

Data File : VW008515.D
Acq On : 04 Feb 2019 21:16
Operator : SY/VA
Sample : K1346-05
Misc : 6.39G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CL-02-020419-C

Quant Time: Feb 05 03:12:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	357760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	573838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	498276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	204071	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	189752	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
35) Dibromofluoromethane	7.88	113	180784	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
50) Toluene-d8	10.32	98	673025	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
62) 4-Bromofluorobenzene	12.62	95	229077	44.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.58%	

Target Compounds

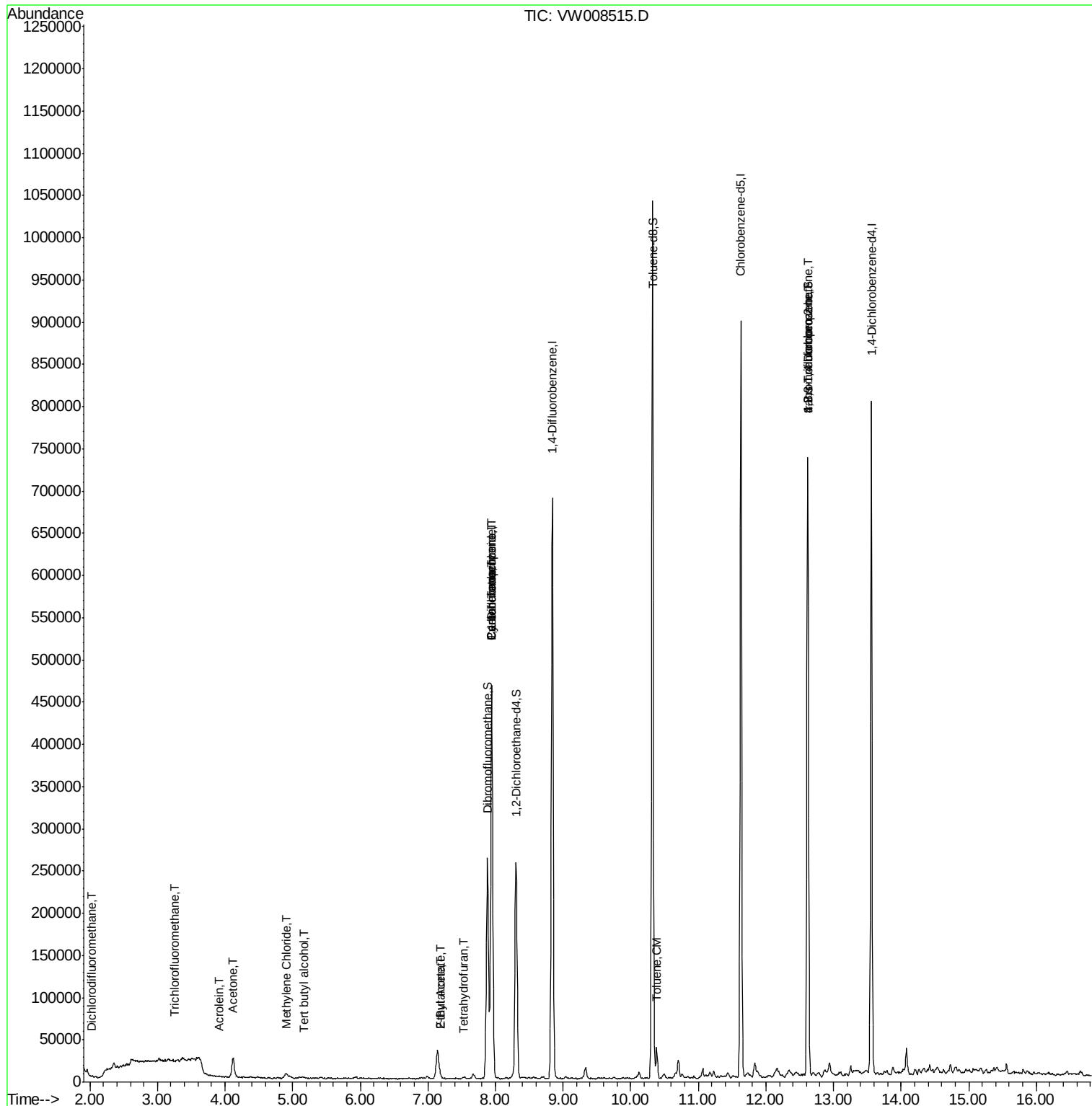
						Qvalue
2) Dichlorodifluoromethane	2.02	85	119	3.306	ug/l #	41
7) Trichlorofluoromethane	3.26	101	71	4.745	ug/l #	37
11) Tert butyl alcohol	5.17	59	1741	6.153	ug/l #	94
13) Acrolein	3.91	56	158	4.808	ug/l #	1
16) Acetone	4.12	43	40079	50.780	ug/l	96
20) Methylene Chloride	4.90	84	3894	1.070	ug/l #	80
25) 2-Butanone	7.19	43	4801	4.379	ug/l #	76
29) Tetrahydrofuran	7.53	42	1660	2.389	ug/l #	91
31) Cyclohexane	7.95	56	8275	1.200	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	26336	4.859	ug/l #	50
37) Ethyl Acetate	7.19	43	4801	2.002	ug/l #	73
38) Carbon Tetrachloride	7.95	117	34802	6.380	ug/l #	16
52) Toluene	10.38	92	14188	1.429	ug/l	95
76) 1,2,3-Trichloropropane	12.61	75	114248	64.392	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.61	75	114248	127.180	ug/l #	12

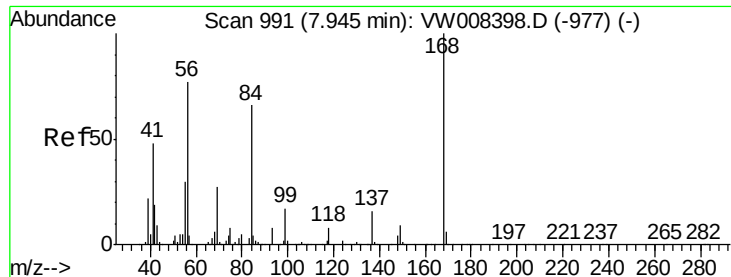
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008515.D

Acq: 04 Feb 2019 21:16

Instrument :

MSVOA_W

ClientSampleId :

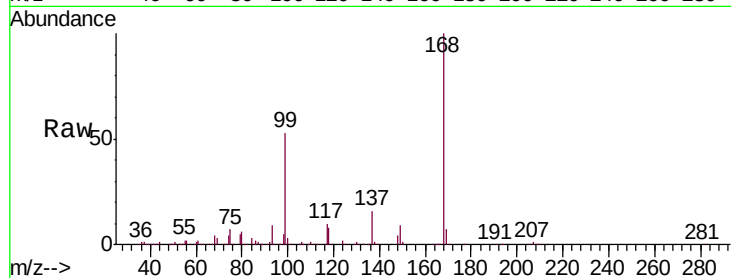
CL-02-020419-C

Tgt Ion: 168 Resp: 357760

Ion Ratio Lower Upper

168 100

99 53.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

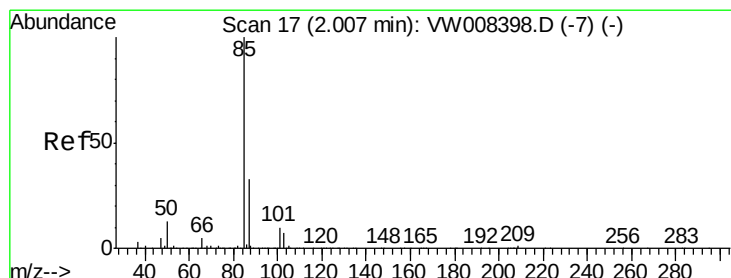
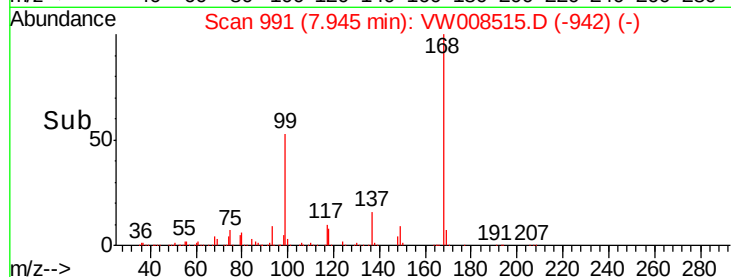
100000

50000

0

Time-->

7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 3.306 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW008515.D

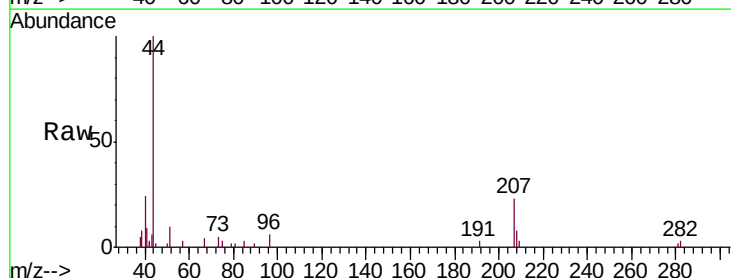
Acq: 04 Feb 2019 21:16

Tgt Ion: 85 Resp: 119

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

100

80

60

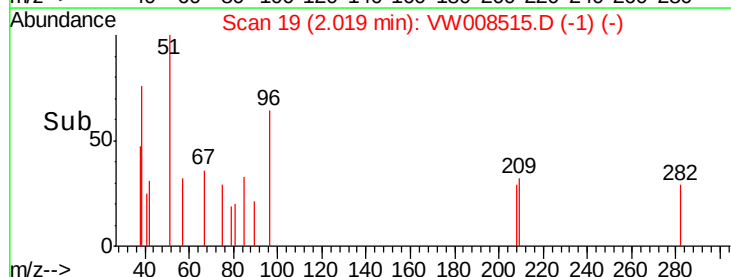
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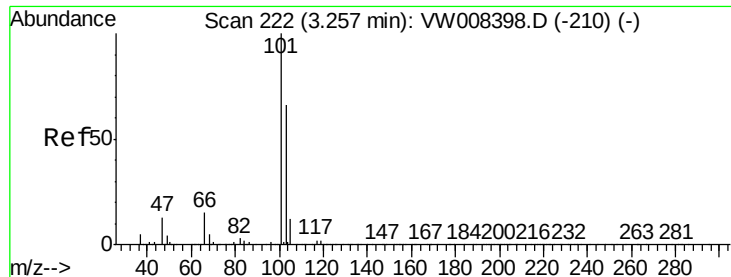
20

0

Time-->

1.98 2.00 2.02 2.04



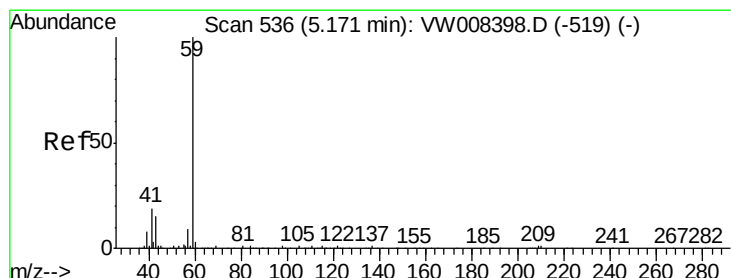
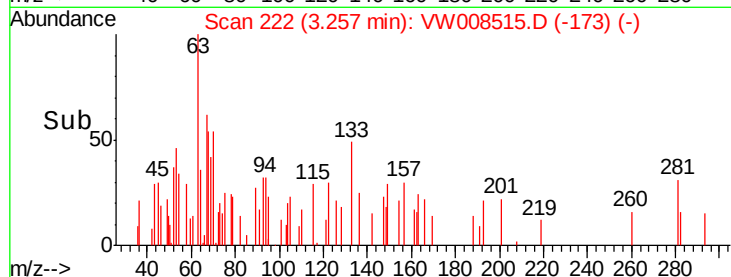
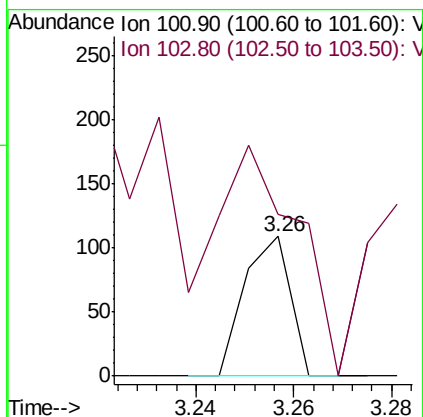
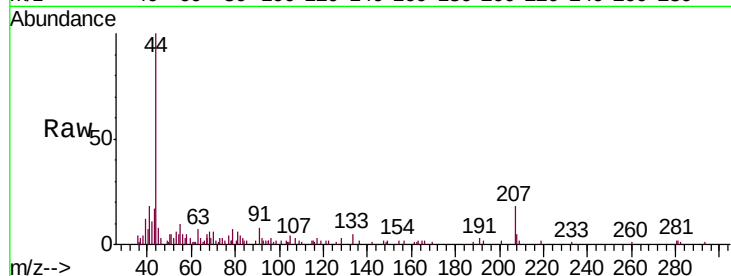


#7

Trichlorofluoromethane
Concen: 4.745 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW008515.D
Acq: 04 Feb 2019 21:16

Instrument :
MSVOA_W
ClientSampleId :
CL-02-020419-C

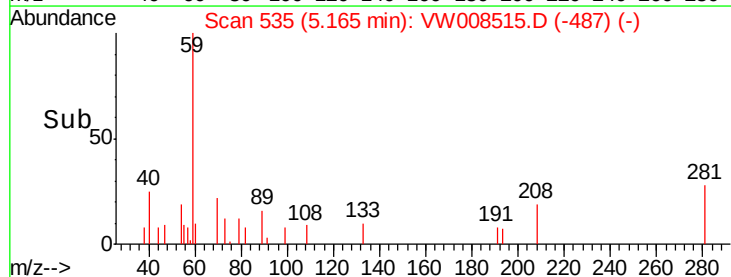
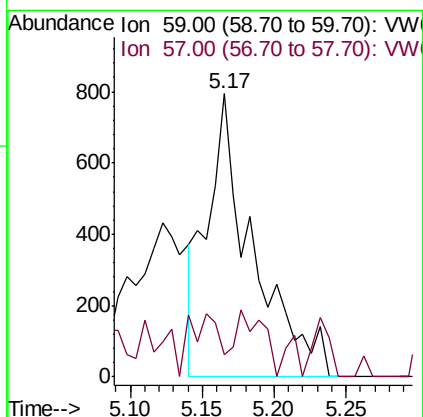
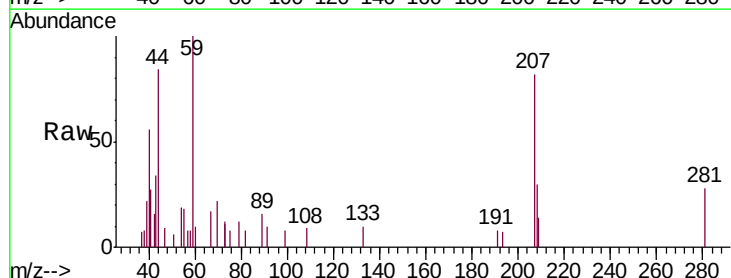
Tgt Ion:101 Resp: 71
Ion Ratio Lower Upper
101 100
103 115.6 52.5 78.7#

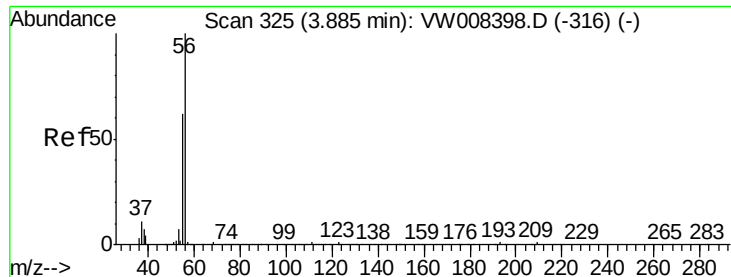


#11

Tert butyl alcohol
Concen: 6.153 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008515.D
Acq: 04 Feb 2019 21:16

Tgt Ion: 59 Resp: 1741
Ion Ratio Lower Upper
59 100
57 14.0 9.3 13.9#





#13

Acrolein

Concen: 4.808 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.02 min

Lab File: VW008515.D

Acq: 04 Feb 2019 21:16

Instrument :

MSVOA_W

ClientSampleId :

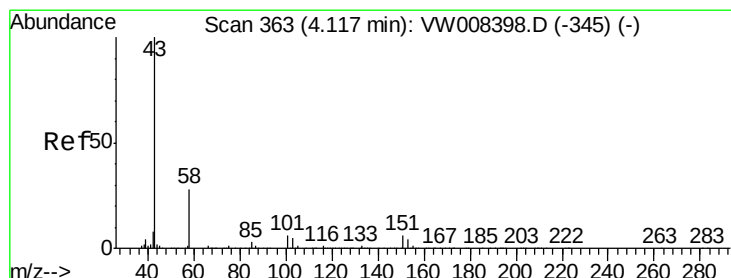
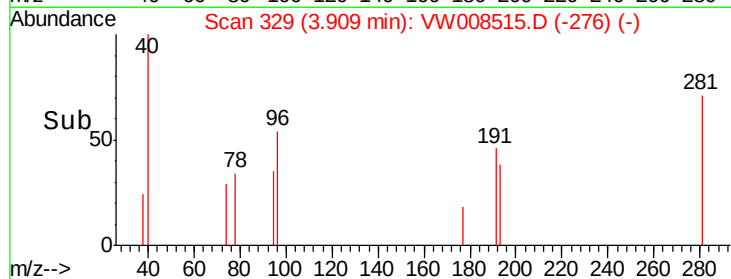
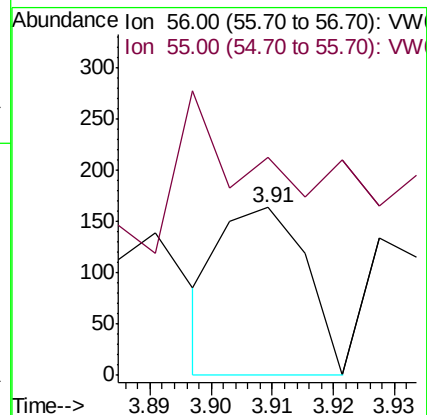
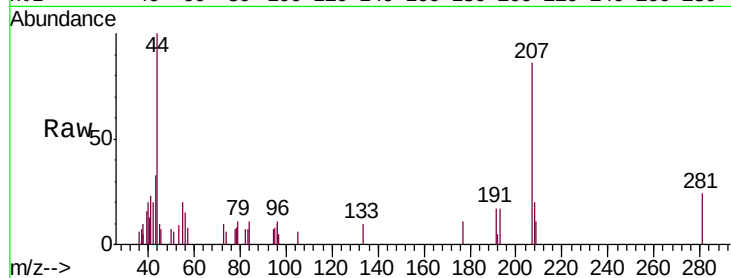
CL-02-020419-C

Tgt Ion: 56 Resp: 158

Ion Ratio Lower Upper

56 100

55 157.6 56.7 85.1#



#16

Acetone

Concen: 50.780 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008515.D

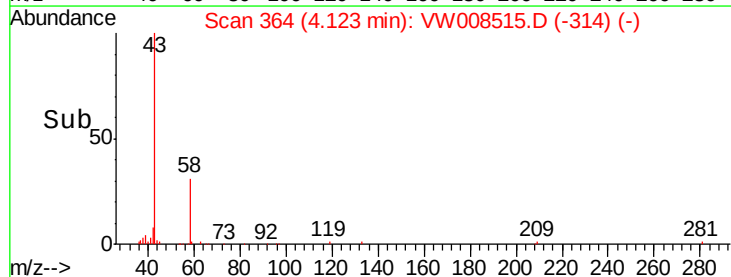
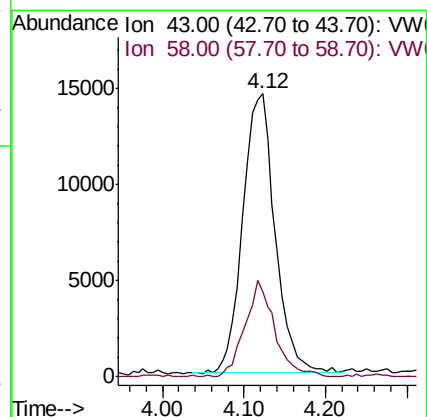
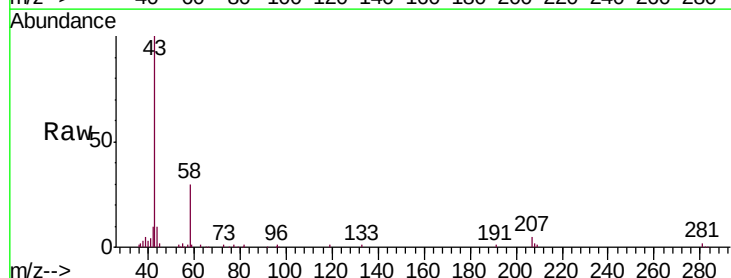
Acq: 04 Feb 2019 21:16

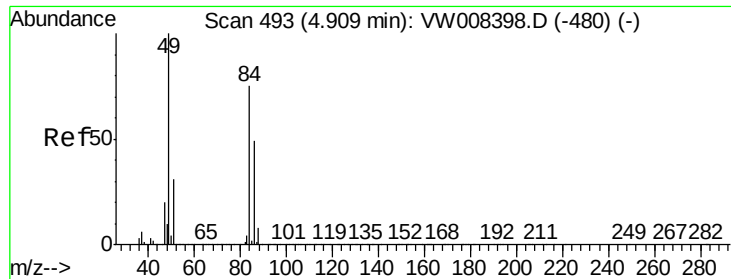
Tgt Ion: 43 Resp: 40079

Ion Ratio Lower Upper

43 100

58 30.6 22.6 34.0

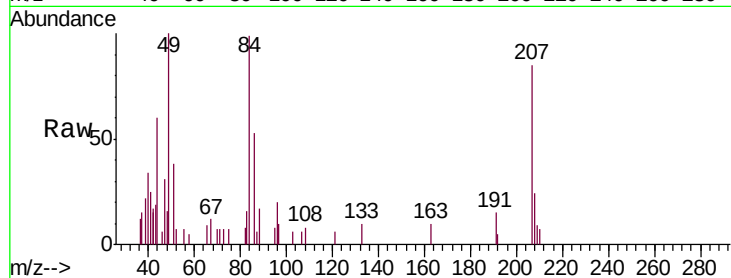




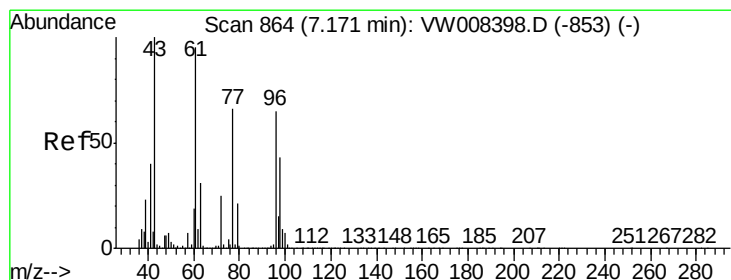
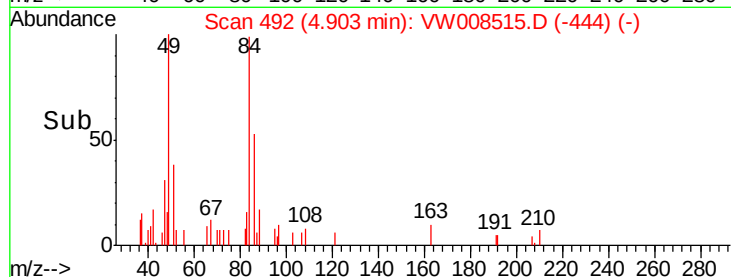
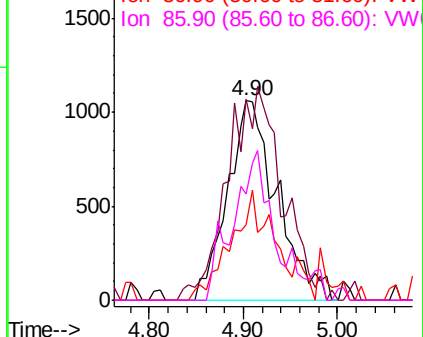
#20
Methylene Chloride
Concen: 1.070 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008515.D
Acq: 04 Feb 2019 21:16

Instrument :
MSVOA_W
ClientSampleId :
CL-02-020419-C

Tgt Ion: 84 Resp: 3894
Ion Ratio Lower Upper
84 100
49 100.8 106.8 160.2#
51 38.0 32.9 49.3
86 53.5 52.2 78.2

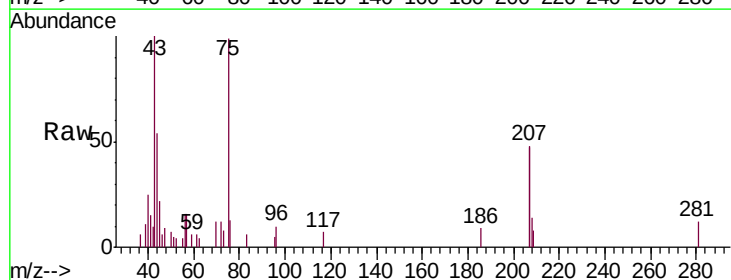


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

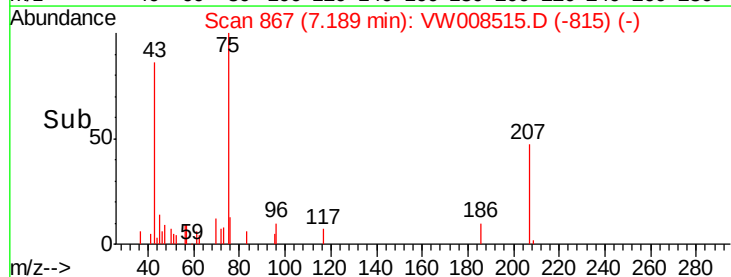
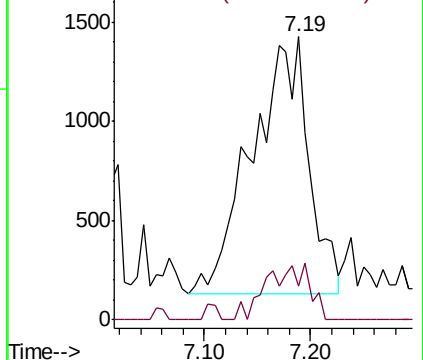


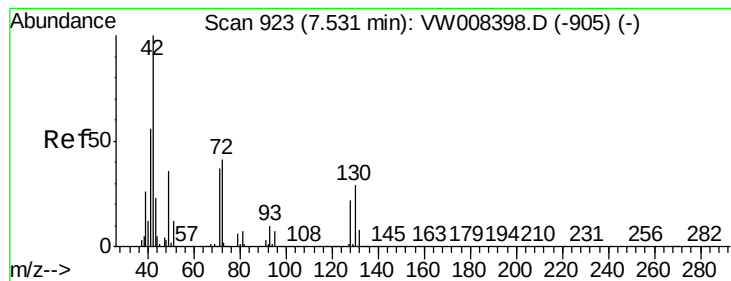
#25
2-Butanone
Concen: 4.379 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW008515.D
Acq: 04 Feb 2019 21:16

Tgt Ion: 43 Resp: 4801
Ion Ratio Lower Upper
43 100
72 12.9 20.1 30.1#



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





#29

Tetrahydrofuran

Concen: 2.389 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW008515.D

Acq: 04 Feb 2019 21:16

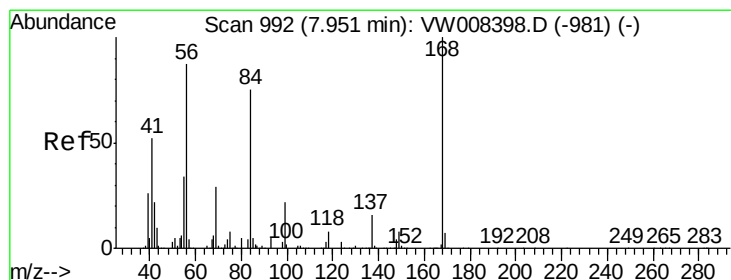
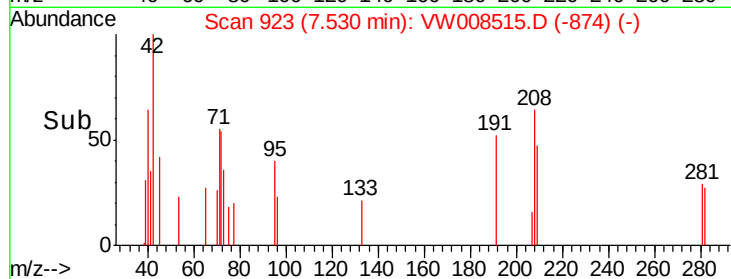
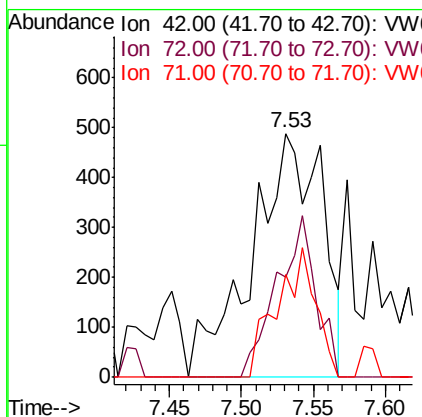
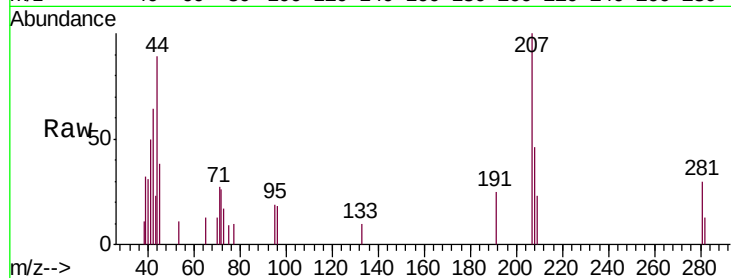
Instrument :

MSVOA_W

ClientSampleId :

CL-02-020419-C

Tgt Ion:	42	Resp:	1660
Ion	Ratio	Lower	Upper
42	100		
72	36.6	31.9	47.9
71	29.3	29.9	44.9#



#31

Cyclohexane

Concen: 1.200 ug/l

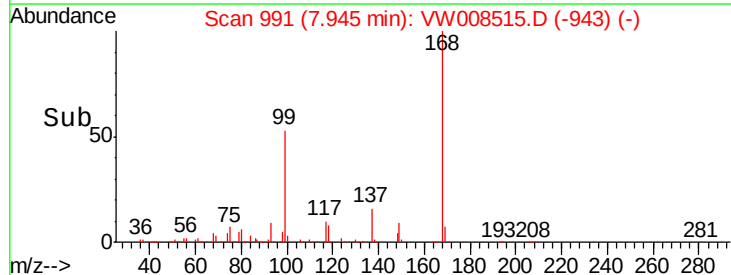
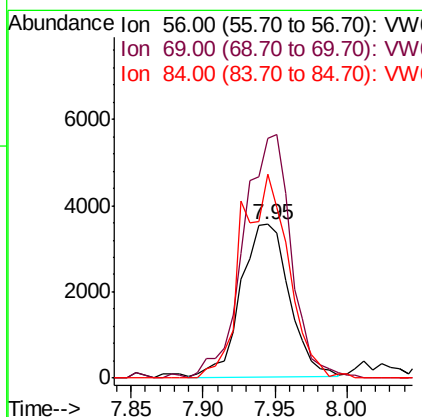
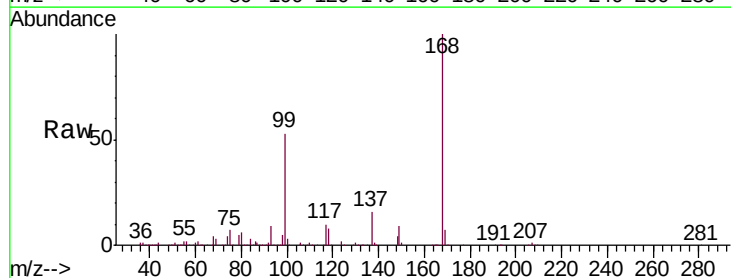
RT: 7.95 min Scan# 991

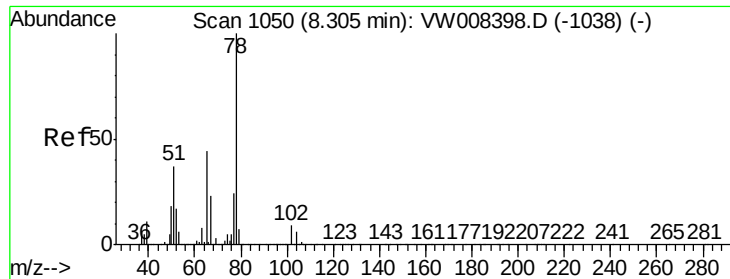
Delta R.T. -0.01 min

Lab File: VW008515.D

Acq: 04 Feb 2019 21:16

Tgt Ion:	56	Resp:	8275
Ion	Ratio	Lower	Upper
56	100		
69	158.3	26.4	39.6#
84	134.6	69.1	103.7#

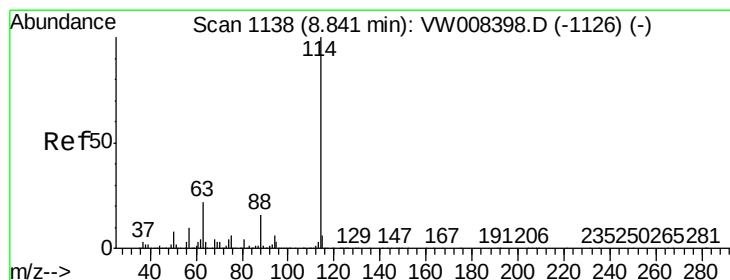
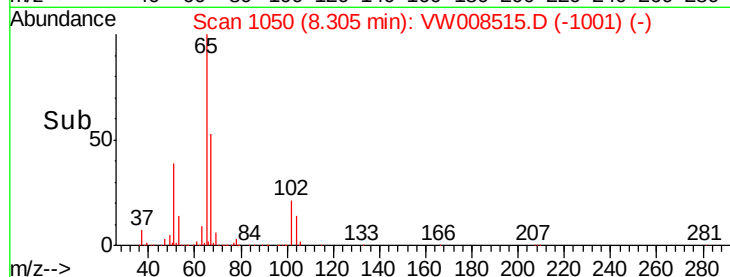
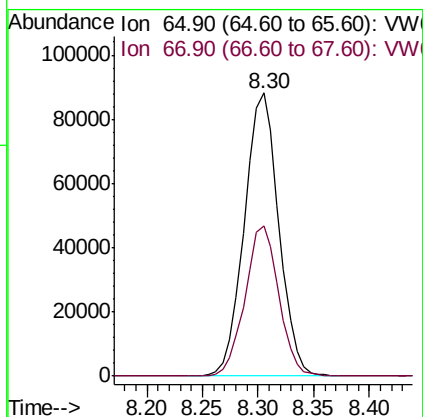
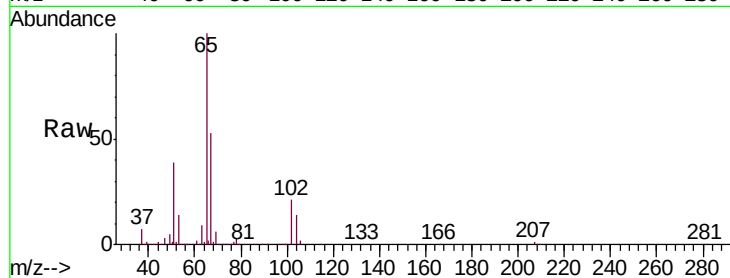




#33
 1,2-Dichloroethane-d4
 Concen: 53.989 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008515.D
 Acq: 04 Feb 2019 21:16

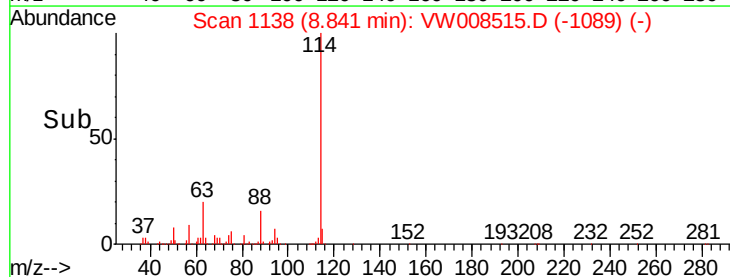
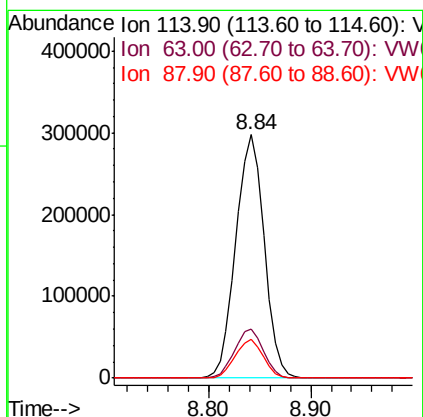
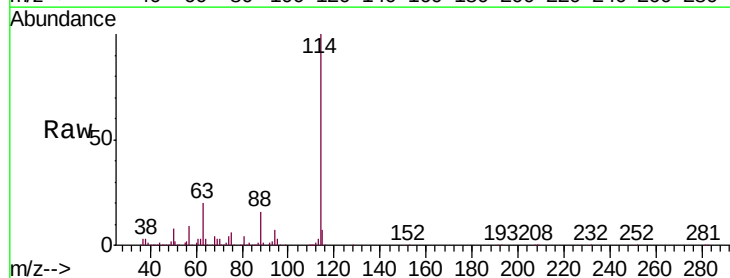
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-020419-C

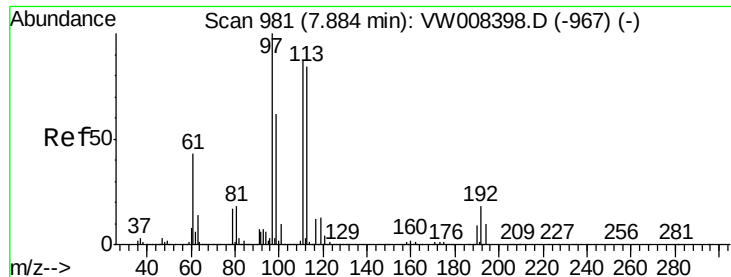
Tgt Ion: 65 Resp: 189752
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008515.D
 Acq: 04 Feb 2019 21:16

Tgt Ion: 114 Resp: 573838
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 43.6
 88 15.8 0.0 31.8

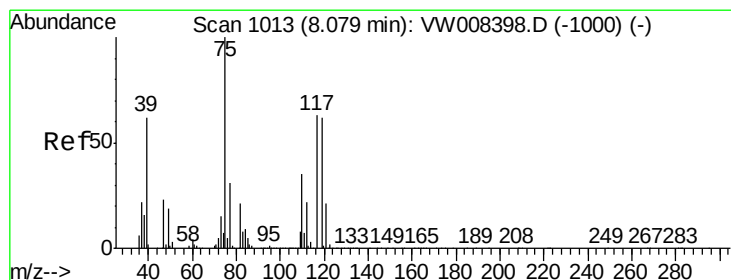
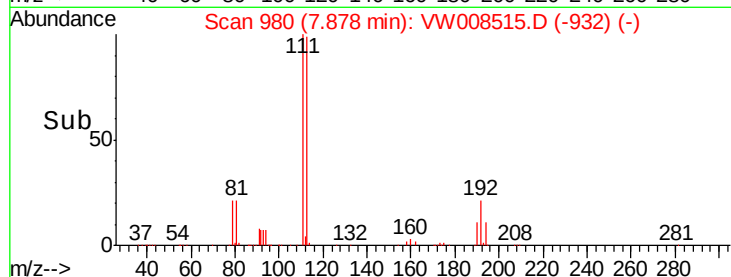
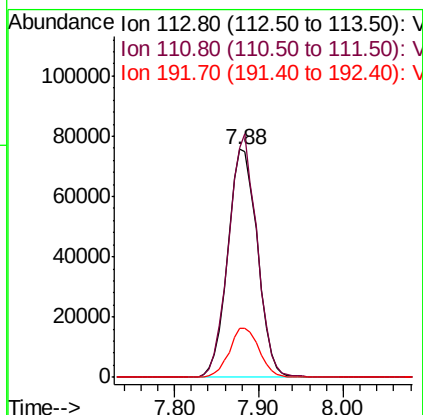
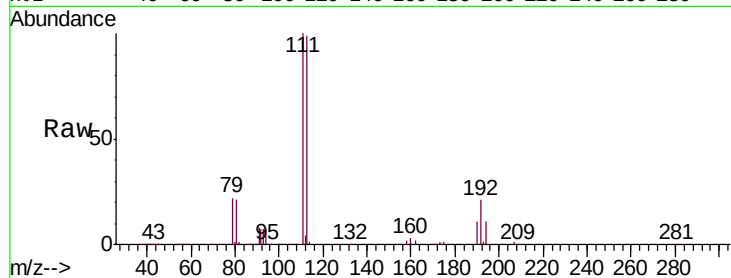




#35
 Dibromofluoromethane
 Concen: 53.878 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008515.D
 Acq: 04 Feb 2019 21:16

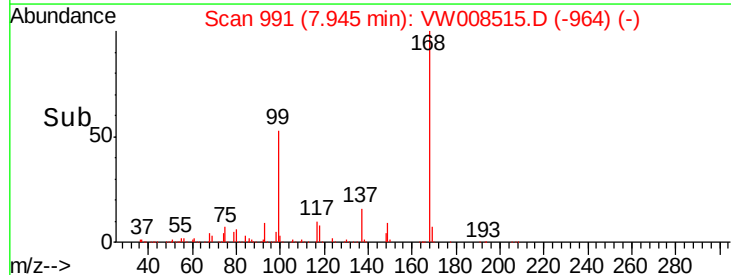
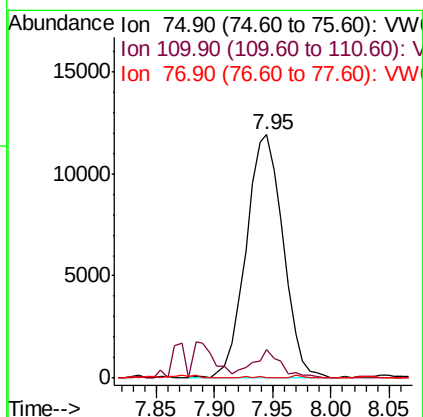
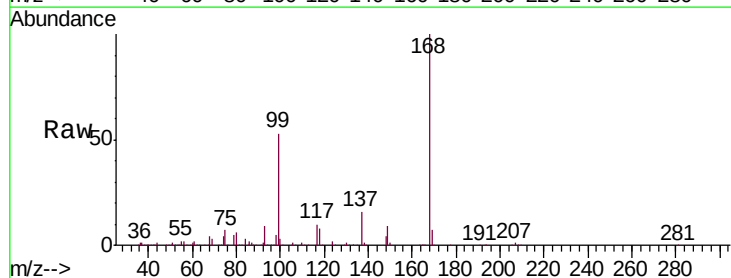
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-020419-C

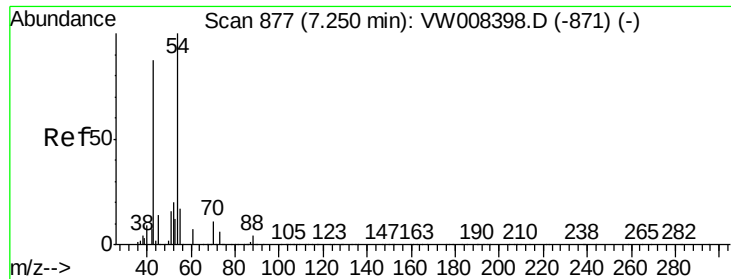
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.0	121.4
192	21.6	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 4.859 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008515.D
 Acq: 04 Feb 2019 21:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.3	52.0#
77	0.0	24.7	37.1#

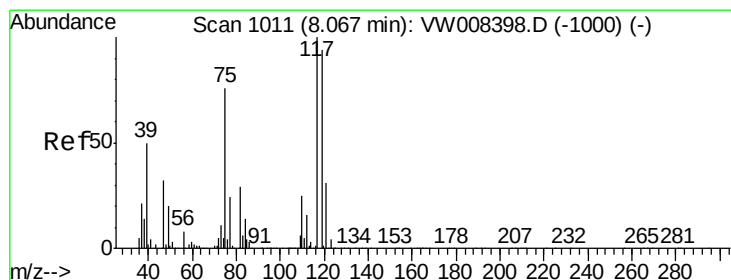
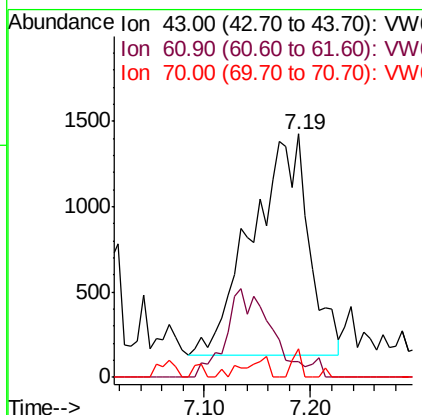
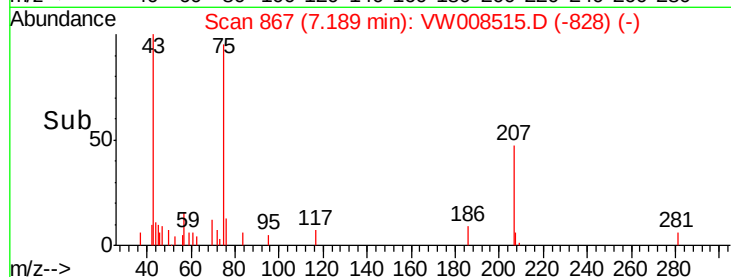
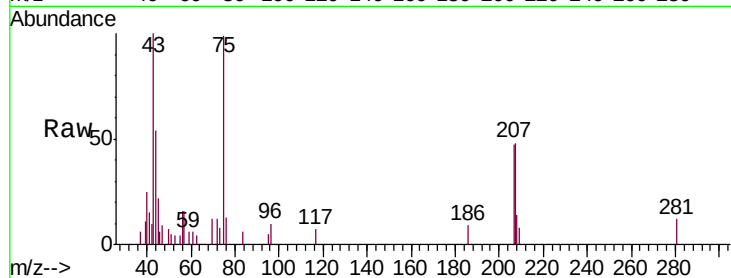




#37
Ethyl Acetate
Concen: 2.002 ug/l
RT: 7.19 min Scan# 867
Delta R.T. -0.06 min
Lab File: VW008515.D
Acq: 04 Feb 2019 21:16

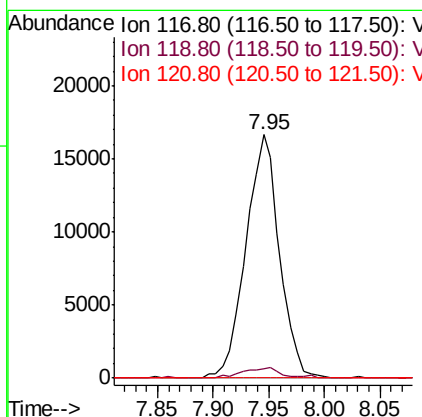
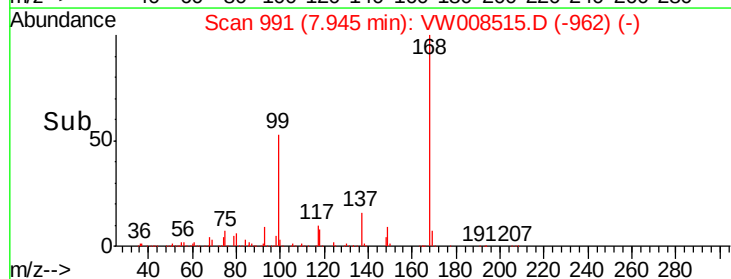
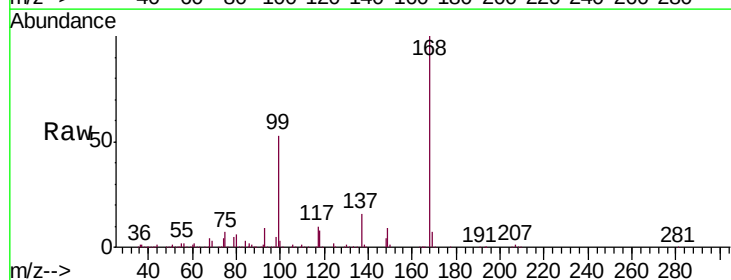
Instrument :
MSVOA_W
ClientSampleId :
CL-02-020419-C

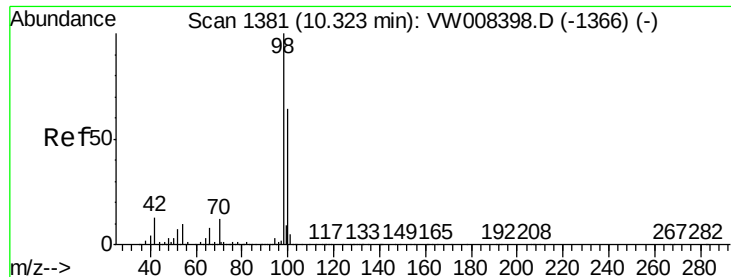
Tgt Ion: 43 Resp: 4801
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 2.1 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 6.380 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008515.D
Acq: 04 Feb 2019 21:16

Tgt Ion: 117 Resp: 34802
Ion Ratio Lower Upper
117 100
119 3.8 75.0 112.4#
121 0.0 24.9 37.3#

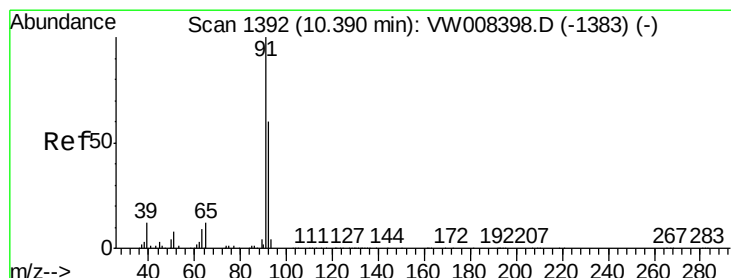
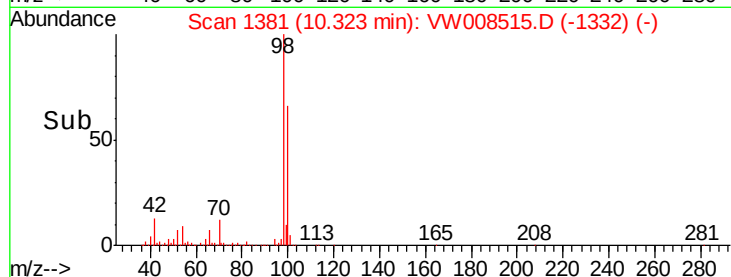
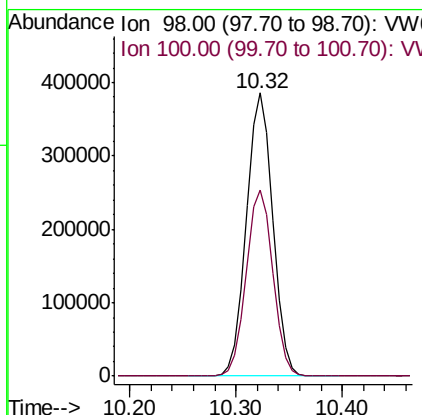
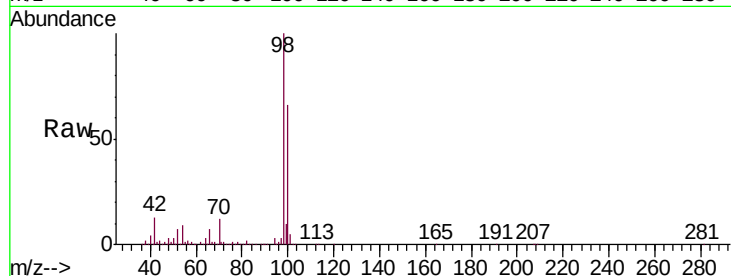




#50
Toluene-d8
Concen: 50.019 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008515.D
Acq: 04 Feb 2019 21:16

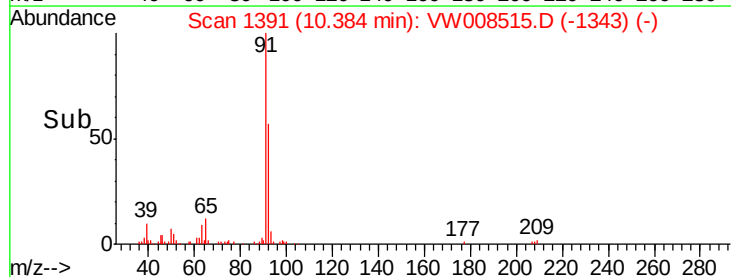
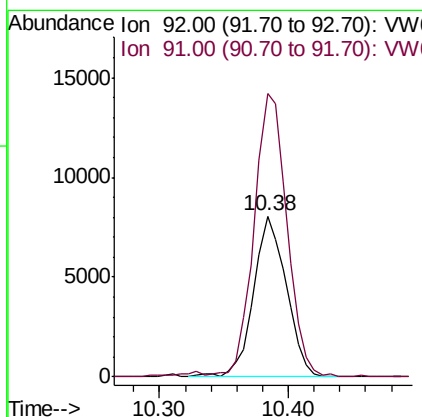
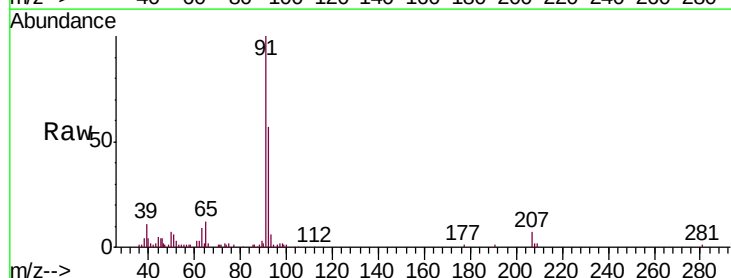
Instrument :
MSVOA_W
ClientSampleId :
CL-02-020419-C

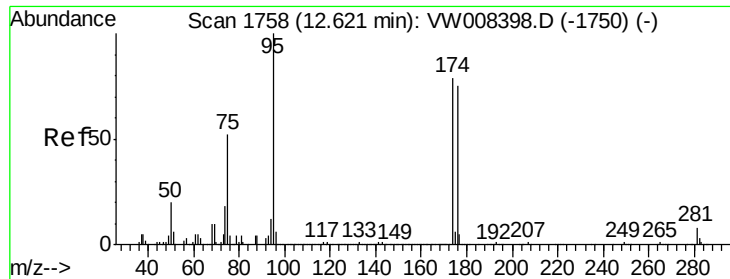
Tgt Ion: 98 Resp: 673025
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



#52
Toluene
Concen: 1.429 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008515.D
Acq: 04 Feb 2019 21:16

Tgt Ion: 92 Resp: 14188
Ion Ratio Lower Upper
92 100
91 176.0 135.5 203.3

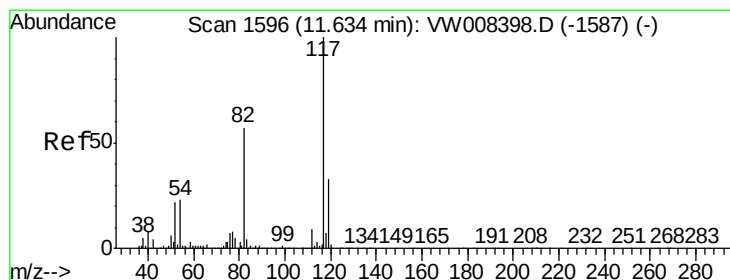
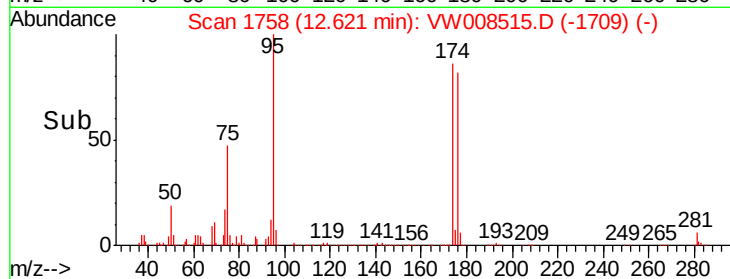
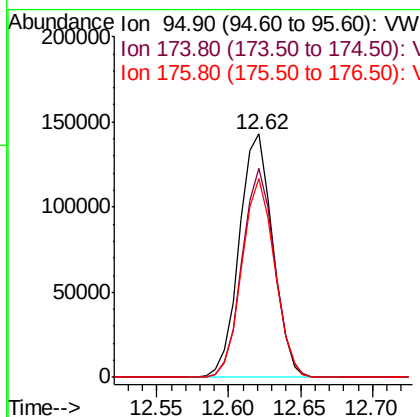
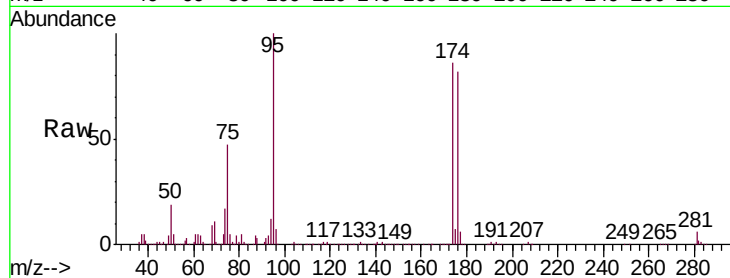




#62
4-Bromofluorobenzene
Concen: 44.291 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008515.D
Acq: 04 Feb 2019 21:16

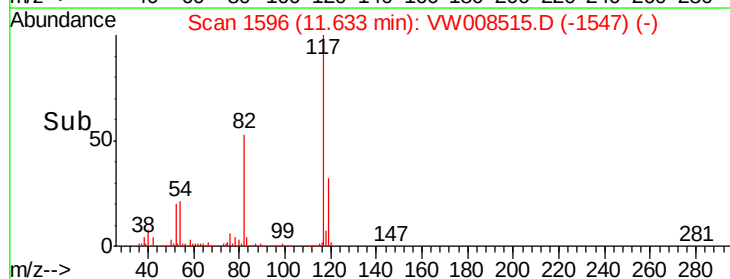
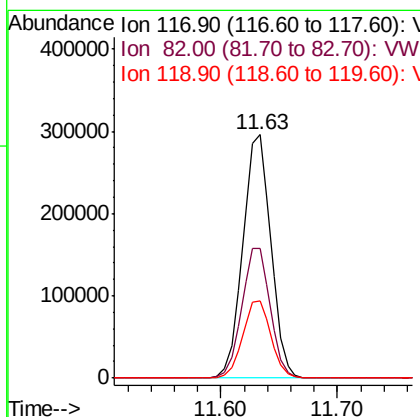
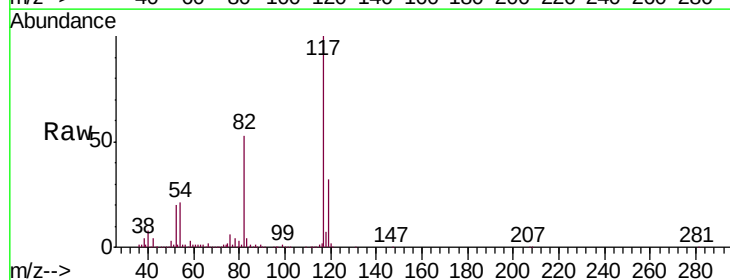
Instrument :
MSVOA_W
ClientSampleId :
CL-02-020419-C

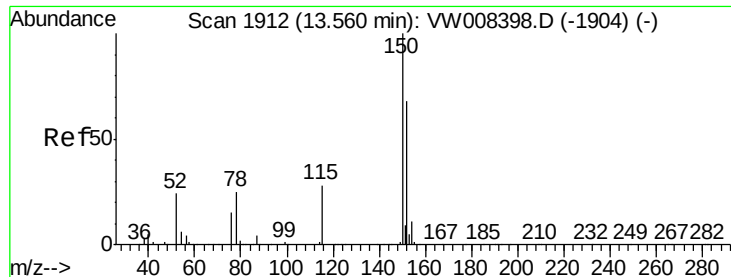
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	157.6
176	80.5	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008515.D
Acq: 04 Feb 2019 21:16

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.2	45.4	68.0
119	31.8	26.2	39.4



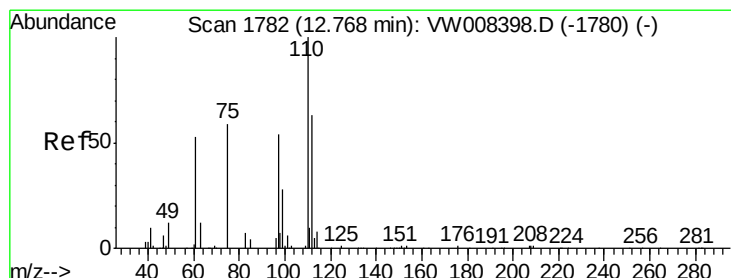
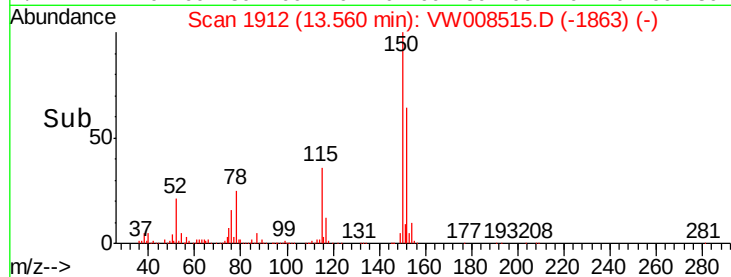
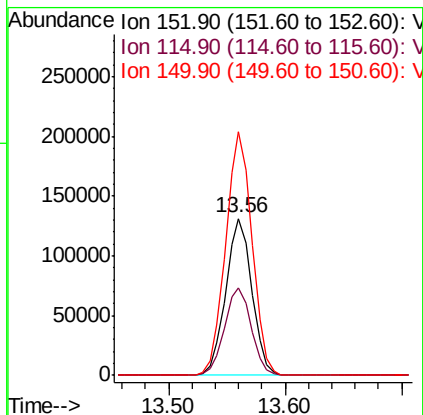
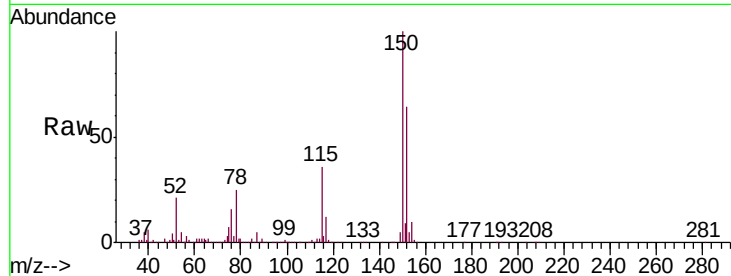


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008515.D
Acq: 04 Feb 2019 21:16

Instrument :
MSVOA_W
ClientSampleId :
CL-02-020419-C

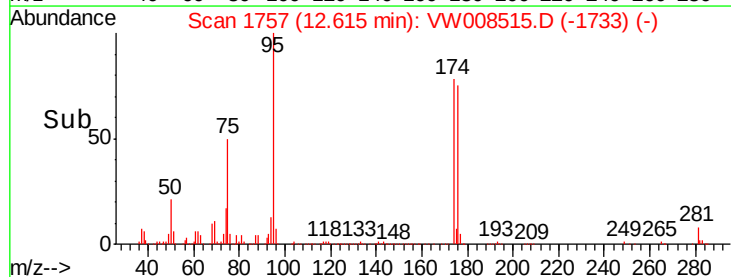
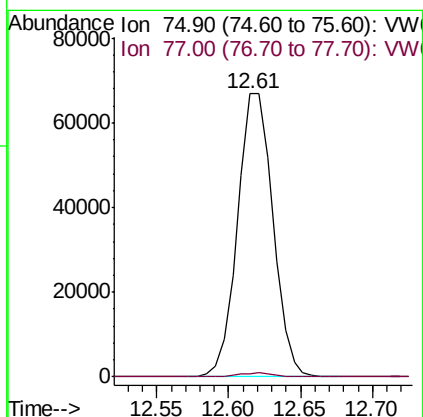
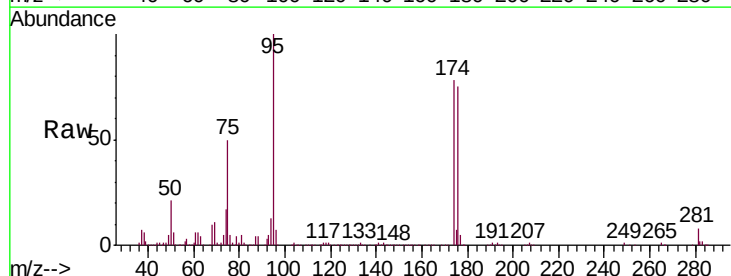
Tgt Ion: 152 Resp: 204071
Ion Ratio Lower Upper
152 100
115 56.8 29.9 89.7
150 156.4 0.0 351.4

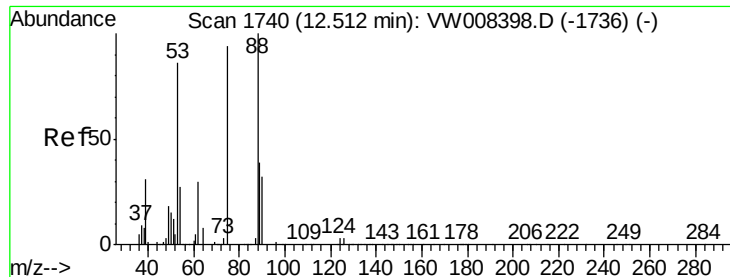


#76

1,2,3-Trichloropropane
Concen: 64.392 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW008515.D
Acq: 04 Feb 2019 21:16

Tgt Ion: 75 Resp: 114248
Ion Ratio Lower Upper
75 100
77 1.5 180.7 542.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 127.180 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008515.D

Acq: 04 Feb 2019 21:16

Instrument :

MSVOA_W

ClientSampleId :

CL-02-020419-C

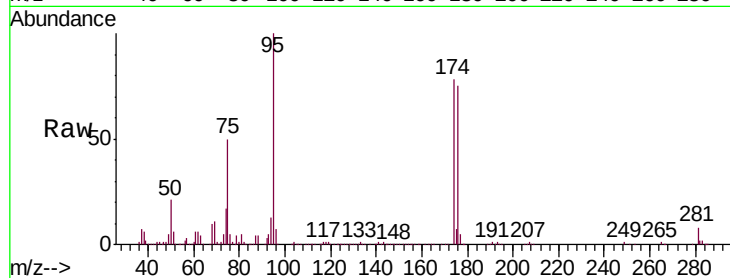
Tgt Ion: 75 Resp: 114248

Ion Ratio Lower Upper

75 100

53 0.2 76.0 114.0#

89 0.1 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

