

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
 Data File : VD064095.D
 Acq On : 29 Oct 2019 18:14
 Operator : VA/SY
 Sample : K5563-02RE
 Misc : 4.15G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 30 08:08:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	257021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	407411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	398455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	177121	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	122843	60.10	ug/l	0.00
Spiked Amount			Recovery	=	120.20%	
35) Dibromofluoromethane	7.92	113	127972	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
50) Toluene-d8	10.34	98	497122	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.64	95	159610	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	

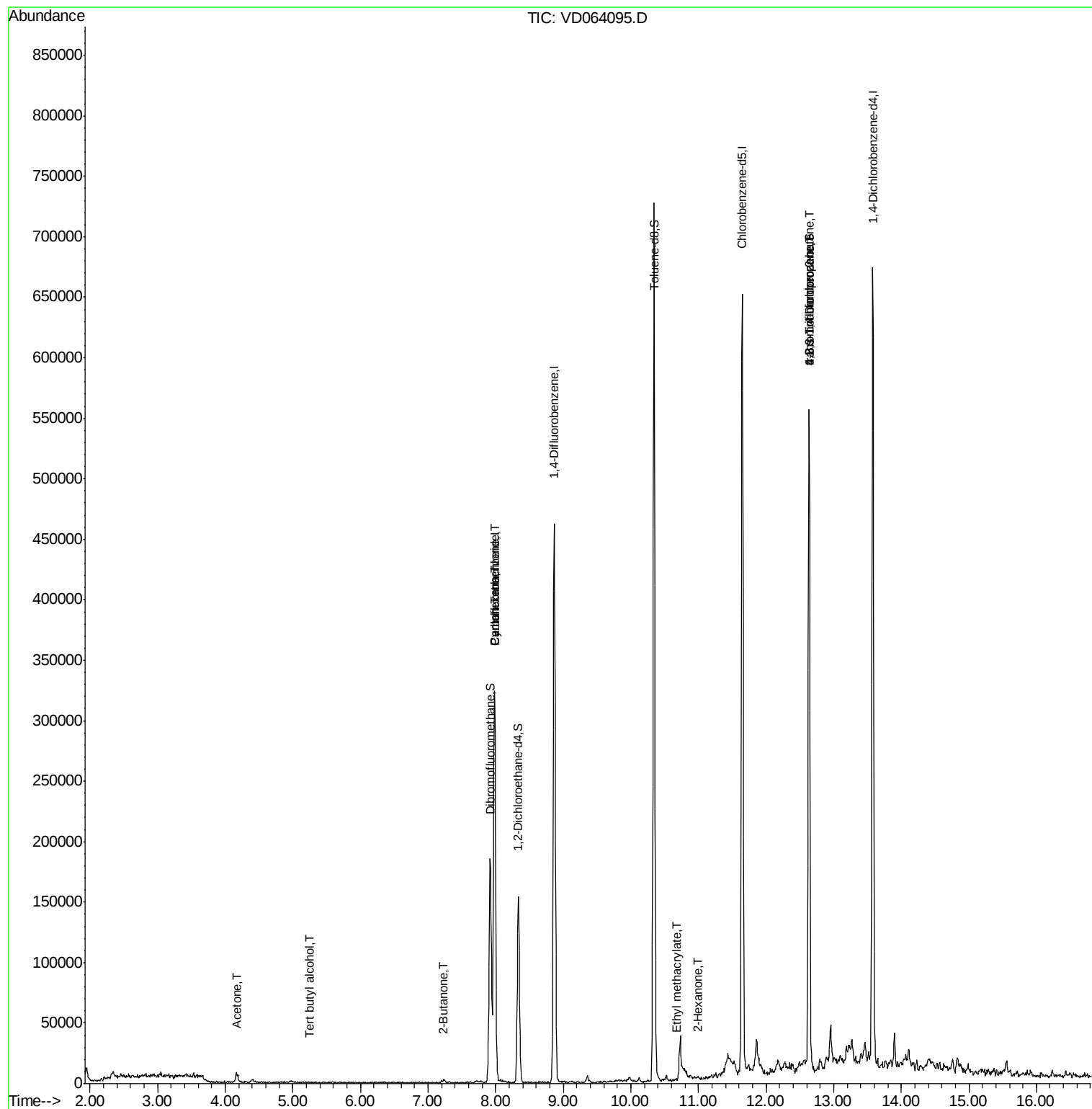
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	127	7.243	ug/l #	71
16) Acetone	4.17	43	13535	34.801	ug/l #	80
20) Methylene Chloride	4.97	84	877	Below Cal	#	62
25) 2-Butanone	7.22	43	3295	6.128	ug/l #	77
31) Cyclohexane	7.99	56	5916	1.556	ug/l #	62
38) Carbon Tetrachloride	7.98	117	24675	5.924	ug/l #	18
56) Ethyl methacrylate	10.68	69	675	3.272	ug/l #	29
59) 2-Hexanone	10.99	43	583	9.569	ug/l #	56
76) 1,2,3-Trichloropropane	12.63	75	84972	71.396	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	84972	145.809	ug/l #	15

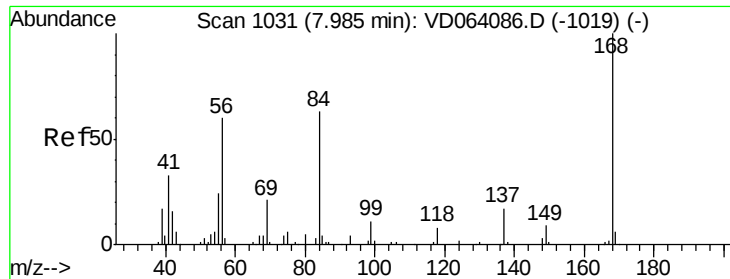
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064095.D

Acq: 29 Oct 2019 18:14

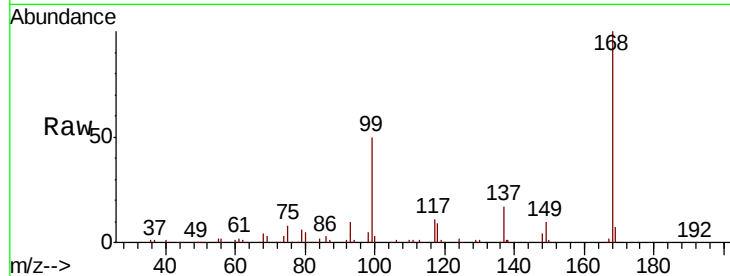
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 257021

Ion Ratio Lower Upper

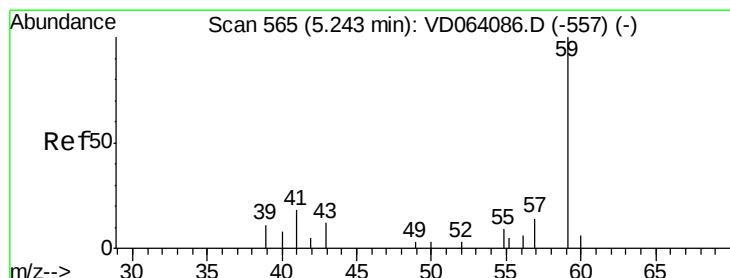
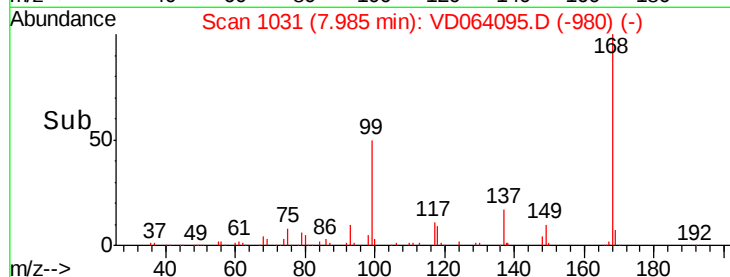
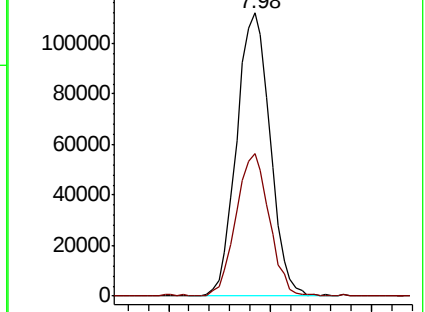
168 100

99 50.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 7.243 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD064095.D

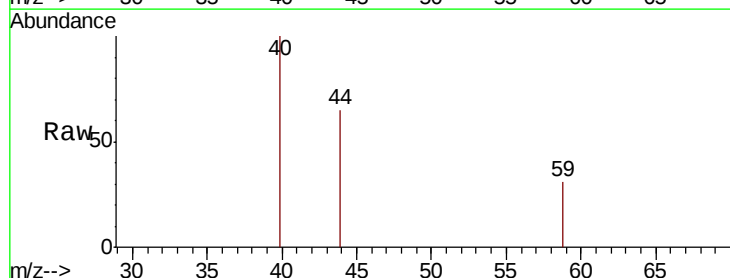
Acq: 29 Oct 2019 18:14

Tgt Ion: 59 Resp: 127

Ion Ratio Lower Upper

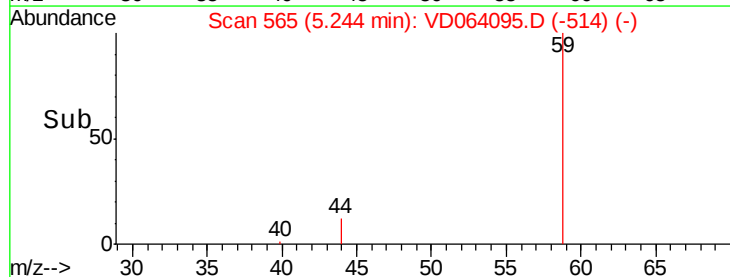
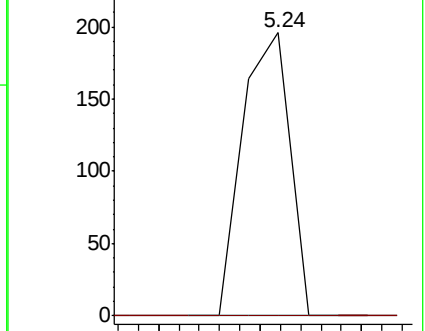
59 100

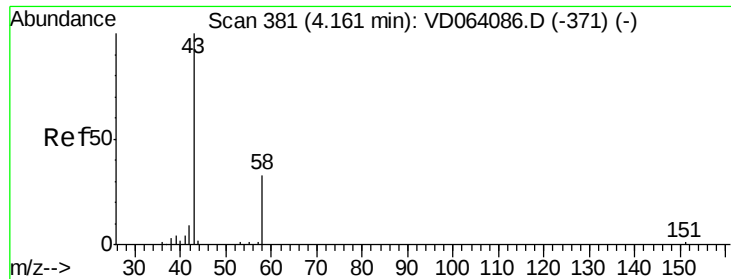
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 34.801 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD064095.D

Acq: 29 Oct 2019 18:14

Instrument :

MSVOA_D

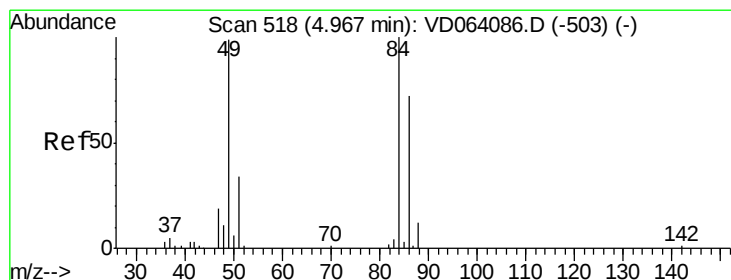
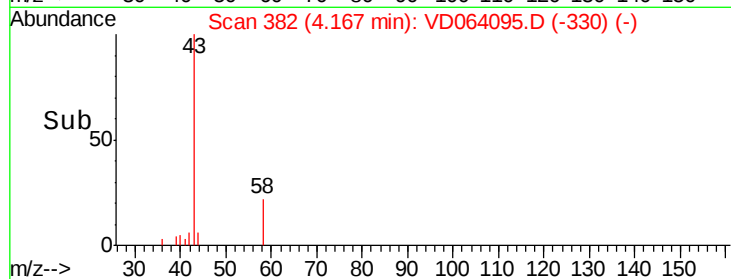
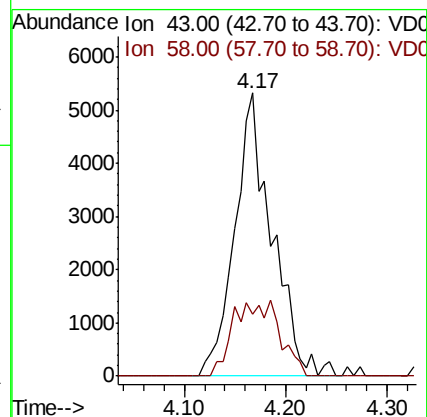
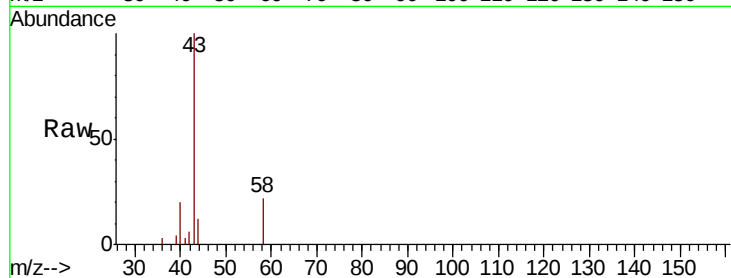
ClientSampleId :

Tot Ion: 43 Resp: 13535

Ion Ratio Lower Upper

43 100

58 21.7 26.3 39.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD064095.D

Acq: 29 Oct 2019 18:14

Tgt Ion: 84 Resp: 877

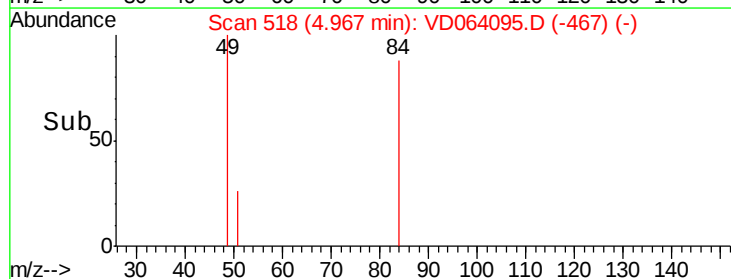
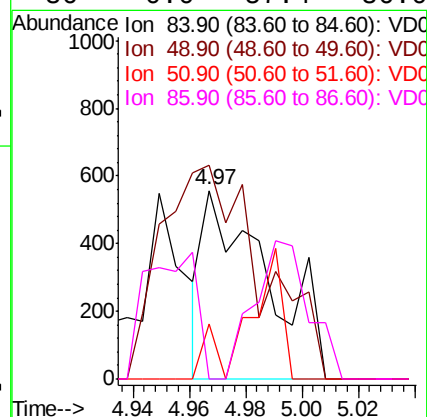
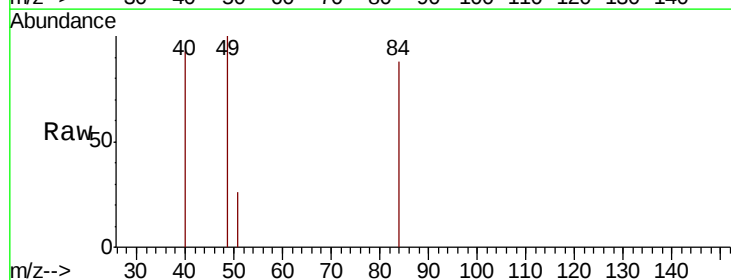
Ion Ratio Lower Upper

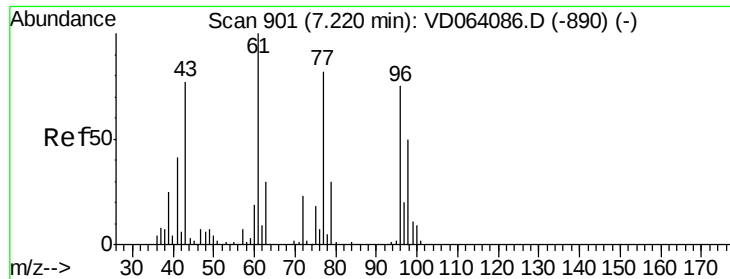
84 100

49 113.3 79.4 119.0

51 29.4 27.4 41.2

86 0.0 57.4 86.0#





#25

2-Butanone

Concen: 6.128 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064095.D

Acq: 29 Oct 2019 18:14

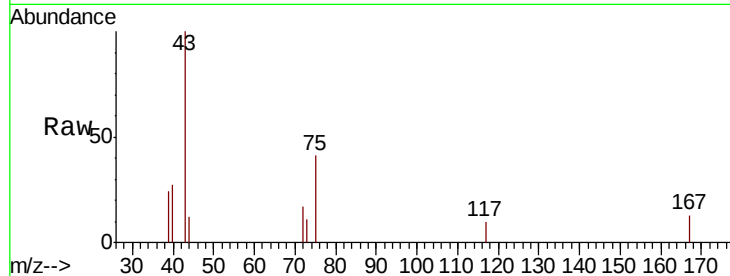
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 3295

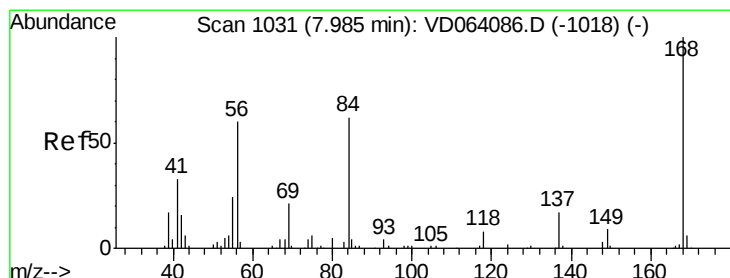
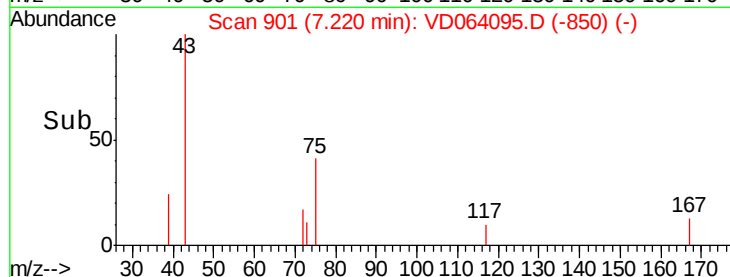
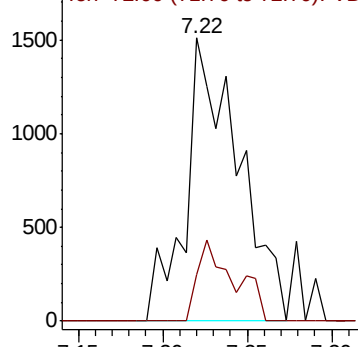
Ion Ratio Lower Upper

43 100

72 16.6 23.4 35.0#



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



#31

Cyclohexane

Concen: 1.556 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD064095.D

Acq: 29 Oct 2019 18:14

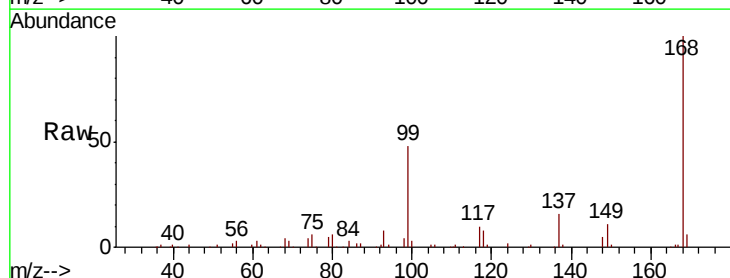
Tgt Ion: 56 Resp: 5916

Ion Ratio Lower Upper

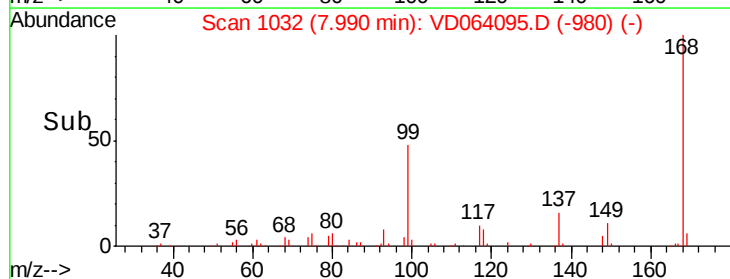
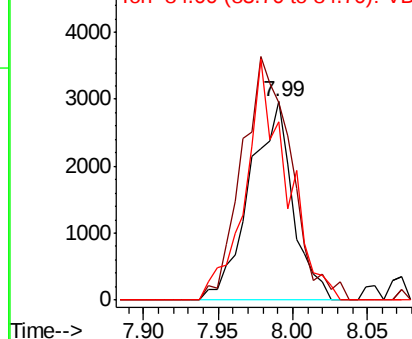
56 100

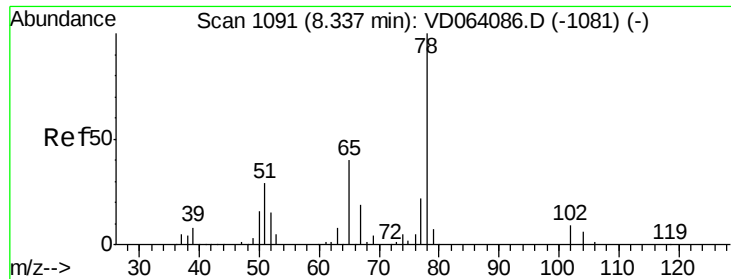
69 99.3 27.7 41.5#

84 90.2 83.1 124.7



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





#33

1,2-Dichloroethane-d4

Concen: 60.096 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064095.D

Acq: 29 Oct 2019 18:14

Instrument :

MSVOA_D

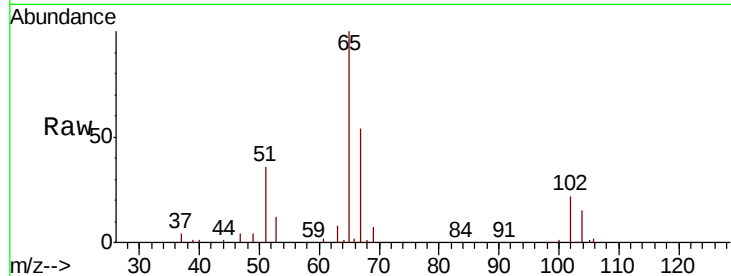
ClientSampleId :

Tot Ion: 65 Resp: 122843

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

60000

50000

40000

30000

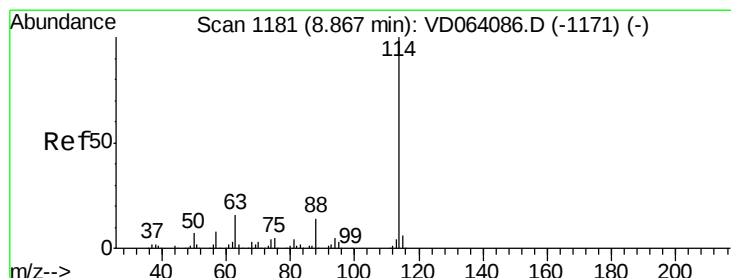
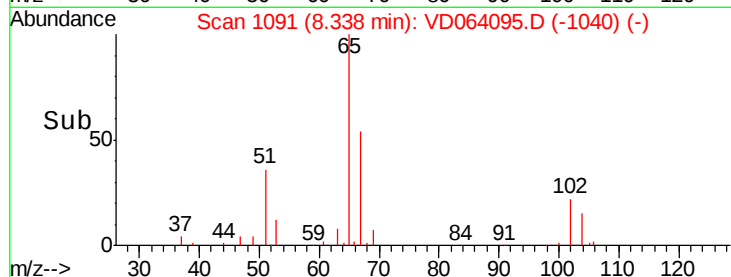
20000

10000

0

8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064095.D

Acq: 29 Oct 2019 18:14

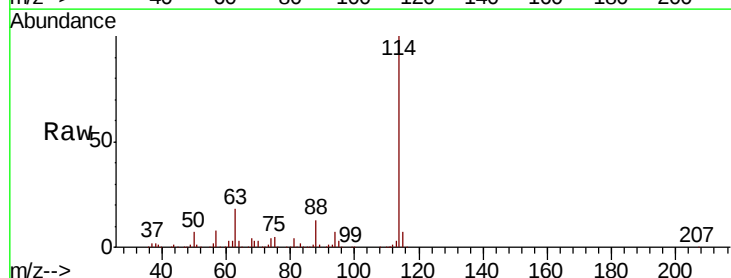
Tgt Ion: 114 Resp: 407411

Ion Ratio Lower Upper

114 100

63 18.1 0.0 32.8

88 13.2 0.0 27.6



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

250000

200000

150000

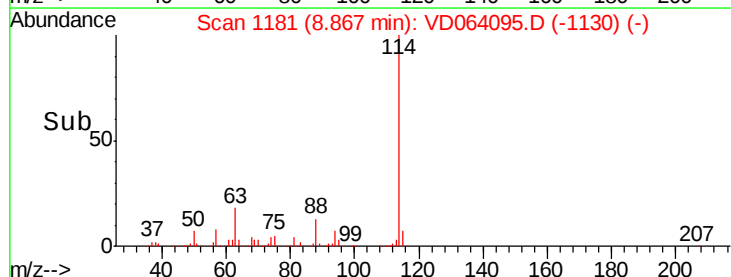
100000

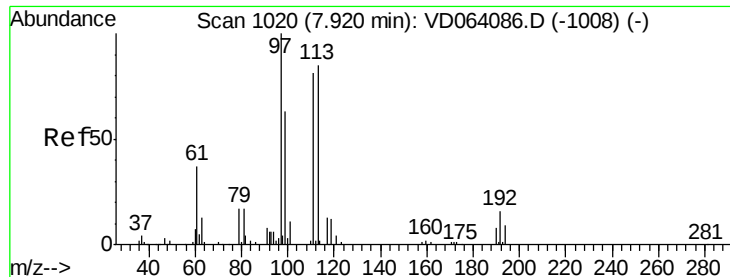
50000

0

8.80 8.90 9.00

Time-->

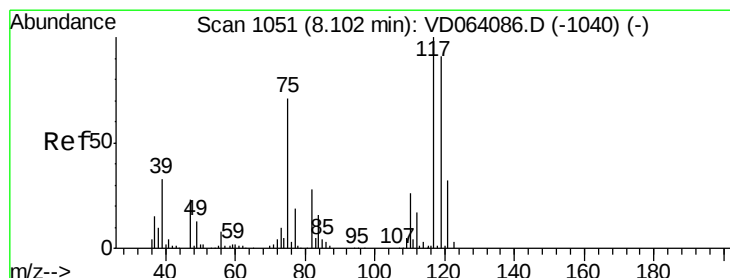
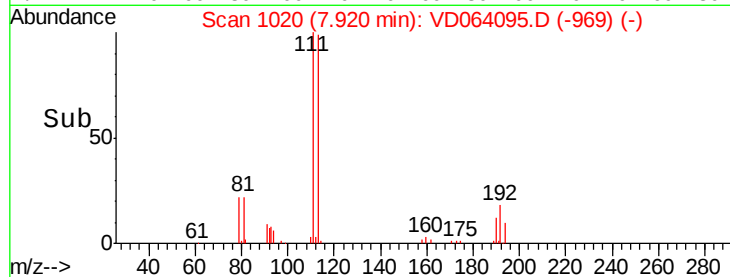
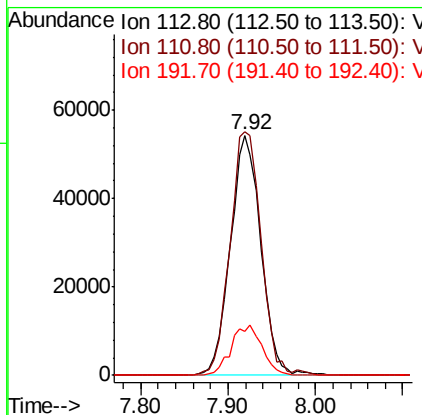
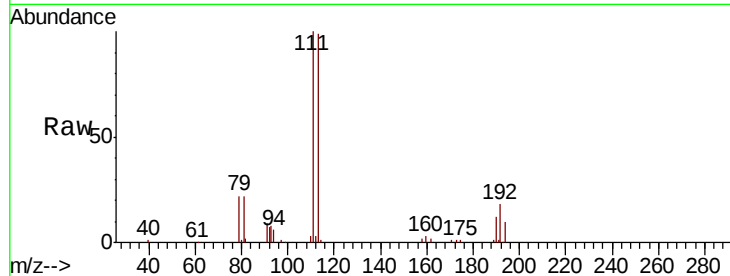




#35
 Dibromofluoromethane
 Concen: 51.056 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064095.D
 Acq: 29 Oct 2019 18:14

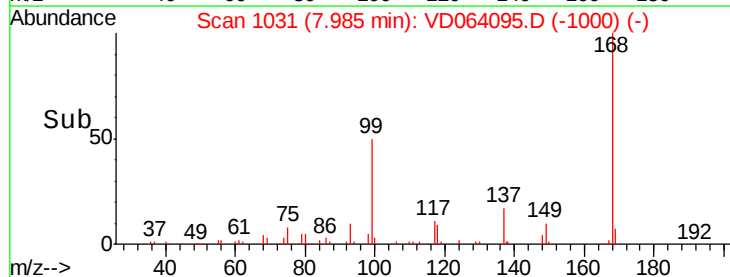
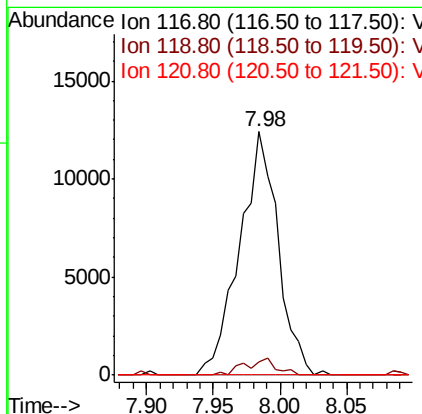
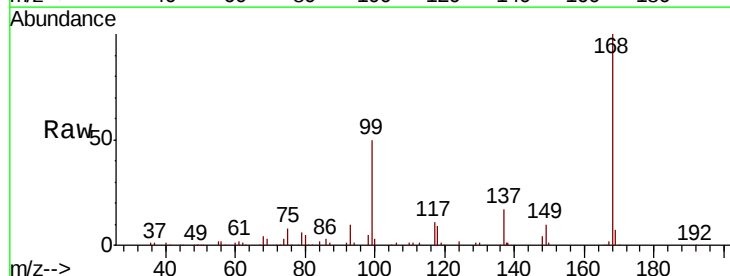
Instrument :
 MSVOA_D
 ClientSampleId :

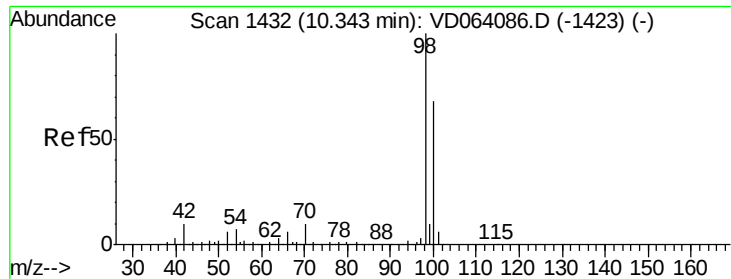
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	79.3	118.9
192	21.3	16.2	24.2



#38
 Carbon Tetrachloride
 Concen: 5.924 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD064095.D
 Acq: 29 Oct 2019 18:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	72.6	108.8#
121	0.0	25.8	38.6#

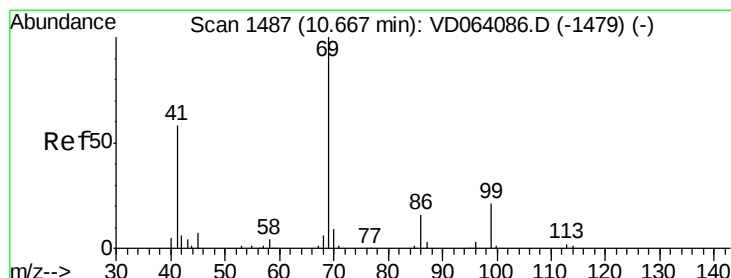
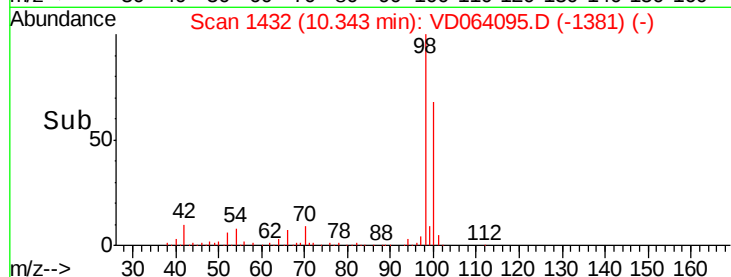
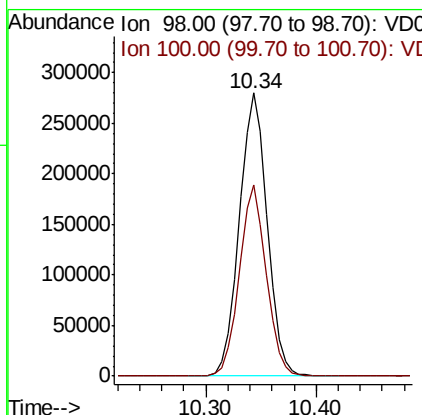
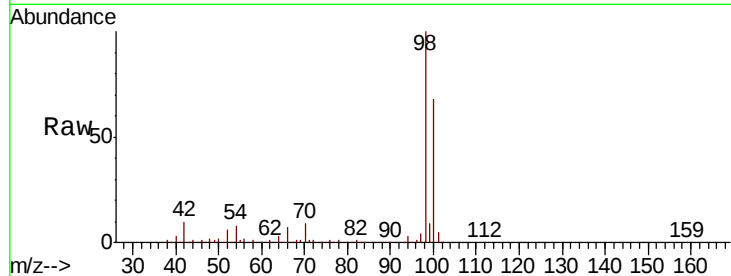




#50
Toluene-d8
Concen: 49.593 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064095.D
Acq: 29 Oct 2019 18:14

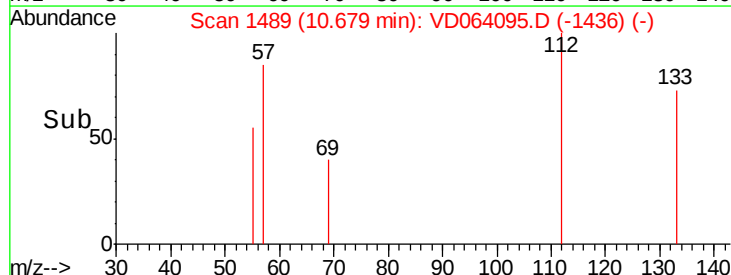
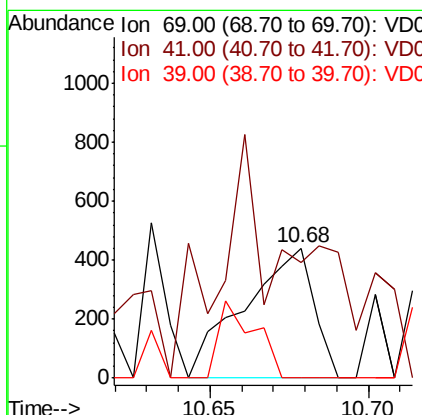
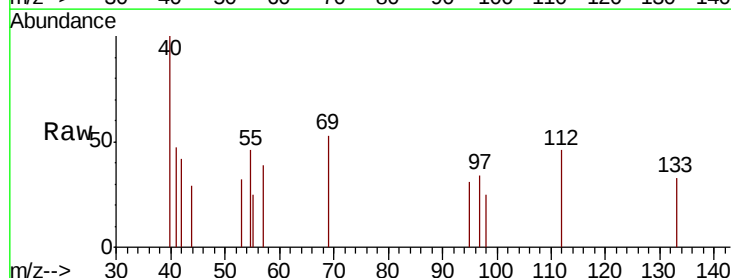
Instrument :
MSVOA_D
ClientSampleId :

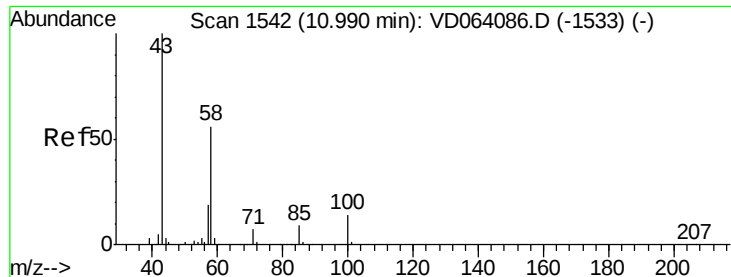
Tot Ion: 98 Resp: 497122
Ion Ratio Lower Upper
98 100
100 65.2 53.4 80.0



#56
Ethyl methacrylate
Concen: 3.272 ug/l
RT: 10.68 min Scan# 1489
Delta R.T. 0.01 min
Lab File: VD064095.D
Acq: 29 Oct 2019 18:14

Tgt Ion: 69 Resp: 675
Ion Ratio Lower Upper
69 100
41 0.0 46.9 70.3#
39 0.0 27.3 40.9#

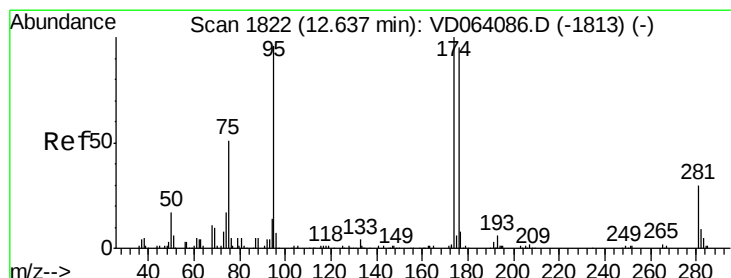
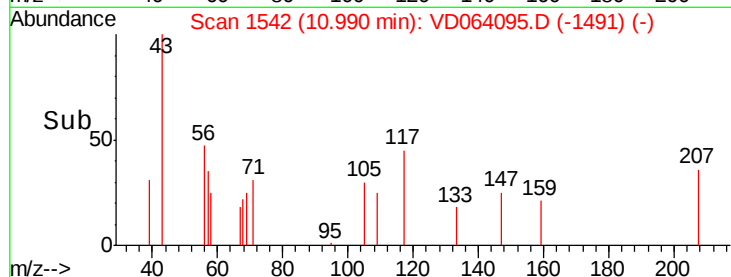
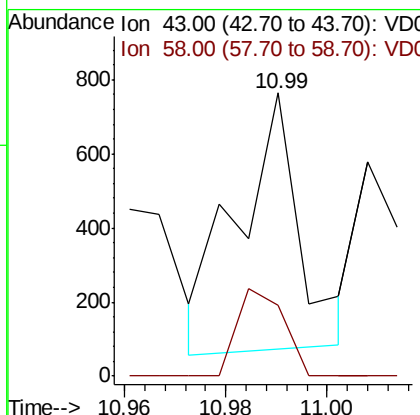
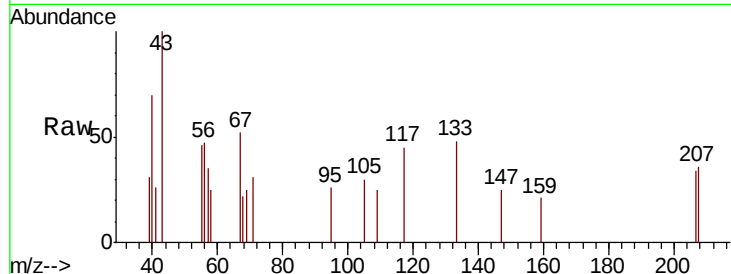




#59
2-Hexanone
Concen: 9.569 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064095.D
Acq: 29 Oct 2019 18:14

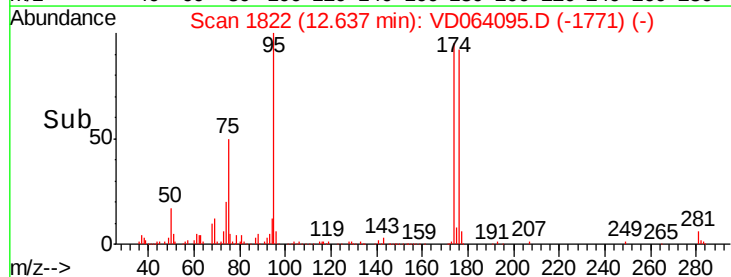
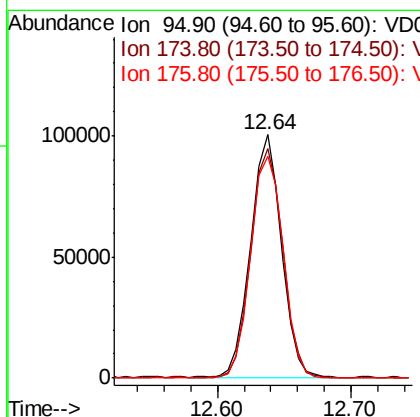
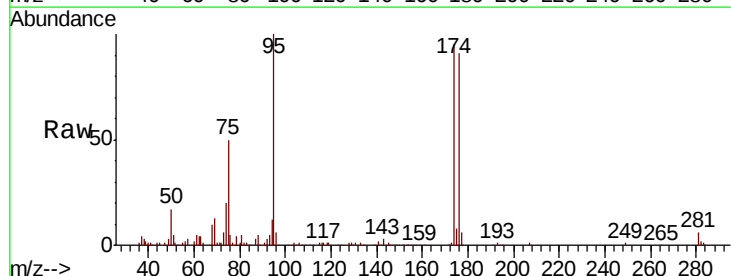
Instrument :
MSVOA_D
ClientSampled :

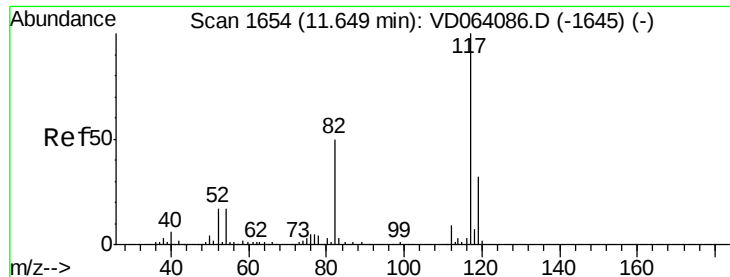
Tot Ion: 43 Resp: 583
Ion Ratio Lower Upper
43 100
58 25.9 29.2 87.6#



#62
4-Bromofluorobenzene
Concen: 48.028 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064095.D
Acq: 29 Oct 2019 18:14

Tgt Ion: 95 Resp: 159610
Ion Ratio Lower Upper
95 100
174 98.0 0.0 201.6
176 96.5 0.0 192.6

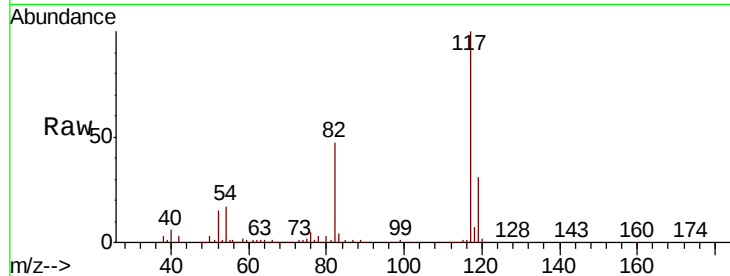




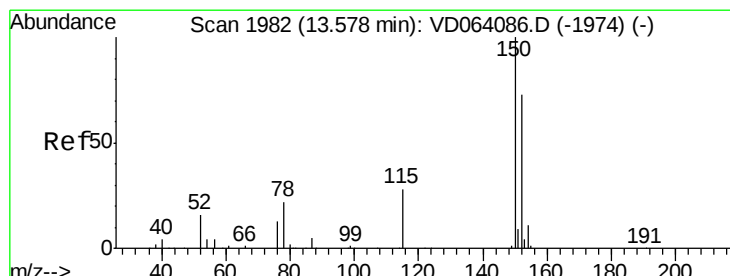
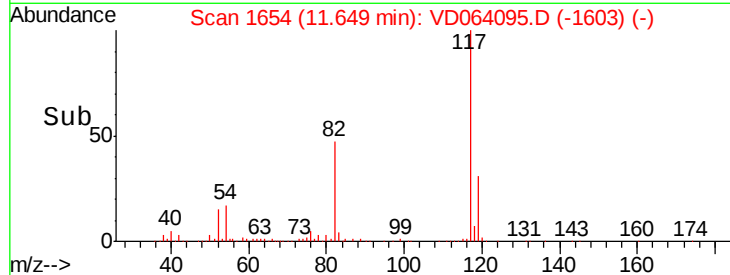
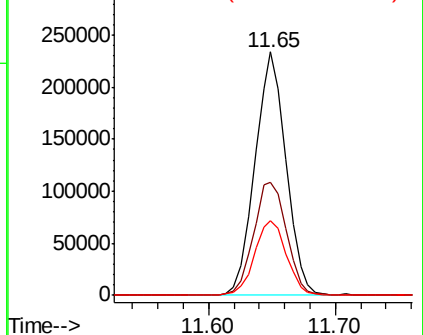
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064095.D
Acq: 29 Oct 2019 18:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	46.7	40.2	60.4
119	30.5	26.0	39.0

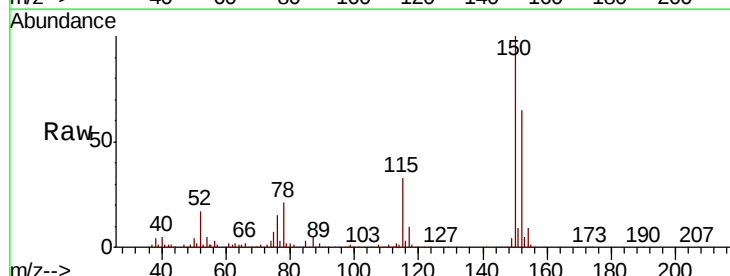


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

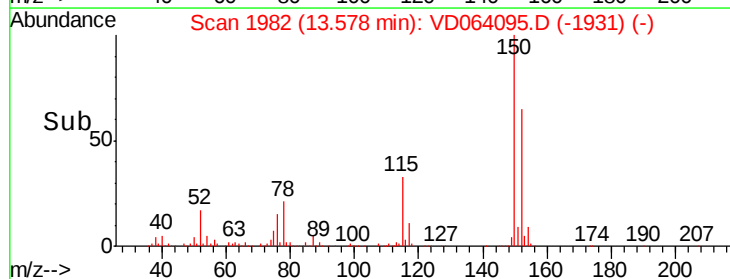
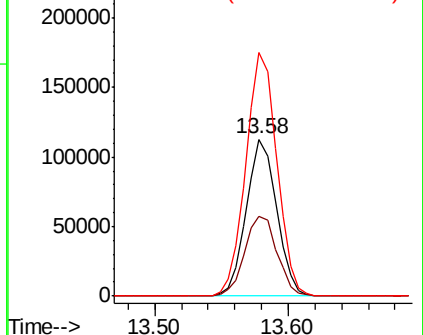


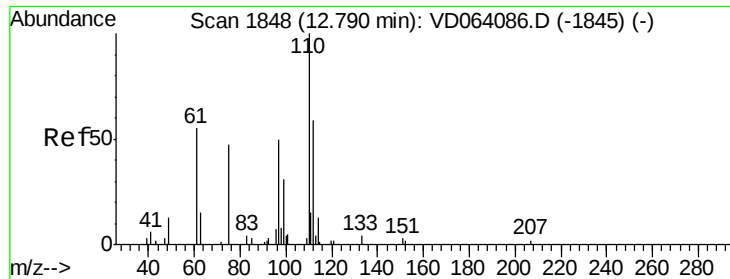
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064095.D
Acq: 29 Oct 2019 18:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	26.2	78.6
150	158.4	0.0	338.8



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





#76

1,2,3-Trichloropropane

Concen: 71.396 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.16 min

Lab File: VD064095.D

Acq: 29 Oct 2019 18:14

Instrument :

MSVOA_D

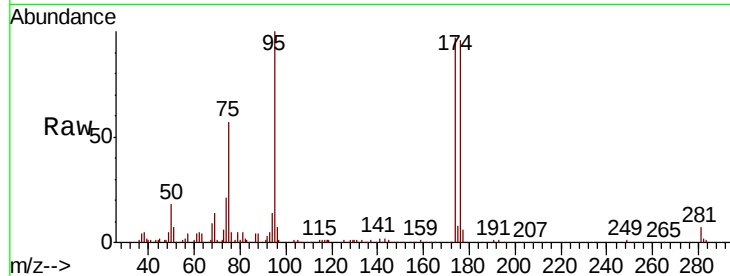
ClientSampleId :

Tot Ion: 75 Resp: 84972

Ion Ratio Lower Upper

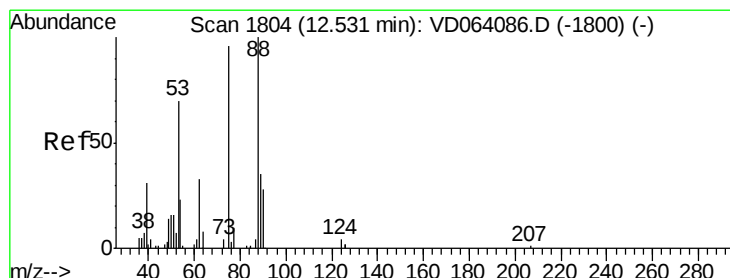
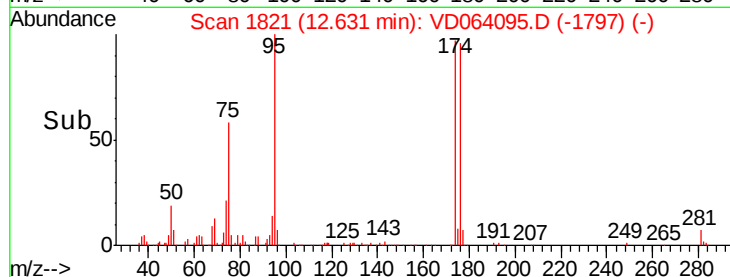
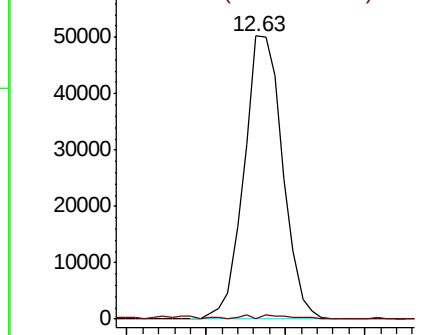
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 145.809 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD064095.D

Acq: 29 Oct 2019 18:14

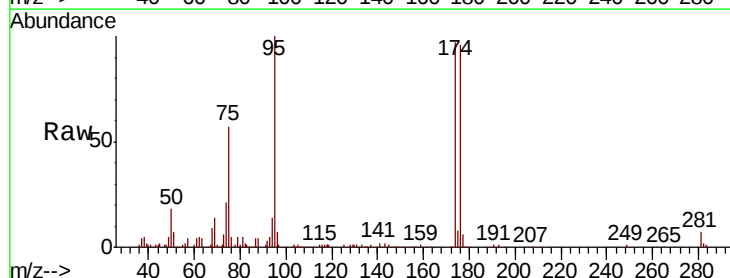
Tgt Ion: 75 Resp: 84972

Ion Ratio Lower Upper

75 100

53 0.3 68.6 103.0#

89 0.7 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

