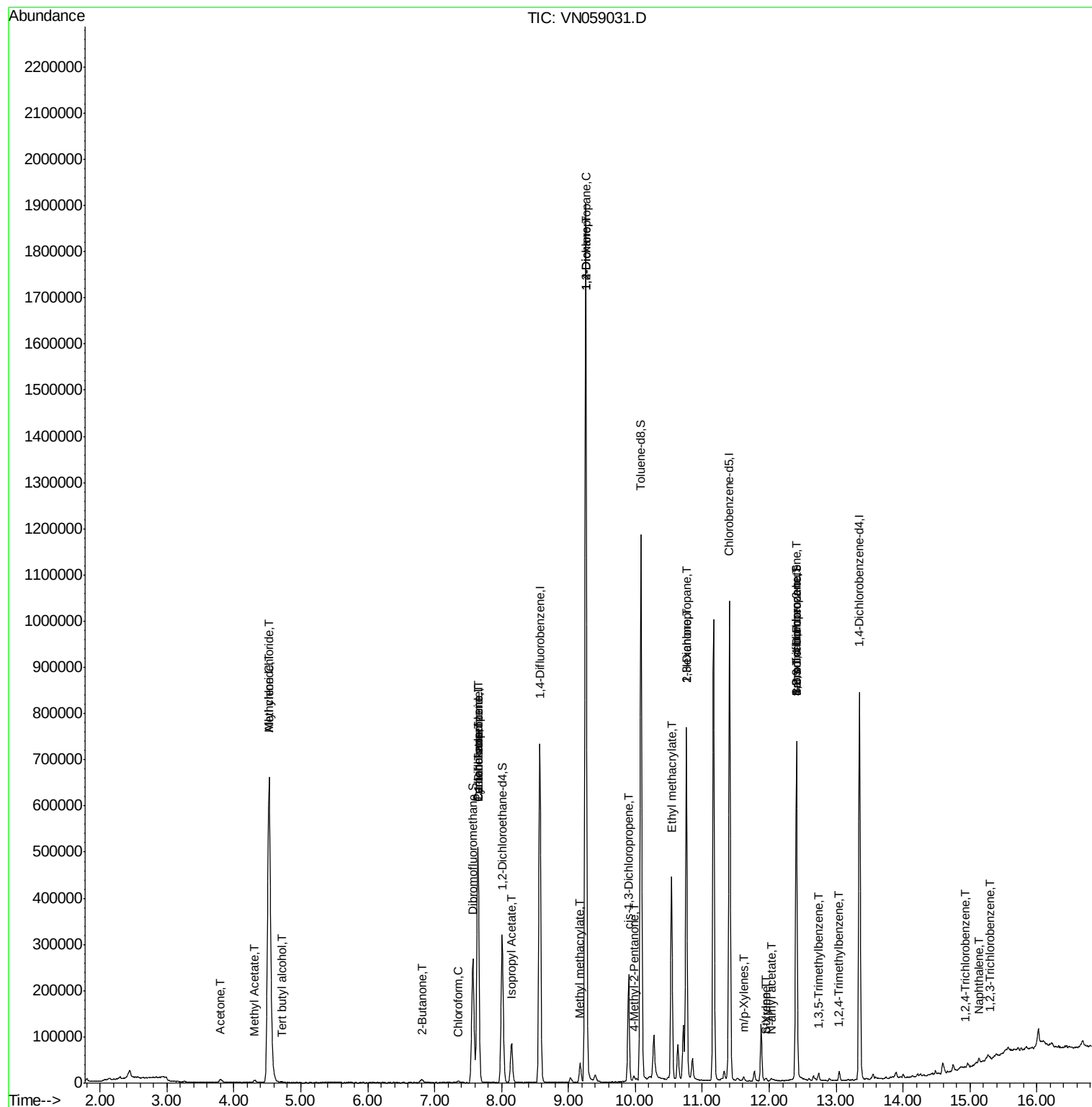
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	838	0.840	ug/l #	72
14) Allyl chloride	4.53	41	20754	2.539	ug/l #	25
16) Acetone	3.80	43	13582	4.573	ug/l	100
18) Methyl Acetate	4.31	43	9154	1.356	ug/l #	74
20) Methylene Chloride	4.53	84	522072	102.937	ug/l	97
25) 2-Butanone	6.82	43	970	0.252	ug/l #	51
30) Chloroform	7.36	83	3781	0.407	ug/l #	72
31) Cyclohexane	7.65	56	8914	1.032	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	32204	4.925	ug/l #	51
38) Carbon Tetrachloride	7.65	117	40535	6.017	ug/l #	17
43) Isopropyl Acetate	8.15	43	101750	8.905	ug/l #	93
45) 1,2-Dichloropropane	9.26	63	2217	0.421	ug/l #	44
48) Methyl methacrylate	9.17	41	6537	1.261	ug/l #	14
49) 1,4-Dioxane	9.26	88	101	1.187	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	7088	1.062	ug/l	91
54) cis-1,3-Dichloropropene	9.90	75	40400	4.979	ug/l #	62
56) Ethyl methacrylate	10.53	69	1969	2.337	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	7466	0.907	ug/l #	44
59) 2-Hexanone	10.76	43	113858	22.077	ug/l #	54
68) m/p-Xylenes	11.62	106	2693	0.348	ug/l	98
69) o-Xylene	11.95	106	1608	0.218	ug/l	98
70) Styrene	11.96	104	558	1.753	ug/l #	37
71) Bromoform	12.40	173	1499	0.431	ug/l #	1
74) N-amyl acetate	12.03	43	4169	0.584	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	134145	26.883	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	8080	0.611	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	134145	70.031	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.04	105	11012	0.844	ug/l	97
93) 1,2,4-Trichlorobenzene	14.92	180	465	2.623	ug/l #	2
95) Naphthalene	15.13	128	8688	2.898	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.30	180	685	2.551	ug/l	69

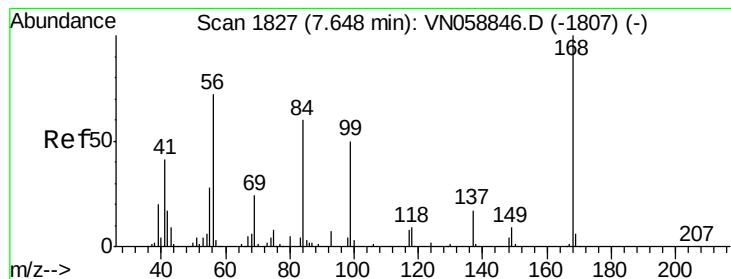
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN059031.D

Acq: 31 Oct 2019 12:04

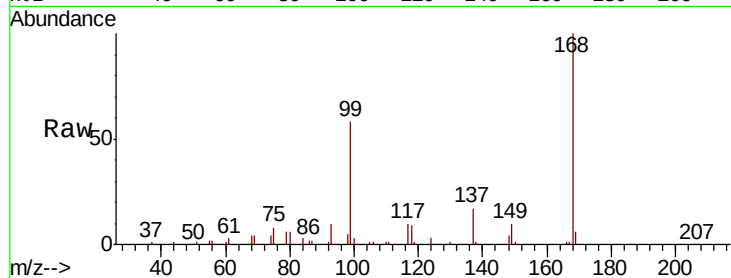
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 409838

Ion Ratio Lower Upper

168 100

99 58.1 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

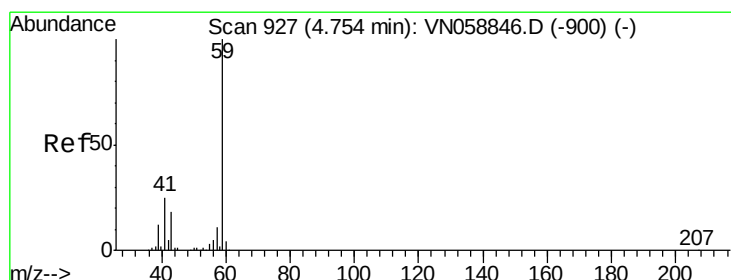
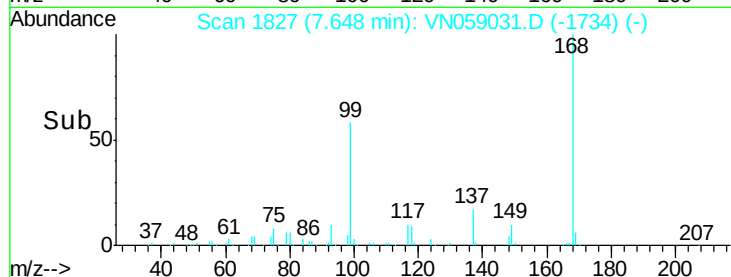
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.840 ug/l

RT: 4.72 min Scan# 917

Delta R.T. -0.03 min

Lab File: VN059031.D

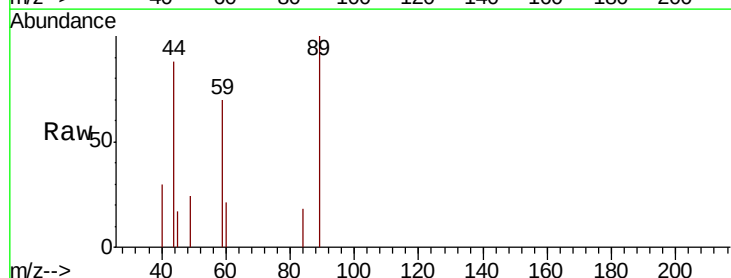
Acq: 31 Oct 2019 12:04

Tgt Ion: 59 Resp: 838

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.72

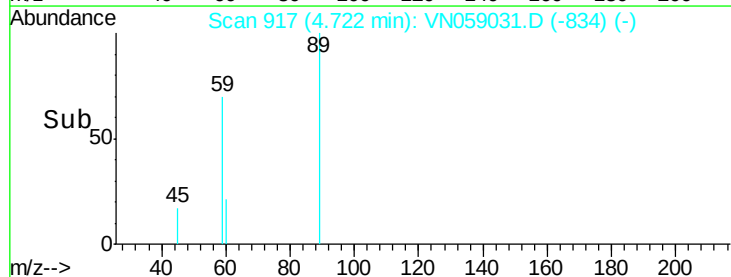
600

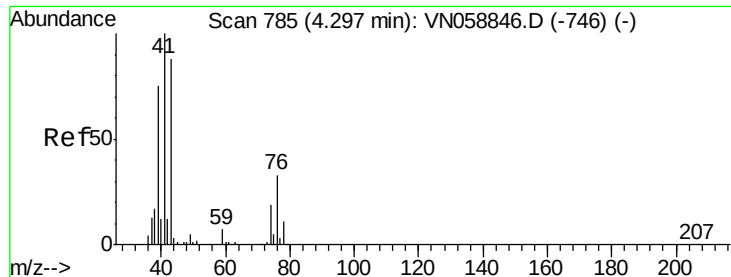
400

200

0

Time-->

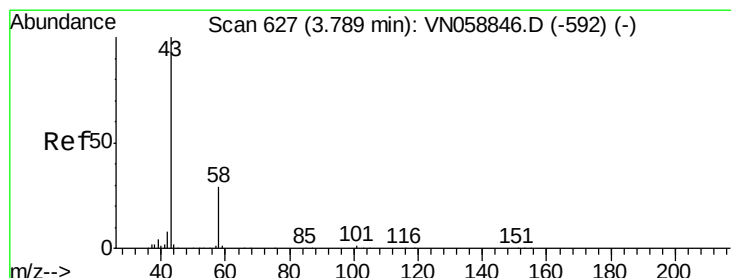
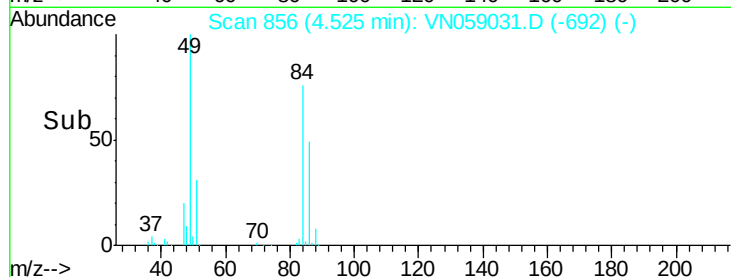
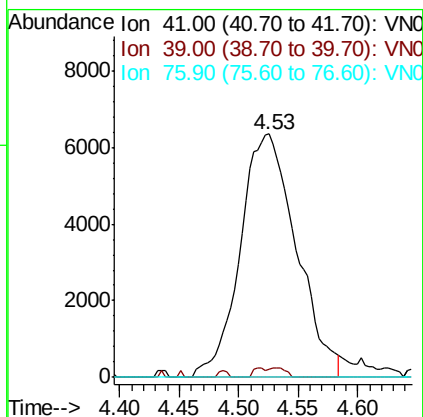
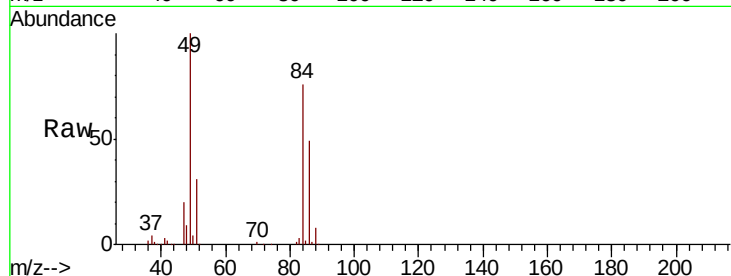




#14
Allvl chloride
Concen: 2.539 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.23 min
Lab File: VN059031.D
Acq: 31 Oct 2019 12:04

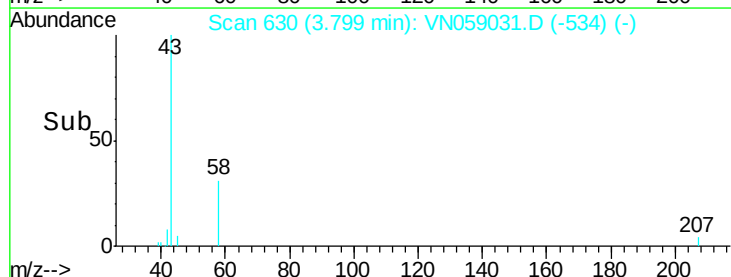
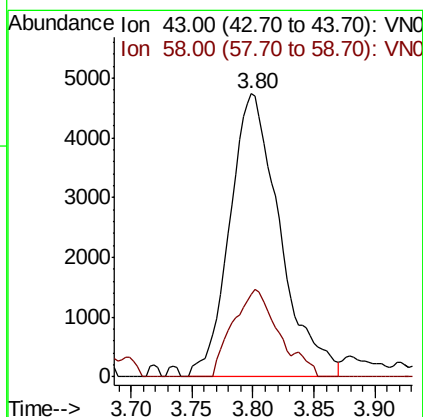
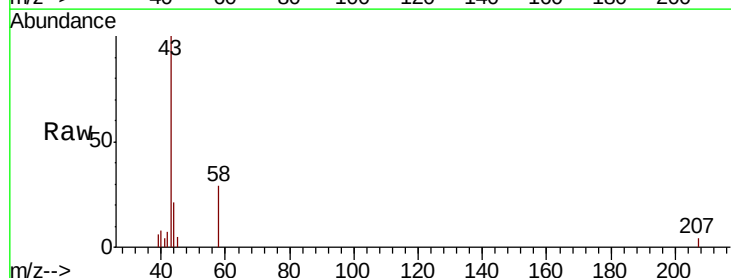
Instrument :
MSVOA_N
ClientSampleId :

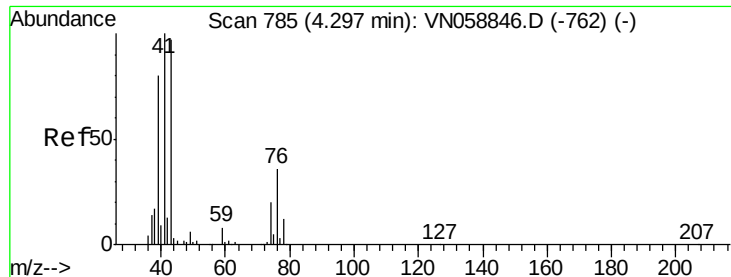
Tot Ion	41	Resp	20754
Ion Ratio	Lower	Upper	
41	100		
39	1.0	55.9	83.9#
76	0.0	24.1	36.1#



#16
Acetone
Concen: 4.573 ug/l
RT: 3.80 min Scan# 630
Delta R.T. 0.01 min
Lab File: VN059031.D
Acq: 31 Oct 2019 12:04

Tgt Ion	43	Resp	13582
Ion Ratio	Lower	Upper	
43	100		
58	29.1	23.1	34.7

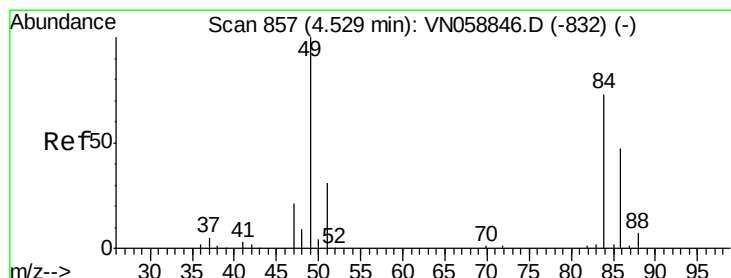
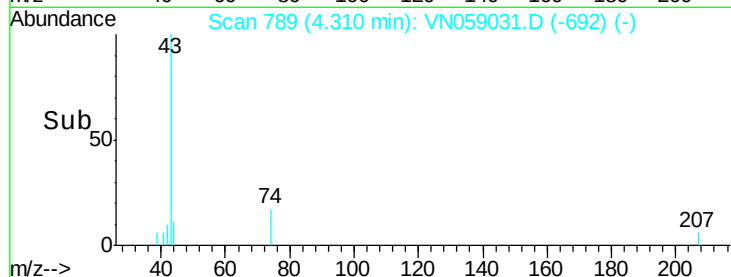
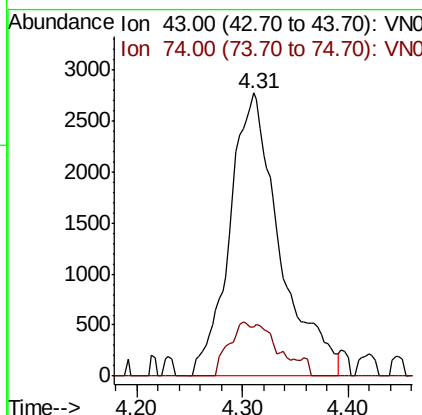
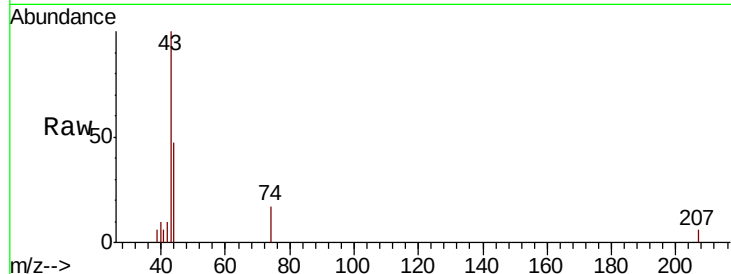




#18
Methyl Acetate
Concen: 1.356 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN059031.D
Acq: 31 Oct 2019 12:04

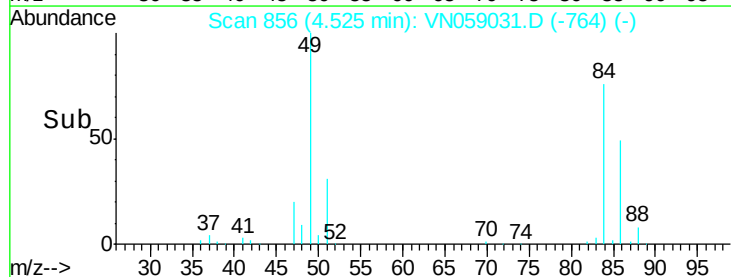
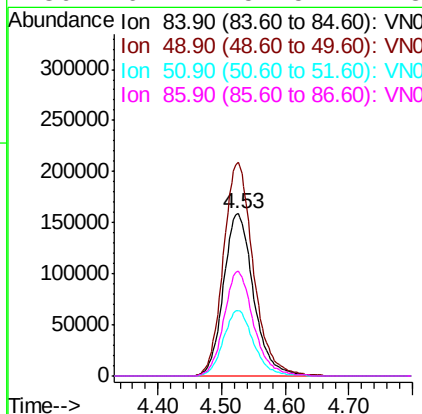
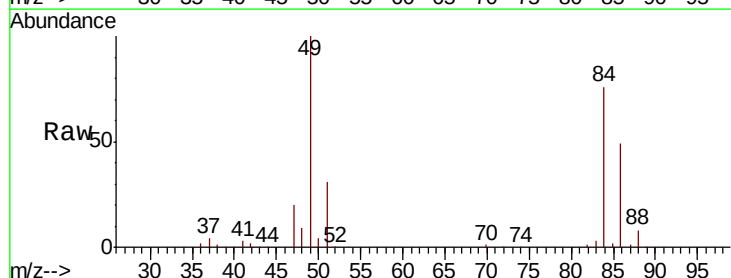
Instrument :
MSVOA_N
ClientSampleId :

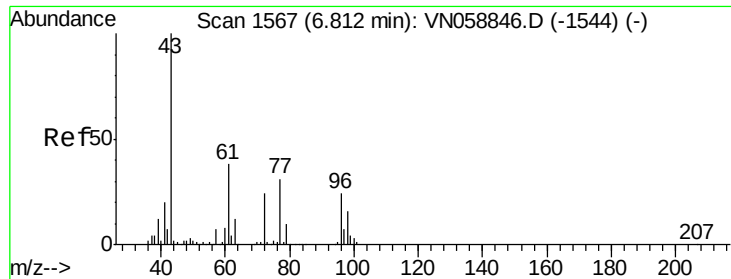
Tot Ion: 43 Resp: 9154
Ion Ratio Lower Upper
43 100
74 9.1 17.1 25.7#



#20
Methylene Chloride
Concen: 102.937 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN059031.D
Acq: 31 Oct 2019 12:04

Tgt Ion: 84 Resp: 522072
Ion Ratio Lower Upper
84 100
49 131.5 109.6 164.4
51 40.3 33.8 50.6
86 64.4 51.5 77.3

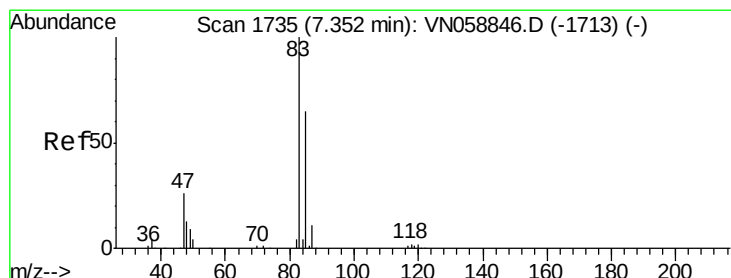
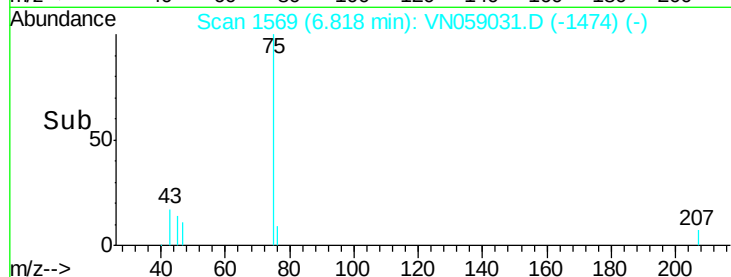
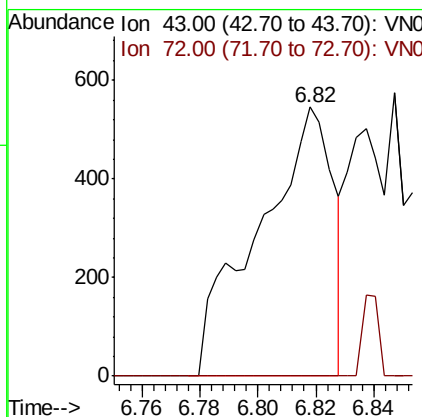
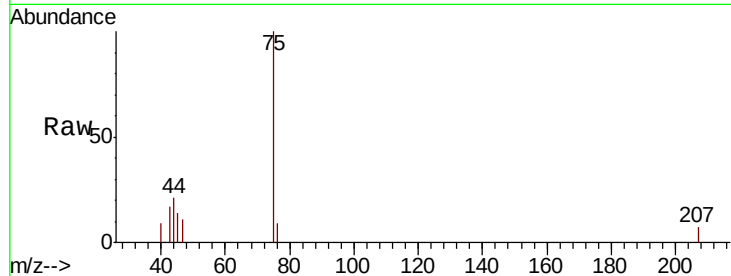




#25
2-Butanone
Concen: 0.252 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN059031.D
Acq: 31 Oct 2019 12:04

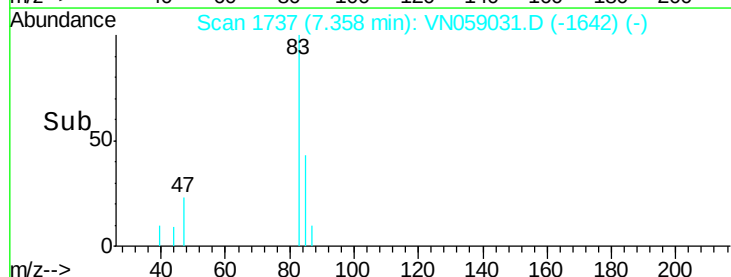
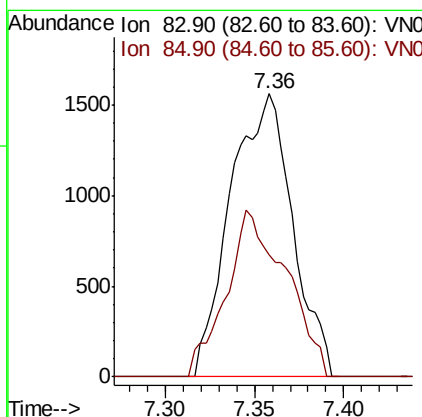
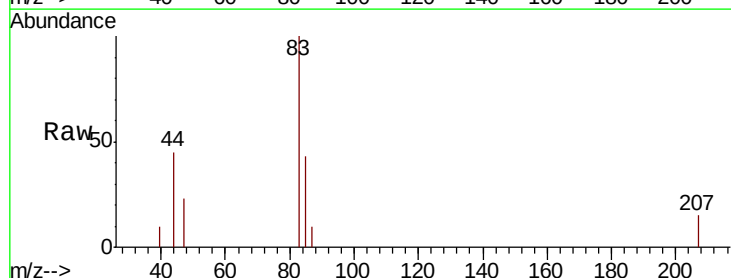
Instrument :
MSVOA_N
ClientSampleId :

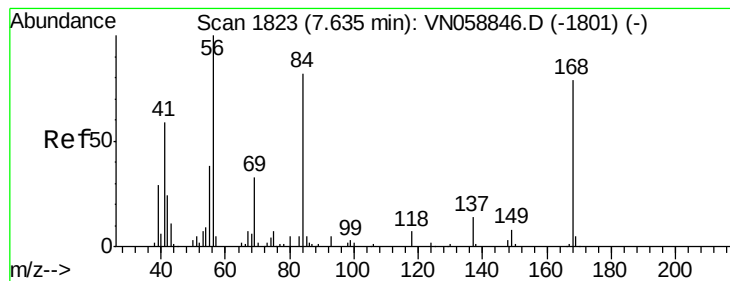
Tot Ion: 43 Resp: 970
Ion Ratio Lower Upper
43 100
72 0.0 19.1 28.7#



#30
Chloroform
Concen: 0.407 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.01 min
Lab File: VN059031.D
Acq: 31 Oct 2019 12:04

Tgt Ion: 83 Resp: 3781
Ion Ratio Lower Upper
83 100
85 43.1 51.9 77.9#





#31

Cyclohexane

Concen: 1.032 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN059031.D

Acq: 31 Oct 2019 12:04

Instrument :
MSVOA_N
ClientSampled :

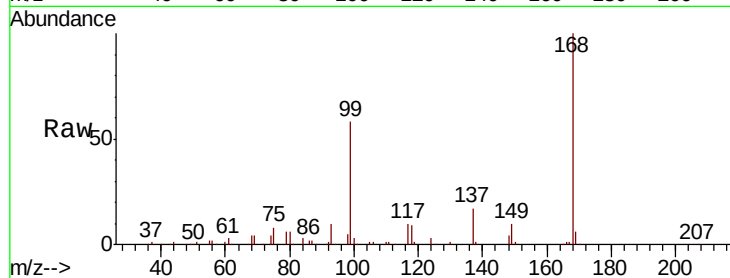
Tot Ion: 56 Resp: 8914

Ion Ratio Lower Upper

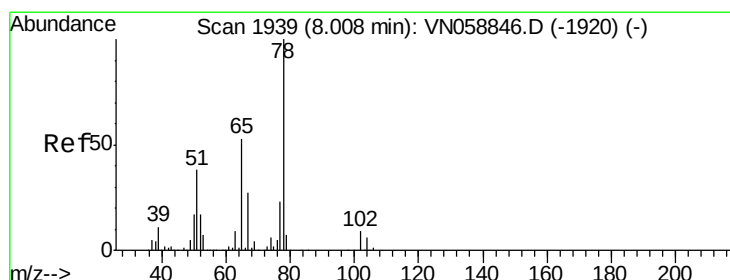
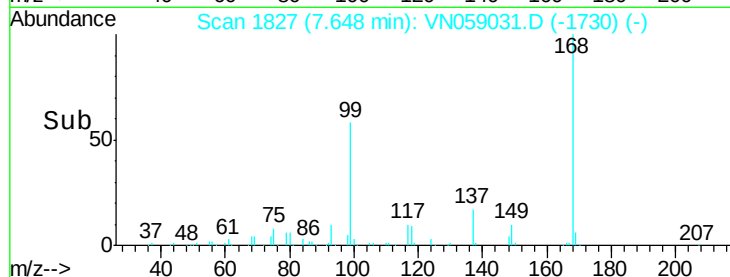
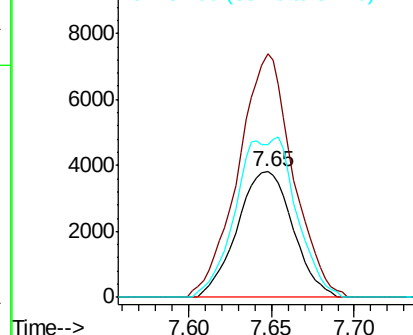
56 100

69 189.4 26.2 39.4#

84 121.8 65.6 98.4#



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



#33

1,2-Dichloroethane-d4

Concen: 45.891 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN059031.D

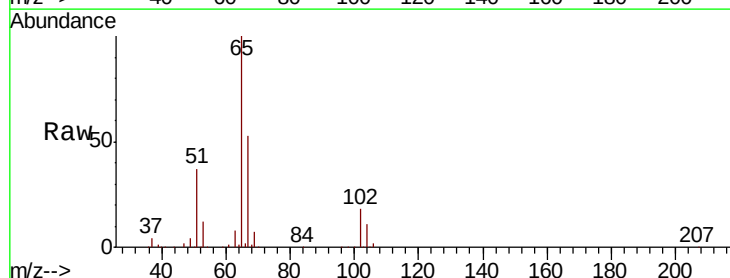
Acq: 31 Oct 2019 12:04

Tgt Ion: 65 Resp: 275848

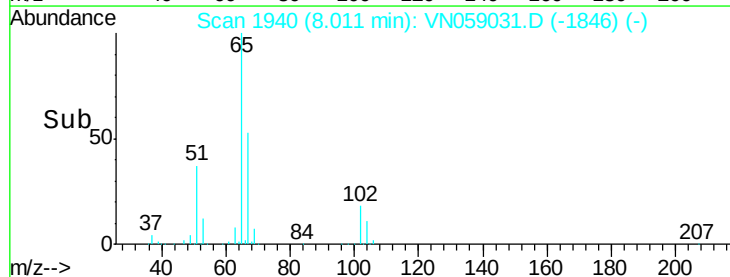
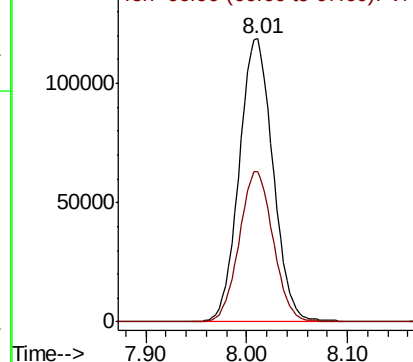
Ion Ratio Lower Upper

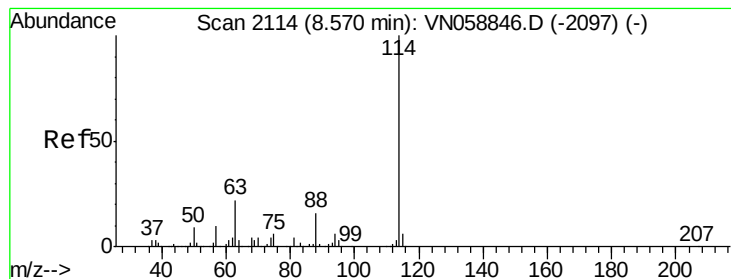
65 100

67 53.3 0.0 103.2



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN059031.D

Acq: 31 Oct 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

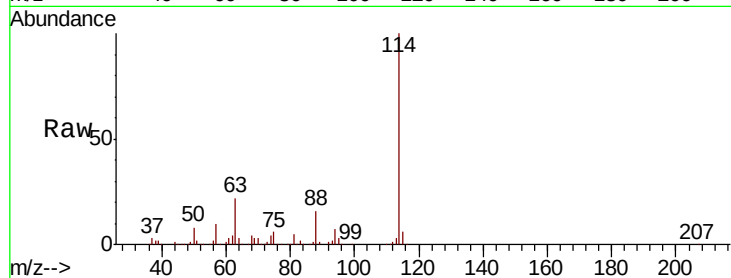
Tot Ion:114 Resp: 638687

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.4

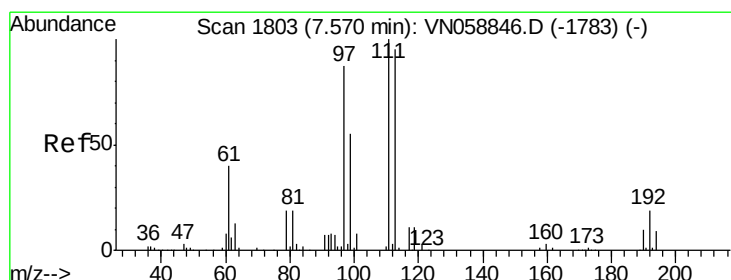
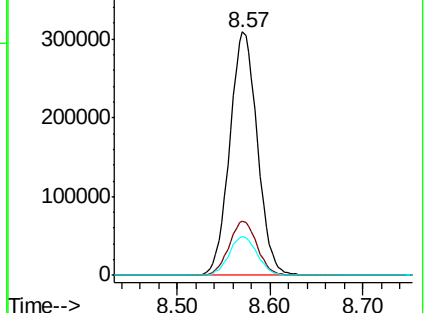
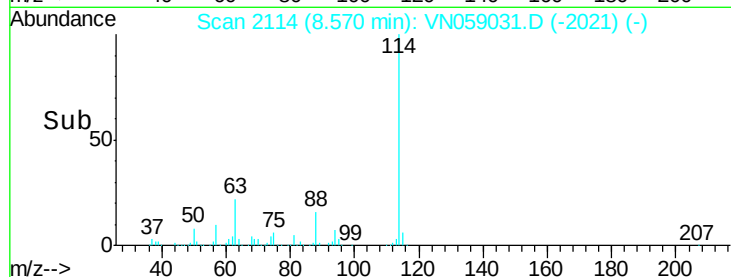
88 15.9 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.940 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN059031.D

Acq: 31 Oct 2019 12:04

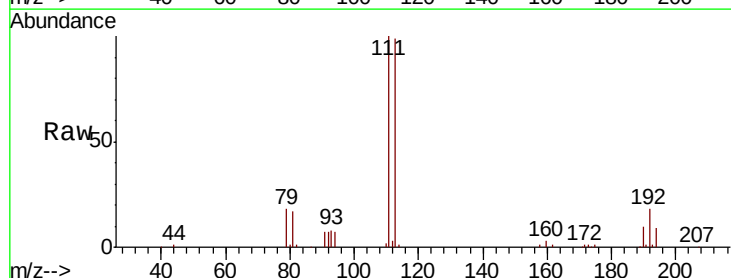
Tgt Ion:113 Resp: 205510

Ion Ratio Lower Upper

113 100

111 101.2 82.0 123.0

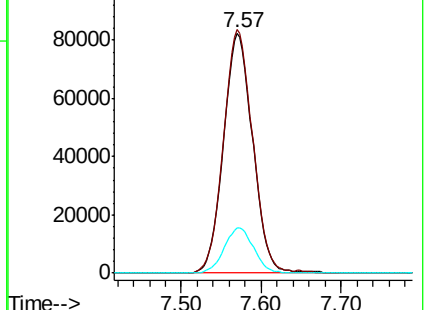
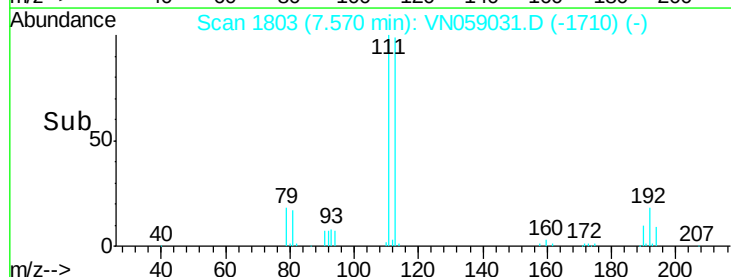
192 19.0 15.0 22.6

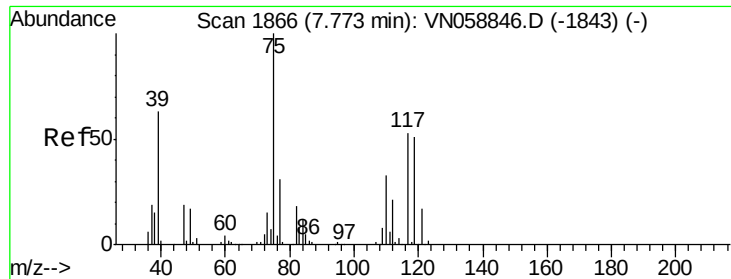


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

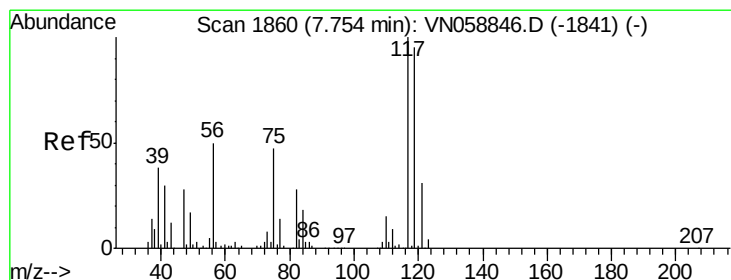
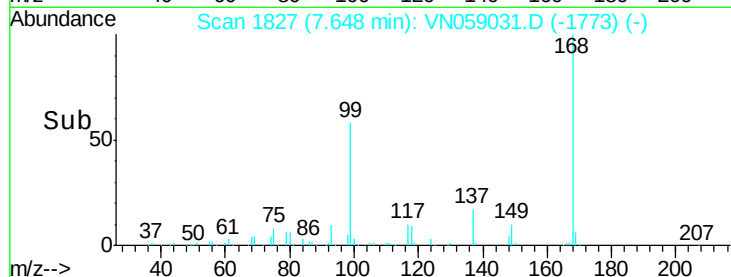
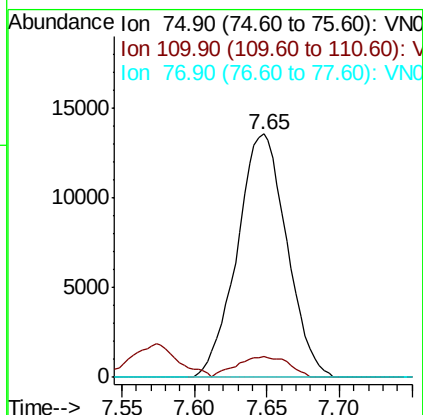
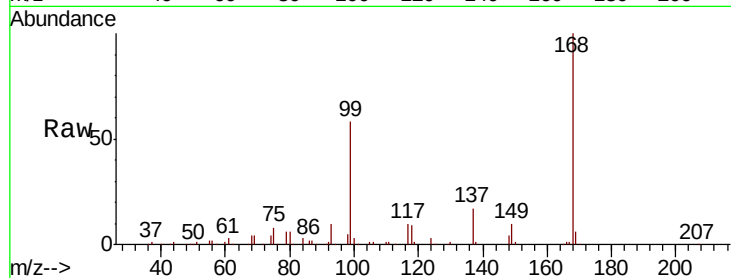




#36
 1,1-Dichloropropene
 Concen: 4.925 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN059031.D
 Acq: 31 Oct 2019 12:04

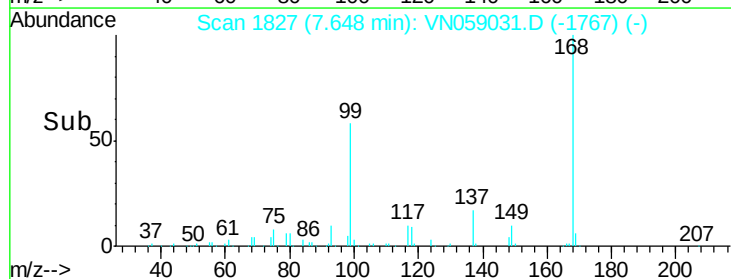
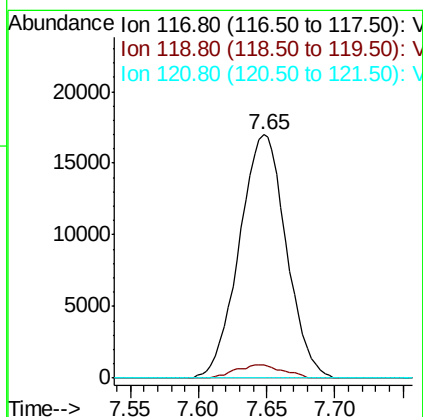
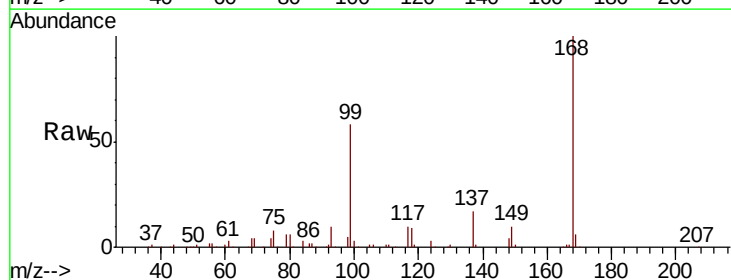
Instrument :
 MSVOA_N
 ClientSampleId :

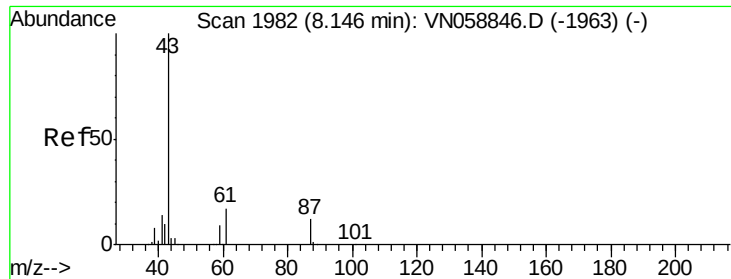
Tot Ion	75	Resp	32204
Ion Ratio	100	Lower	Upper
75	100		
110	8.8	16.3	48.9#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.017 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN059031.D
 Acq: 31 Oct 2019 12:04

Tgt Ion	117	Resp	40535
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.6	75.7	113.5#
121	0.0	25.0	37.6#





#43

Isopropyl Acetate

Concen: 8.905 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN059031.D

Acq: 31 Oct 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

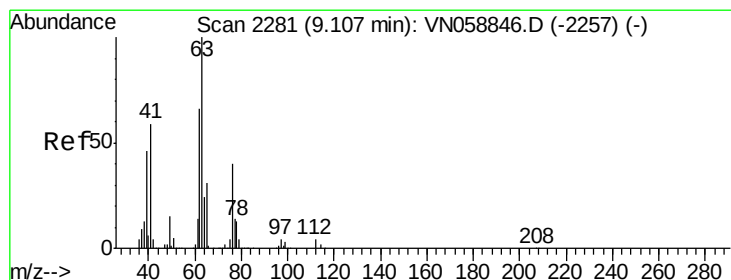
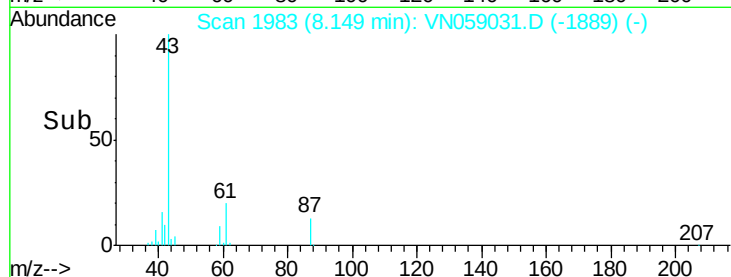
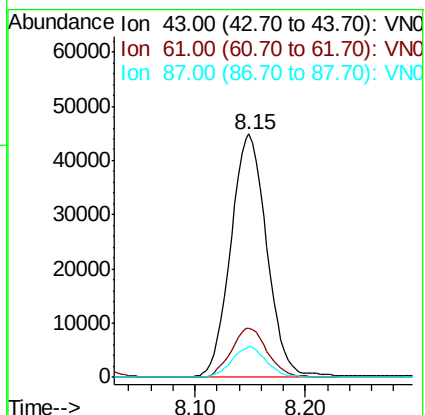
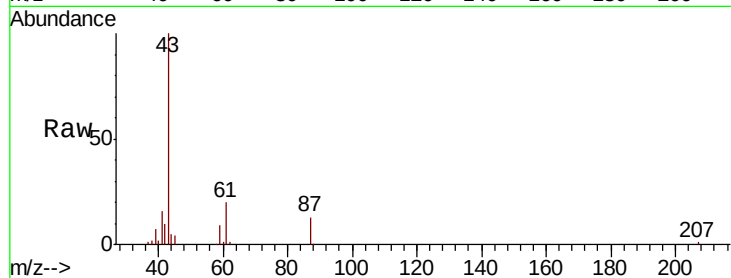
Tot Ion: 43 Resp: 101750

Ion Ratio Lower Upper

43 100

61 20.1 20.2 30.2#

87 12.0 9.5 14.3



#45

1,2-Dichloropropane

Concen: 0.421 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.15 min

Lab File: VN059031.D

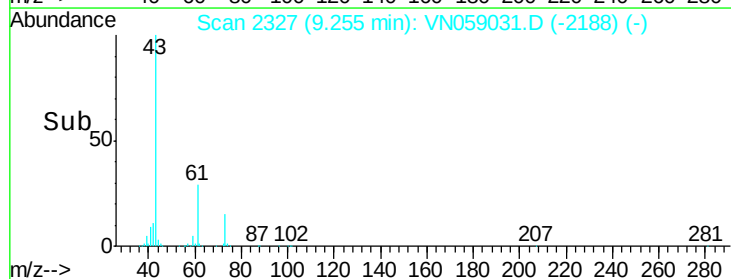
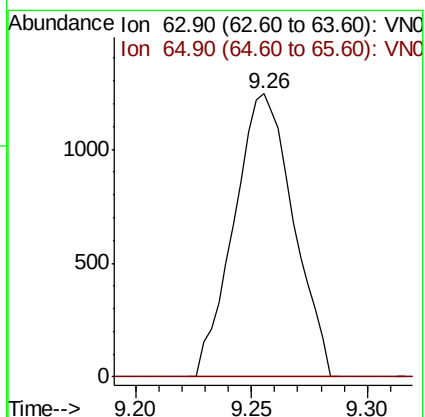
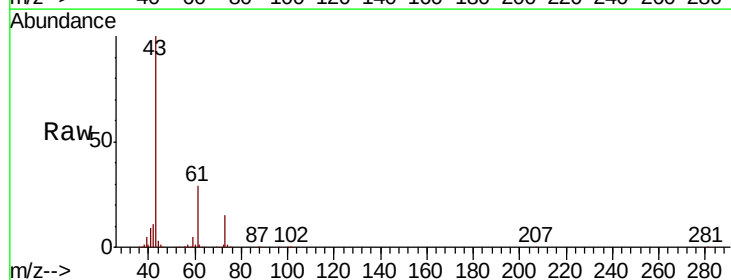
Acq: 31 Oct 2019 12:04

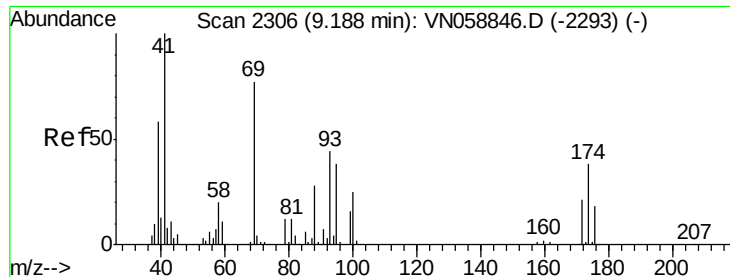
Tgt Ion: 63 Resp: 2217

Ion Ratio Lower Upper

63 100

65 0.0 24.5 36.7#

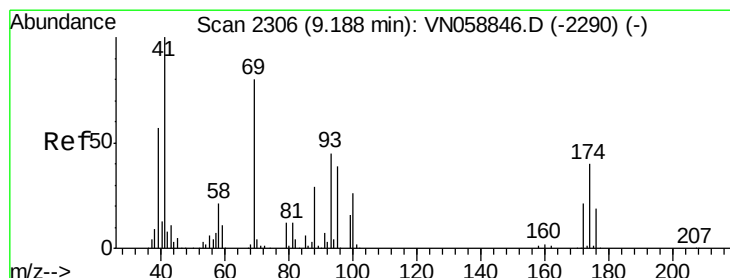
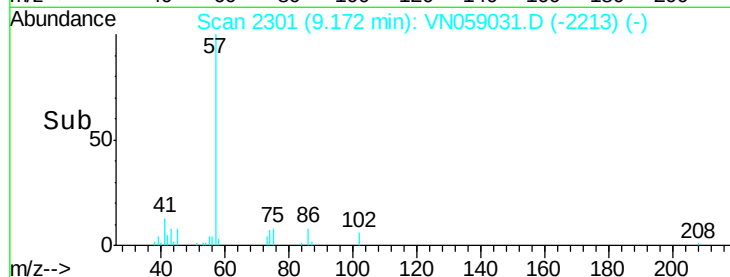
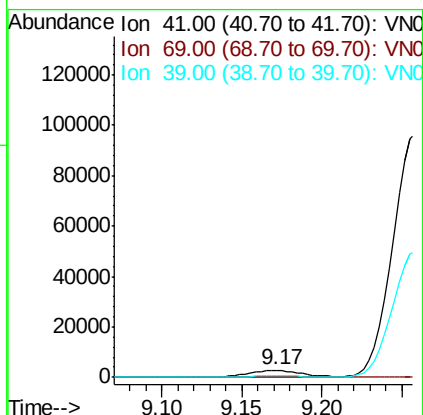
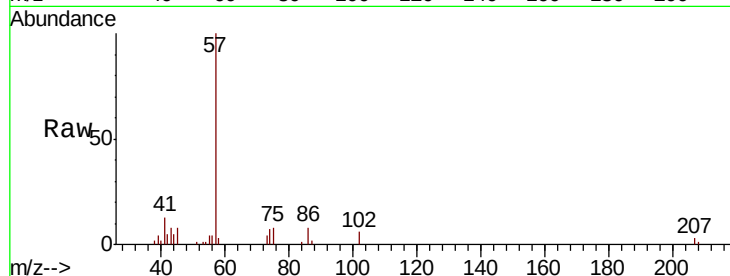




#48
Methvl methacrylate
Concen: 1.261 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN059031.D
Acq: 31 Oct 2019 12:04

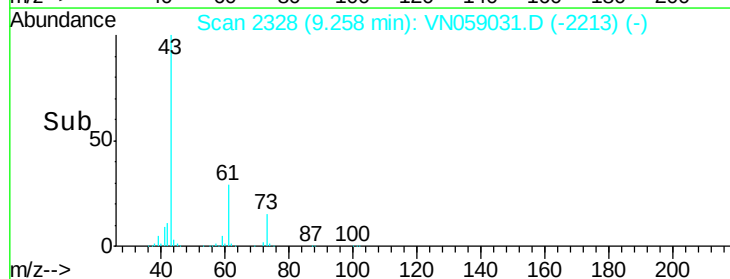
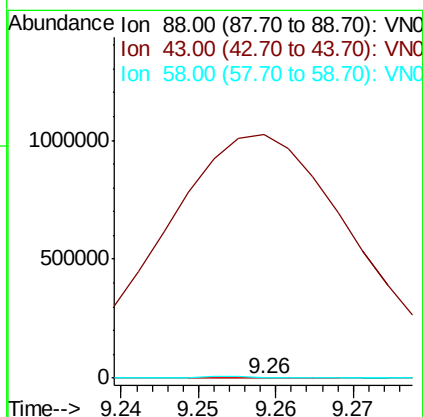
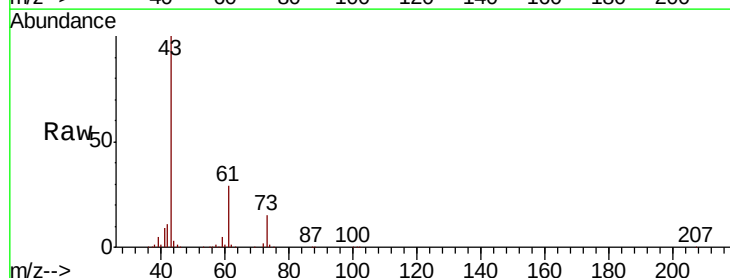
Instrument :
MSVOA_N
ClientSampleId :

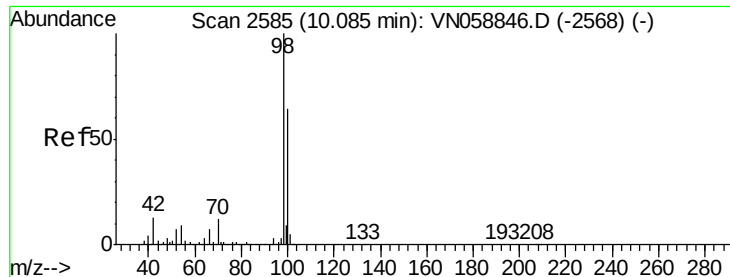
Tot Ion: 41 Resp: 6537
Ion Ratio Lower Upper
41 100
69 0.0 63.8 95.6#
39 0.0 47.8 71.8#



#49
1,4-Dioxane
Concen: 1.187 ug/l
RT: 9.26 min Scan# 2328
Delta R.T. 0.07 min
Lab File: VN059031.D
Acq: 31 Oct 2019 12:04

Tgt Ion: 88 Resp: 101
Ion Ratio Lower Upper
88 100
43 1854102.0 29.1 43.7#
58 8756.4 59.4 89.0#





#50

Toluene-d8

Concen: 49.859 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN059031.D

Acq: 31 Oct 2019 12:04

Instrument :

MSVOA_N

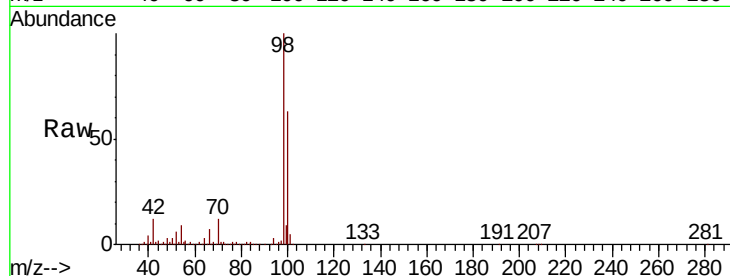
ClientSampled :

Tot Ion: 98 Resp: 812735

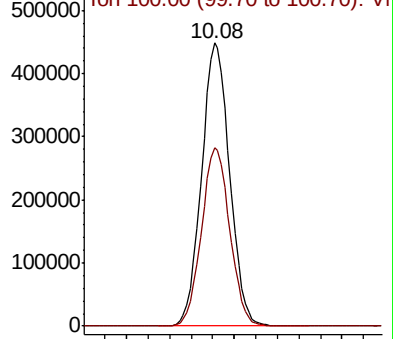
Ion Ratio Lower Upper

98 100

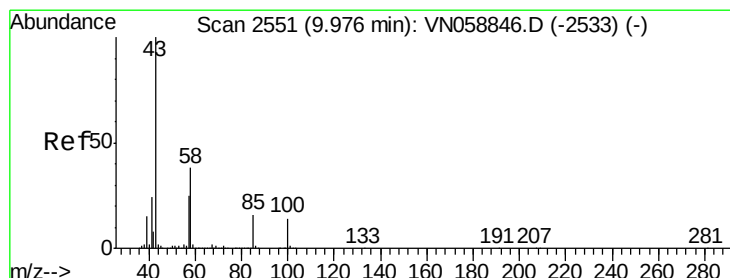
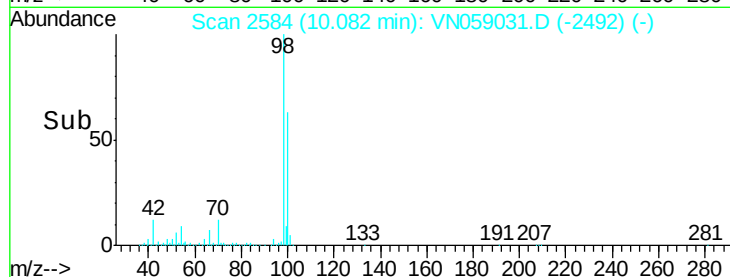
100 63.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN058846.D (-2568) (-)



Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.062 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN059031.D

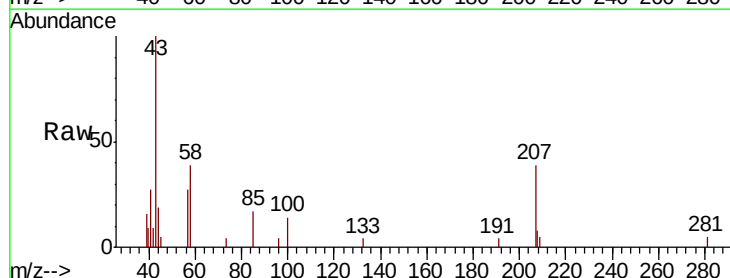
Acq: 31 Oct 2019 12:04

Tgt Ion: 43 Resp: 7088

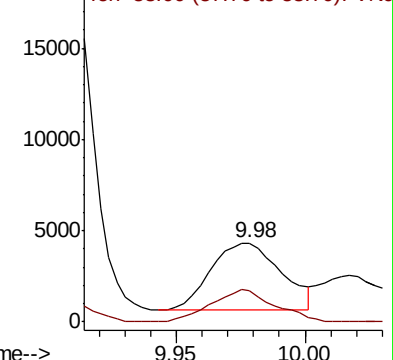
Ion Ratio Lower Upper

43 100

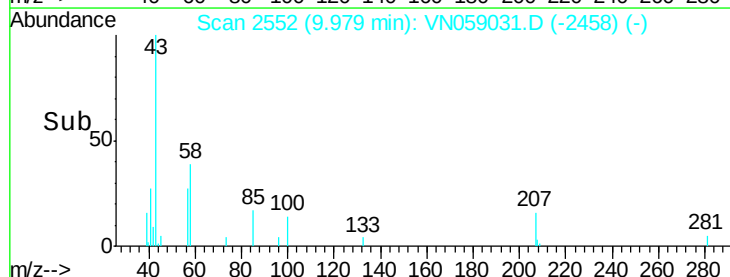
58 42.8 29.9 44.9

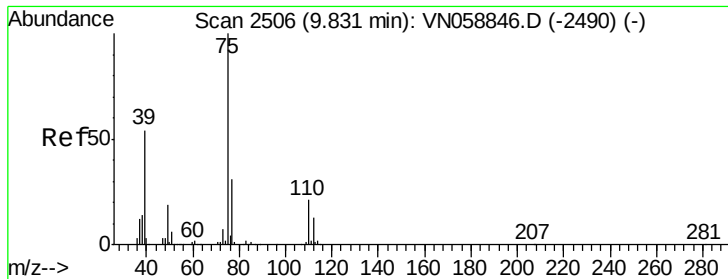


Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)



Time-->



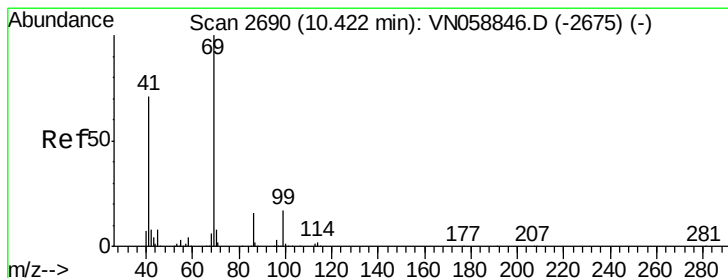
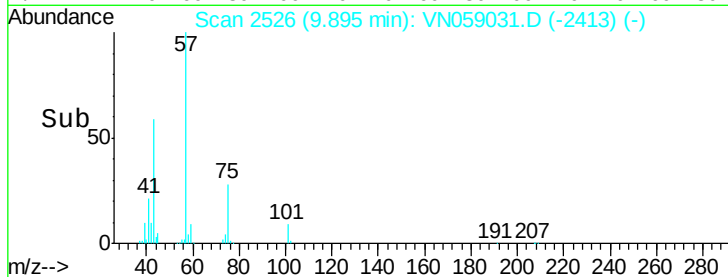
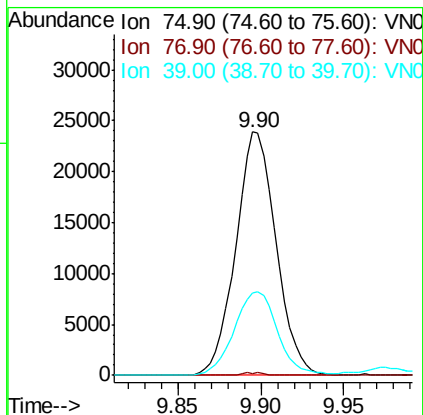
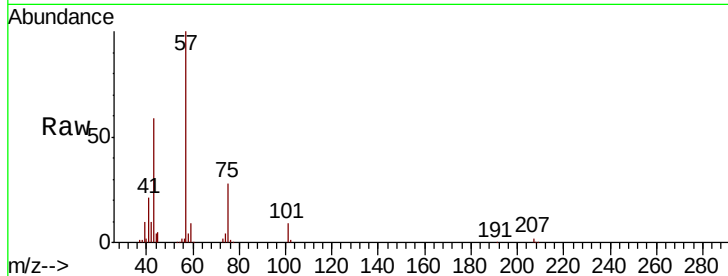


#54

cis-1,3-Dichloropropene
 Concen: 4.979 ug/l
 RT: 9.90 min Scan# 2526
 Delta R.T. 0.06 min
 Lab File: VN059031.D
 Acq: 31 Oct 2019 12:04

Instrument :
 MSVOA_N
 ClientSampleId :

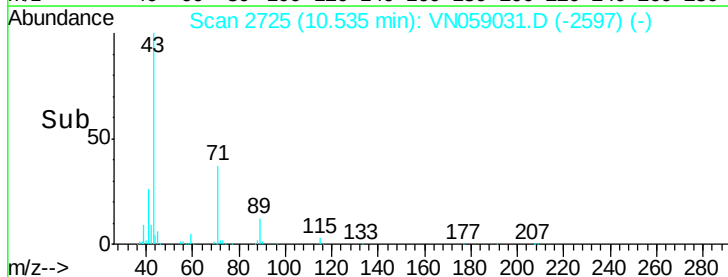
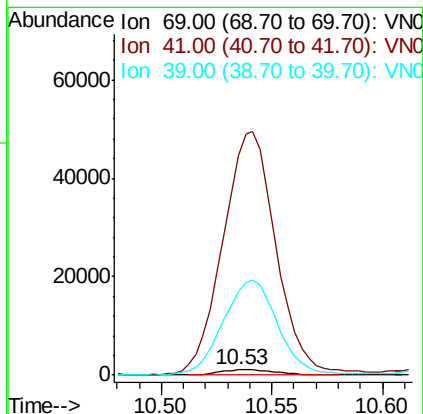
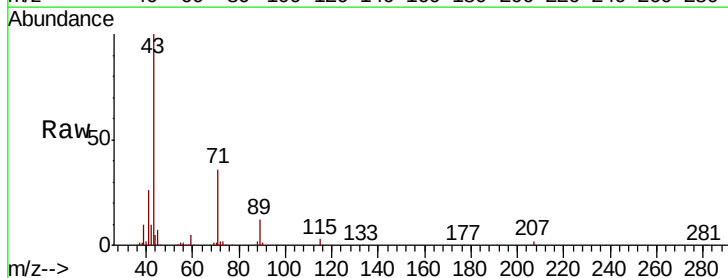
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.8	24.7	37.1#
39	33.8	43.5	65.3#

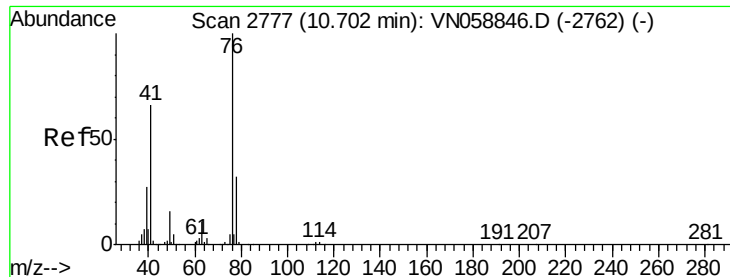


#56

Ethyl methacrylate
 Concen: 2.337 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. 0.11 min
 Lab File: VN059031.D
 Acq: 31 Oct 2019 12:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	4235.9	57.2	85.8#
39	1708.4	31.0	46.4#





#57

1,3-Dichloropropane

Concen: 0.907 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN059031.D

Acq: 31 Oct 2019 12:04

Instrument :

MSVOA_N

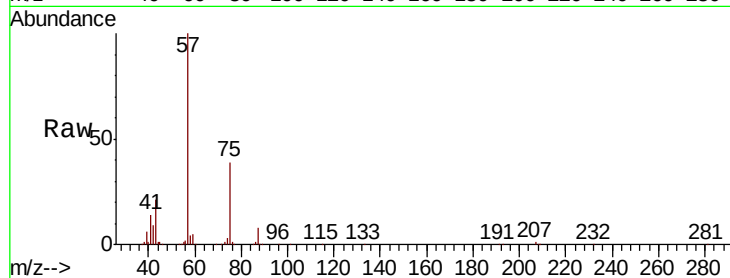
ClientSampled :

Tot Ion: 76 Resp: 7466

Ion Ratio Lower Upper

76 100

78 0.8 25.4 38.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.76

5000

4000

3000

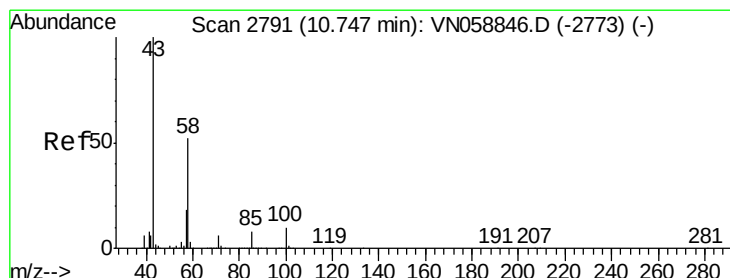
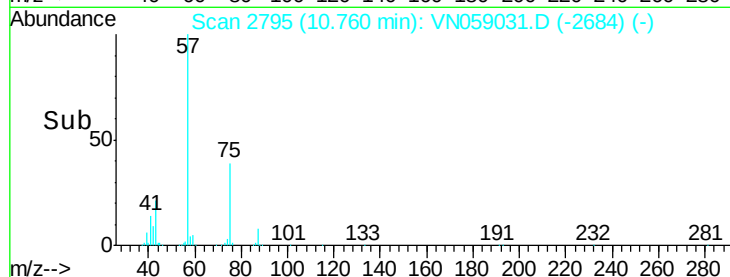
2000

1000

0

Time-->

10.70 10.75 10.80



#59

2-Hexanone

Concen: 22.077 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN059031.D

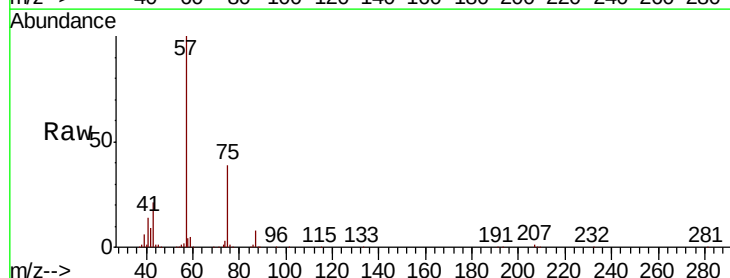
Acq: 31 Oct 2019 12:04

Tgt Ion: 43 Resp: 113858

Ion Ratio Lower Upper

43 100

58 19.7 25.9 77.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.76

80000

60000

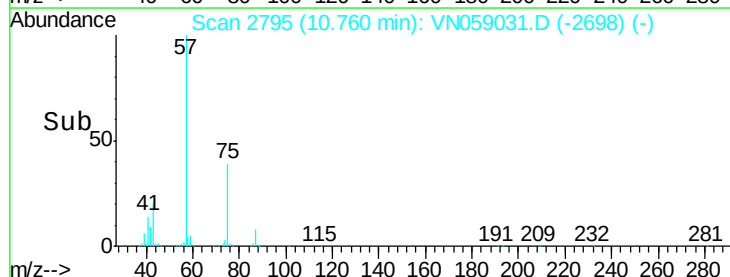
40000

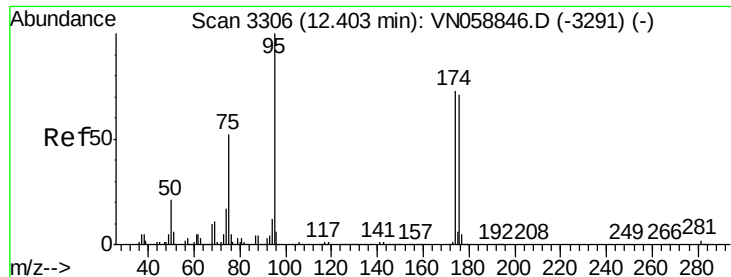
20000

0

Time-->

10.75 10.80

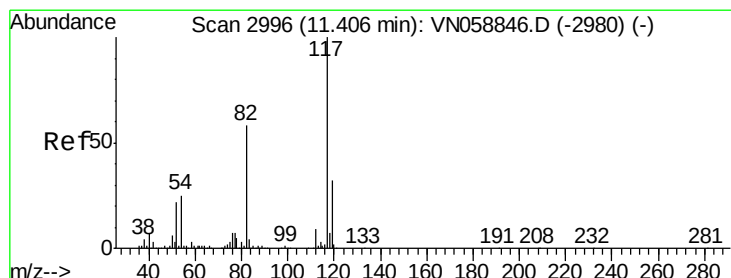
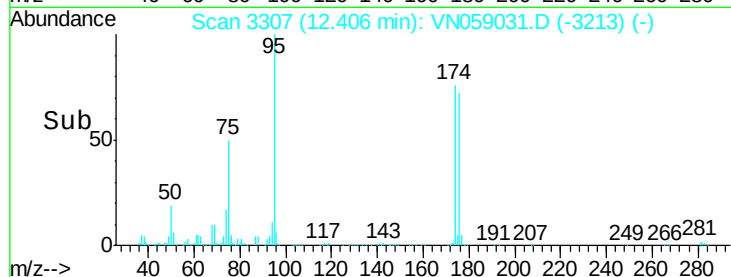
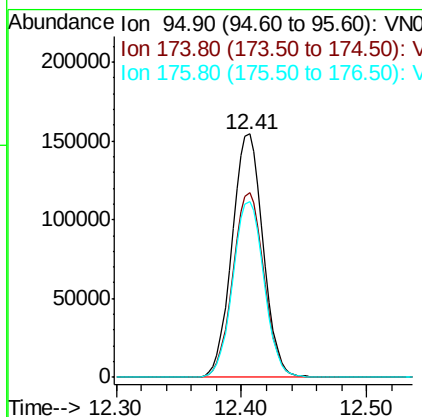
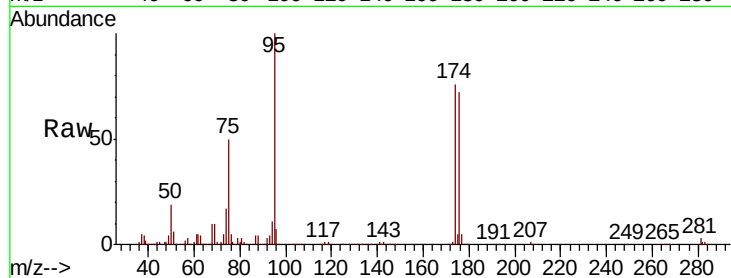




#62
4-Bromofluorobenzene
Concen: 44.398 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN059031.D
Acq: 31 Oct 2019 12:04

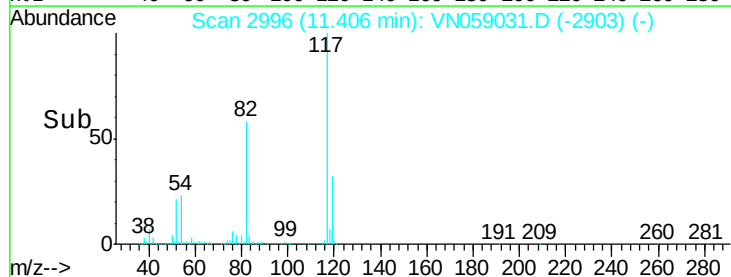
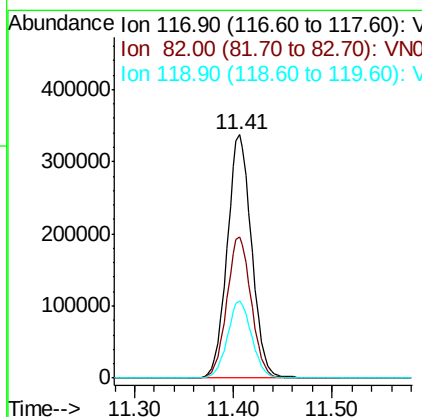
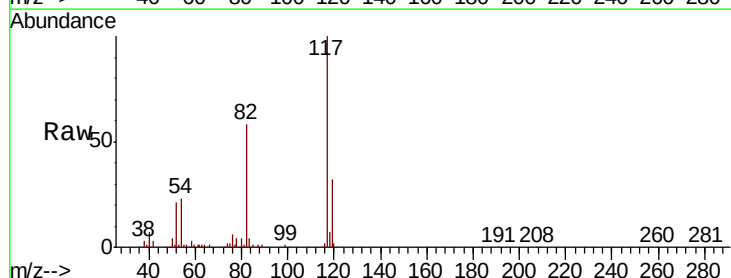
Instrument :
MSVOA_N
ClientSampleId :

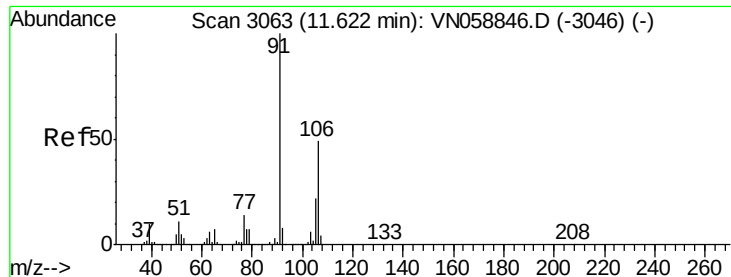
Tot Ion	95	Resp	265766
Ion Ratio	100		
174	76.2	0.0	147.6
176	72.7	0.0	143.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN059031.D
Acq: 31 Oct 2019 12:04

Tgt Ion	117	Resp	583672
Ion Ratio	100		
82	58.1	46.6	69.8
119	31.7	25.6	38.4

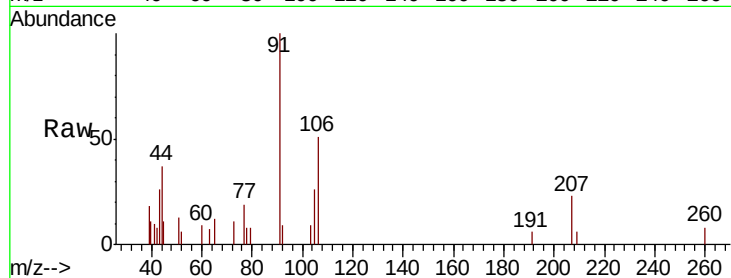




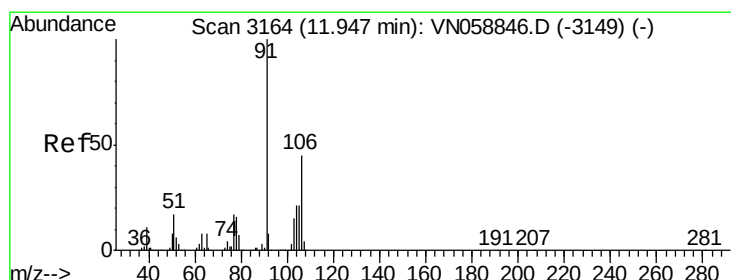
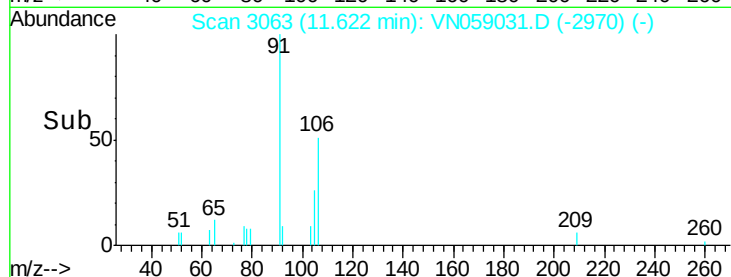
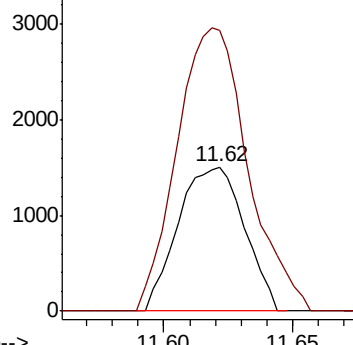
#68
m/p-Xylenes
Concen: 0.348 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN059031.D
Acq: 31 Oct 2019 12:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 2693
Ion Ratio Lower Upper
106 100
91 210.7 166.6 249.8

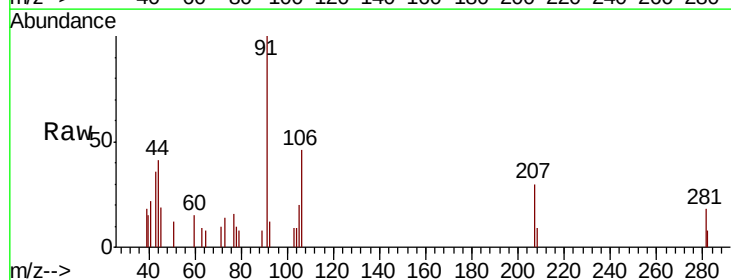


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

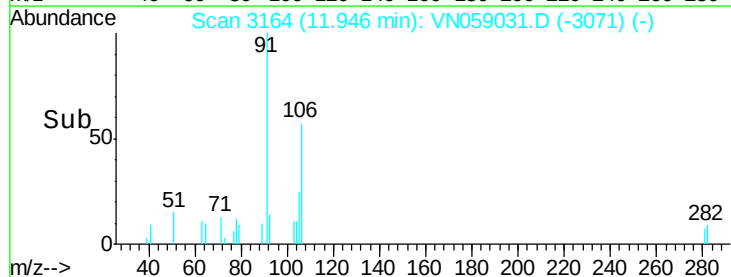
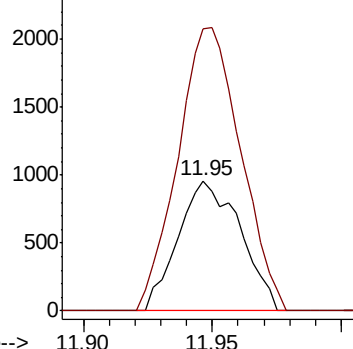


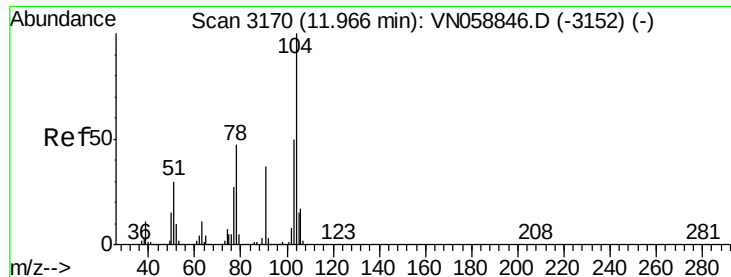
#69
o-Xylene
Concen: 0.218 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059031.D
Acq: 31 Oct 2019 12:04

Tgt Ion:106 Resp: 1608
Ion Ratio Lower Upper
106 100
91 219.8 111.5 334.4



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





#70

Stvrene

Concen: 1.753 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN059031.D

Acq: 31 Oct 2019 12:04

Instrument :

MSVOA_N

ClientSampled :

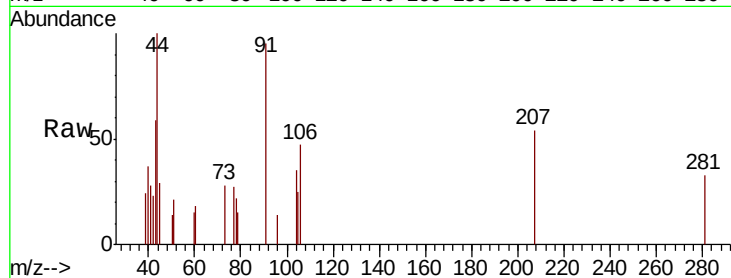
Tot Ion:104 Resp: 558

Ion Ratio Lower Upper

104 100

78 0.0 42.8 64.2#

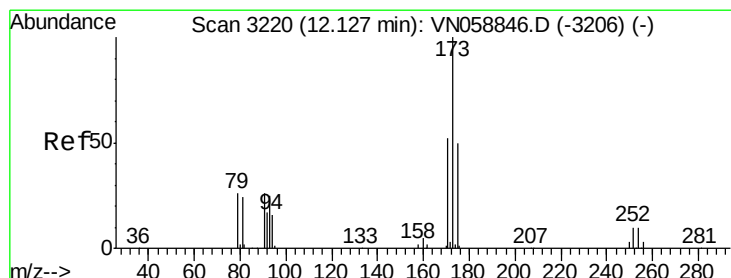
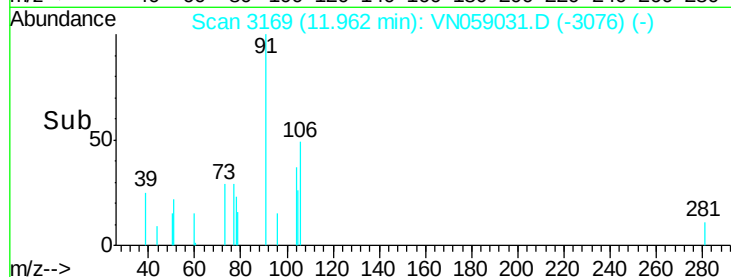
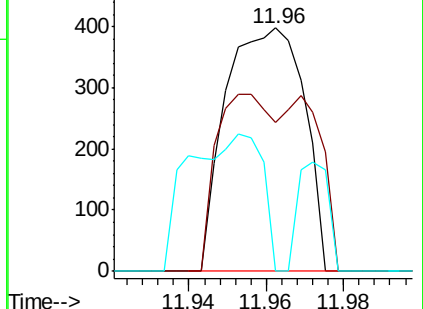
103 17.7 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.431 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059031.D

Acq: 31 Oct 2019 12:04

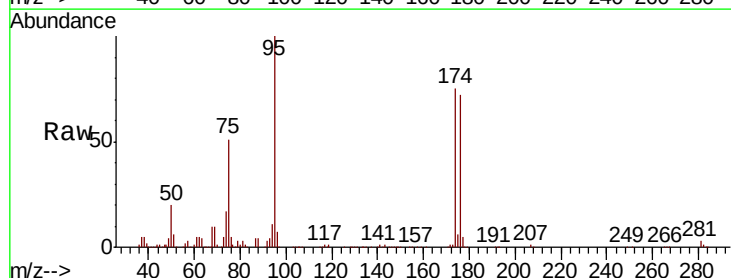
Tgt Ion:173 Resp: 1499

Ion Ratio Lower Upper

173 100

175 792.4 24.7 74.1#

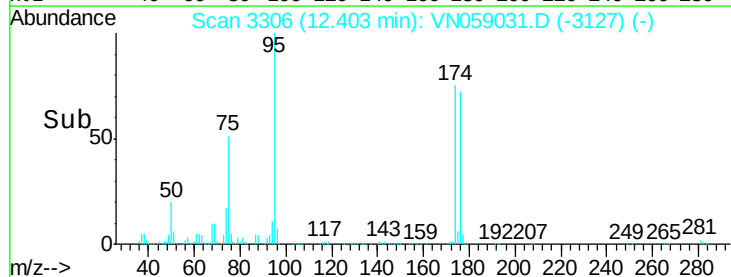
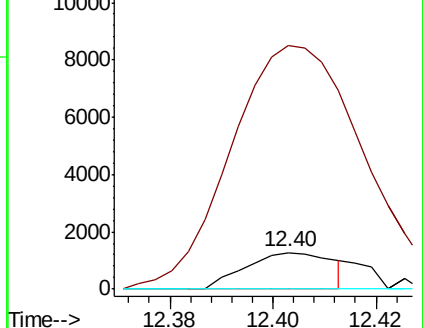
254 0.0 0.0 0.0

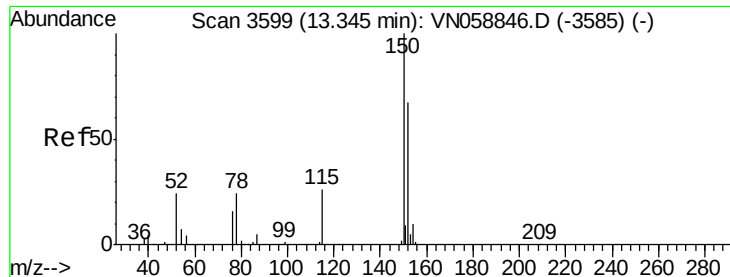


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



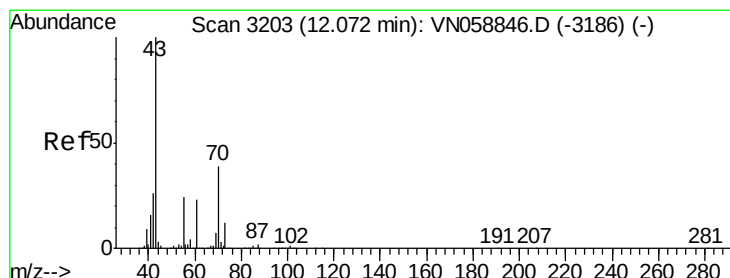
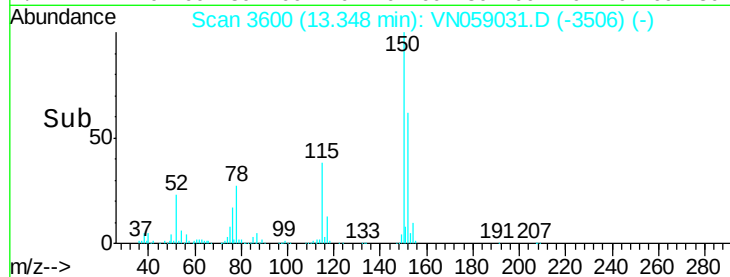
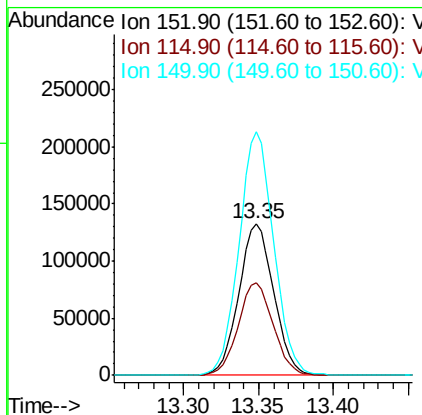
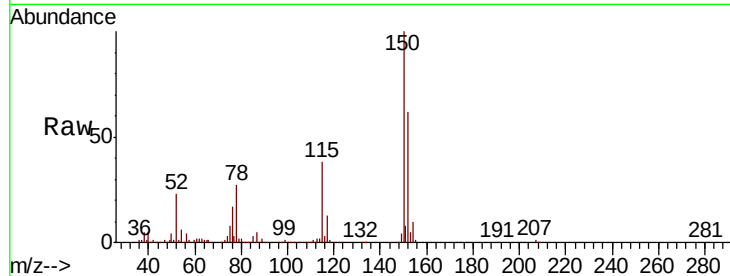


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN059031.D
Acq: 31 Oct 2019 12:04

Instrument :
MSVOA_N
ClientSampleId :

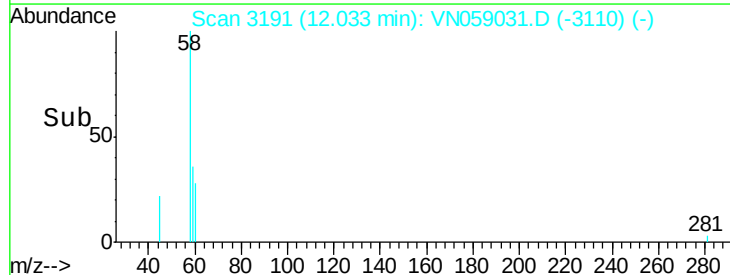
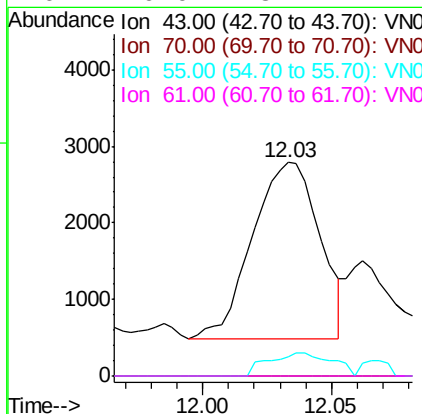
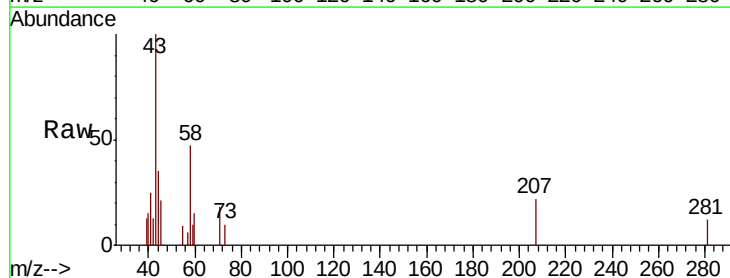
Tot Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.5	91.5
150	160.2	0.0	344.4

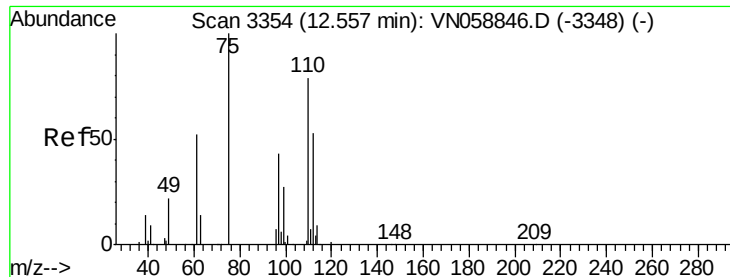


#74

N-ethyl acetate
Concen: 0.584 ug/l
RT: 12.03 min Scan# 3191
Delta R.T. -0.04 min
Lab File: VN059031.D
Acq: 31 Oct 2019 12:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.9	46.3#
55	12.5	19.7	29.5#
61	0.0	18.2	27.4#





#76

1,2,3-Trichloropropane

Concen: 26.883 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059031.D

Acq: 31 Oct 2019 12:04

Instrument :

MSVOA_N

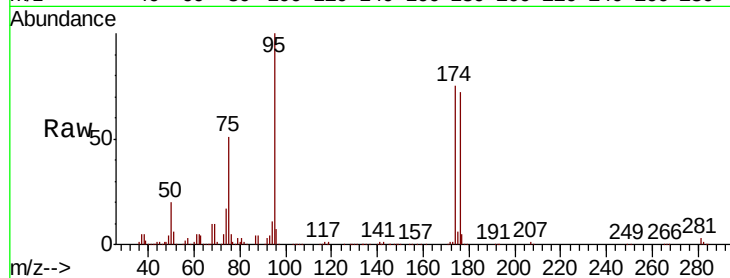
ClientSampled :

Tot Ion: 75 Resp: 134145

Ion Ratio Lower Upper

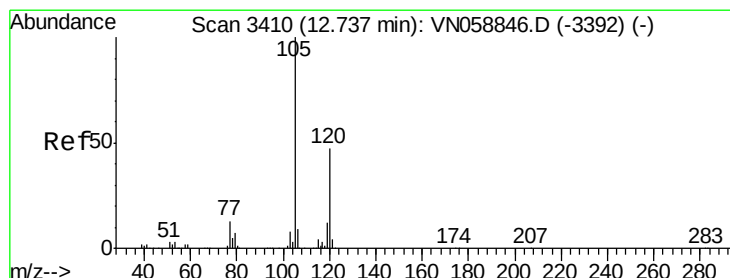
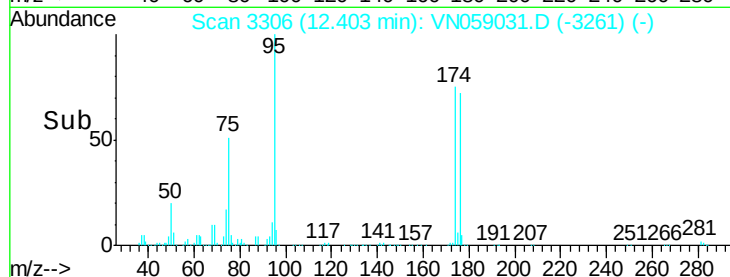
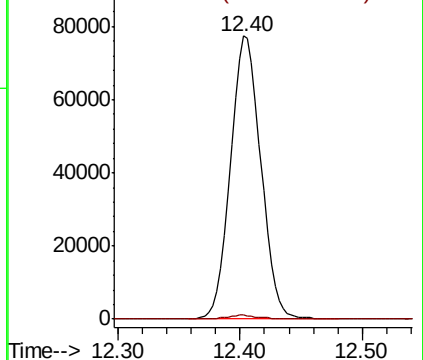
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#80

1,3,5-Trimethylbenzene

Concen: 0.611 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN059031.D

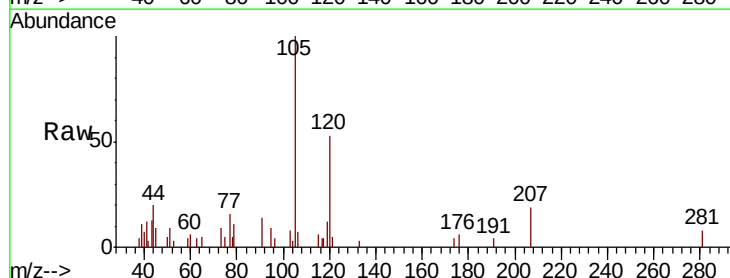
Acq: 31 Oct 2019 12:04

Tgt Ion: 105 Resp: 8080

Ion Ratio Lower Upper

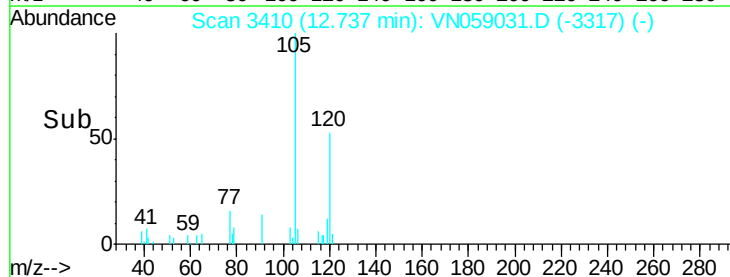
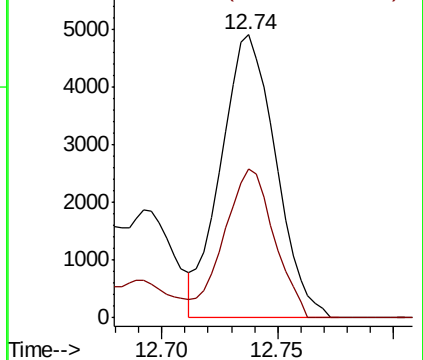
105 100

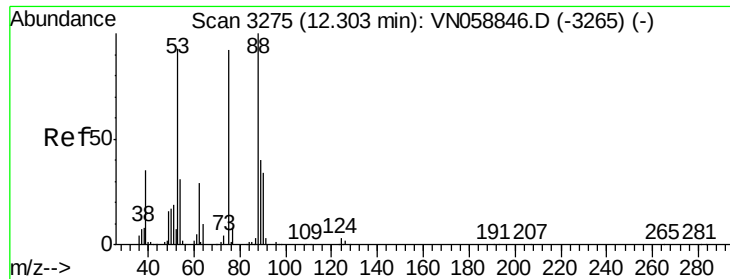
120 48.1 23.8 71.5



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: 70.031 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059031.D

Acq: 31 Oct 2019 12:04

Instrument :

MSVOA_N

ClientSampled :

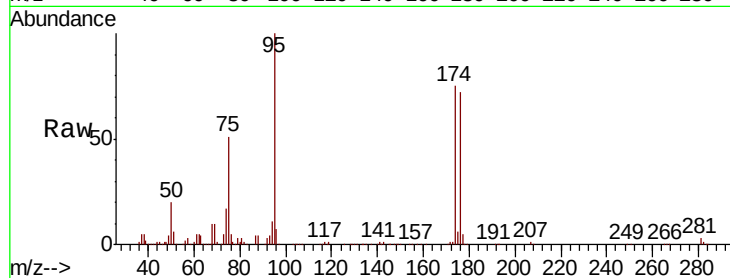
Tot Ion: 75 Resp: 134145

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

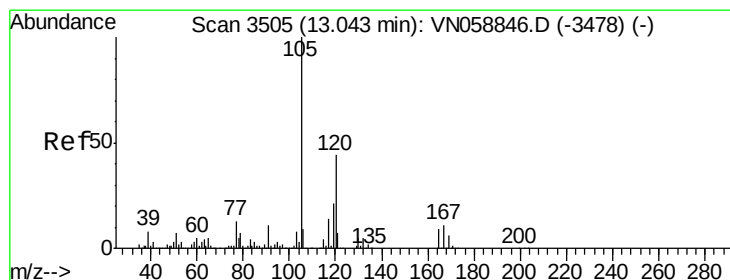
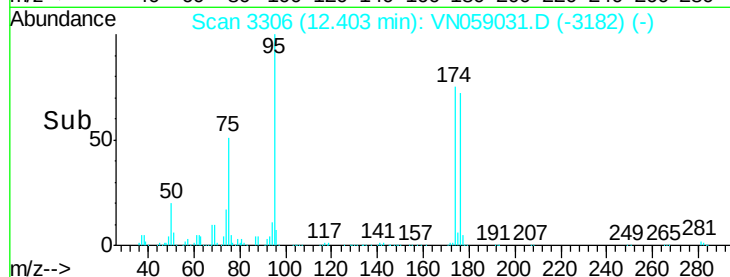
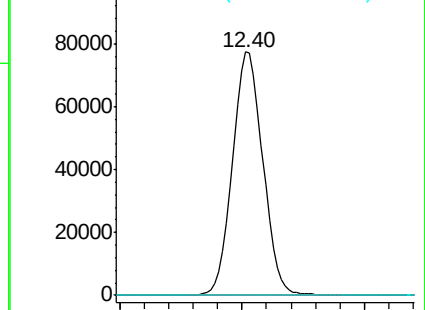
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN059031.D (-3182) (-)

Ion 53.00 (52.70 to 53.70): VN059031.D (-3182) (-)

Ion 88.90 (88.60 to 89.60): VN059031.D (-3182) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.844 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN059031.D

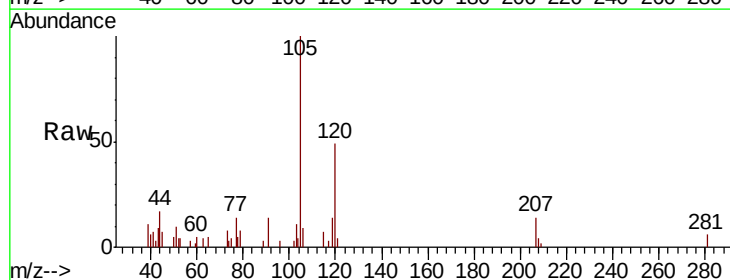
Acq: 31 Oct 2019 12:04

Tgt Ion: 105 Resp: 11012

Ion Ratio Lower Upper

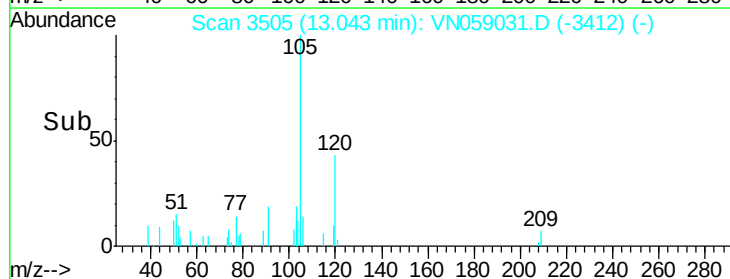
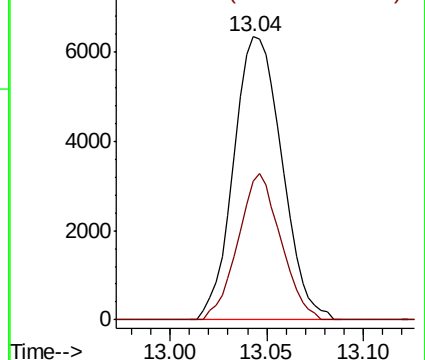
105 100

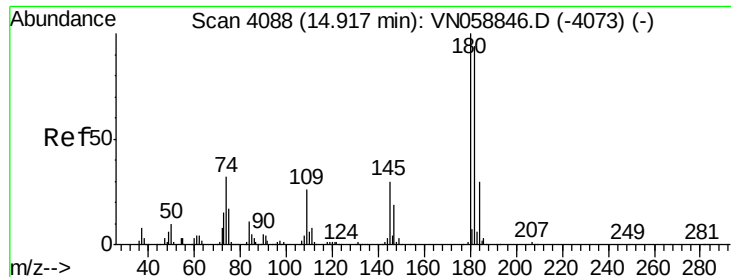
120 45.8 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): VN059031.D (-3412) (-)

Ion 120.00 (119.70 to 120.70): VN059031.D (-3412) (-)





#93

1,2,4-Trichlorobenzene

Concen: 2.623 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN059031.D

Acq: 31 Oct 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

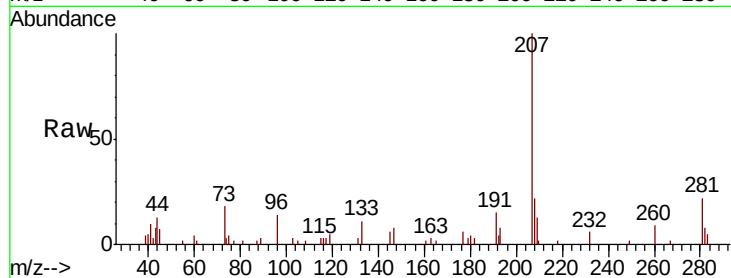
Tot Ion:180 Resp: 465

Ion Ratio Lower Upper

180 100

182 63.9 47.3 142.0

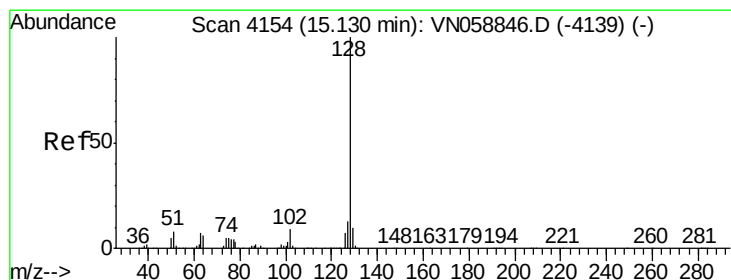
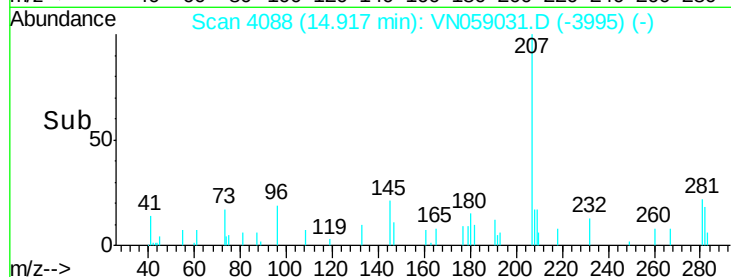
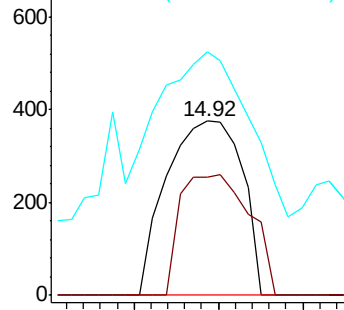
145 195.7 15.3 45.8#



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



#95

Naphthalene

Concen: 2.898 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059031.D

Acq: 31 Oct 2019 12:04

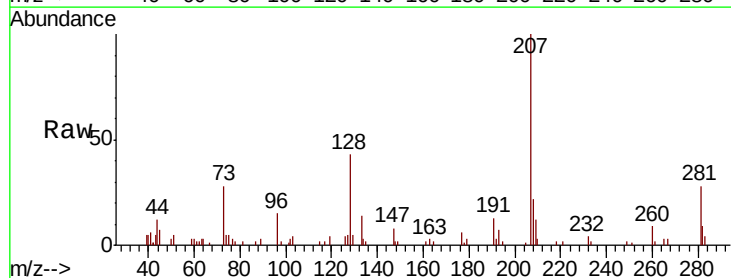
Tgt Ion:128 Resp: 8688

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

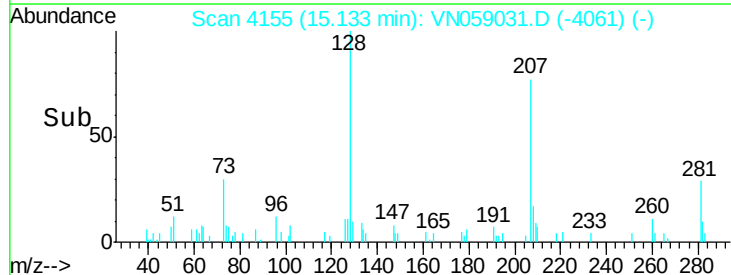
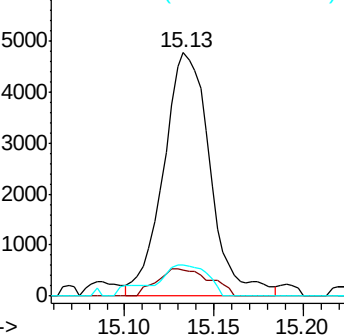
129 14.6 8.4 12.6#

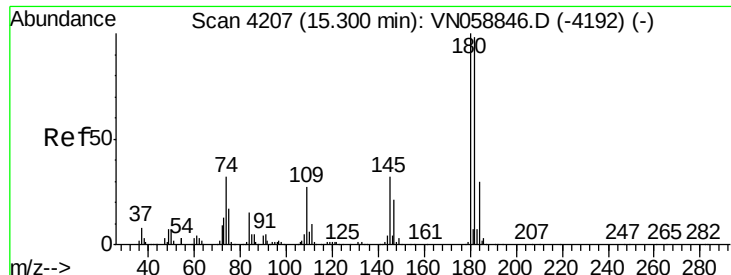


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

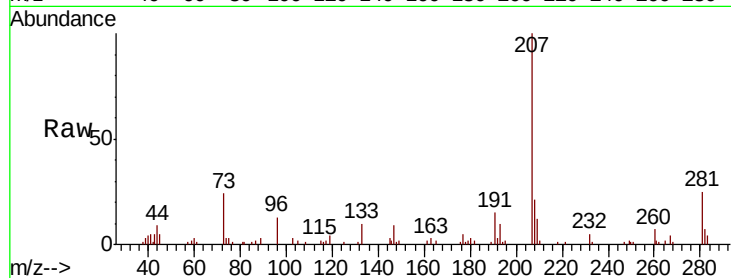




#96
 1,2,3-Trichlorobenzene
 Concen: 2.551 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. -0.00 min
 Lab File: VN059031.D
 Acq: 31 Oct 2019 12:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	56.8	47.9	143.7
145	30.4	15.9	47.7



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

