

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010320\
 Data File : VD064753.D
 Acq On : 04 Jan 2020 01:35
 Operator : VA/SY
 Sample : K6465-04RE
 Misc : 7.98G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 06:51:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	185552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	281046	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	262870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	127367	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	118283	72.29	ug/l	0.00
Spiked Amount			Recovery	=	144.58%	
35) Dibromofluoromethane	7.92	113	96128	55.75	ug/l	0.00
Spiked Amount			Recovery	=	111.50%	
50) Toluene-d8	10.34	98	333612	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.64	95	109898	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	

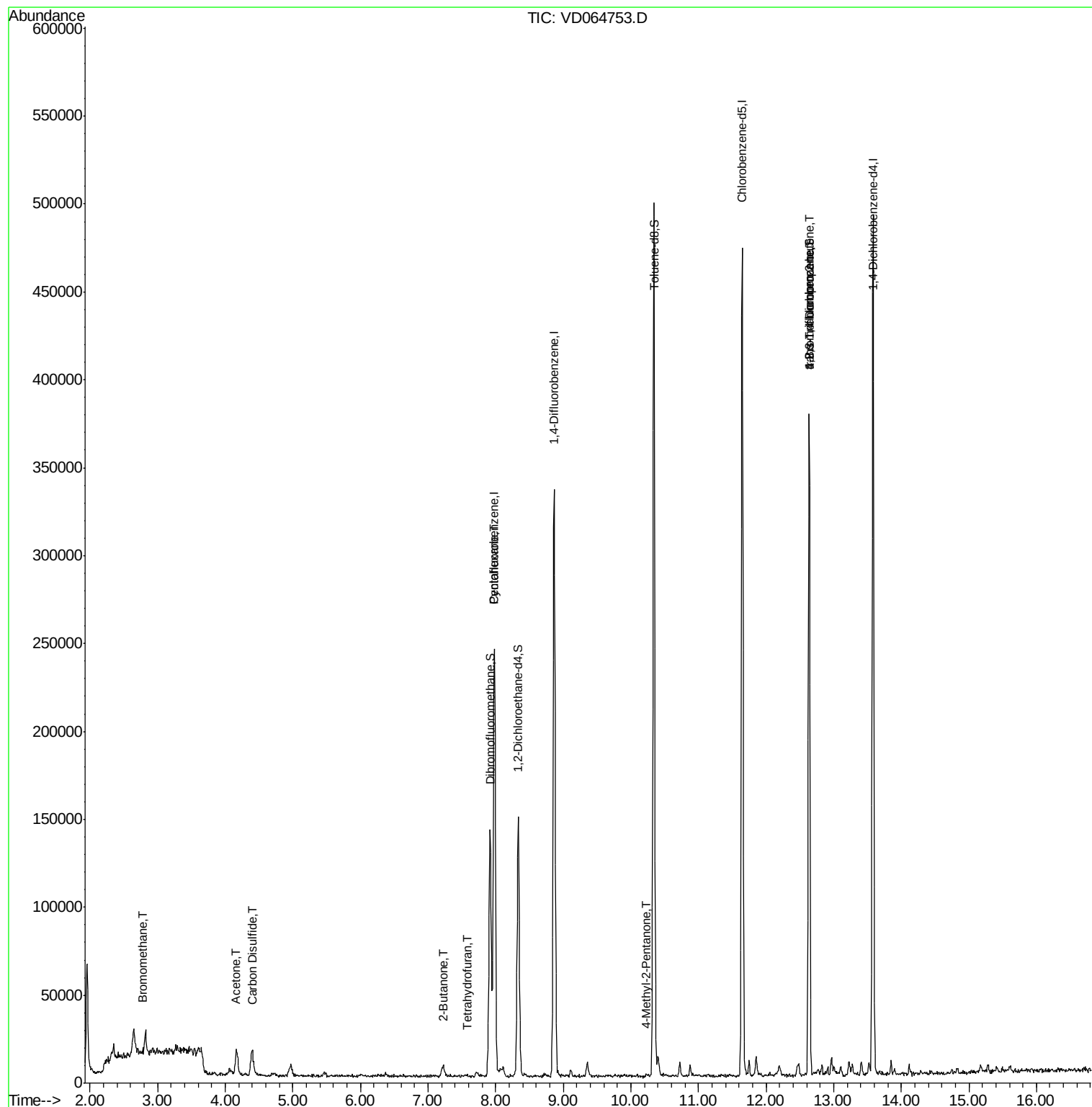
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	2000	1.119	ug/l	95
16) Acetone	4.16	43	25496	71.080	ug/l	93
17) Carbon Disulfide	4.40	76	30188	5.719	ug/l #	94
20) Methylene Chloride	4.96	84	4933	Below Cal	#	72
25) 2-Butanone	7.24	43	6797	15.113	ug/l	96
29) Tetrahydrofuran	7.58	42	448	1.602	ug/l #	50
31) Cyclohexane	7.98	56	6951	2.278	ug/l #	70
51) 4-Methyl-2-Pentanone	10.22	43	1334	1.276	ug/l #	86
76) 1,2,3-Trichloropropane	12.64	75	60226	59.881	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	60226	125.238	ug/l #	10

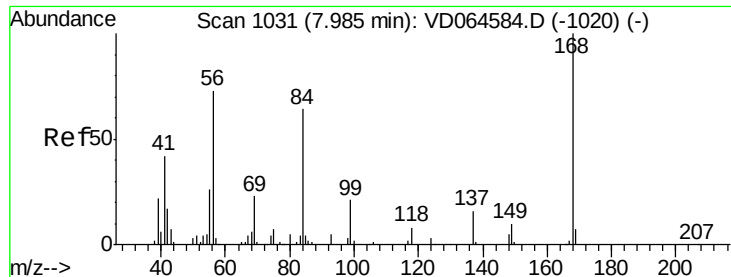
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 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: VD064753.D

Acq: 04 Jan 2020 01:35

Instrument :

MSVOA_D

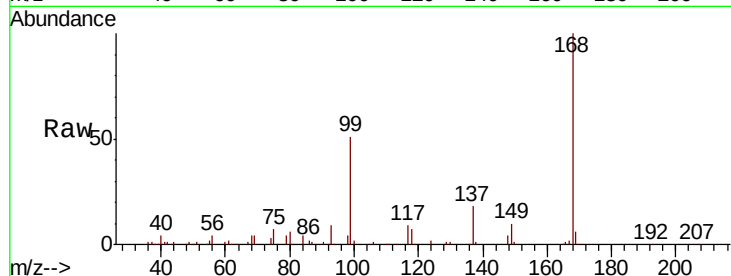
ClientSampled :

Tot Ion:168 Resp: 185552

Ion Ratio Lower Upper

168 100

99 50.4 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

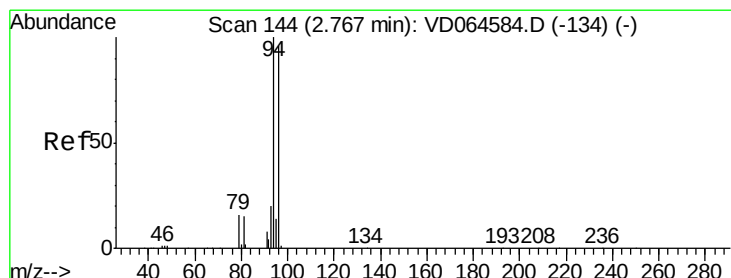
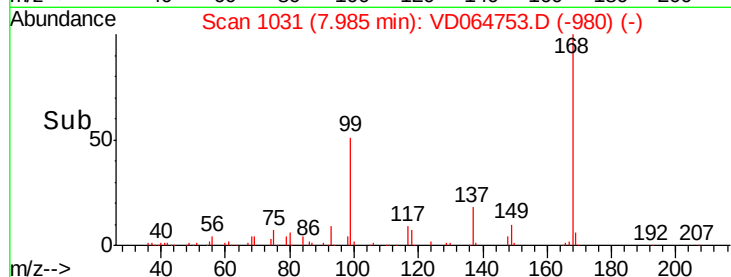
40000

20000

0

7.90 8.00 8.10

Time-->



#5

Bromomethane

Concen: 1.119 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD064753.D

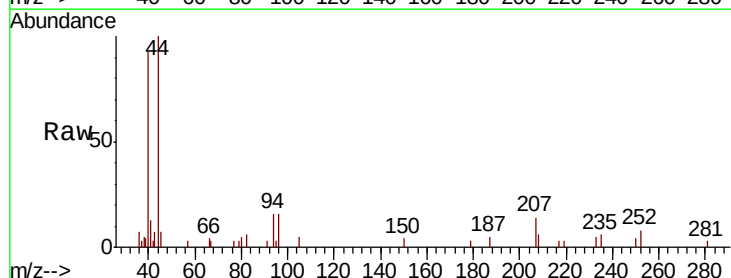
Acq: 04 Jan 2020 01:35

Tgt Ion: 94 Resp: 2000

Ion Ratio Lower Upper

94 100

96 101.6 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

1000

800

600

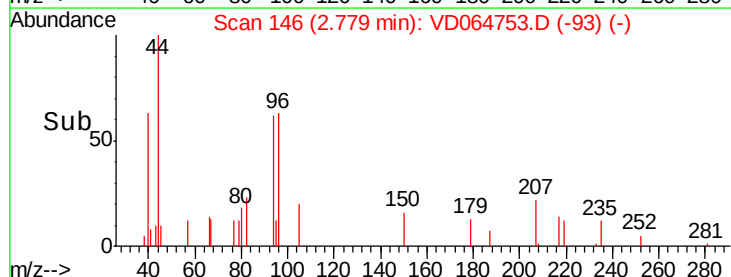
400

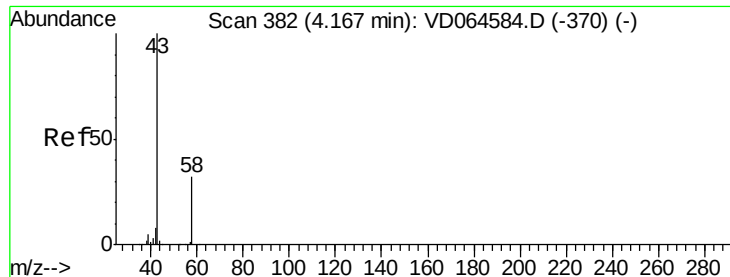
200

0

2.70 2.75 2.80 2.85

Time-->





#16

Acetone

Concen: 71.080 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064753.D

Acq: 04 Jan 2020 01:35

Instrument :

MSVOA_D

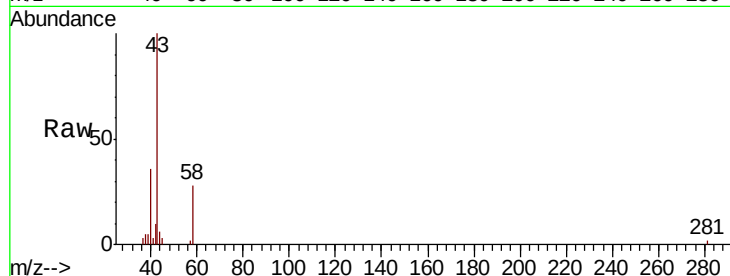
ClientSampleId :

Tot Ion: 43 Resp: 25496

Ion Ratio Lower Upper

43 100

58 28.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10000

8000

6000

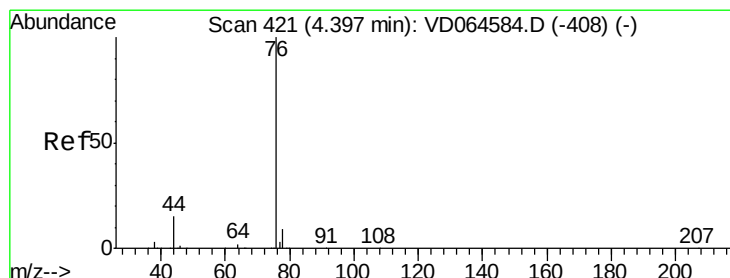
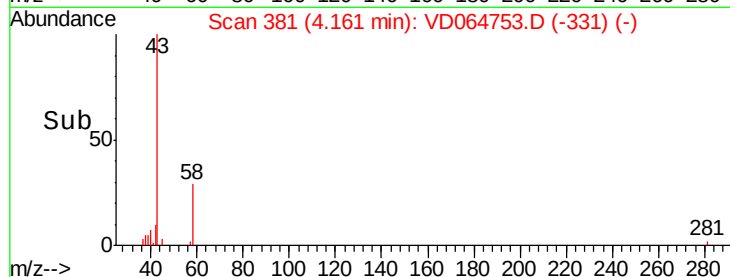
4000

2000

0

4.05 4.10 4.15 4.20 4.25

Time-->



#17

Carbon Disulfide

Concen: 5.719 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064753.D

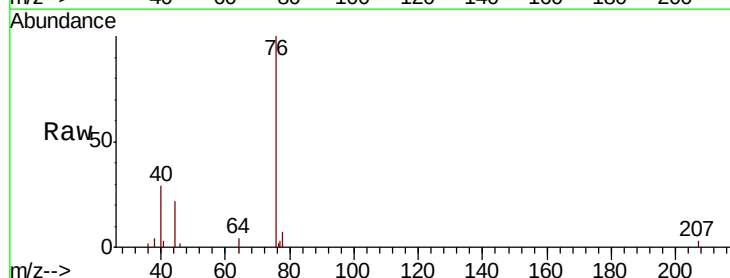
Acq: 04 Jan 2020 01:35

Tgt Ion: 76 Resp: 30188

Ion Ratio Lower Upper

76 100

78 7.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

12000

10000

8000

6000

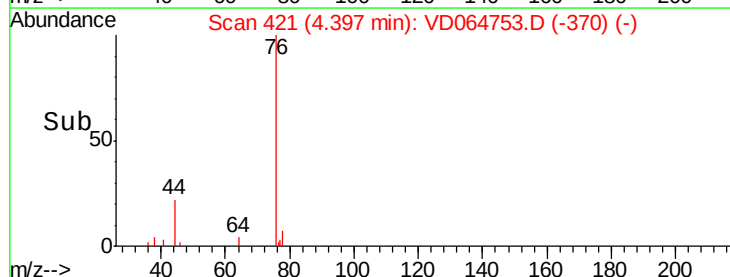
4000

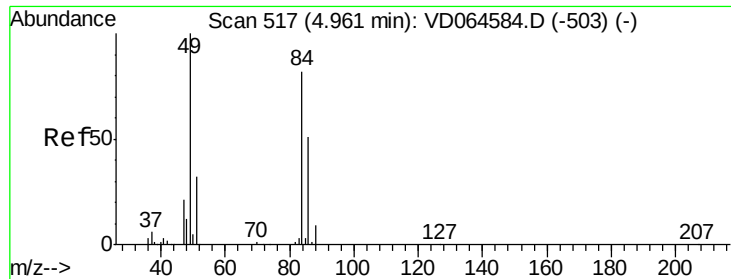
2000

0

4.30 4.35 4.40 4.45 4.50

Time-->

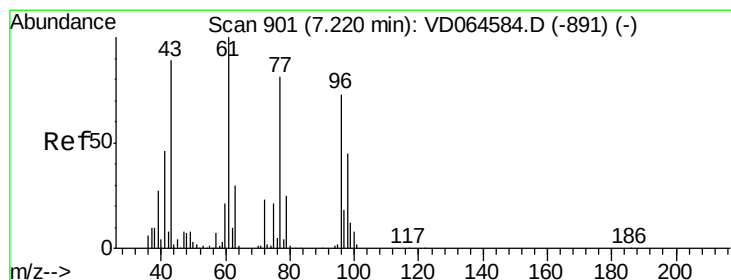
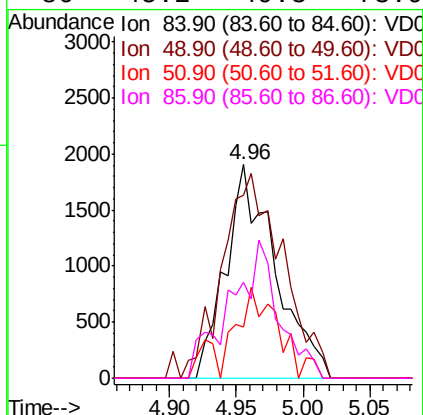
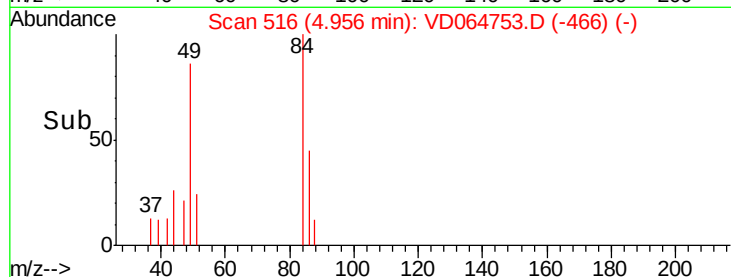
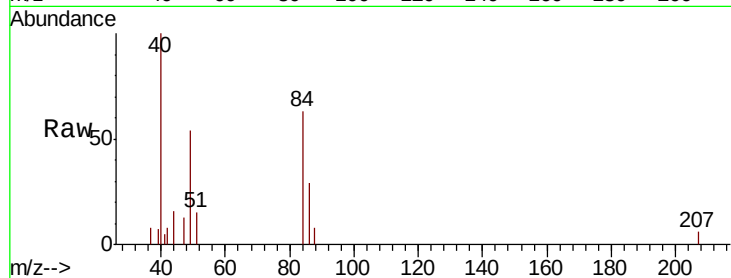




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064753.D
Acq: 04 Jan 2020 01:35

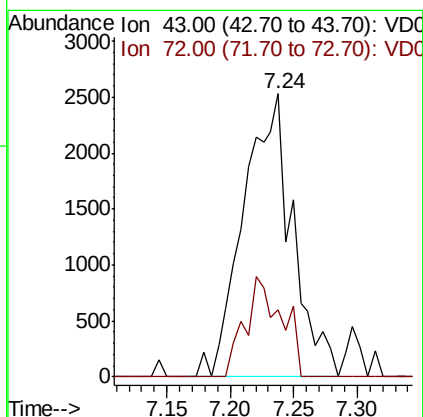
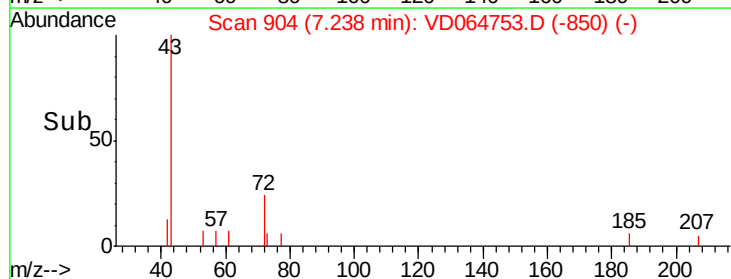
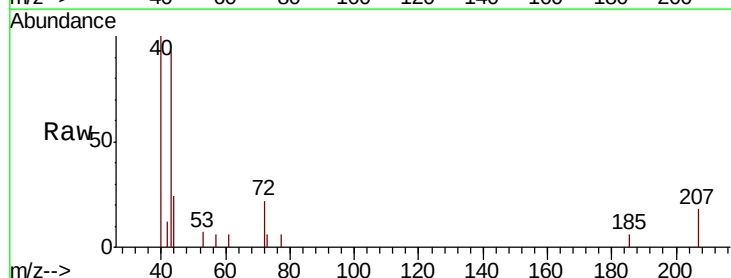
Instrument :
MSVOA_D
ClientSampleId :

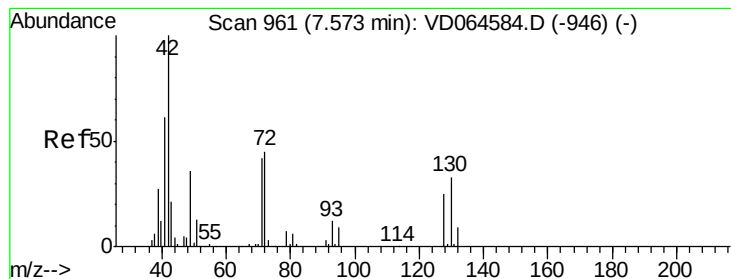
Tot Ion: 84 Resp: 4933
Ion Ratio Lower Upper
84 100
49 85.9 97.2 145.8#
51 23.8 31.4 47.0#
86 45.2 49.3 73.9#



#25
2-Butanone
Concen: 15.113 ug/l
RT: 7.24 min Scan# 904
Delta R.T. 0.02 min
Lab File: VD064753.D
Acq: 04 Jan 2020 01:35

Tgt Ion: 43 Resp: 6797
Ion Ratio Lower Upper
43 100
72 23.7 20.7 31.1





#29

Tetrahydrofuran

Concen: 1.602 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD064753.D

Acq: 04 Jan 2020 01:35

Instrument :

MSVOA_D

ClientSampled :

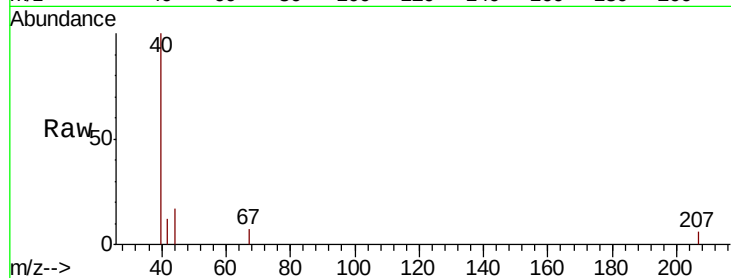
Tot Ion: 42 Resp: 448

Ion Ratio Lower Upper

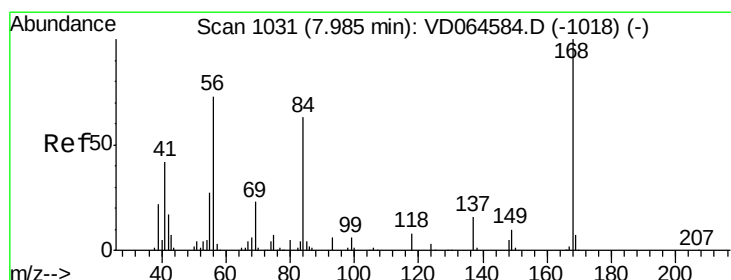
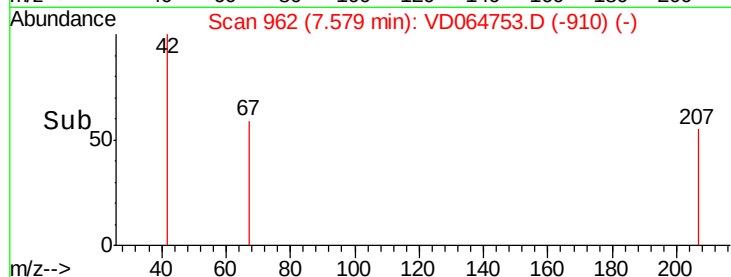
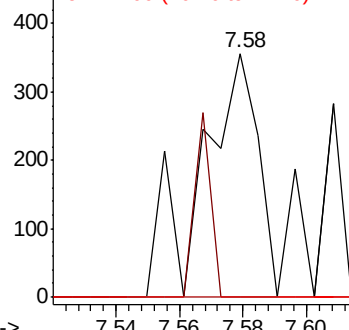
42 100

72 21.2 35.0 52.4#

71 0.0 32.9 49.3#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 2.278 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064753.D

Acq: 04 Jan 2020 01:35

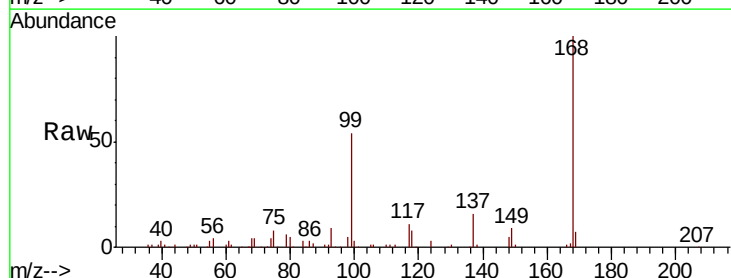
Tgt Ion: 56 Resp: 6951

Ion Ratio Lower Upper

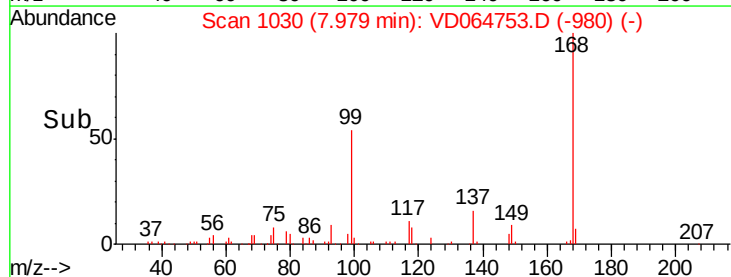
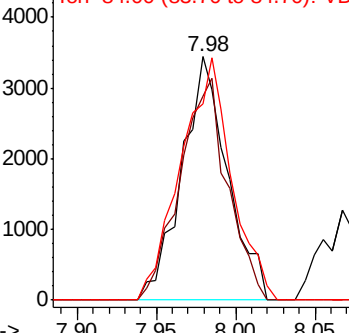
56 100

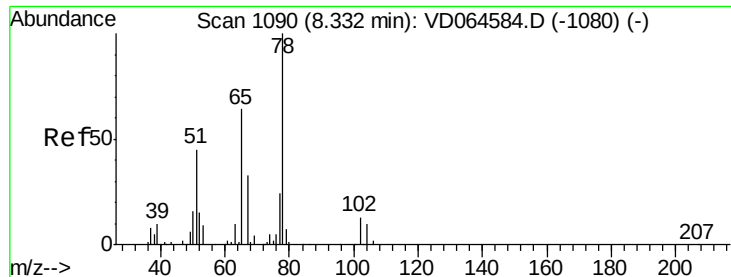
69 83.8 24.7 37.1#

84 80.7 69.4 104.2



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

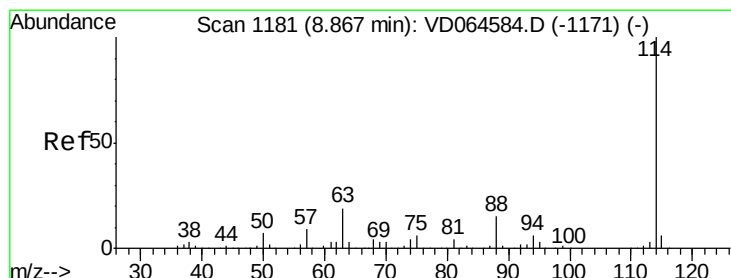
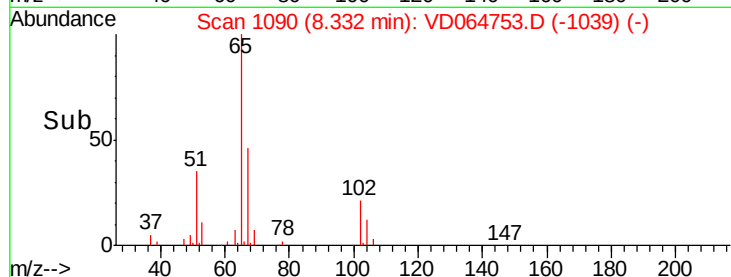
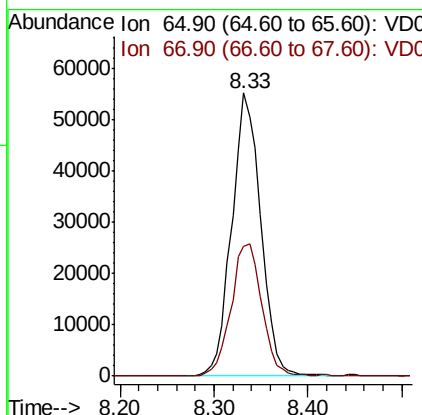
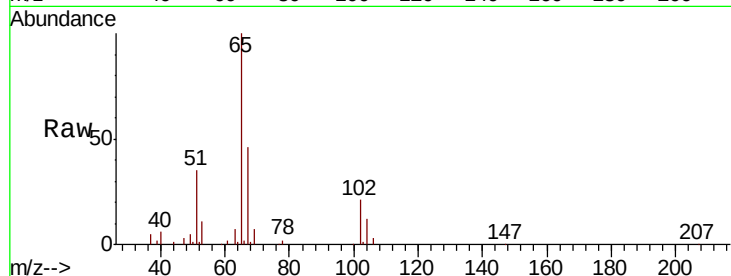




#33
 1,2-Dichloroethane-d4
 Concen: 72.292 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064753.D
 Acq: 04 Jan 2020 01:35

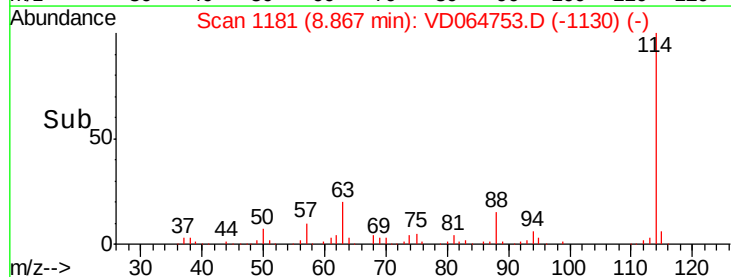
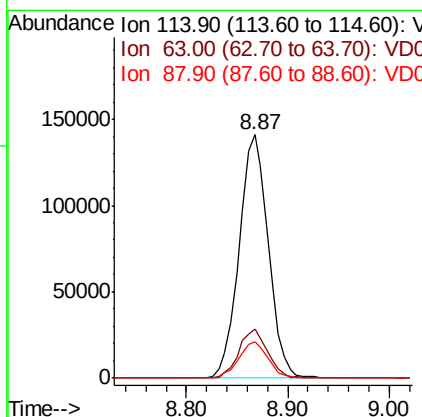
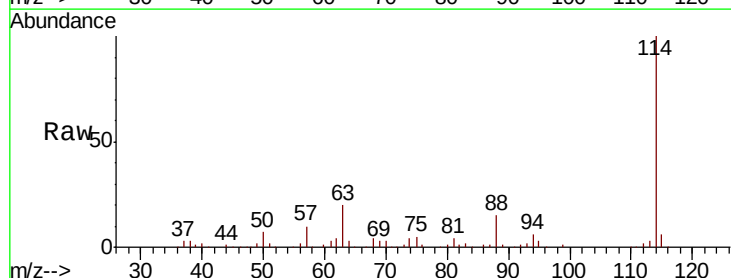
Instrument :
 MSVOA_D
 ClientSampleId :

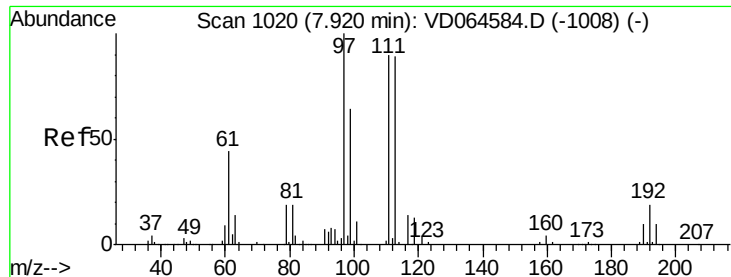
Tot Ion: 65 Resp: 118283
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064753.D
 Acq: 04 Jan 2020 01:35

Tgt Ion: 114 Resp: 281046
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.0
 88 14.7 0.0 29.2

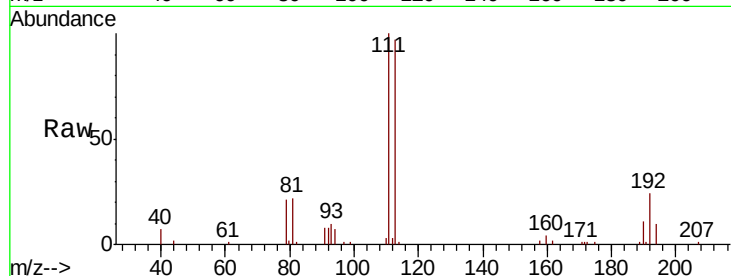




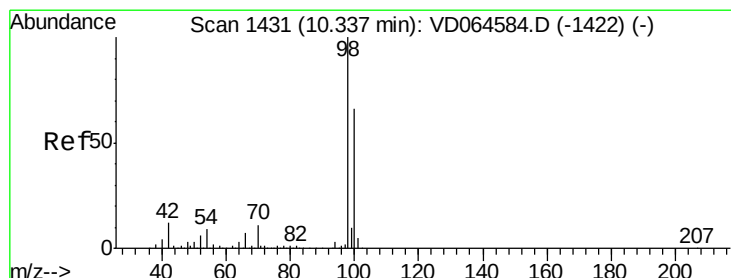
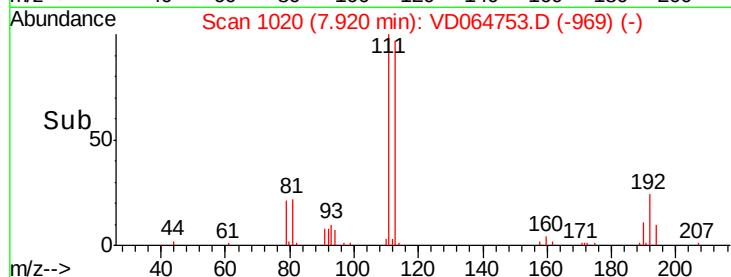
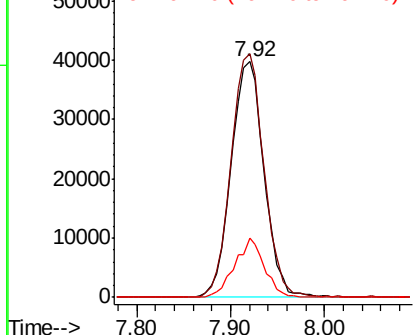
#35
 Dibromofluoromethane
 Concen: 55.750 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064753.D
 Acq: 04 Jan 2020 01:35

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 96128
 Ion Ratio Lower Upper
 113 100
 111 103.7 80.6 121.0
 192 22.6 17.9 26.9

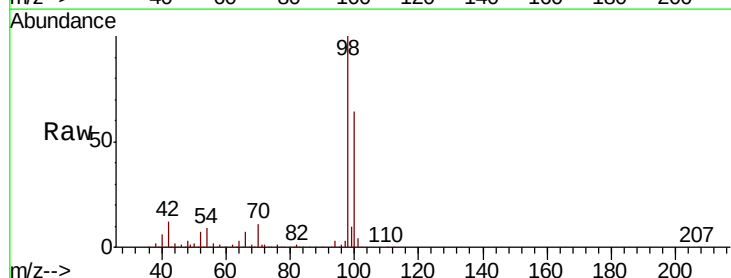


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

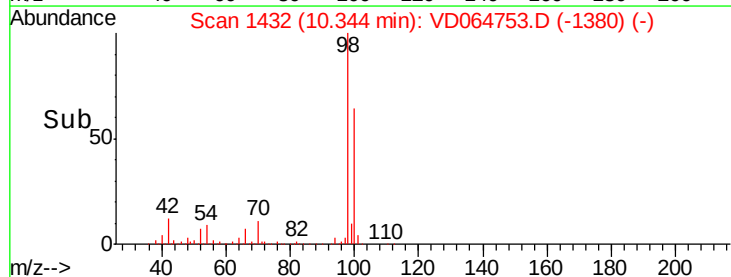
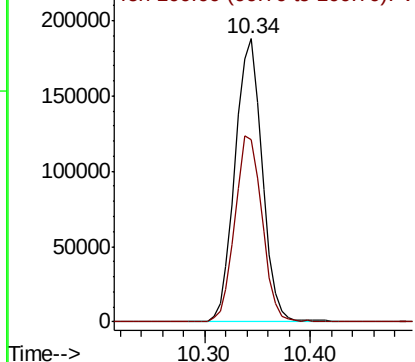


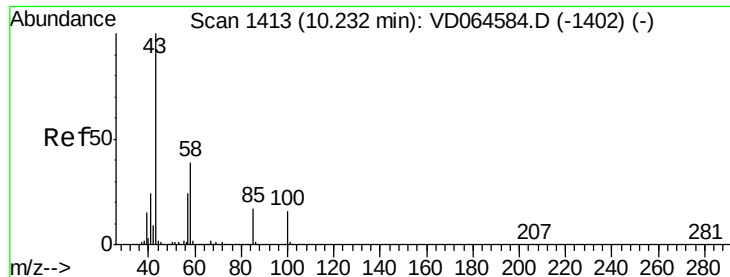
#50
 Toluene-d8
 Concen: 50.519 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064753.D
 Acq: 04 Jan 2020 01:35

Tgt Ion: 98 Resp: 333612
 Ion Ratio Lower Upper
 98 100
 100 65.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
 Ion 100.00 (99.70 to 100.70): VD





#51

4-Methyl-2-Pentanone

Concen: 1.276 ug/l

RT: 10.22 min Scan# 1411

Delta R.T. -0.01 min

Lab File: VD064753.D

Acq: 04 Jan 2020 01:35

Instrument :

MSVOA_D

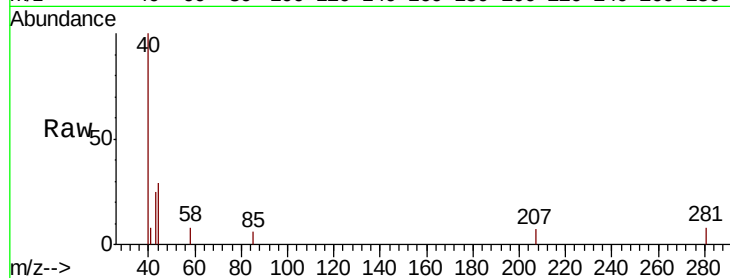
ClientSampleId :

Tot Ion: 43 Resp: 1334

Ion Ratio Lower Upper

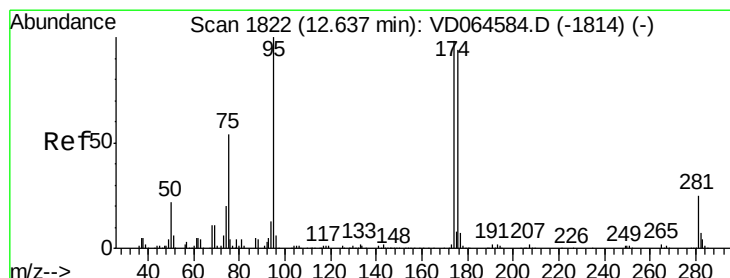
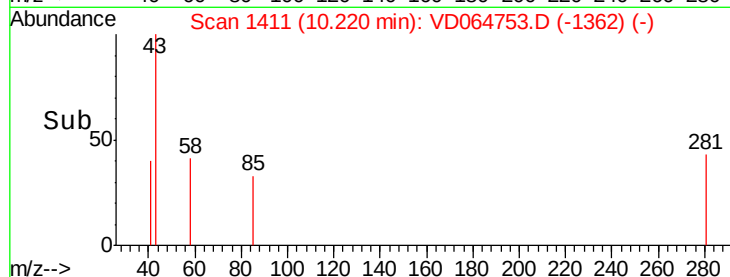
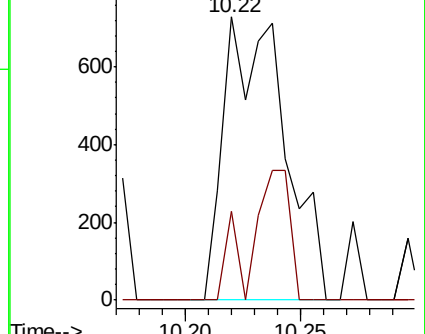
43 100

58 29.5 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 52.629 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064753.D

Acq: 04 Jan 2020 01:35

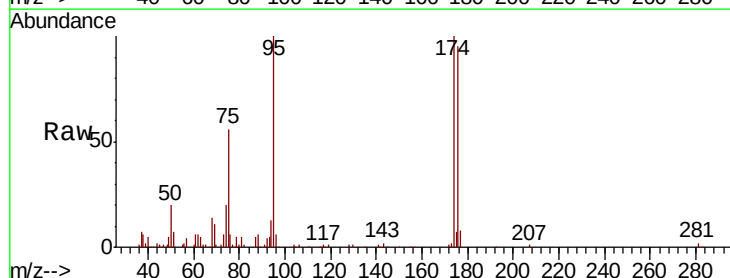
Tgt Ion: 95 Resp: 109898

Ion Ratio Lower Upper

95 100

174 95.4 0.0 193.2

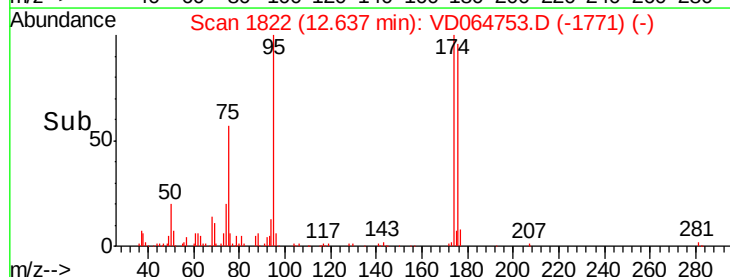
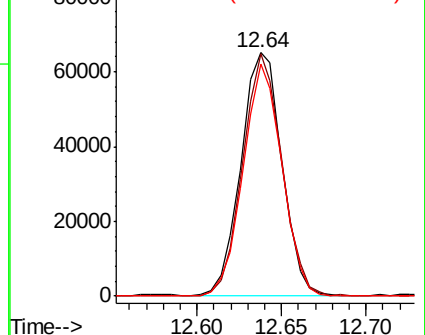
176 90.7 0.0 184.2

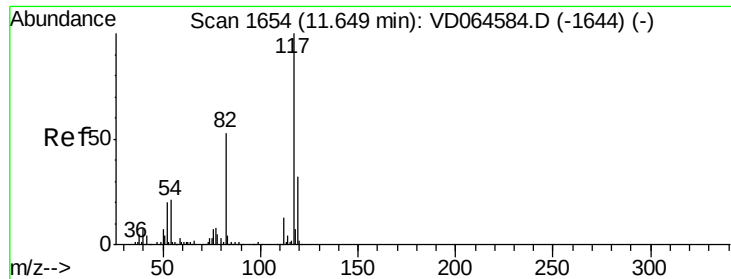


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

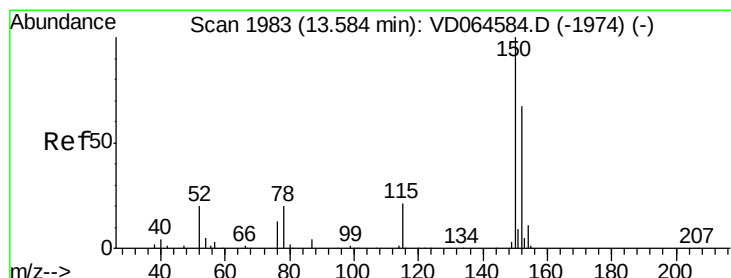
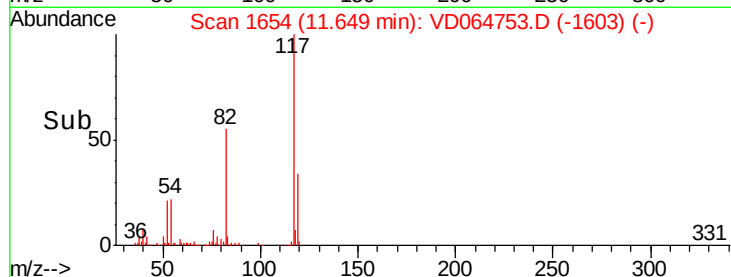
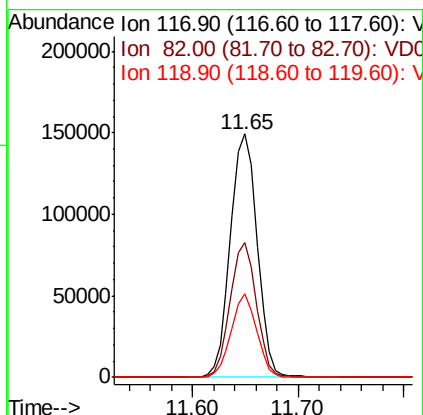
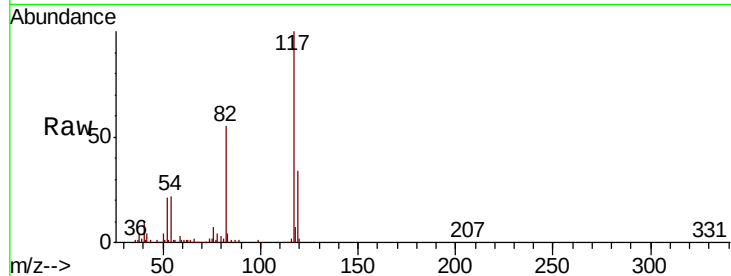




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064753.D
Acq: 04 Jan 2020 01:35

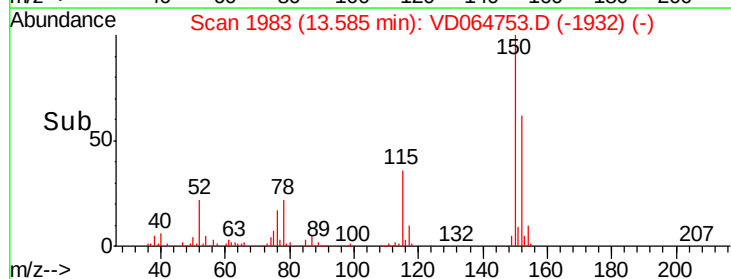
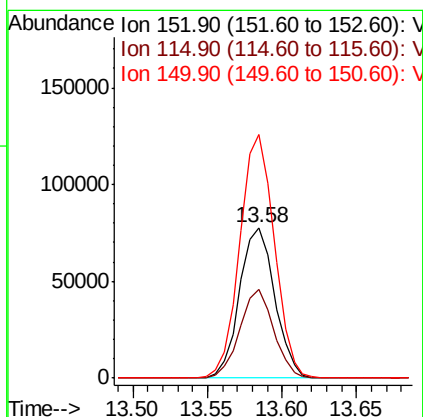
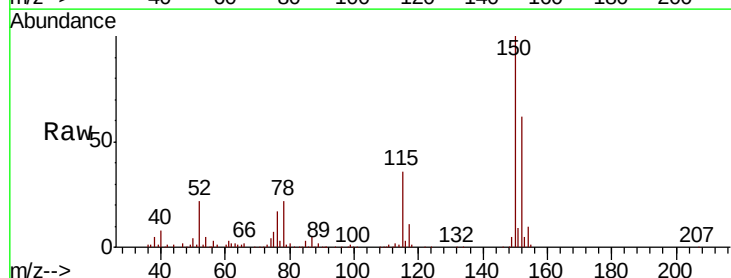
Instrument :
MSVOA_D
ClientSampleId :

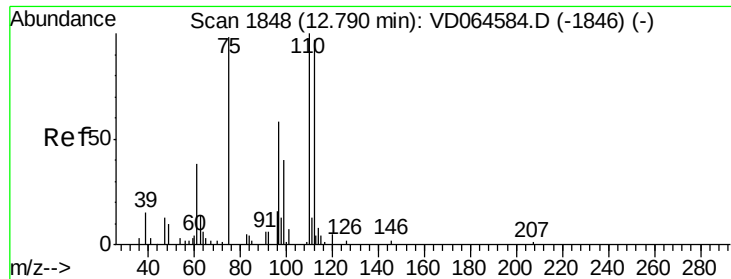
Tot Ion:117 Resp: 262870
Ion Ratio Lower Upper
117 100
82 55.3 42.2 63.4
119 34.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064753.D
Acq: 04 Jan 2020 01:35

Tgt Ion:152 Resp: 127367
Ion Ratio Lower Upper
152 100
115 56.6 27.8 83.4
150 158.6 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 59.881 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064753.D

Acq: 04 Jan 2020 01:35

Instrument :

MSVOA_D

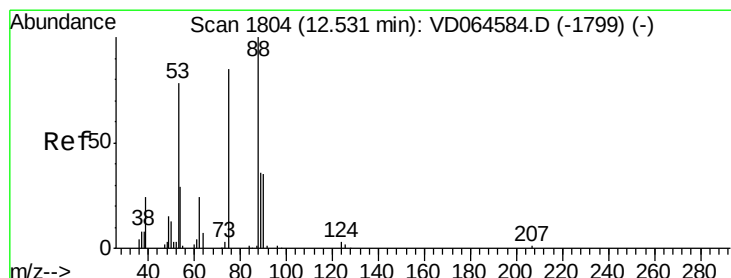
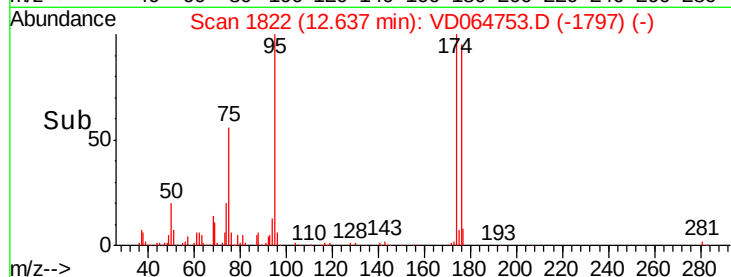
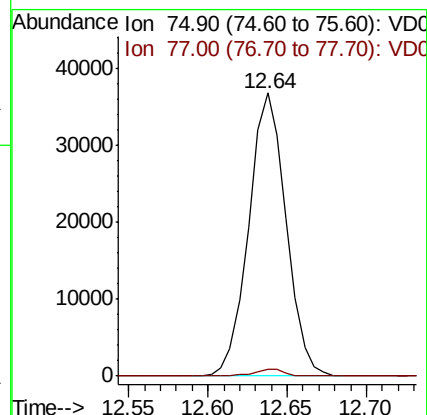
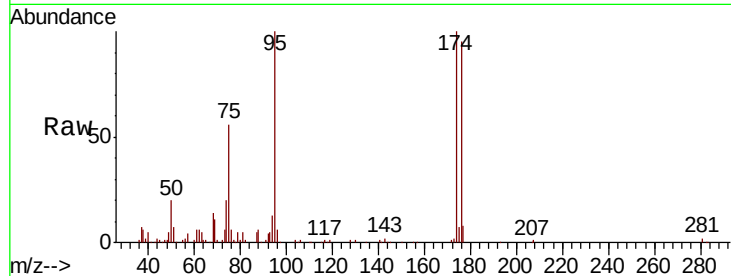
ClientSampleId :

Tot Ion: 75 Resp: 60226

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 125.238 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064753.D

Acq: 04 Jan 2020 01:35

Tgt Ion: 75 Resp: 60226

Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.2 38.3 57.5#

