

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063555.D
 Acq On : 14 Aug 2019 5:45
 Operator : JC/SY
 Sample : K4324-05
 Misc : 5.07g/5ml/MSVOA D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

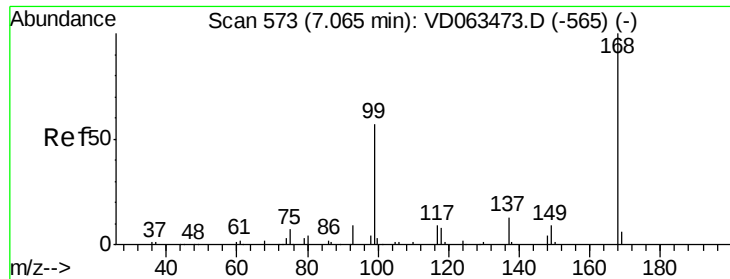
Quant Time: Aug 14 08:34:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	599533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	952320	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	508815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	118016	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	374079	58.37	ug/l	0.00
Spiked Amount			Recovery	=	116.74%	
35) Dibromofluoromethane	6.93	113	390953	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
50) Toluene-d8	10.41	98	511890	29.03	ug/l	0.00
Spiked Amount			Recovery	=	58.06%	
62) 4-Bromofluorobenzene	13.56	95	154580	19.34	ug/l	0.00
Spiked Amount			Recovery	=	38.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.08	59	3214	11.521	ug/l #	71
13) Acrolein	3.11	56	394	1.435	ug/l	90
16) Acetone	3.23	43	309666	237.705	ug/l	99
18) Methyl Acetate	3.65	43	30890	12.519	ug/l	92
20) Methylene Chloride	3.83	84	7380	1.310	ug/l #	82
25) 2-Butanone	6.09	43	34860	27.094	ug/l	95
37) Ethyl Acetate	6.09	43	34860	9.882	ug/l #	73
38) Carbon Tetrachloride	7.05	117	62503	4.926	ug/l #	17
74) N-amyl acetate	13.29	43	2971	1.577	ug/l #	38
75) 1,1,2,2-Tetrachloroethane	13.72	83	5252	4.215	ug/l #	48
81) trans-1,4-Dichloro-2-buten	13.56	75	66819	183.551	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD063555.D

Acq: 14 Aug 2019 5:45

Instrument :

MSVOA_D

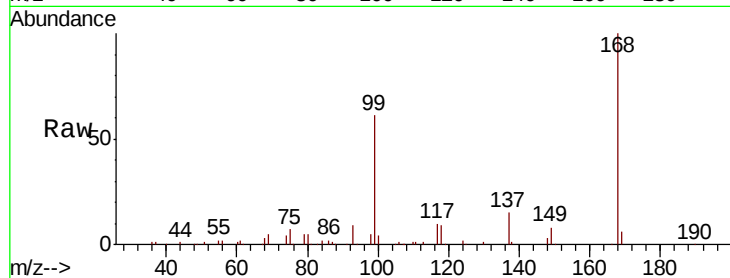
ClientSampleId :

Tot Ion:168 Resp: 599533

Ion Ratio Lower Upper

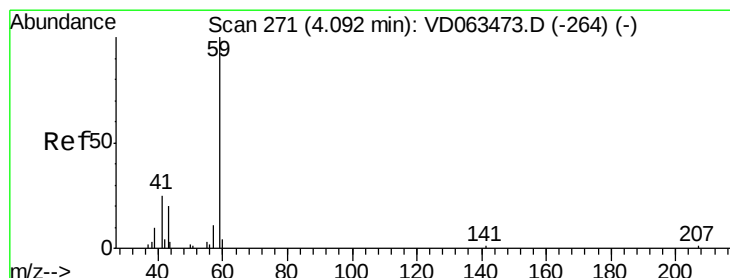
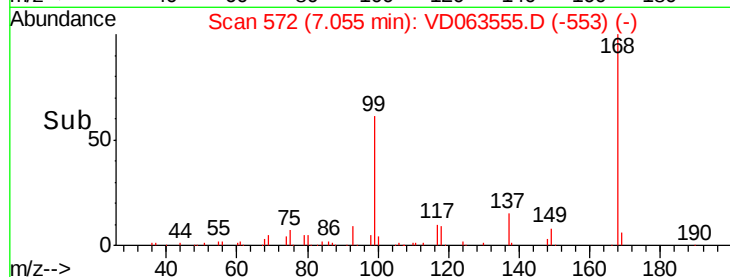
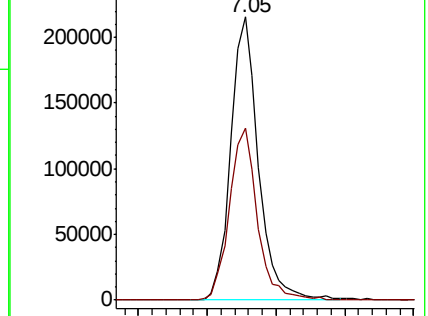
168 100

99 60.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 11.521 ug/l

RT: 4.08 min Scan# 270

Delta R.T. -0.01 min

Lab File: VD063555.D

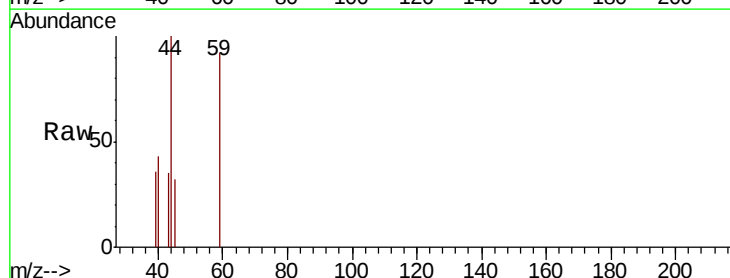
Acq: 14 Aug 2019 5:45

Tgt Ion: 59 Resp: 3214

Ion Ratio Lower Upper

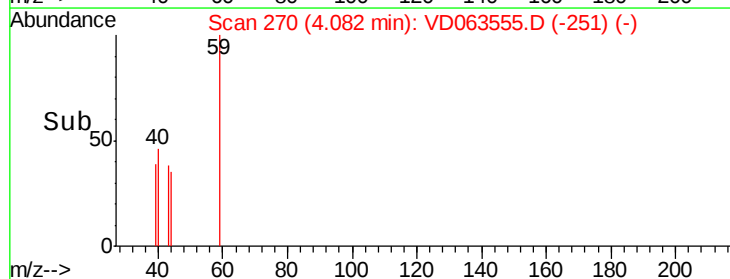
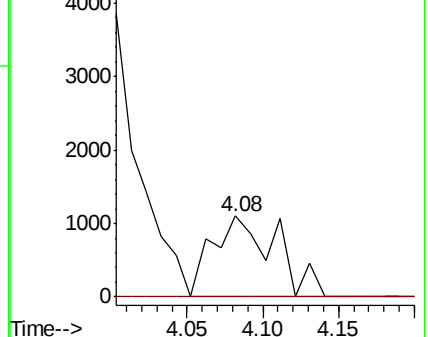
59 100

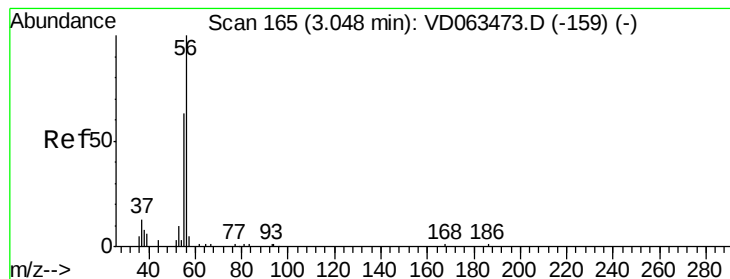
57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.435 ug/l

RT: 3.11 min Scan# 171

Delta R.T. 0.06 min

Lab File: VD063555.D

Acq: 14 Aug 2019 5:45

Instrument :

MSVOA_D

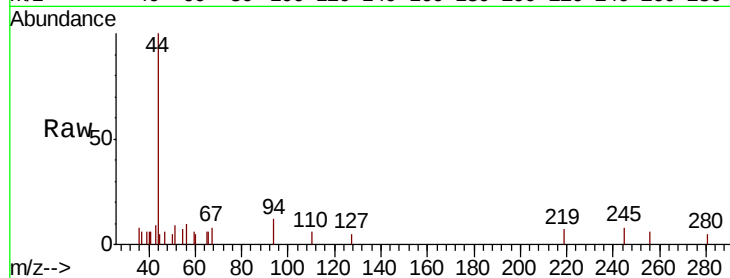
ClientSampleId :

Tot Ion: 56 Resp: 394

Ion Ratio Lower Upper

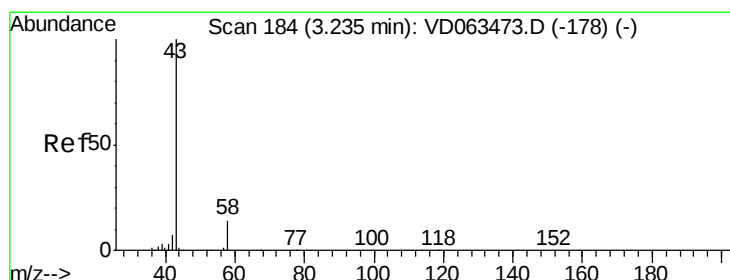
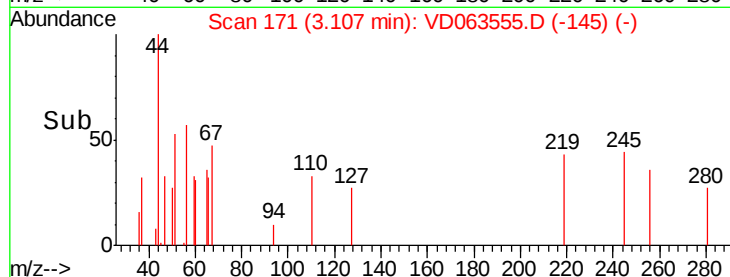
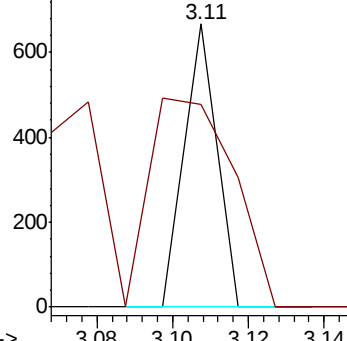
56 100

55 71.7 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 237.705 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063555.D

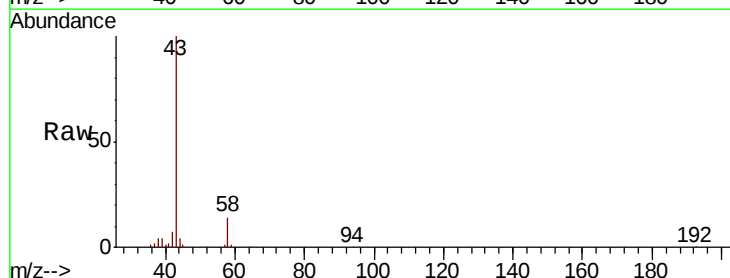
Acq: 14 Aug 2019 5:45

Tgt Ion: 43 Resp: 309666

Ion Ratio Lower Upper

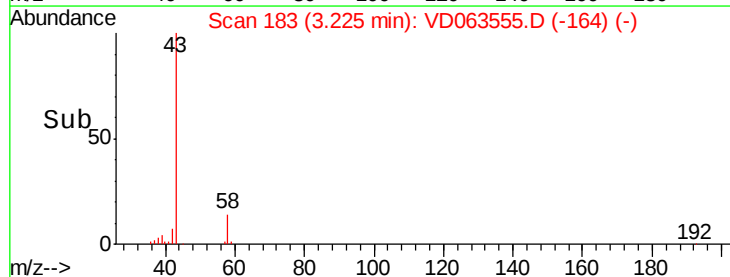
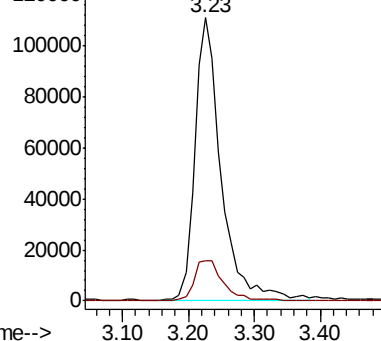
43 100

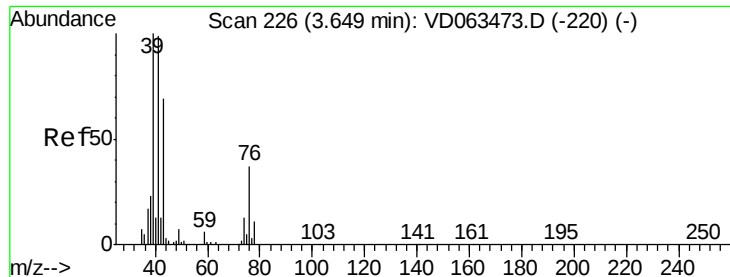
58 14.1 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

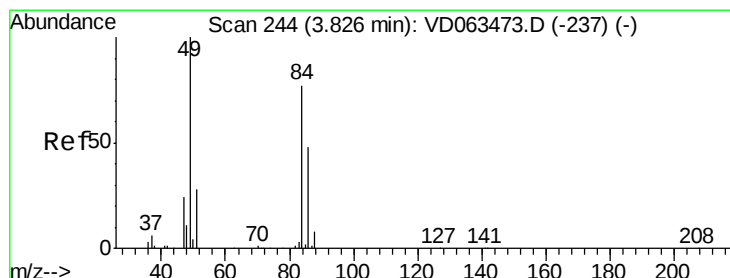
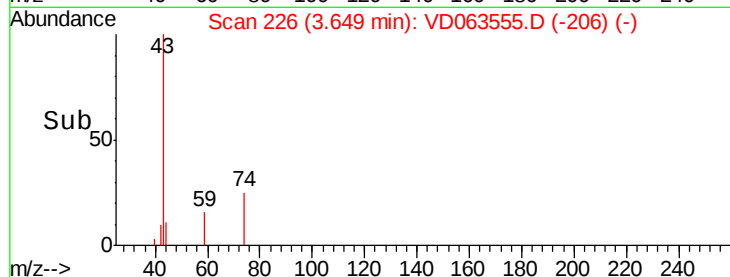
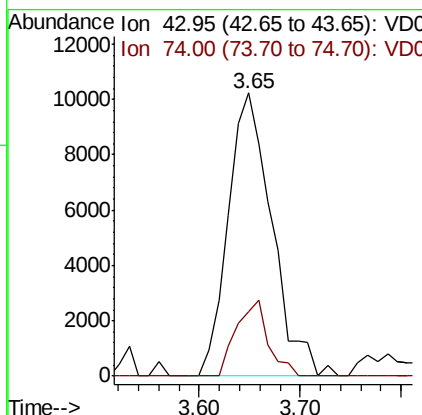
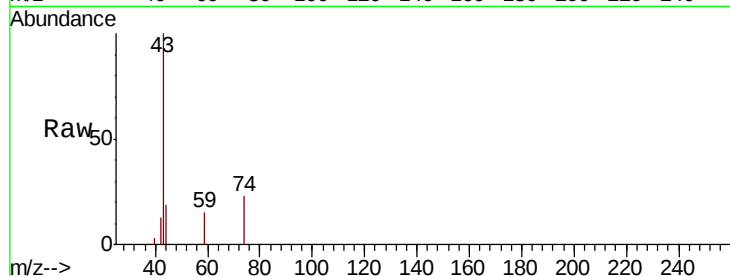




#18
Methvl Acetate
Concen: 12.519 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD063555.D
Acq: 14 Aug 2019 5:45

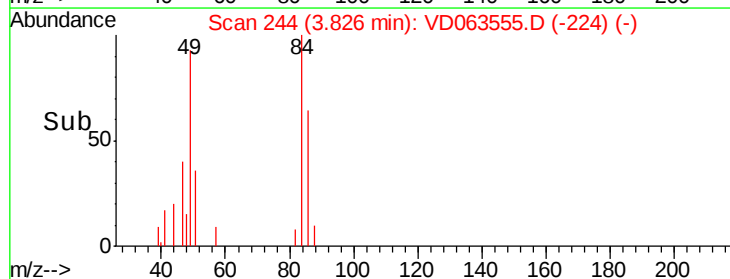
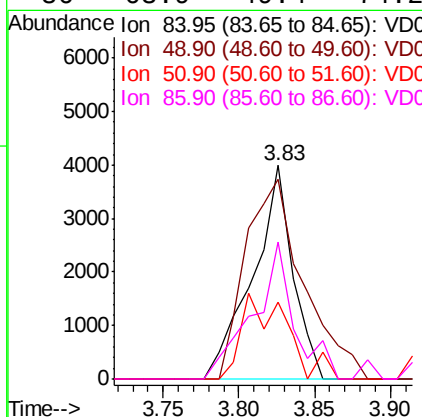
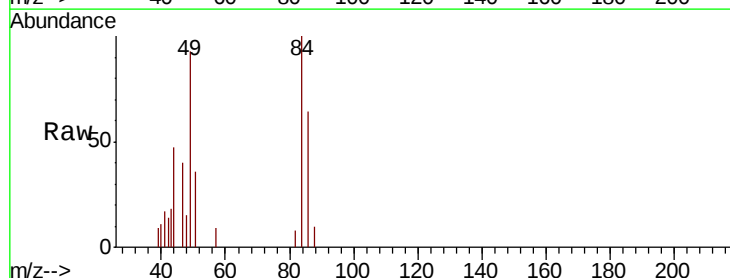
Instrument :
MSVOA_D
ClientSampleId :

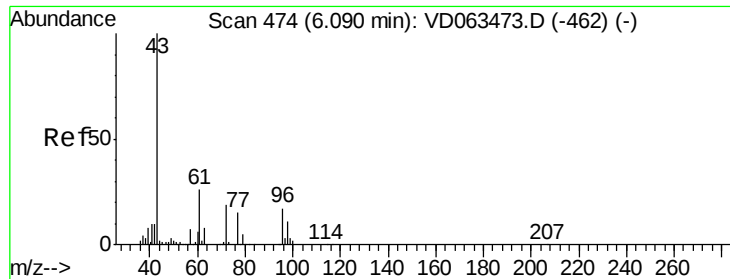
Tot Ion: 43 Resp: 30890
Ion Ratio Lower Upper
43 100
74 22.9 15.4 23.2



#20
Methylene Chloride
Concen: 1.310 ug/l
RT: 3.83 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD063555.D
Acq: 14 Aug 2019 5:45

Tgt Ion: 84 Resp: 7380
Ion Ratio Lower Upper
84 100
49 93.2 103.4 155.2#
51 35.7 28.5 42.7
86 63.9 49.4 74.2





#25

2-Butanone

Concen: 27.094 ug/l

RT: 6.09 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063555.D

Acq: 14 Aug 2019 5:45

Instrument :

MSVOA_D

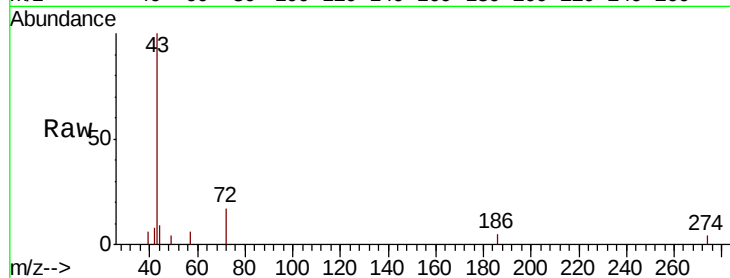
ClientSampled :

Tot Ion: 43 Resp: 34860

Ion Ratio Lower Upper

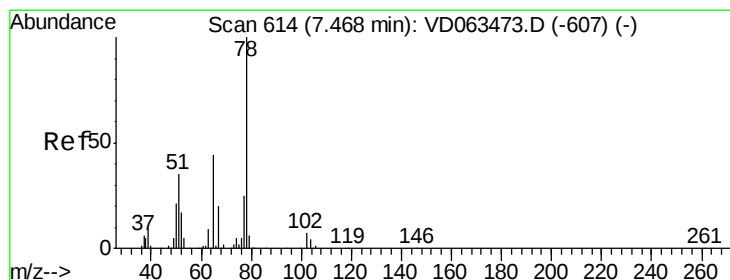
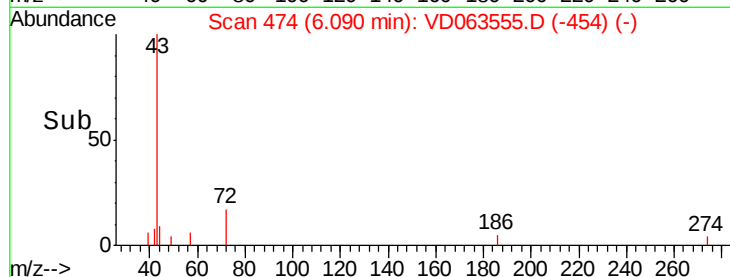
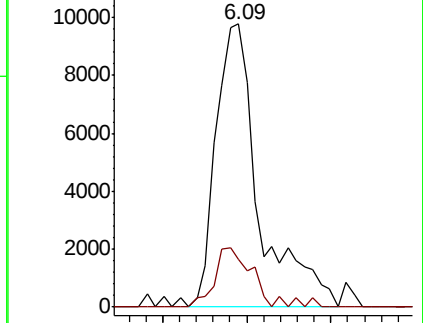
43 100

72 16.7 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 58.372 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD063555.D

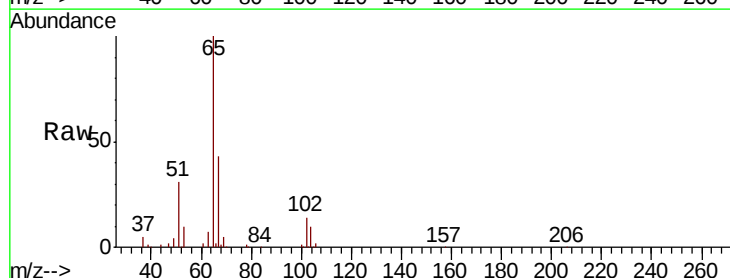
Acq: 14 Aug 2019 5:45

Tgt Ion: 65 Resp: 374079

Ion Ratio Lower Upper

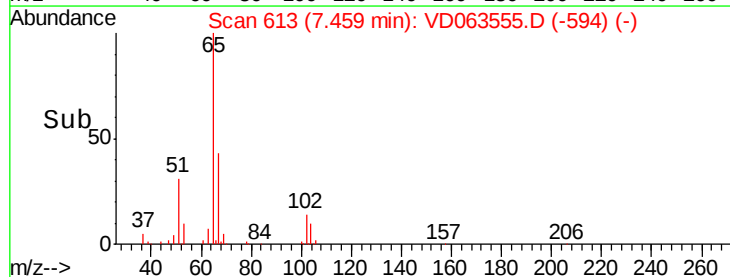
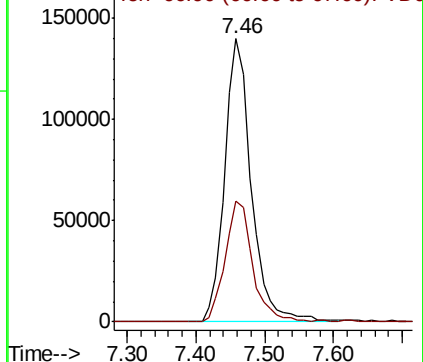
65 100

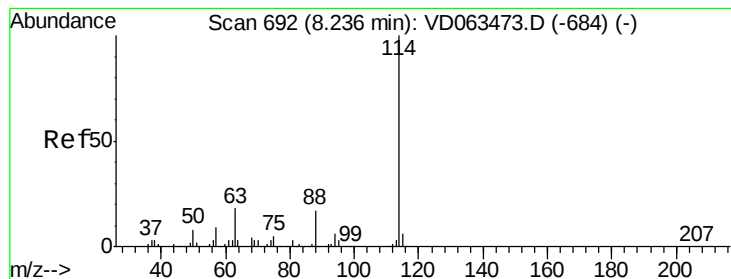
67 42.6 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD063555.D

Acq: 14 Aug 2019 5:45

Instrument :

MSVOA_D

ClientSampleId :

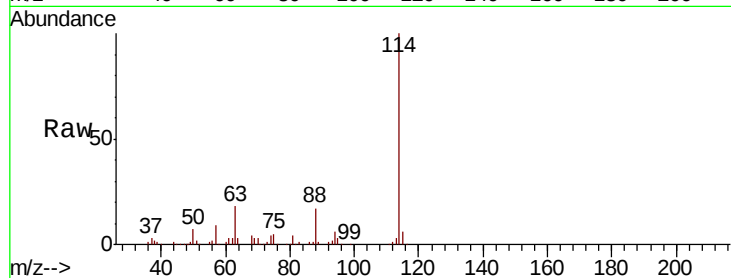
Tot Ion:114 Resp: 952320

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.2

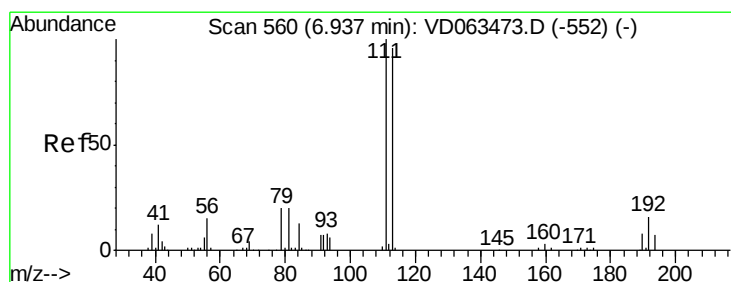
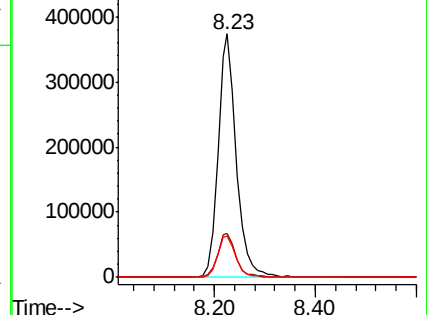
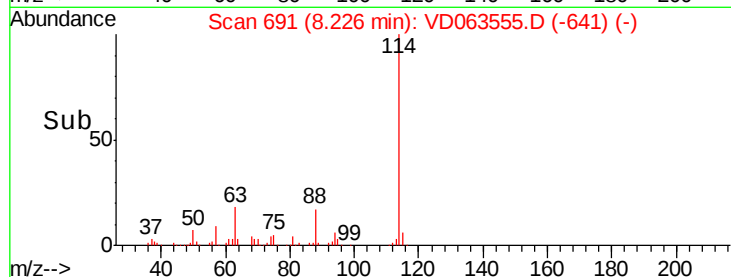
88 17.1 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 48.744 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063555.D

Acq: 14 Aug 2019 5:45

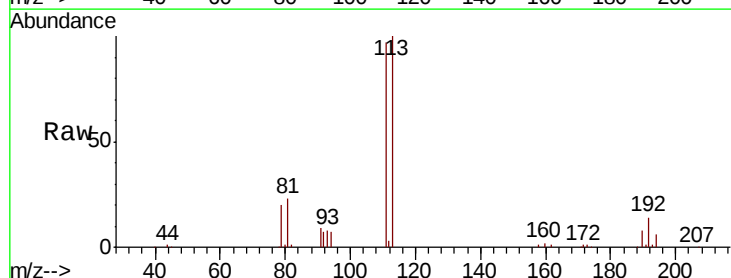
Tgt Ion:113 Resp: 390953

Ion Ratio Lower Upper

113 100

111 96.7 83.1 124.7

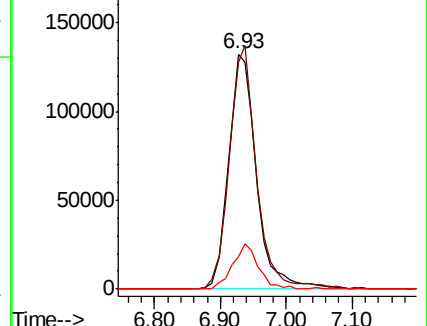
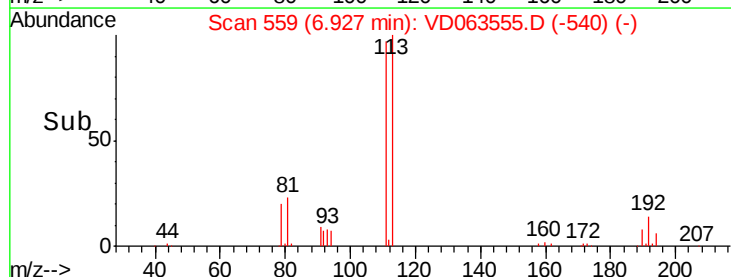
192 13.7 13.1 19.7

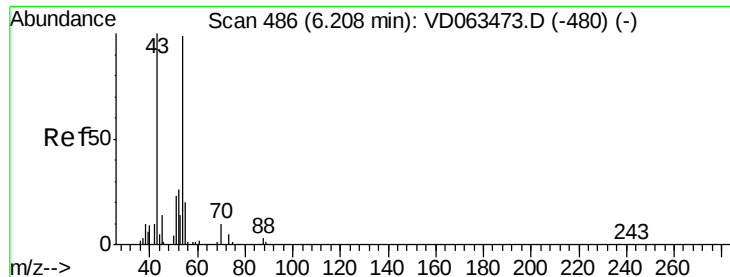


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#37

Ethyl Acetate

Concen: 9.882 ug/l

RT: 6.09 min Scan# 474

Delta R.T. -0.12 min

Lab File: VD063555.D

Acq: 14 Aug 2019 5:45

Instrument :

MSVOA_D

ClientSampleId :

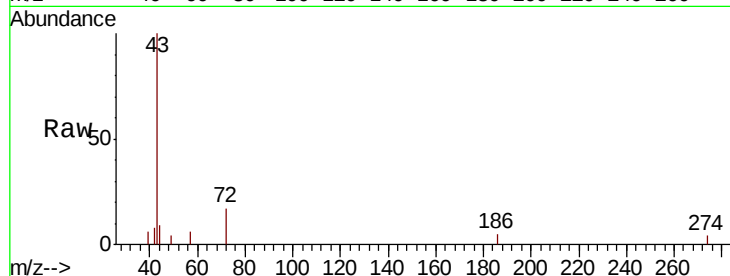
Tot Ion: 43 Resp: 34860

Ion Ratio Lower Upper

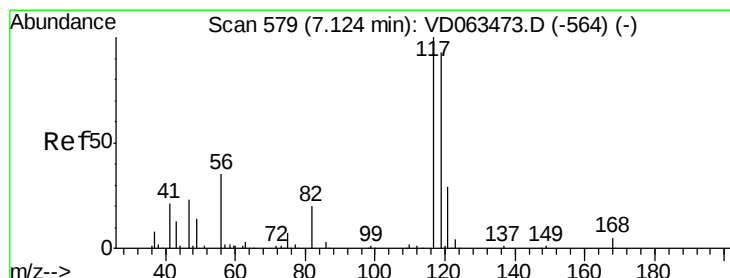
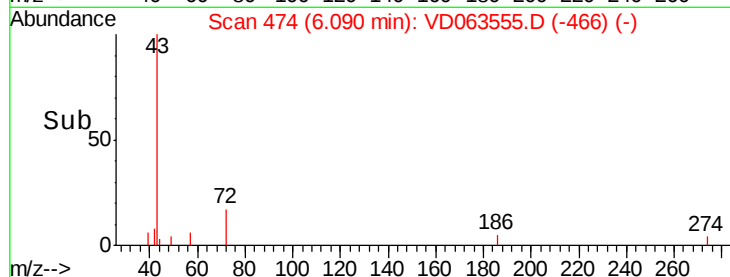
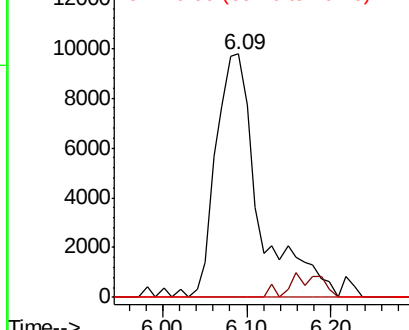
43 100

61 0.0 9.0 13.6#

70 0.0 6.9 10.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 4.926 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD063555.D

Acq: 14 Aug 2019 5:45

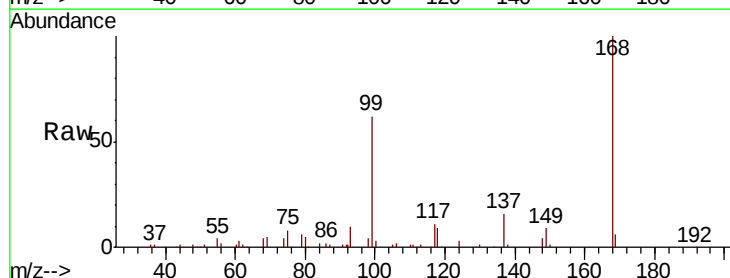
Tgt Ion: 117 Resp: 62503

Ion Ratio Lower Upper

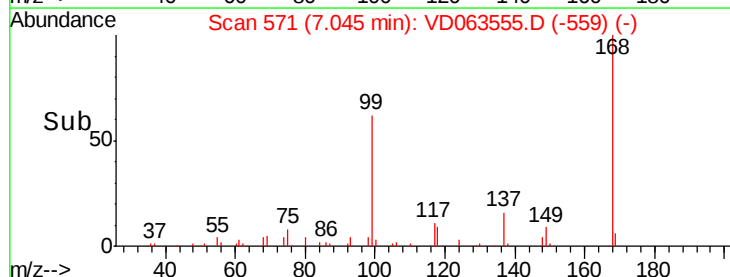
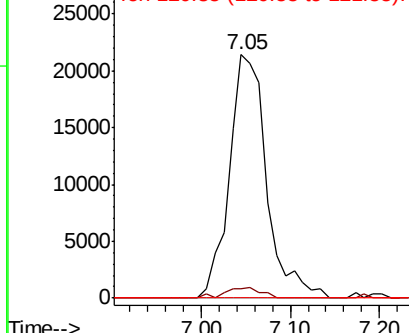
117 100

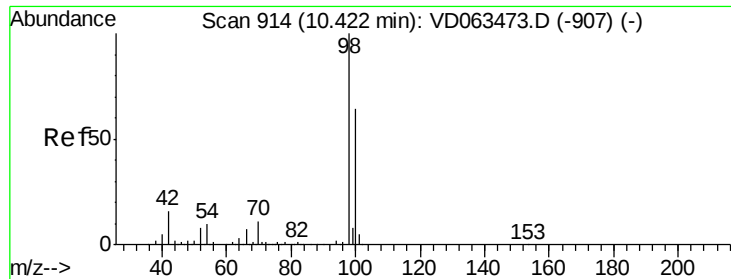
119 4.0 74.2 111.2#

121 0.0 23.1 34.7#



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

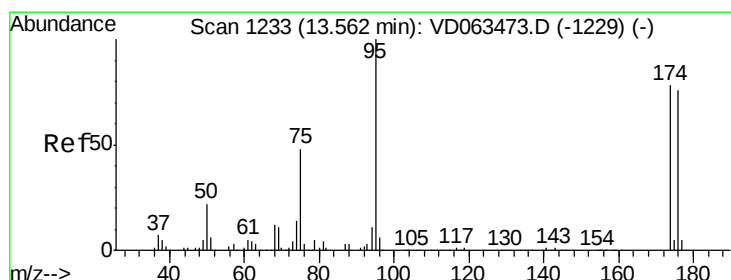
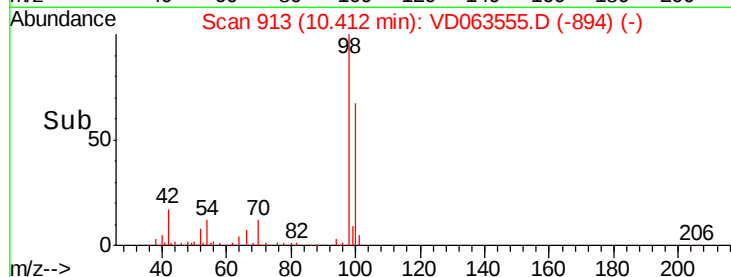
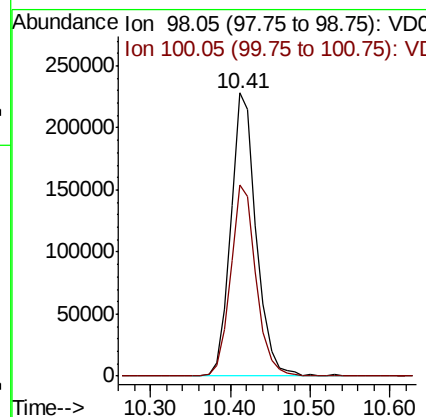
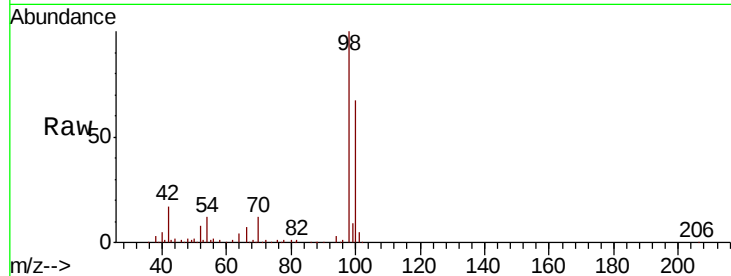




#50
Toluene-d8
Concen: 29.030 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063555.D
Acq: 14 Aug 2019 5:45

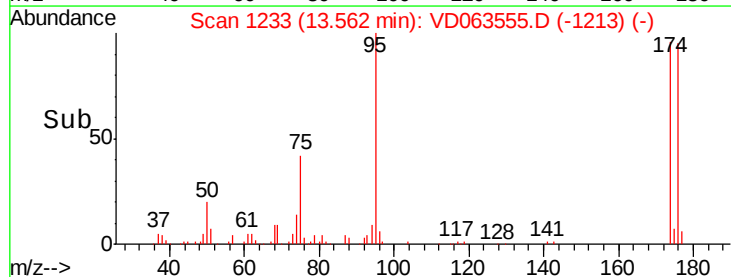
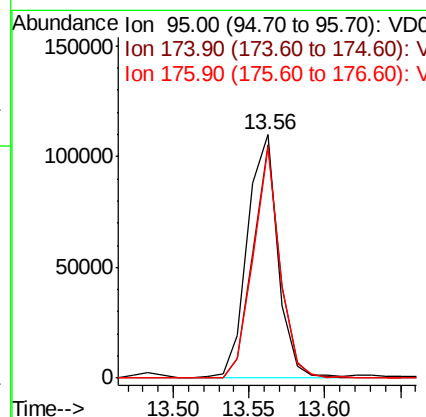
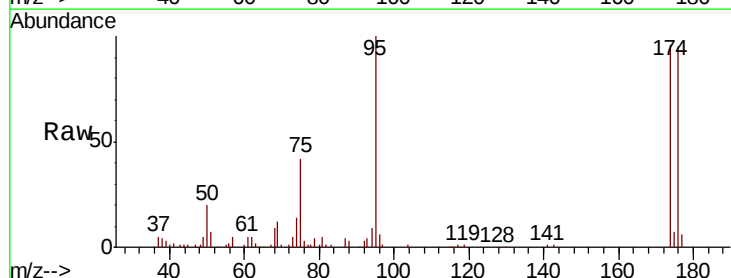
Instrument :
MSVOA_D
ClientSampled :

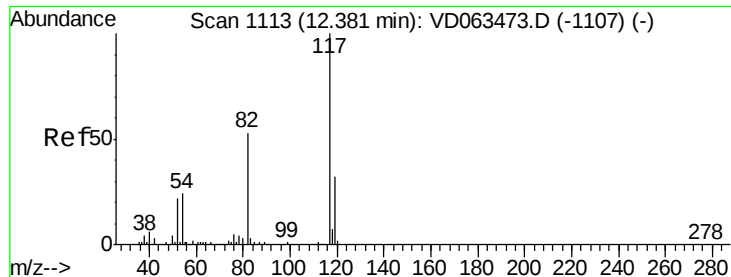
Tot Ion: 98 Resp: 511890
Ion Ratio Lower Upper
98 100
100 67.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 19.341 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD063555.D
Acq: 14 Aug 2019 5:45

Tgt Ion: 95 Resp: 154580
Ion Ratio Lower Upper
95 100
174 96.1 0.0 155.4
176 95.0 0.0 152.4

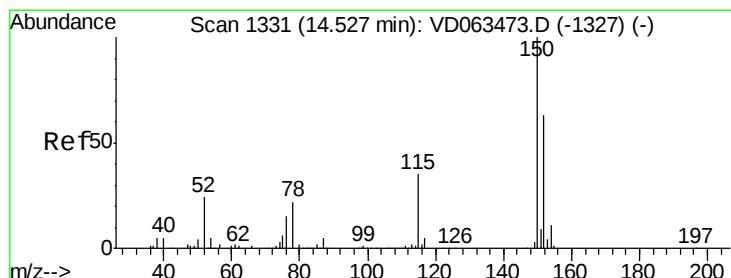
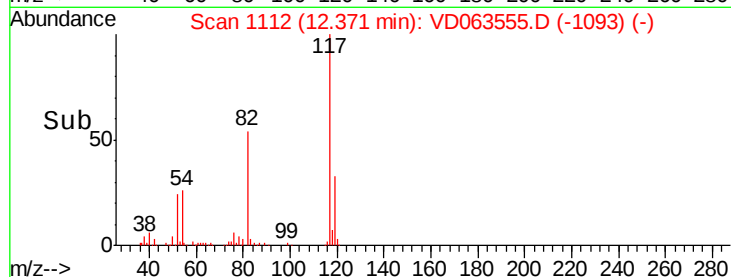
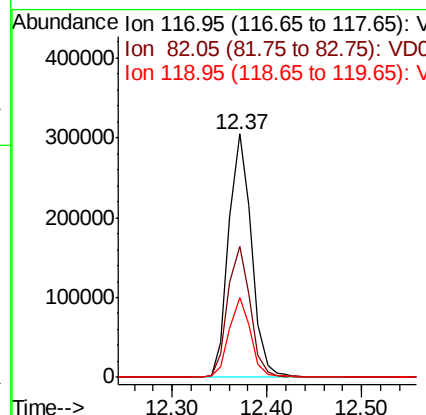
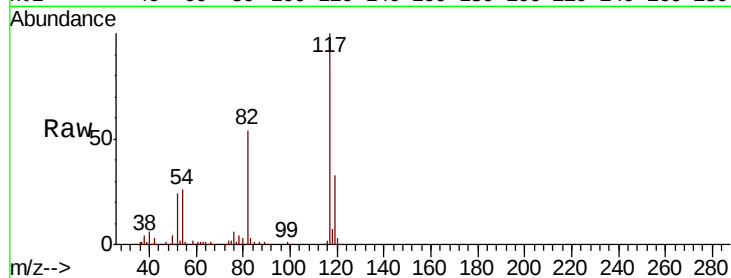




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063555.D
Acq: 14 Aug 2019 5:45

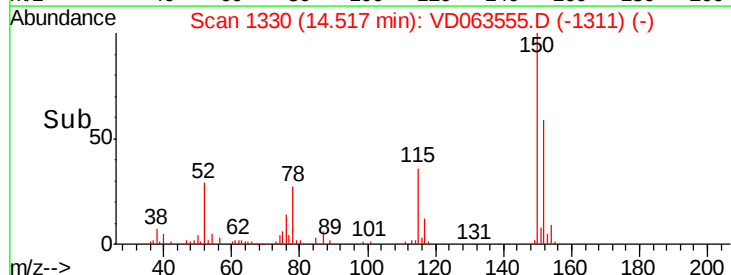
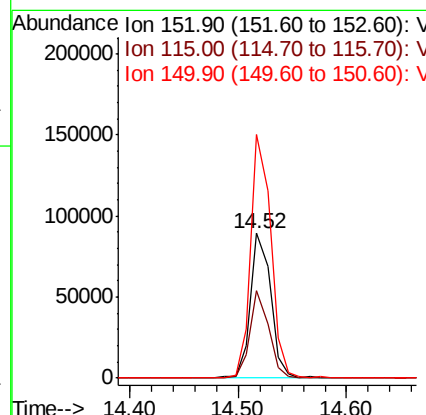
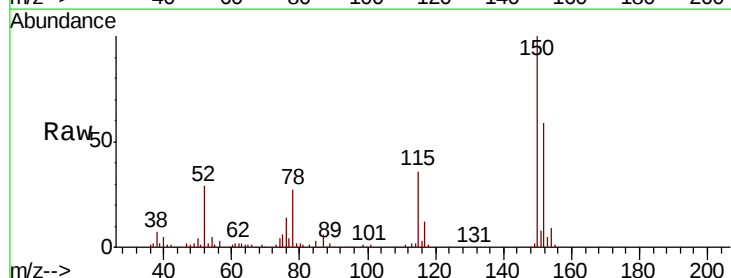
Instrument :
MSVOA_D
ClientSampleId :

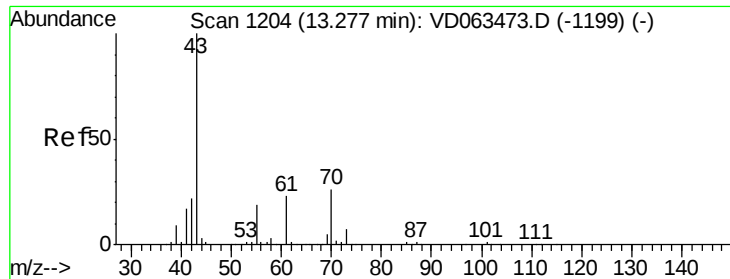
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.0	63.0
119	32.8	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063555.D
Acq: 14 Aug 2019 5:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.9	92.7
150	168.1	0.0	318.6





#74

N-amvl acetate

Concen: 1.577 ug/l

RT: 13.29 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD063555.D

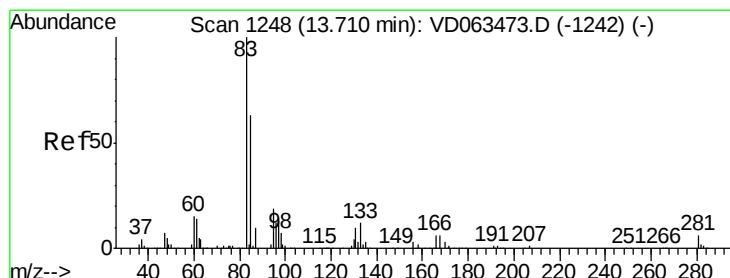
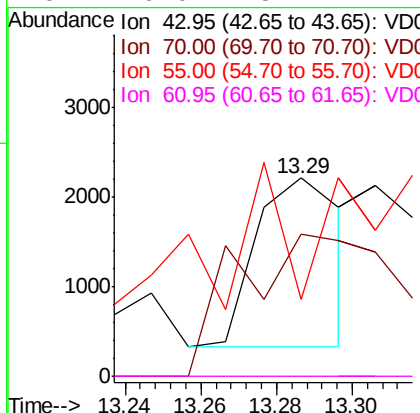
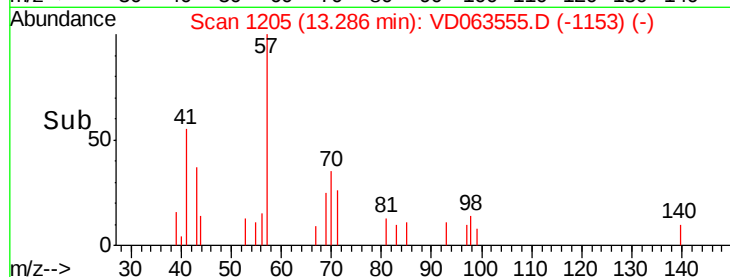
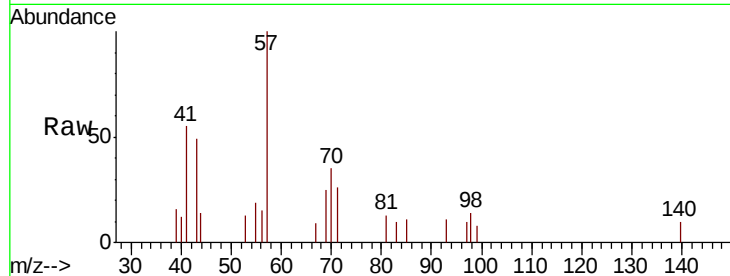
Acq: 14 Aug 2019 5:45

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	43	Resp:	2971
Ion	Ratio	Lower	Upper
43	100		
70	71.4	21.1	31.7#
55	38.9	15.4	23.0#
61	0.0	18.2	27.2#



#75

1,1,2,2-Tetrachloroethane

Concen: 4.215 ug/l

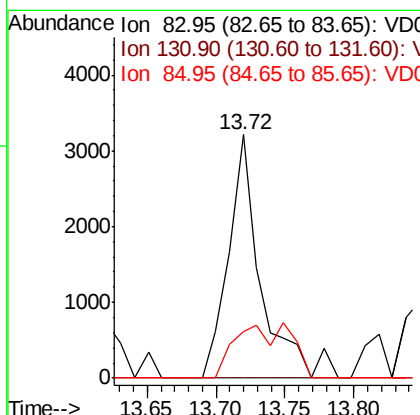
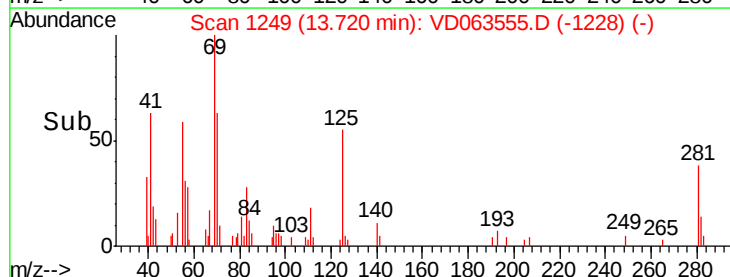
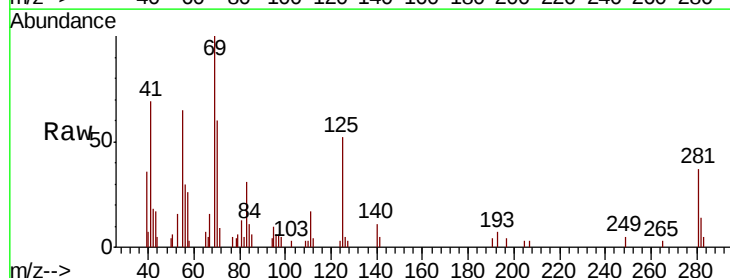
RT: 13.72 min Scan# 1249

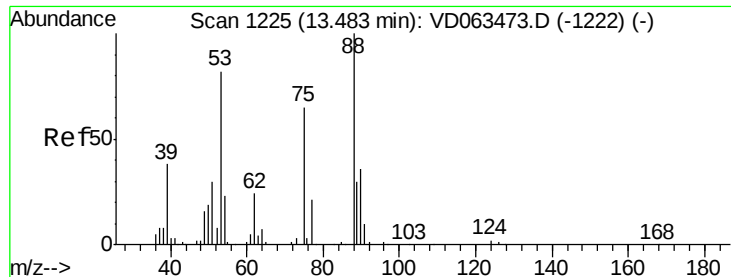
Delta R.T. 0.01 min

Lab File: VD063555.D

Acq: 14 Aug 2019 5:45

Tgt Ion:	83	Resp:	5252
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	15.8#
85	19.2	31.4	94.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 183.551 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD063555.D

Acq: 14 Aug 2019 5:45

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 66819

Ion Ratio Lower Upper

75 100

53 0.7 101.0 151.4#

89 0.0 37.0 55.6#

