

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041320\
 Data File : VD065615.D
 Acq On : 13 Apr 2020 14:15
 Operator : VA/SY
 Sample : VD0413SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBL01

Quant Time: Apr 14 02:11:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	428089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	681713	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	612892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	277961	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	229869	56.78	ug/l	0.00
Spiked Amount			Recovery	=	113.56%	
35) Dibromofluoromethane	7.92	113	241095	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
50) Toluene-d8	10.34	98	843619	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.64	95	250110	44.75	ug/l	0.00
Spiked Amount			Recovery	=	89.50%	

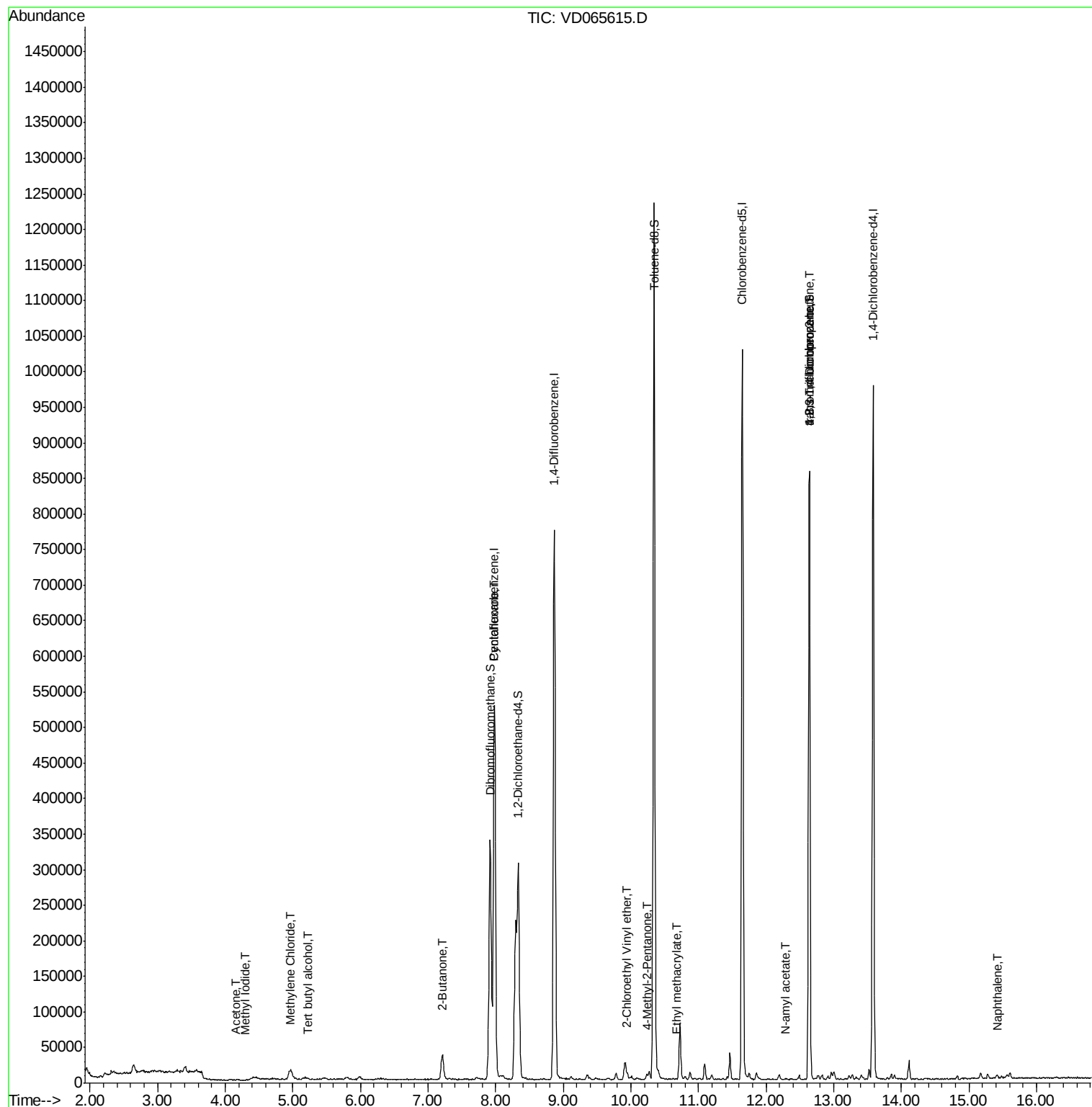
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	560	2.686	ug/l #	90
11) Tert butyl alcohol	5.23	59	637	3.117	ug/l #	73
16) Acetone	4.16	43	2251	3.079	ug/l	92
20) Methylene Chloride	4.97	84	10596	2.193	ug/l #	90
25) 2-Butanone	7.21	43	2495	2.493	ug/l	98
31) Cyclohexane	7.98	56	9763	1.352	ug/l #	1
51) 4-Methyl-2-Pentanone	10.23	43	6633	2.707	ug/l	94
56) Ethyl methacrylate	10.67	69	253	3.366	ug/l #	59
58) 2-Chloroethyl Vinyl ether	9.95	63	3575	1.833	ug/l	100
74) N-amyl acetate	12.29	43	380	3.022	ug/l #	41
76) 1,2,3-Trichloropropane	12.64	75	120538	54.070	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	120538	125.245	ug/l #	13
95) Naphthalene	15.42	128	5628	4.564	ug/l #	93

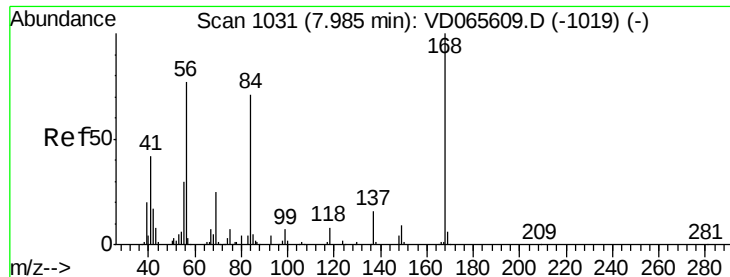
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065615.D

Acq: 13 Apr 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

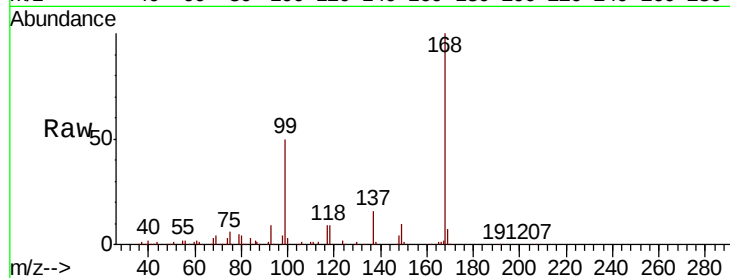
VD0413SBL01

Tot Ion:168 Resp: 428089

Ion Ratio Lower Upper

168 100

99 49.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

200000

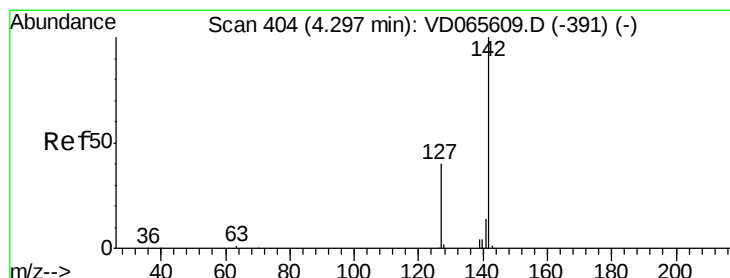
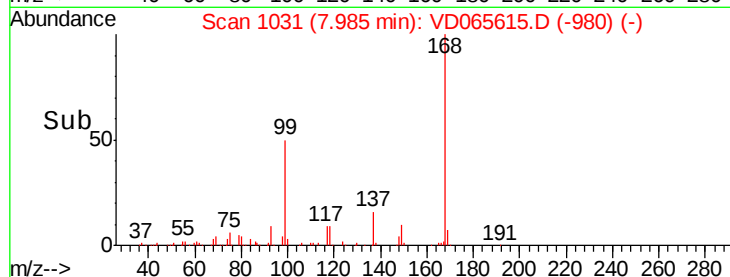
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.686 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD065615.D

Acq: 13 Apr 2020 14:15

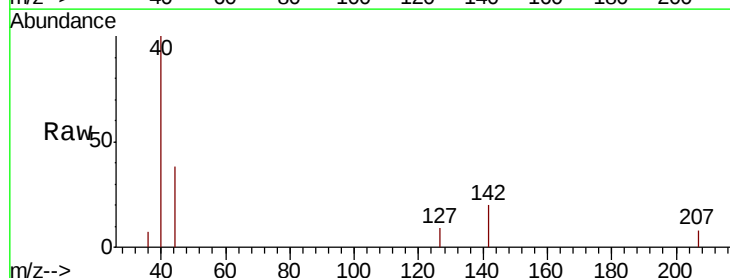
Tgt Ion:142 Resp: 560

Ion Ratio Lower Upper

142 100

127 43.9 34.6 51.8

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.29

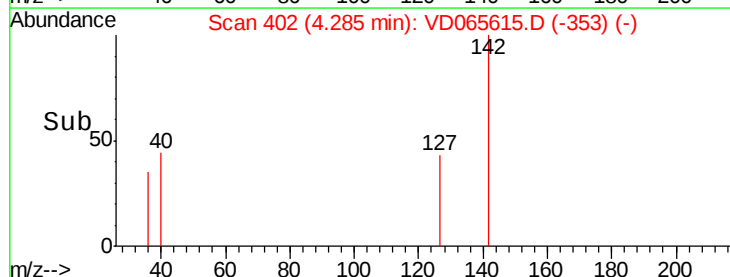
600

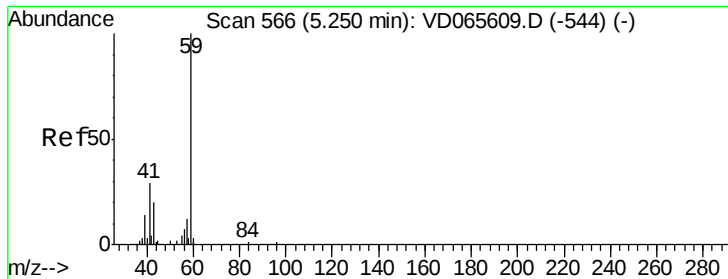
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200

0

Time-->

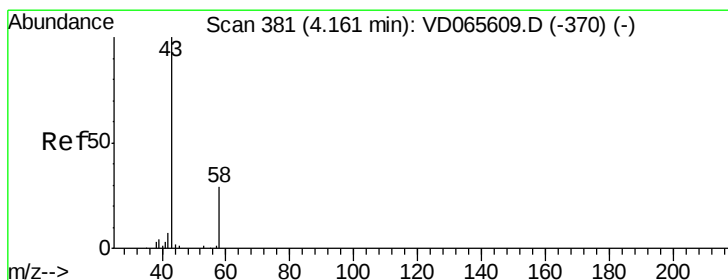
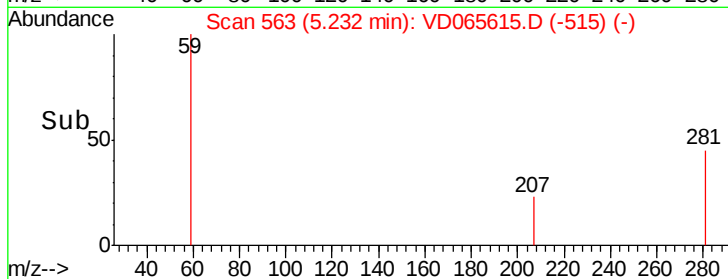
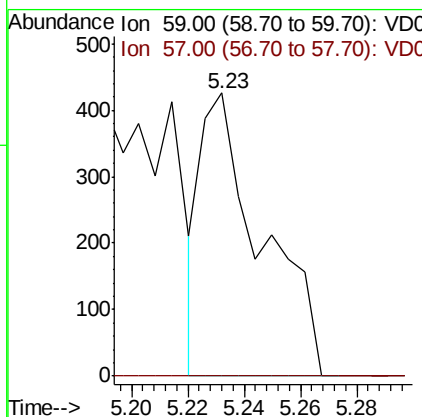
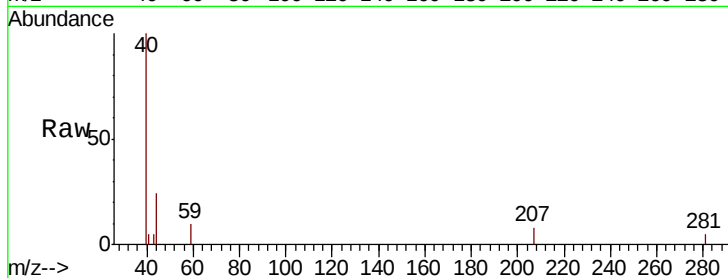




#11
Tert butyl alcohol
Concen: 3.117 ug/l
RT: 5.23 min Scan# 563
Delta R.T. -0.02 min
Lab File: VD065615.D
Acq: 13 Apr 2020 14:15

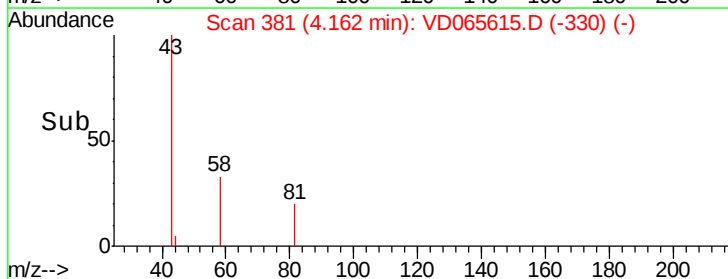
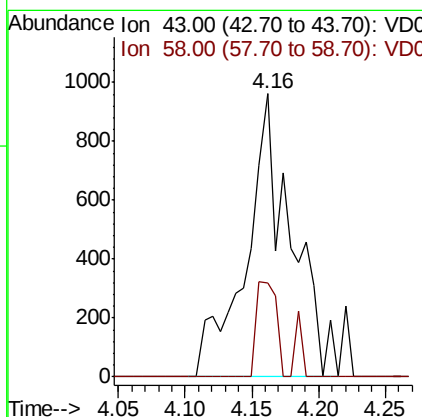
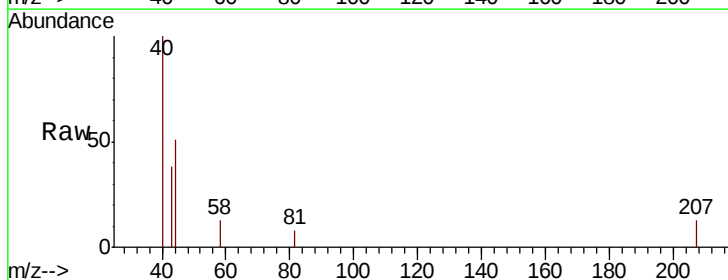
Instrument :
MSVOA_D
ClientSampleId :
VD0413SBL01

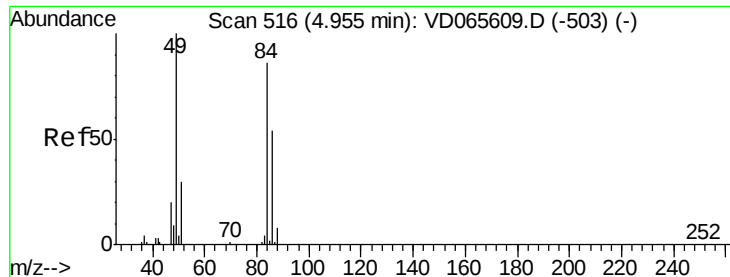
Tot Ion: 59 Resp: 637
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 3.079 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.00 min
Lab File: VD065615.D
Acq: 13 Apr 2020 14:15

Tgt Ion: 43 Resp: 2251
Ion Ratio Lower Upper
43 100
58 33.1 23.2 34.8

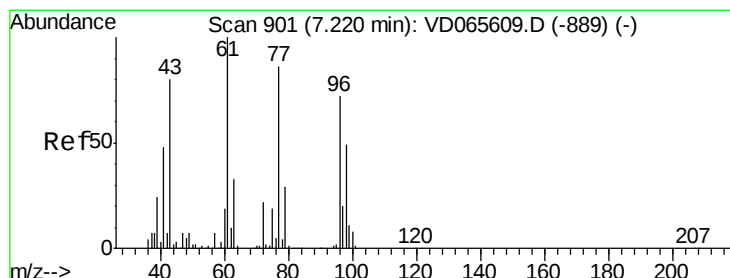
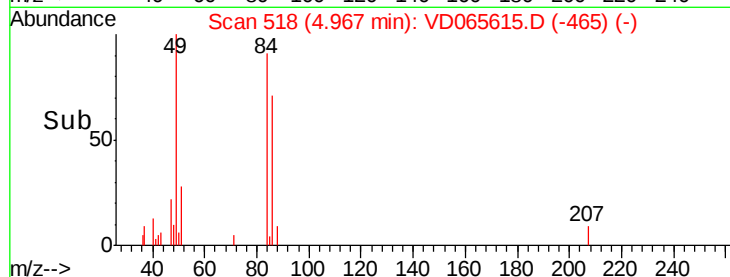
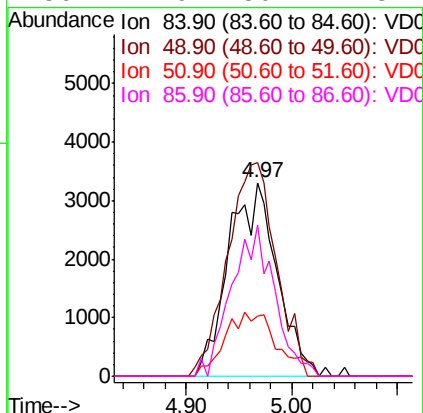
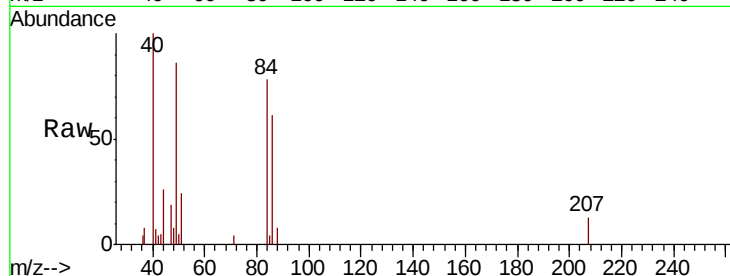




#20
Methylene Chloride
Concen: 2.193 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065615.D
Acq: 13 Apr 2020 14:15

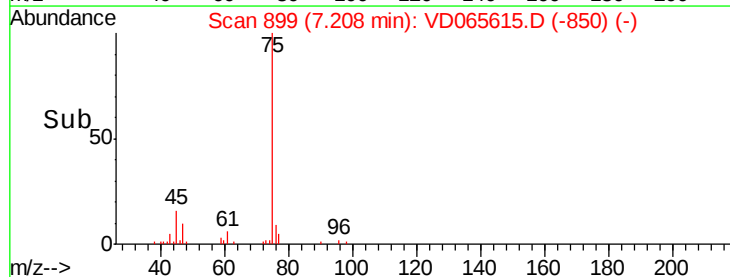
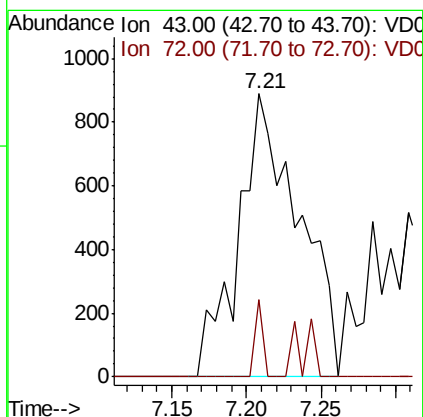
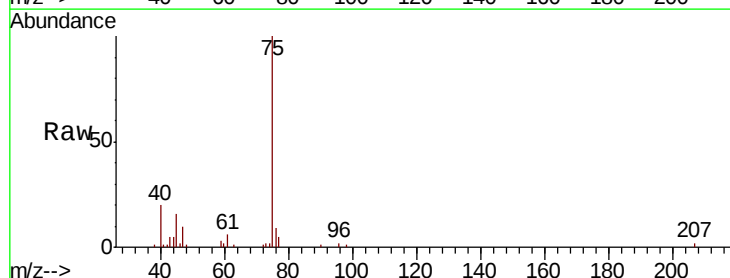
Instrument :
MSVOA_D
ClientSampleId :
VD0413SBL01

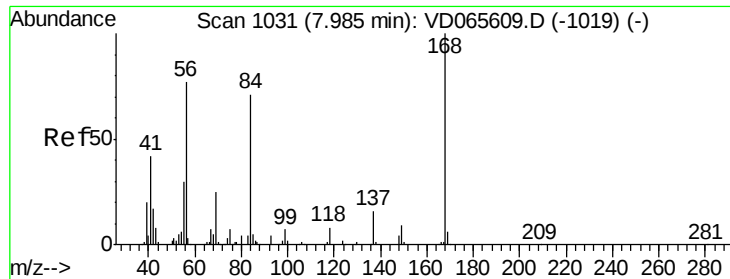
Tot Ion: 84 Resp: 10596
Ion Ratio Lower Upper
84 100
49 110.4 93.4 140.2
51 31.2 28.5 42.7
86 77.9 50.2 75.4#



#25
2-Butanone
Concen: 2.493 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065615.D
Acq: 13 Apr 2020 14:15

Tgt Ion: 43 Resp: 2495
Ion Ratio Lower Upper
43 100
72 27.2 22.5 33.7

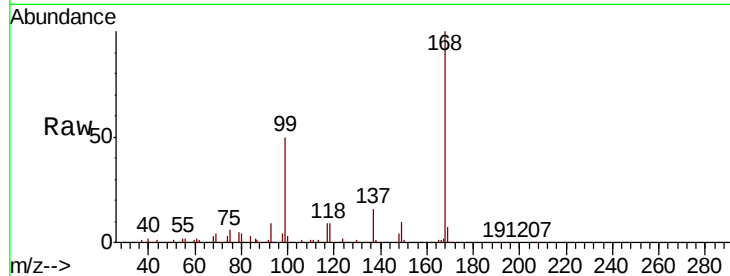




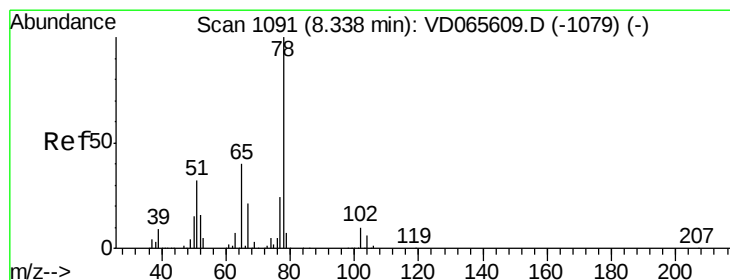
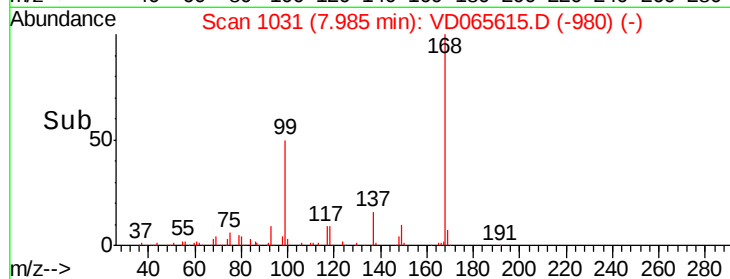
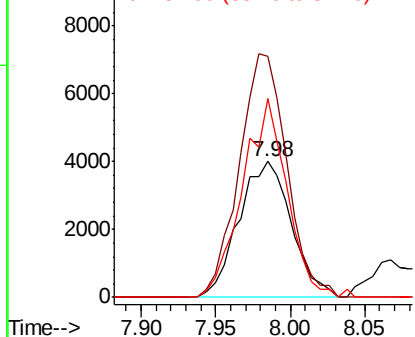
#31
Cyclohexane
Concen: 1.352 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065615.D
Acq: 13 Apr 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBL01

Tot Ion: 56 Resp: 9763
Ion Ratio Lower Upper
56 100
69 178.1 26.2 39.4#
84 146.5 73.7 110.5#

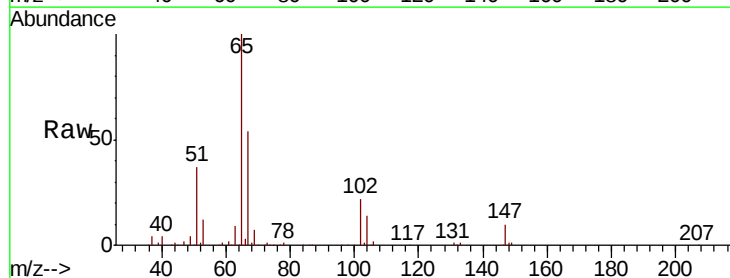


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

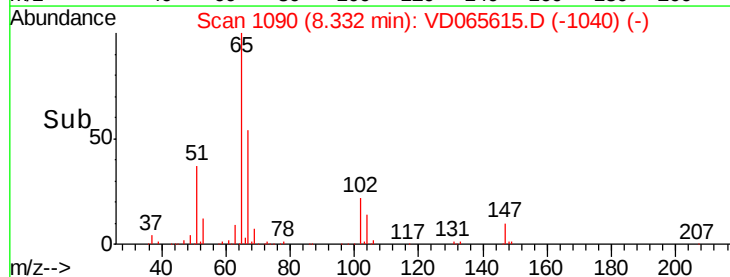
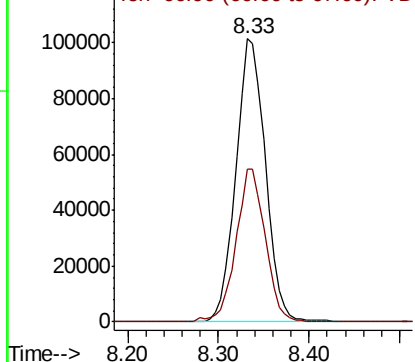


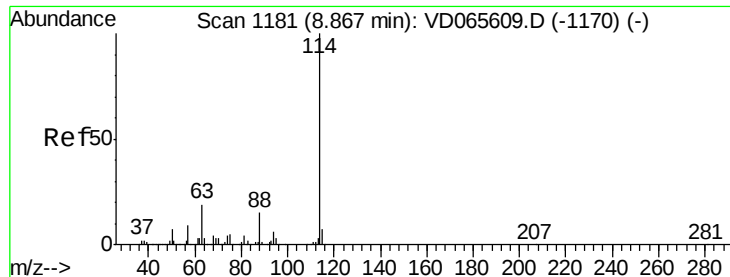
#33
1,2-Dichloroethane-d4
Concen: 56.776 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065615.D
Acq: 13 Apr 2020 14:15

Tgt Ion: 65 Resp: 229869
Ion Ratio Lower Upper
65 100
67 53.5 0.0 107.6



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

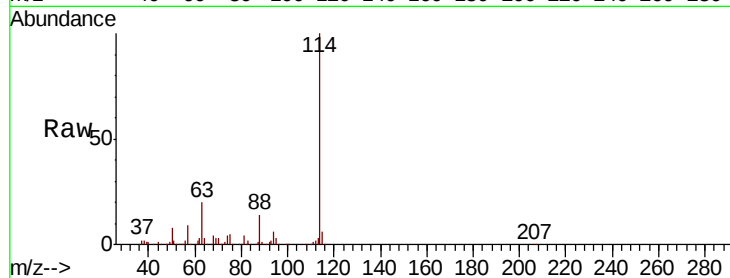




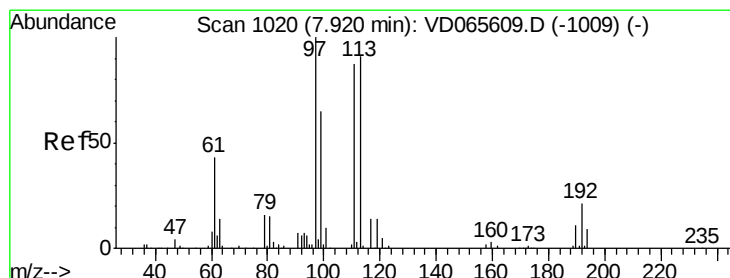
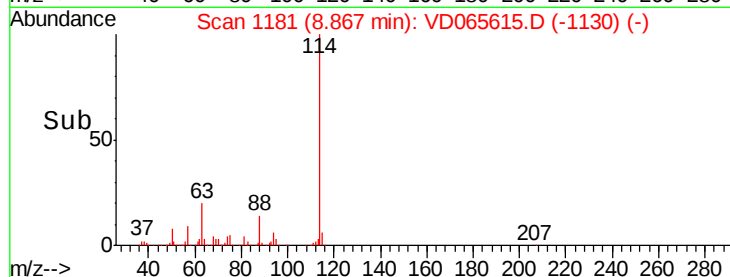
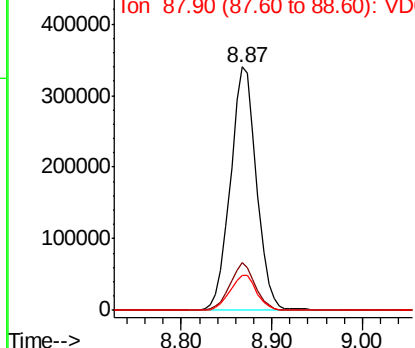
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065615.D
 Acq: 13 Apr 2020 14:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBL01

Tot Ion:114 Resp: 681713
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.2
 88 14.1 0.0 29.6

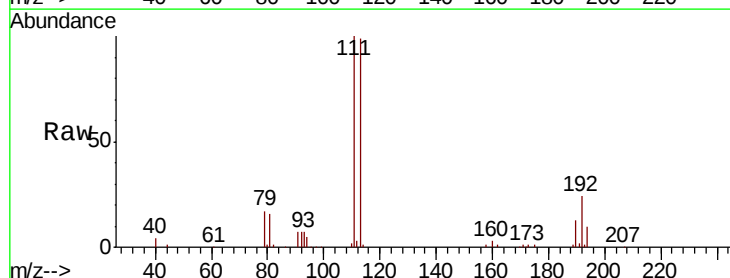


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

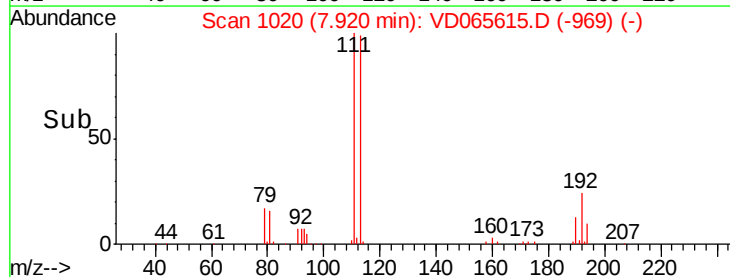
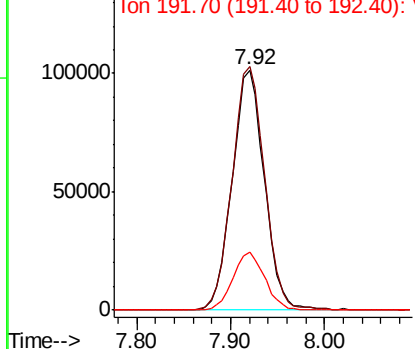


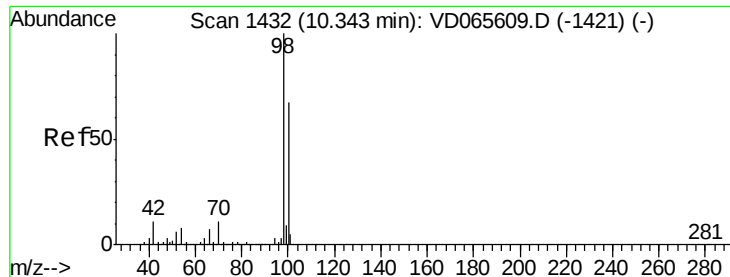
#35
 Dibromofluoromethane
 Concen: 50.622 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065615.D
 Acq: 13 Apr 2020 14:15

Tgt Ion:113 Resp: 241095
 Ion Ratio Lower Upper
 113 100
 111 102.4 80.6 120.8
 192 23.7 18.6 27.8



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

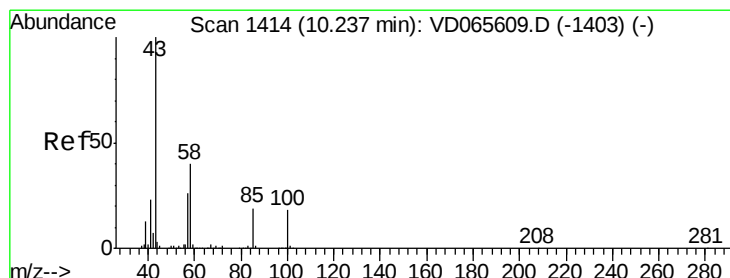
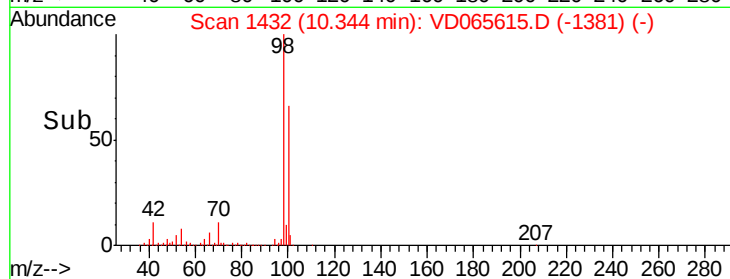
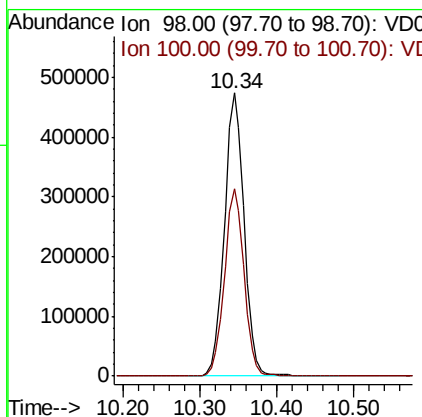
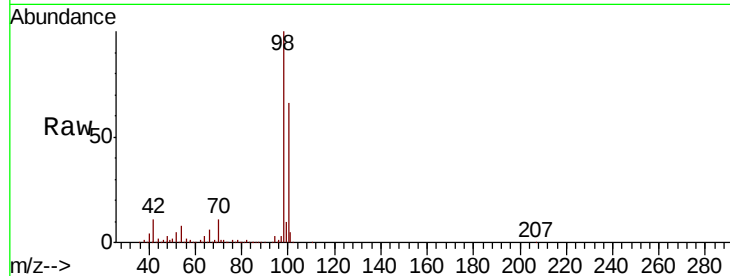




#50
Toluene-d8
Concen: 48.506 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065615.D
Acq: 13 Apr 2020 14:15

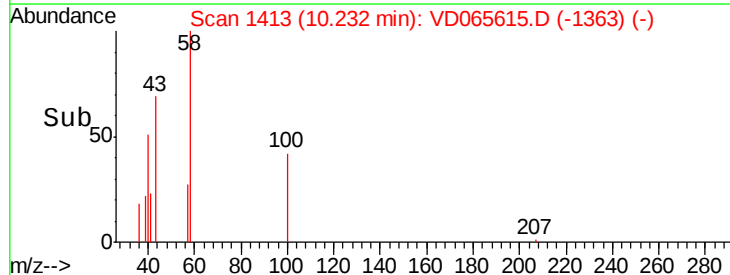
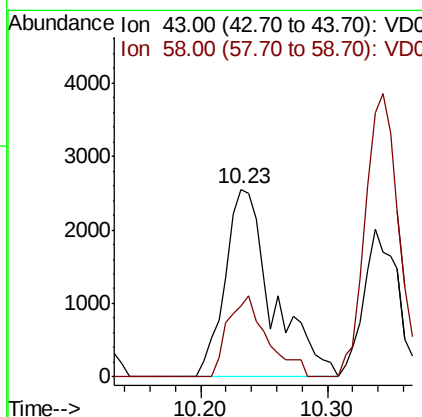
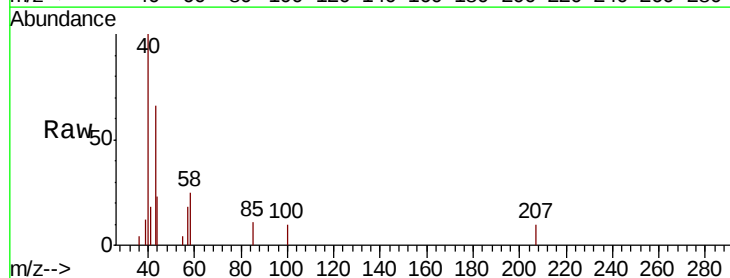
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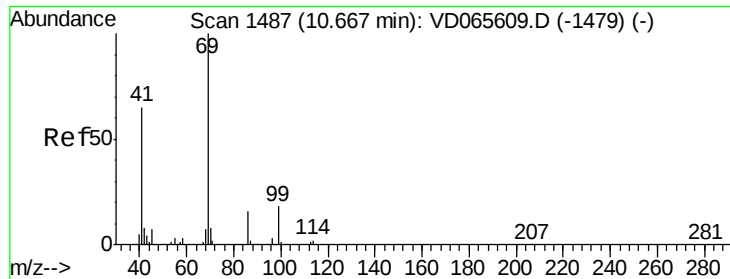
Tot Ion: 98 Resp: 843619
Ion Ratio Lower Upper
98 100
100 66.1 52.6 79.0



#51
4-Methyl-2-Pentanone
Concen: 2.707 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065615.D
Acq: 13 Apr 2020 14:15

Tgt Ion: 43 Resp: 6633
Ion Ratio Lower Upper
43 100
58 35.8 31.4 47.2





#56

Ethyl methacrylate

Concen: 3.366 ug/l

RT: 10.67 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VD065615.D

Acq: 13 Apr 2020 14:15

Instrument :

MSVOA_D

ClientSampleID :

VD0413SBL01

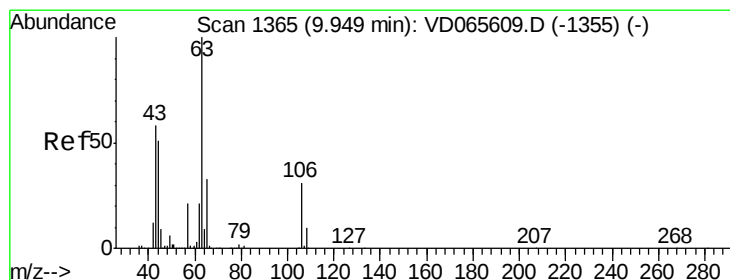
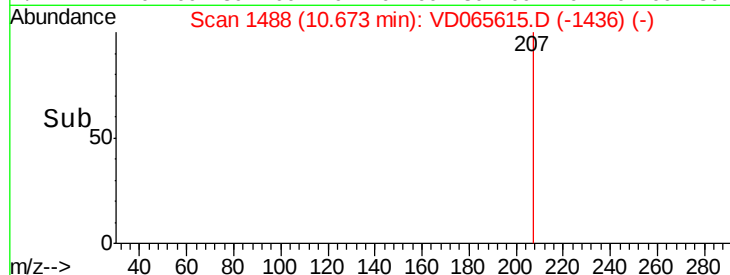
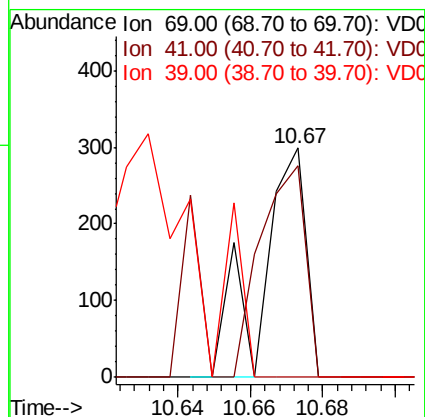
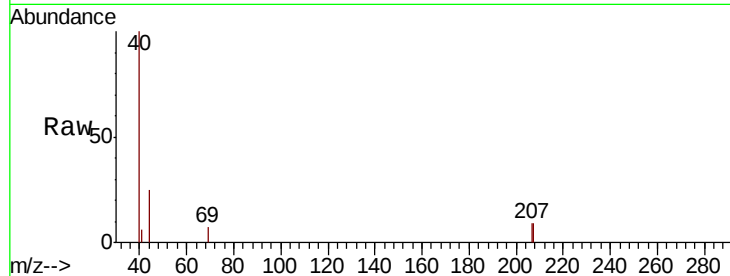
Tot Ion: 69 Resp: 253

Ion Ratio Lower Upper

69 100

41 94.5 54.4 81.6#

39 0.0 26.5 39.7#



#58

2-Chloroethyl Vinyl ether

Concen: 1.833 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065615.D

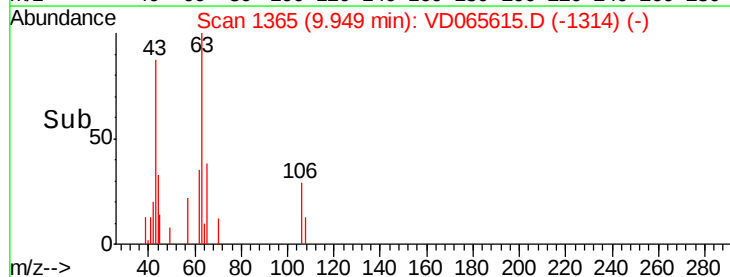
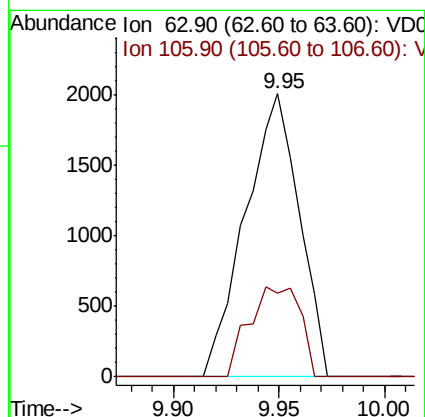
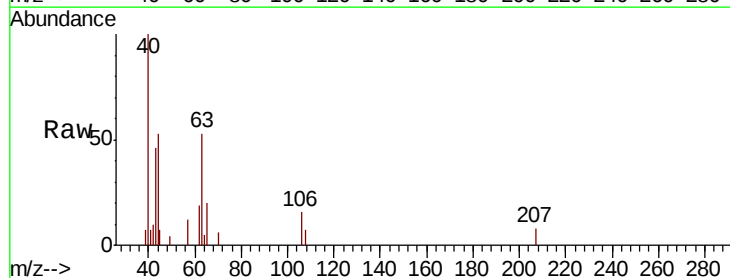
Acq: 13 Apr 2020 14:15

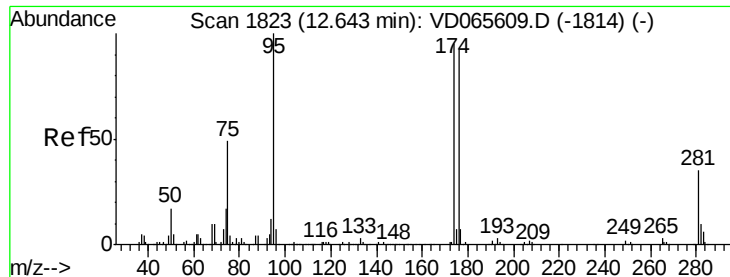
Tgt Ion: 63 Resp: 3575

Ion Ratio Lower Upper

63 100

106 30.0 24.2 36.2

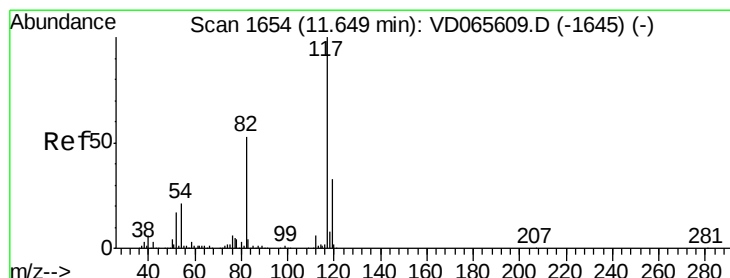
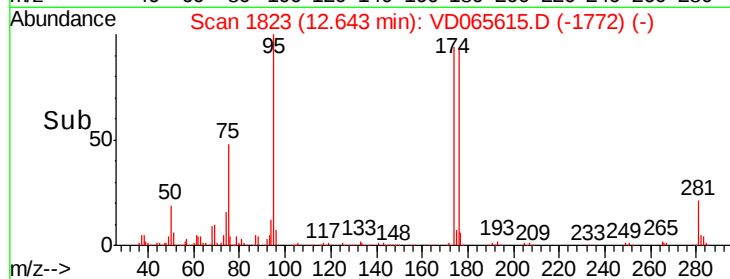
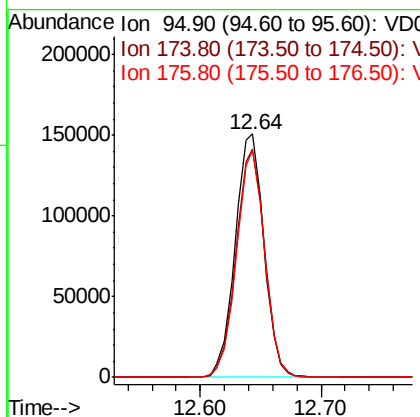
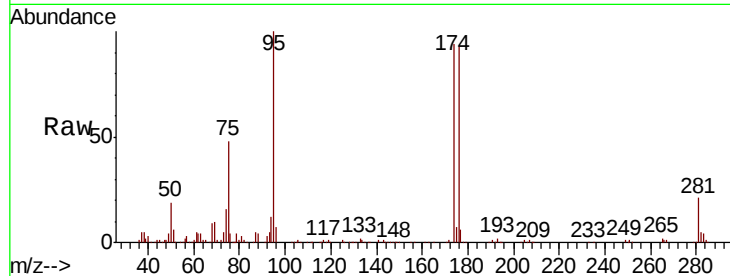




#62
4-Bromofluorobenzene
Concen: 44.752 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VD065615.D
Acq: 13 Apr 2020 14:15

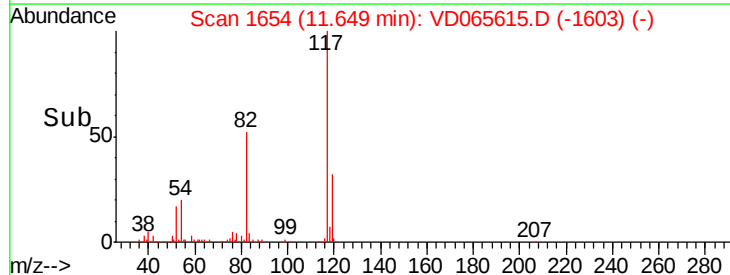
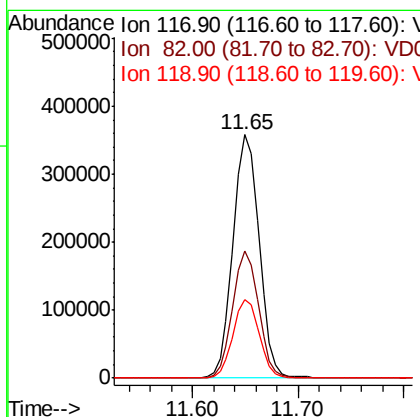
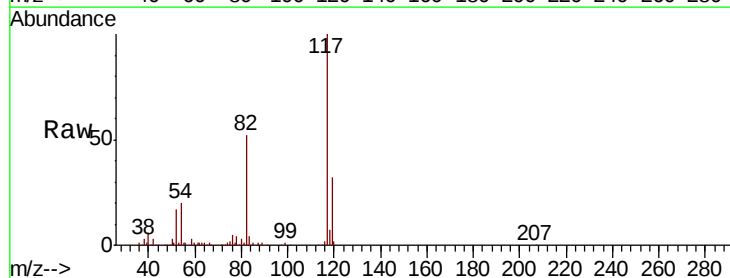
Instrument :
MSVOA_D
ClientSampleId :
VD0413SBL01

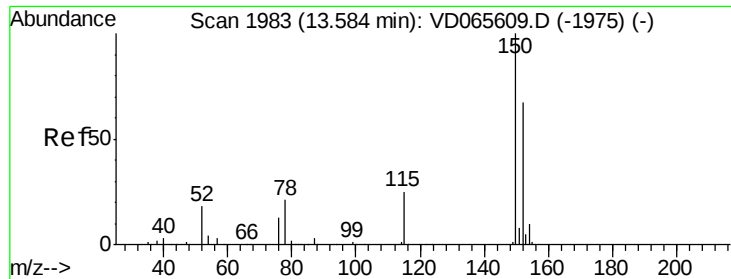
Tot Ion	Ratio	Lower	Upper
95	100		
174	93.9	0.0	182.8
176	91.5	0.0	176.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065615.D
Acq: 13 Apr 2020 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.6	64.0
119	32.4	26.7	40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065615.D

Acq: 13 Apr 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBL01

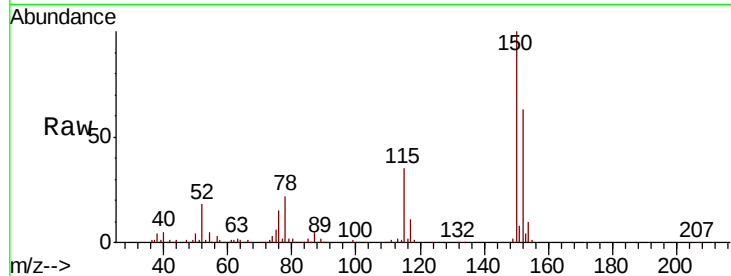
Tot Ion:152 Resp: 277961

Ion Ratio Lower Upper

152 100

115 55.2 27.1 81.2

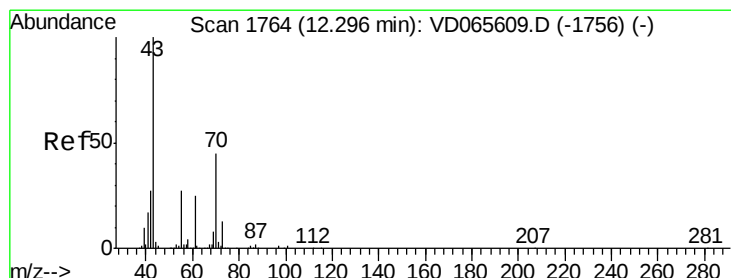
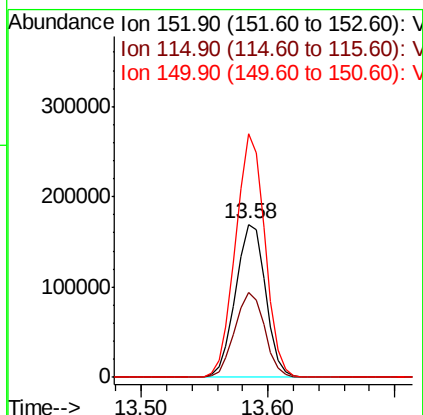
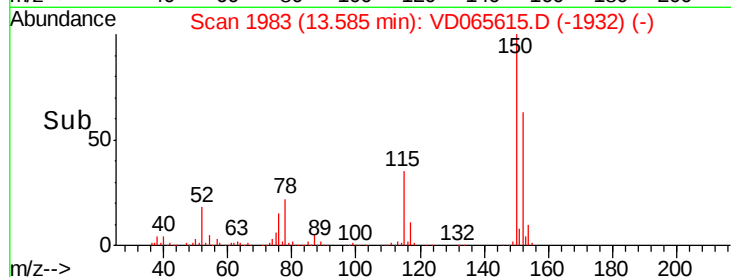
150 155.9 0.0 348.2



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



#74

N-ethyl acetate

Concen: 3.022 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065615.D

Acq: 13 Apr 2020 14:15

Tgt Ion: 43 Resp: 380

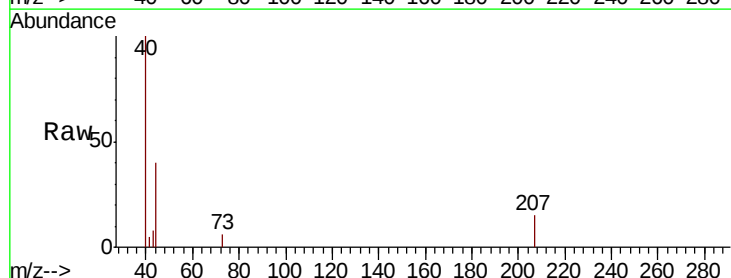
Ion Ratio Lower Upper

43 100

70 0.0 35.2 52.8#

55 0.0 22.5 33.7#

61 0.0 19.4 29.0#

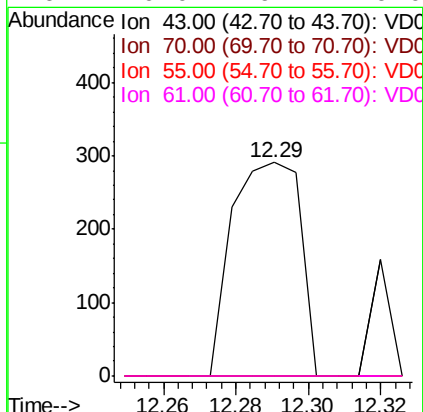
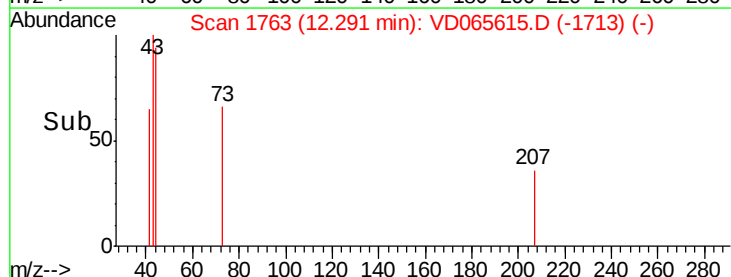


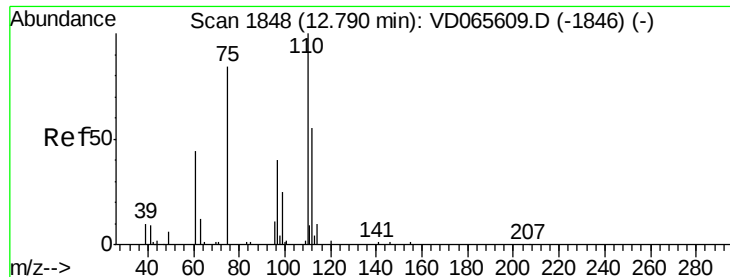
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#76

1,2,3-Trichloropropane

Concen: 54.070 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065615.D

Acq: 13 Apr 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

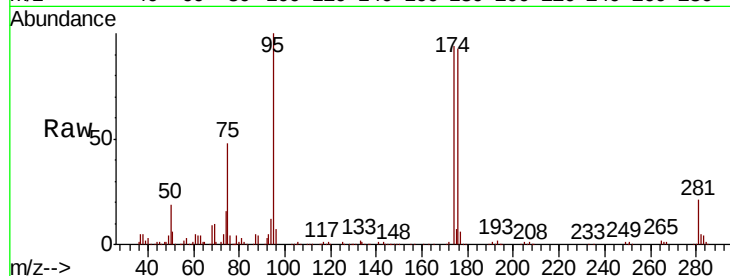
VD0413SBL01

Tot Ion: 75 Resp: 120538

Ion Ratio Lower Upper

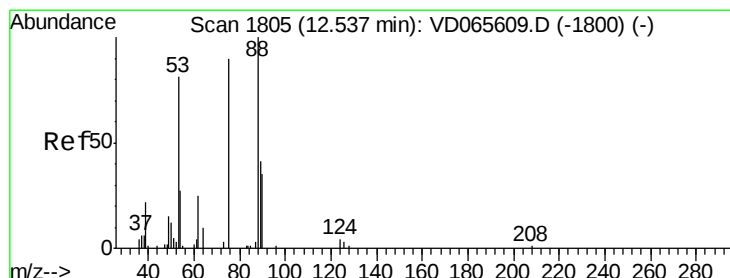
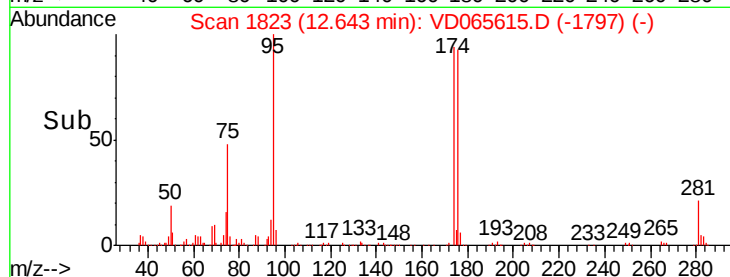
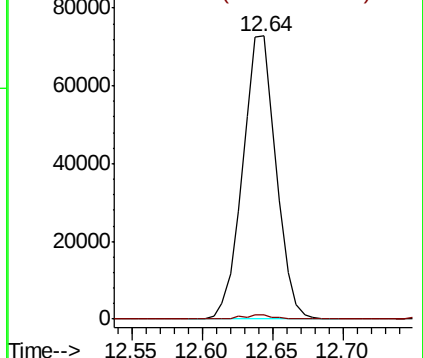
75 100

77 1.4 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: 125.245 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065615.D

Acq: 13 Apr 2020 14:15

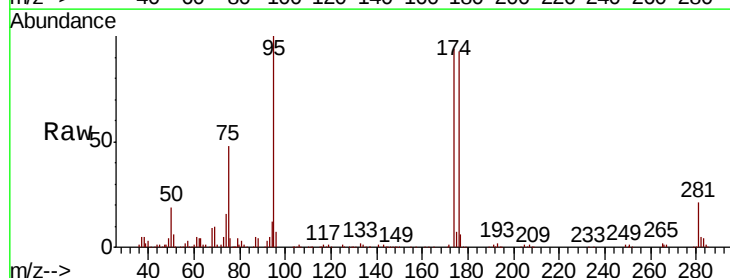
Tgt Ion: 75 Resp: 120538

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.8#

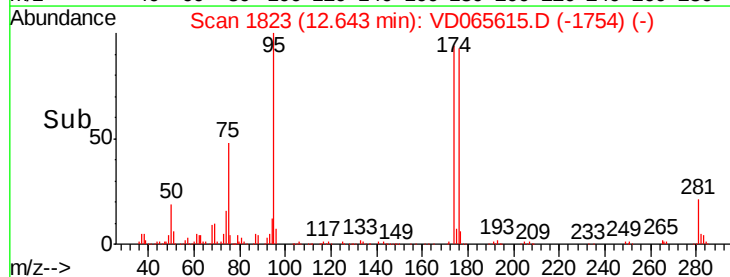
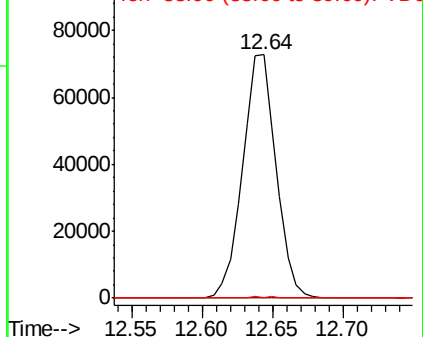
89 0.2 36.1 54.1#

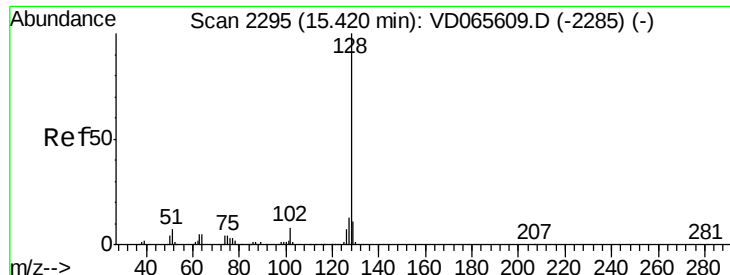


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 4.564 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.00 min

Lab File: VD065615.D

Acq: 13 Apr 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBL01

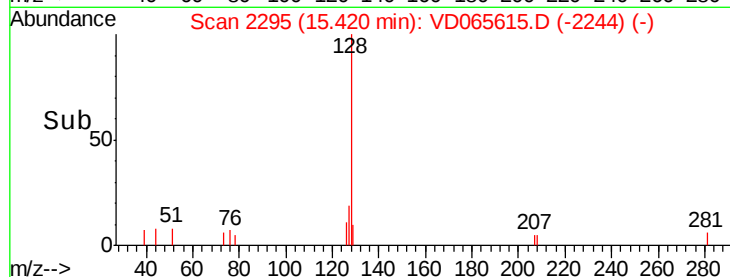
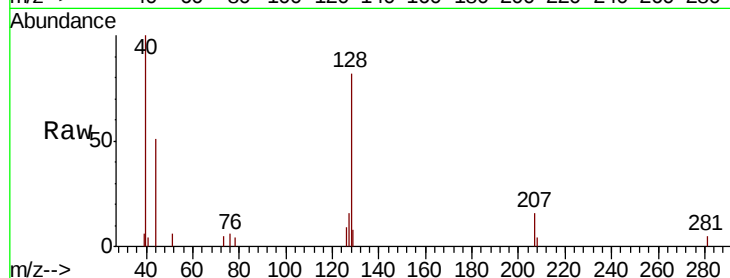
Tot Ion:128 Resp: 5628

Ion Ratio Lower Upper

128 100

127 14.9 10.6 15.8

129 6.8 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

