

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065410.D
 Acq On : 04 Mar 2020 13:47
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 05 01:26:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	459712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	726958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	659794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303785	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	217034	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
35) Dibromofluoromethane	7.91	113	228856	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	10.34	98	822560	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
62) 4-Bromofluorobenzene	12.64	95	255225	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.99	85	4210	1.066	ug/l	88
3) Chloromethane	2.21	50	5368	1.125	ug/l #	84
5) Bromomethane	2.78	94	4041	Below Cal	#	74
6) Chloroethane	2.93	64	2991	1.038	ug/l #	87
7) Trichlorofluoromethane	3.27	101	9080	1.310	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.09	101	5149	1.153	ug/l #	91
11) Tert butyl alcohol	5.26	59	402	1.777	ug/l #	76
12) 1,1-Dichloroethene	4.06	96	5490	1.284	ug/l #	70
13) Acrolein	3.92	56	791	2.028	ug/l #	43
15) Acrylonitrile	5.44	53	2257	2.516	ug/l	96
16) Acetone	4.16	43	6937	8.698	ug/l	97
17) Carbon Disulfide	4.40	76	16720	1.174	ug/l #	90
20) Methylene Chloride	4.96	84	11415	Below Cal	#	91
21) trans-1,2-Dichloroethene	5.48	96	5198	1.093	ug/l #	64
23) Vinyl Acetate	6.31	43	9191	1.356	ug/l	97
25) 2-Butanone	7.21	43	3505	3.221	ug/l	90
26) 2,2-Dichloropropane	7.21	77	6866	1.003	ug/l	81
29) Tetrahydrofuran	7.57	42	1067	1.535	ug/l #	80
31) Cyclohexane	7.98	56	16094	2.055	ug/l #	55
36) 1,1-Dichloropropene	8.12	75	7378	1.059	ug/l	96
39) Methylcyclohexane	9.36	83	9272	1.102	ug/l	94
49) 1,4-Dioxane	9.47	88	93	3.321	ug/l #	45
58) 2-Chloroethyl Vinyl ether	9.94	63	633	2.695	ug/l #	73
59) 2-Hexanone	11.00	43	2143	1.237	ug/l	78
64) Tetrachloroethene	10.88	164	4970	1.051	ug/l #	88
68) m/p-Xylenes	11.86	106	10923	1.256	ug/l	95
76) 1,2,3-Trichloropropane	12.64	75	125058	52.170	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	125058	110.095	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.17	180	6210	1.128	ug/l	98
94) Hexachlorobutadiene	15.28	225	4622	1.278	ug/l	92
95) Naphthalene	15.42	128	10602	5.392	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	6180	1.299	ug/l	97

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Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

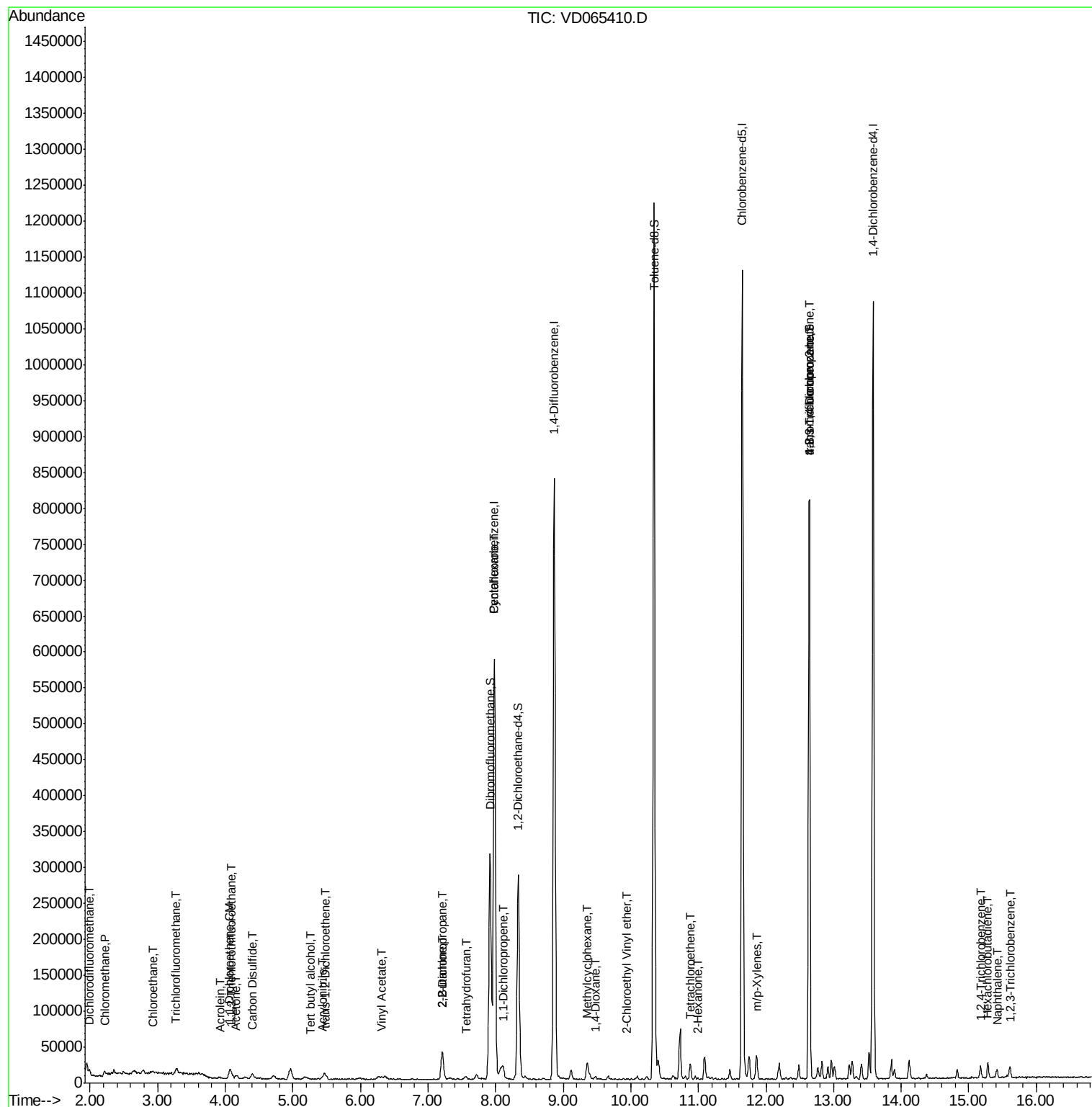
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

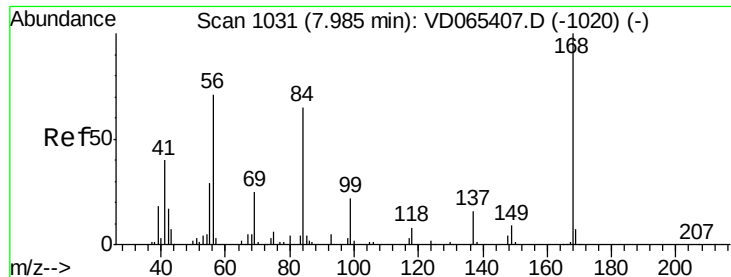
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065410.D

Acq: 04 Mar 2020 13:47

Instrument :

MSVOA_D

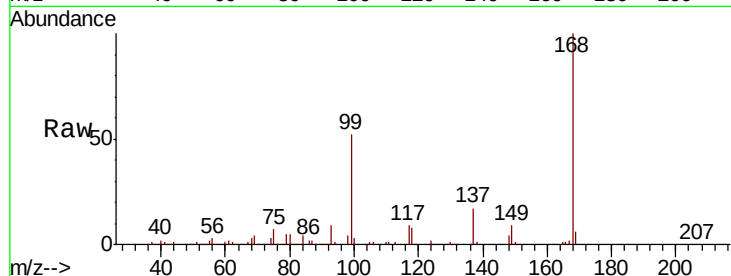
ClientSampleId :

Tot Ion:168 Resp: 459712

Ion Ratio Lower Upper

168 100

99 51.4 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

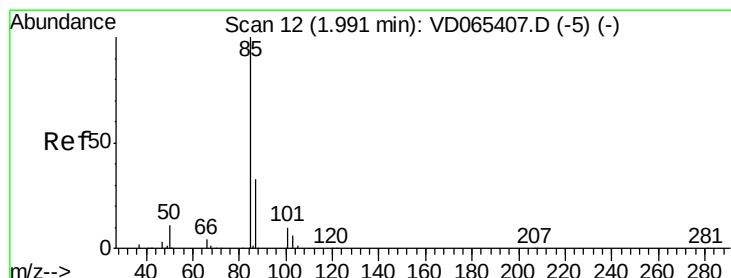
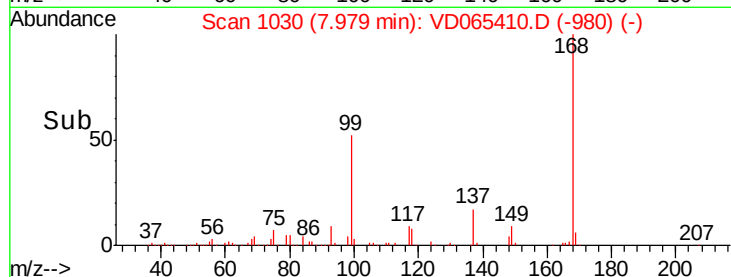
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.066 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065410.D

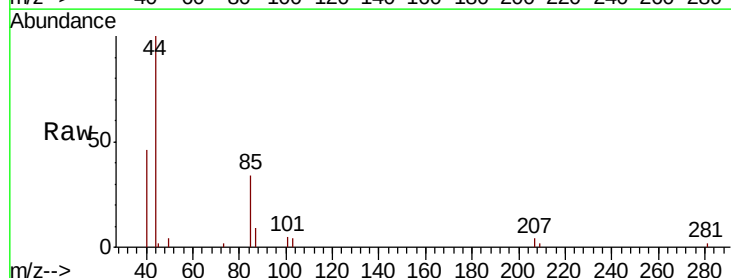
Acq: 04 Mar 2020 13:47

Tgt Ion: 85 Resp: 4210

Ion Ratio Lower Upper

85 100

87 26.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

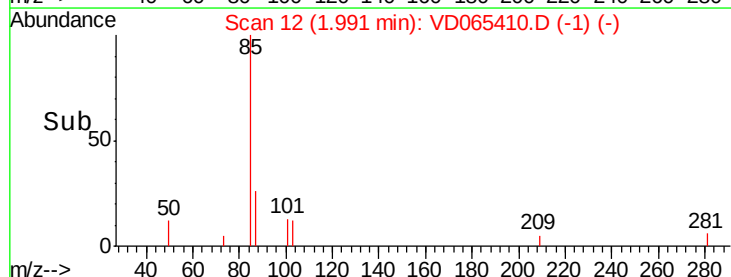
3000

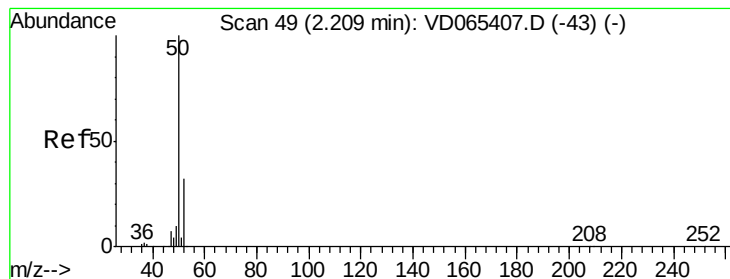
2000

1000

0

Time-->





#3

Chloromethane

Concen: 1.125 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065410.D

Acq: 04 Mar 2020 13:47

Instrument :

MSVOA_D

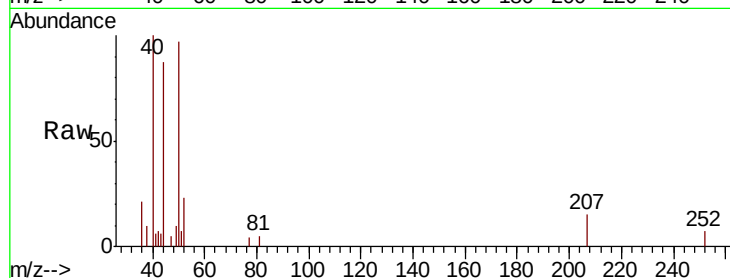
ClientSampleId :

Tot Ion: 50 Resp: 5368

Ion Ratio Lower Upper

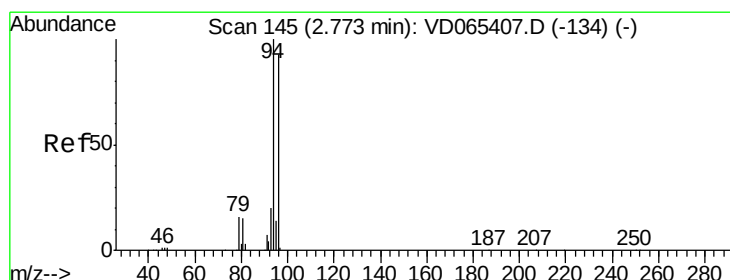
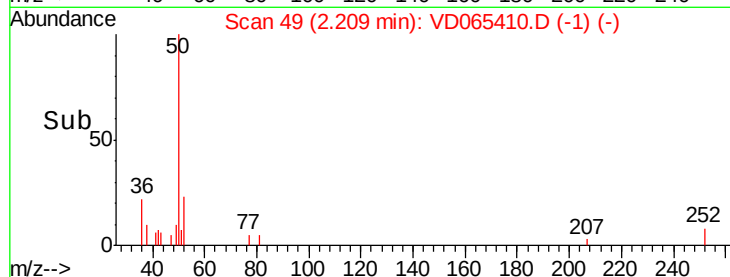
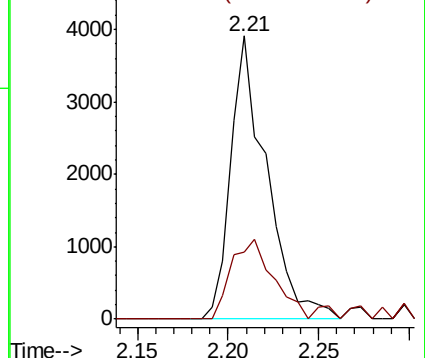
50 100

52 23.5 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065410.D

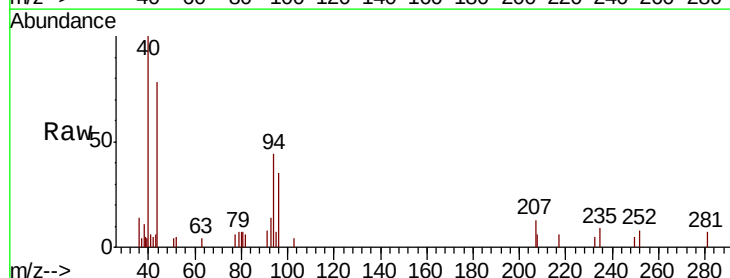
Acq: 04 Mar 2020 13:47

Tgt Ion: 94 Resp: 4041

Ion Ratio Lower Upper

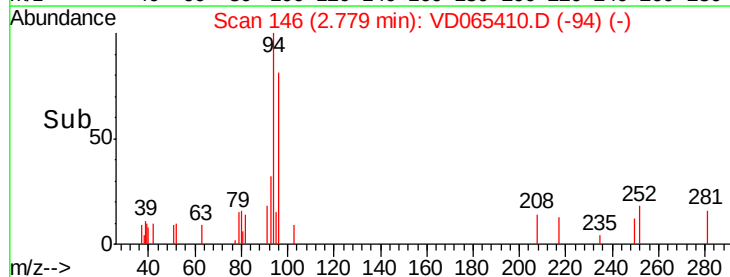
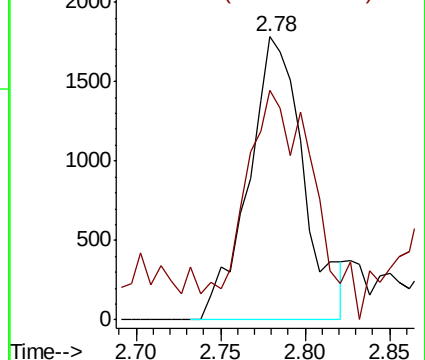
94 100

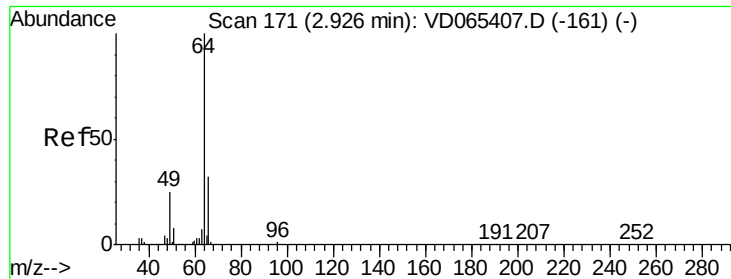
96 68.5 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#6

Chloroethane

Concen: 1.038 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065410.D

Acq: 04 Mar 2020 13:47

Instrument :

MSVOA_D

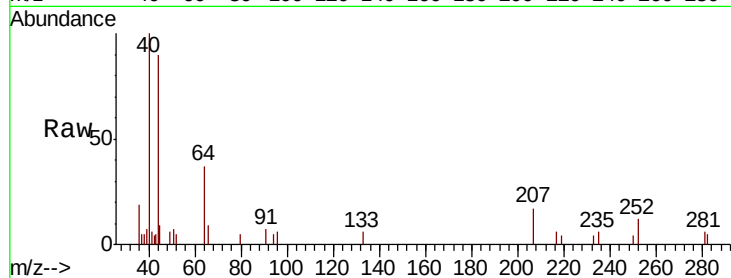
ClientSampleId :

Tot Ion: 64 Resp: 2991

Ion Ratio Lower Upper

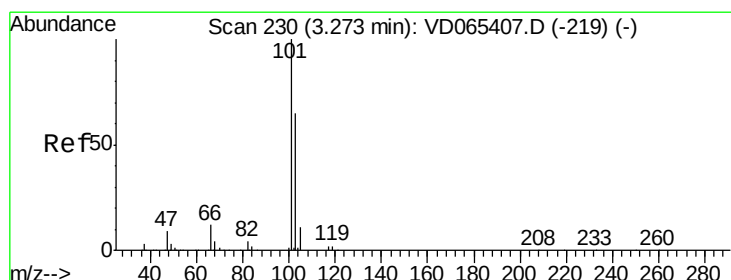
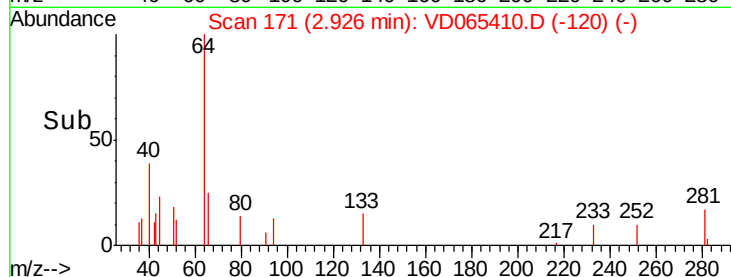
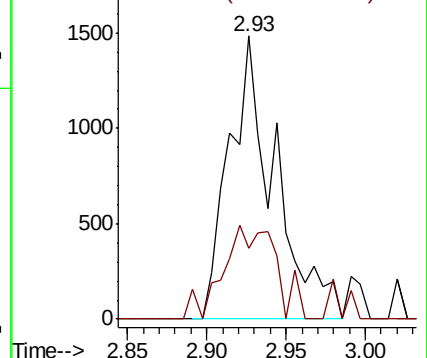
64 100

66 24.9 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



#7

Trichlorofluoromethane

Concen: 1.310 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD065410.D

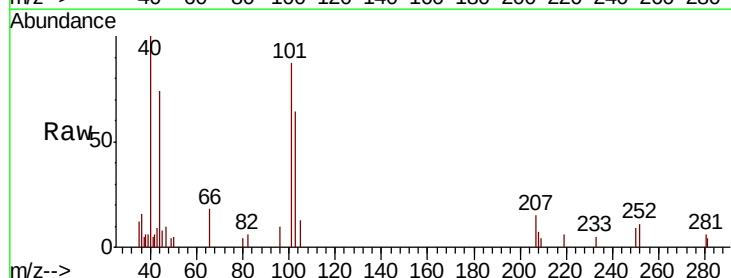
Acq: 04 Mar 2020 13:47

Tgt Ion: 101 Resp: 9080

Ion Ratio Lower Upper

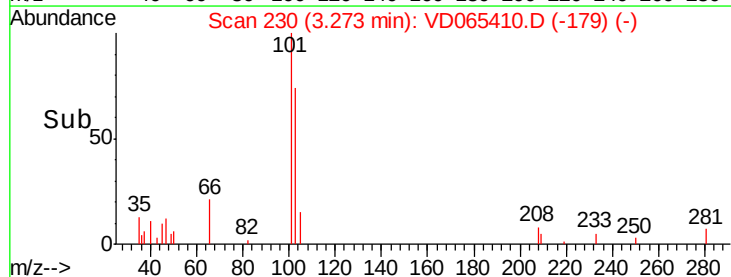
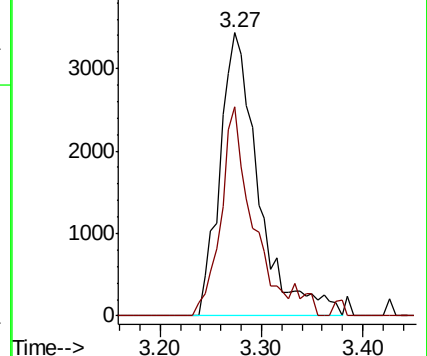
101 100

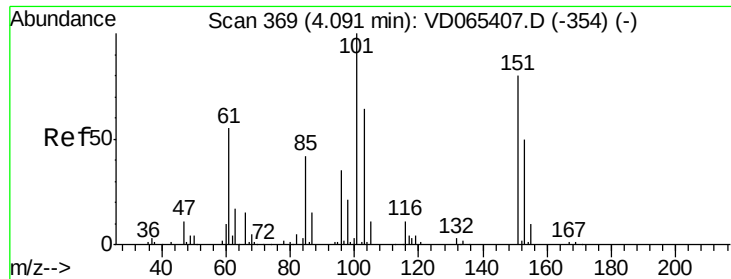
103 74.0 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.153 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065410.D

Acq: 04 Mar 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

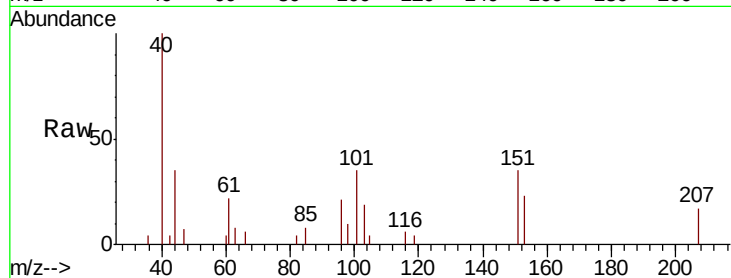
Tot Ion:101 Resp: 5149

Ion Ratio Lower Upper

101 100

85 27.1 34.2 51.2#

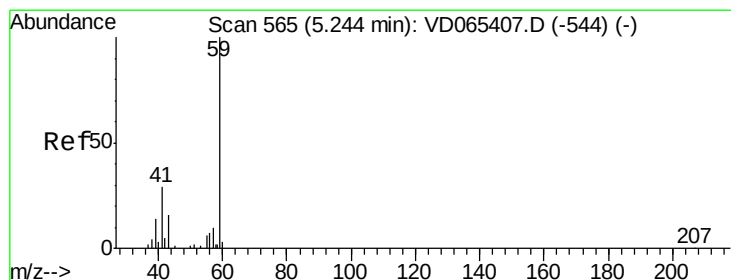
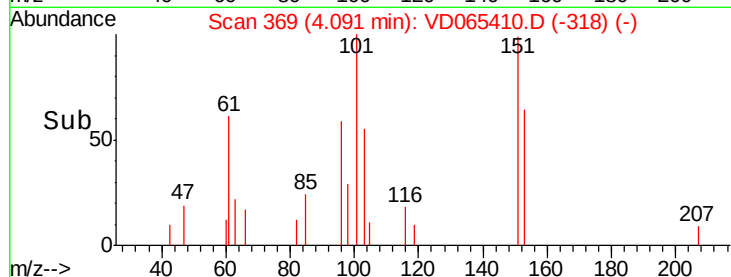
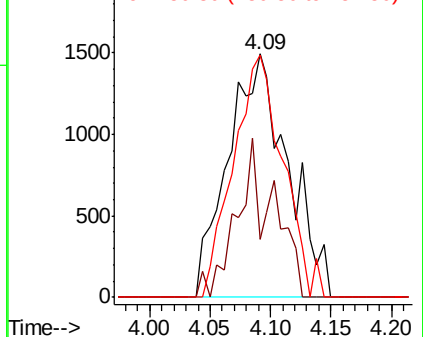
151 82.4 65.1 97.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VDC

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 1.777 ug/l

RT: 5.26 min Scan# 568

Delta R.T. 0.02 min

Lab File: VD065410.D

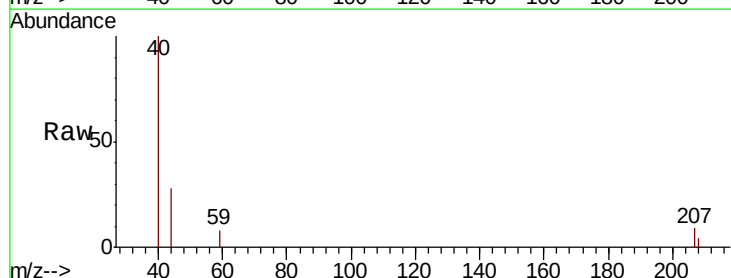
Acq: 04 Mar 2020 13:47

Tgt Ion: 59 Resp: 402

Ion Ratio Lower Upper

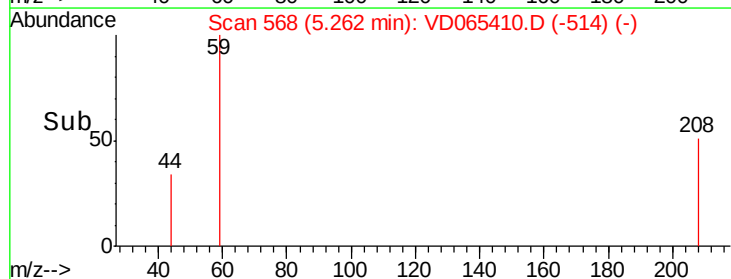
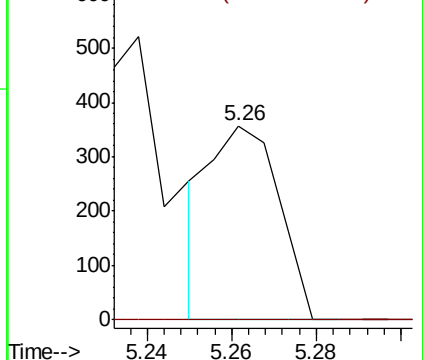
59 100

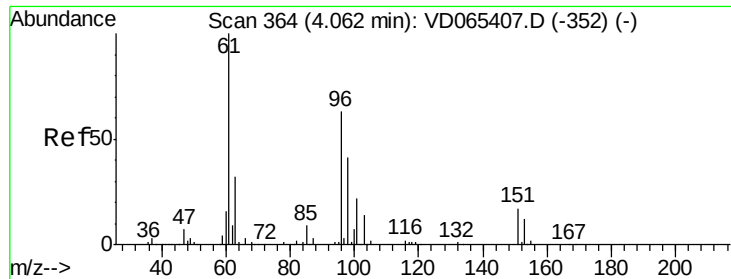
57 0.0 6.9 10.3#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

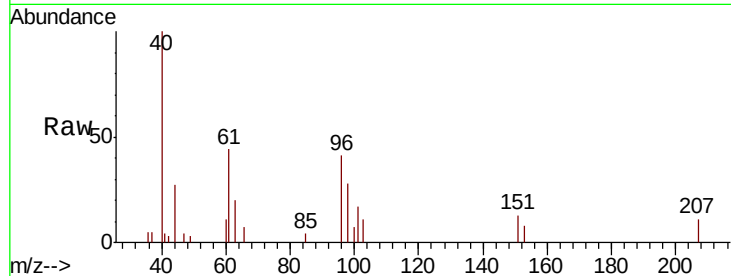




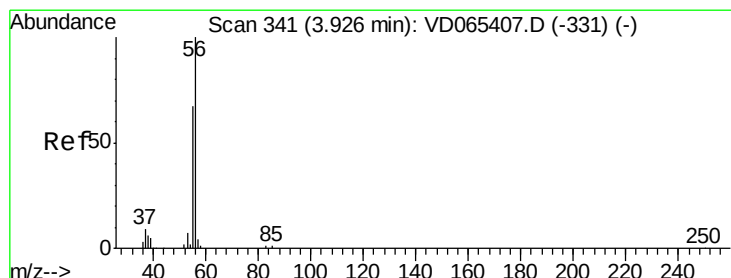
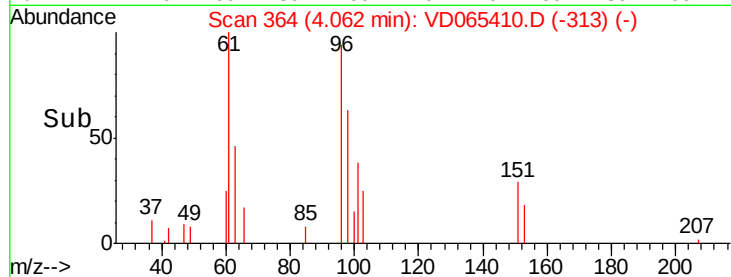
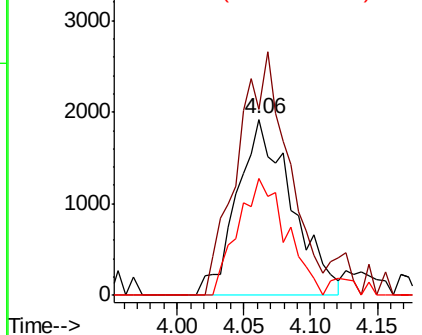
#12
 1,1-Dichloroethene
 Concen: 1.284 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD065410.D
 Acq: 04 Mar 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 5490
 Ion Ratio Lower Upper
 96 100
 61 105.9 128.0 192.0#
 98 66.6 51.9 77.9

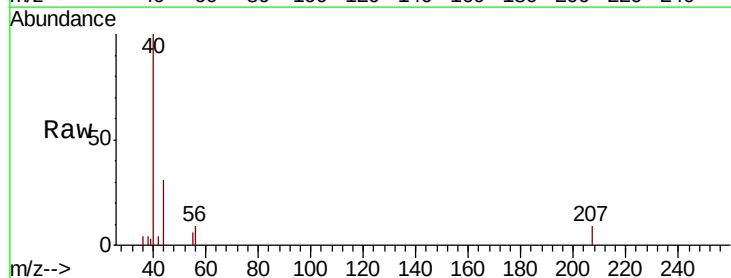


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC

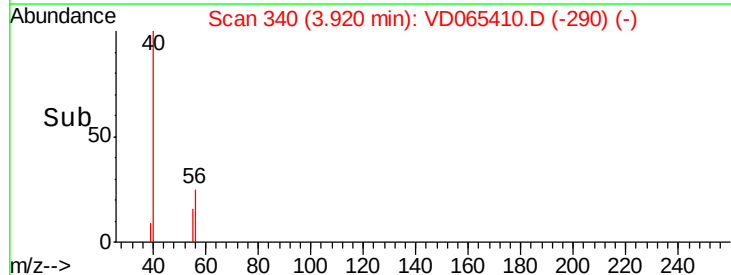
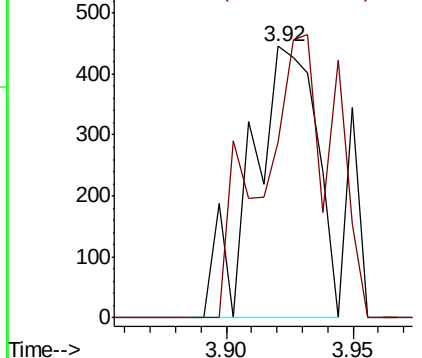


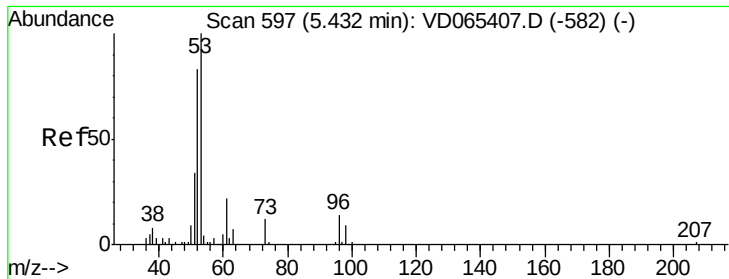
#13
 Acrolein
 Concen: 2.028 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VD065410.D
 Acq: 04 Mar 2020 13:47

Tgt Ion: 56 Resp: 791
 Ion Ratio Lower Upper
 56 100
 55 117.8 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC
 Ion 55.00 (54.70 to 55.70): VDC





#15

Acrylonitrile

Concen: 2.516 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065410.D

Acq: 04 Mar 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

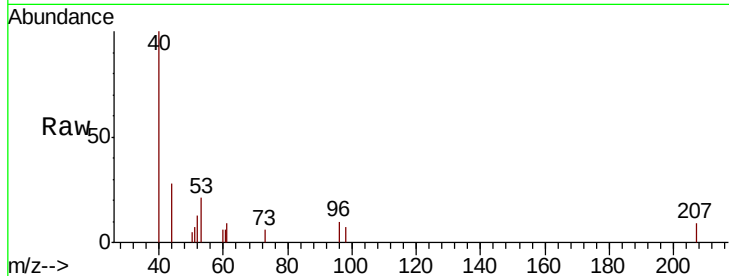
Tot Ion: 53 Resp: 2257

Ion Ratio Lower Upper

53 100

52 79.2 65.1 97.7

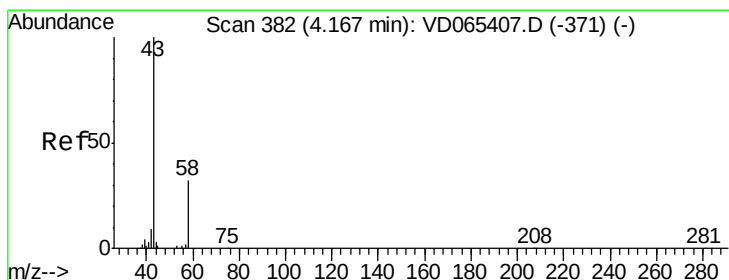
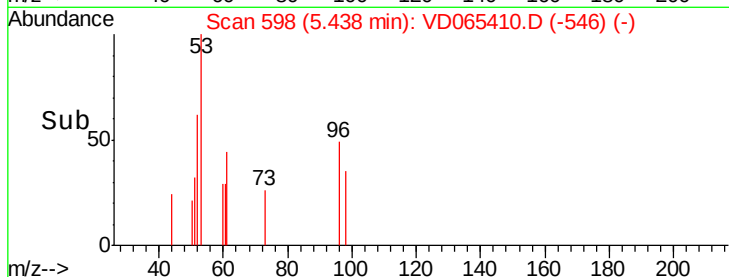
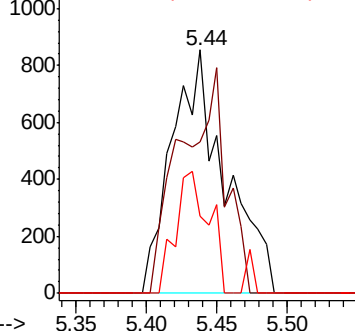
51 31.4 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 8.698 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065410.D

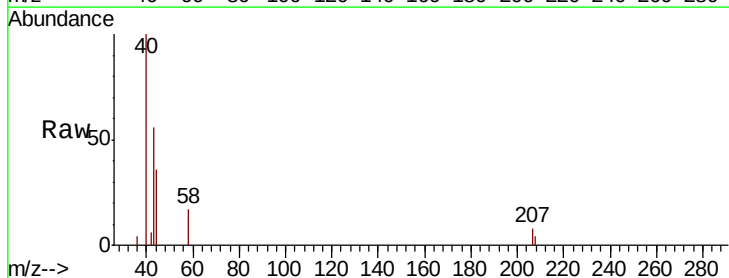
Acq: 04 Mar 2020 13:47

Tgt Ion: 43 Resp: 6937

Ion Ratio Lower Upper

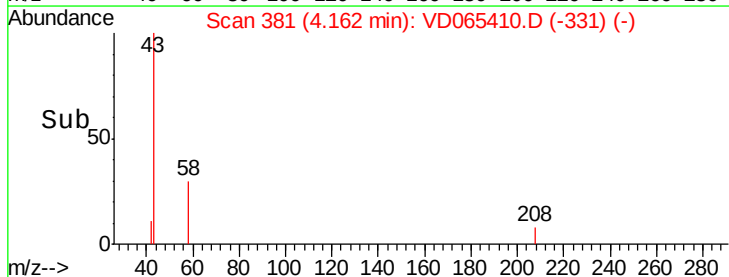
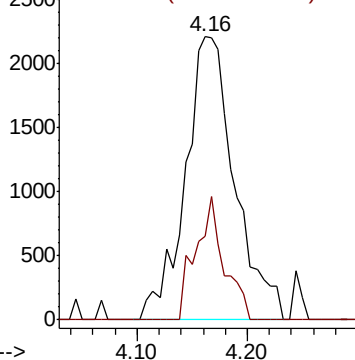
43 100

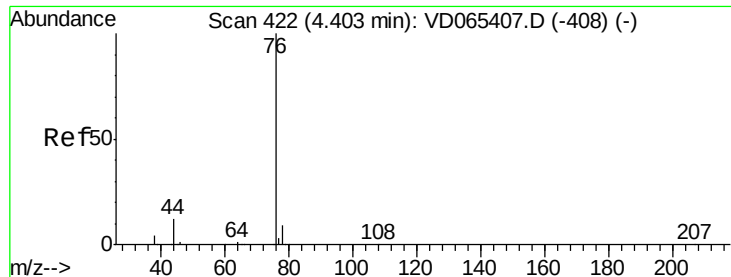
58 29.8 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

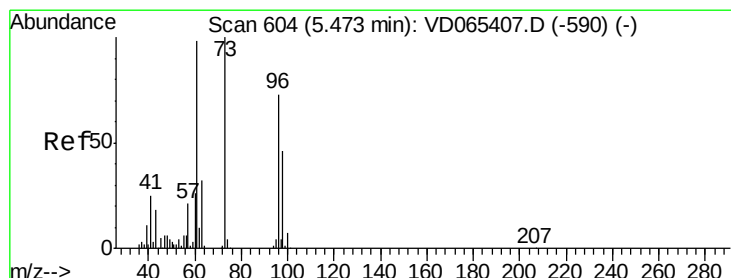
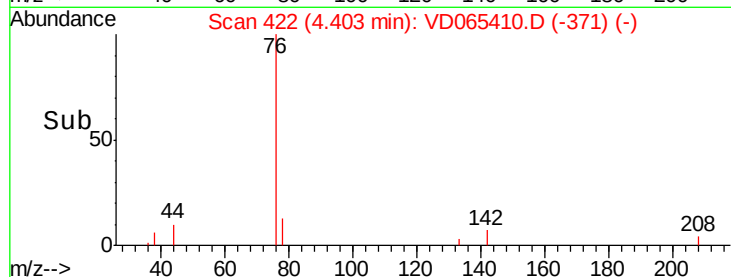
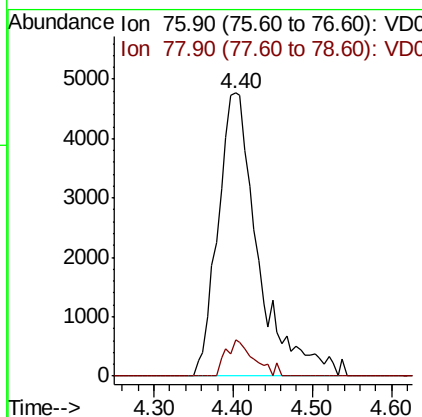
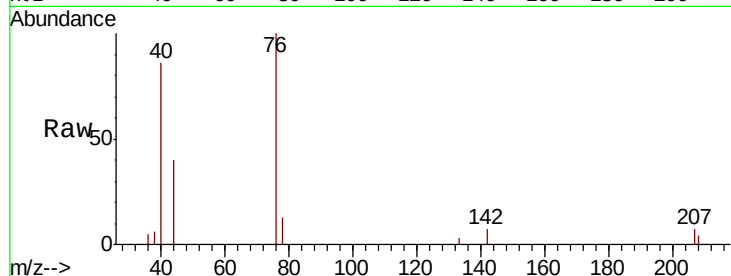




#17
Carbon Disulfide
Concen: 1.174 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065410.D
Acq: 04 Mar 2020 13:47

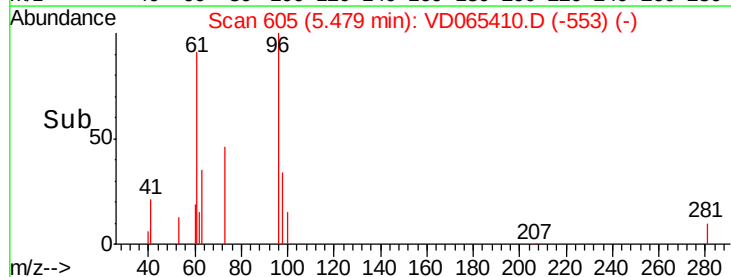
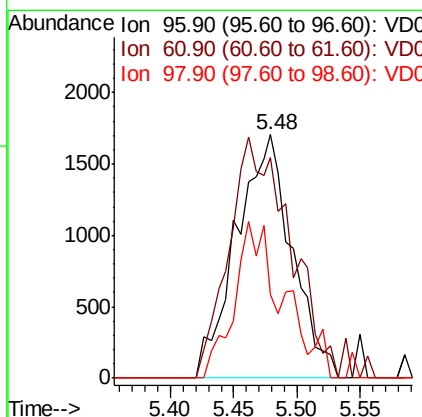
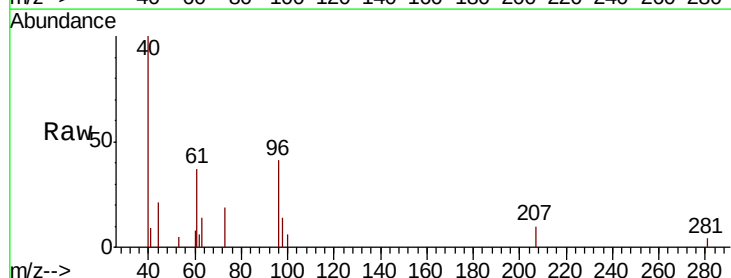
Instrument :
MSVOA_D
ClientSampleId :

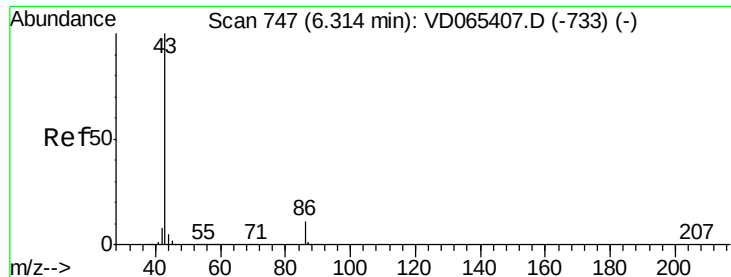
Tot Ion: 76 Resp: 16720
Ion Ratio Lower Upper
76 100
78 12.8 7.4 11.0#



#21
trans-1,2-Dichloroethene
Concen: 1.093 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD065410.D
Acq: 04 Mar 2020 13:47

Tgt Ion: 96 Resp: 5198
Ion Ratio Lower Upper
96 100
61 90.6 106.3 159.5#
98 34.5 50.2 75.4#





#23

Vinyl Acetate

Concen: 1.356 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065410.D

Acq: 04 Mar 2020 13:47

Instrument :

MSVOA_D

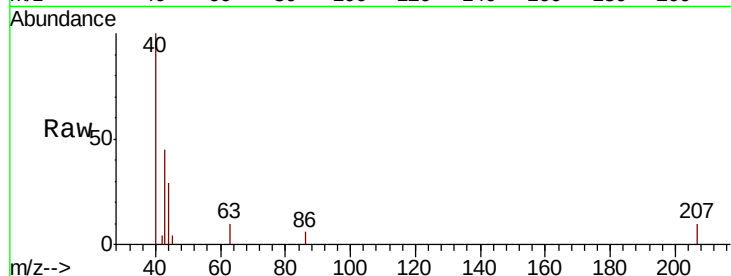
ClientSampleId :

Tot Ion: 43 Resp: 9191

Ion Ratio Lower Upper

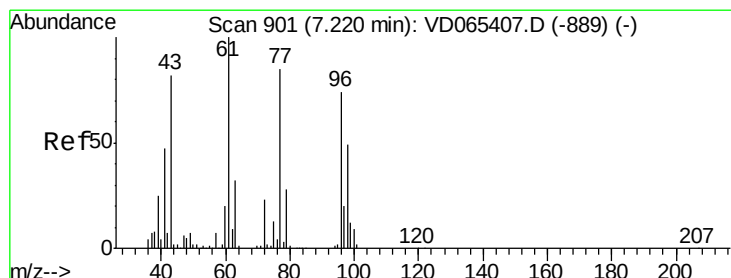
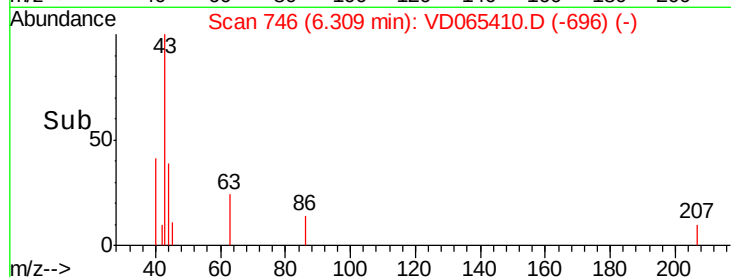
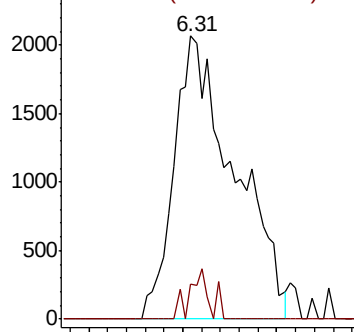
43 100

86 12.4 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#25

2-Butanone

Concen: 3.221 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065410.D

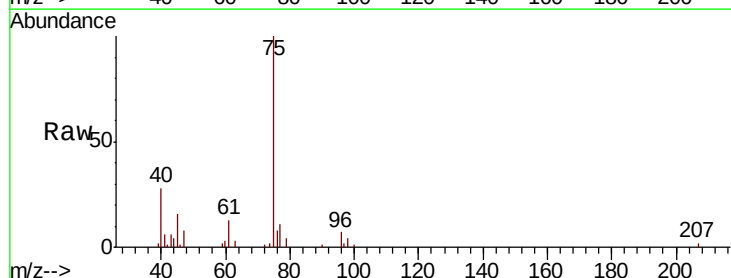
Acq: 04 Mar 2020 13:47

Tgt Ion: 43 Resp: 3505

Ion Ratio Lower Upper

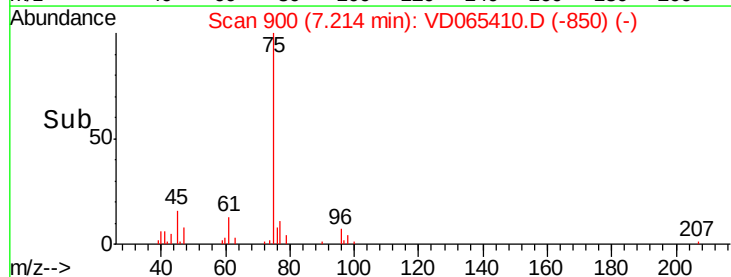
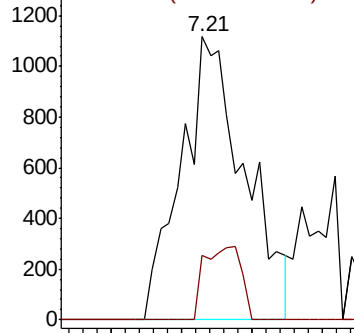
43 100

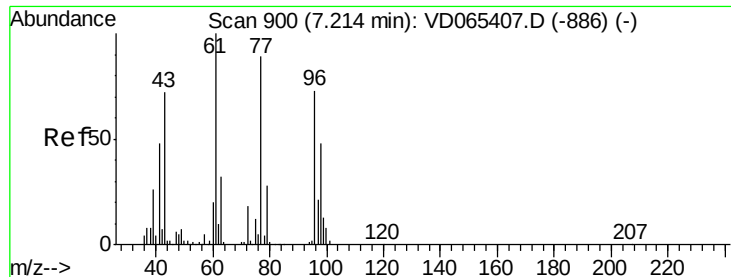
72 22.8 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#26

2,2-Dichloropropane

Concen: 1.003 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065410.D

Acq: 04 Mar 2020 13:47

Instrument :

MSVOA_D

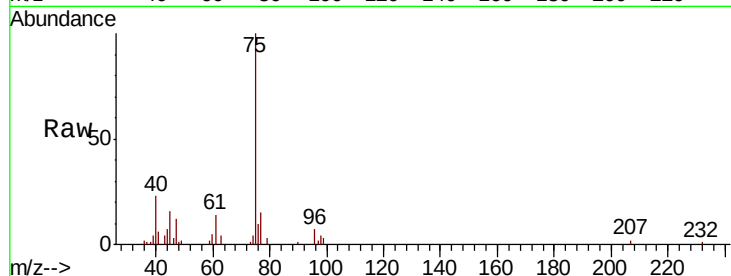
ClientSampled :

Tot Ion: 77 Resp: 6866

Ion Ratio Lower Upper

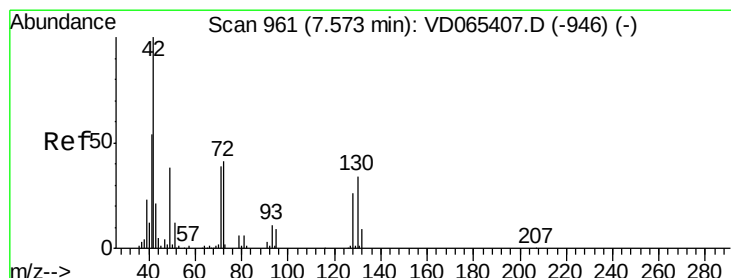
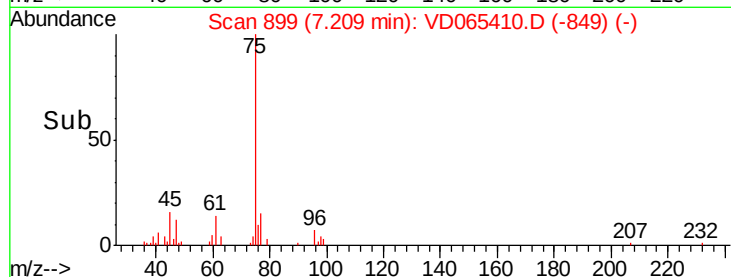
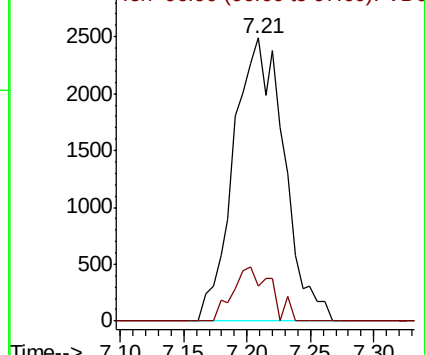
77 100

97 14.5 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



#29

Tetrahydrofuran

Concen: 1.535 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065410.D

Acq: 04 Mar 2020 13:47

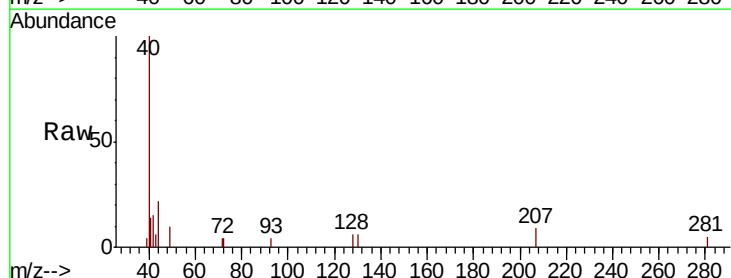
Tgt Ion: 42 Resp: 1067

Ion Ratio Lower Upper

42 100

72 36.9 33.0 49.6

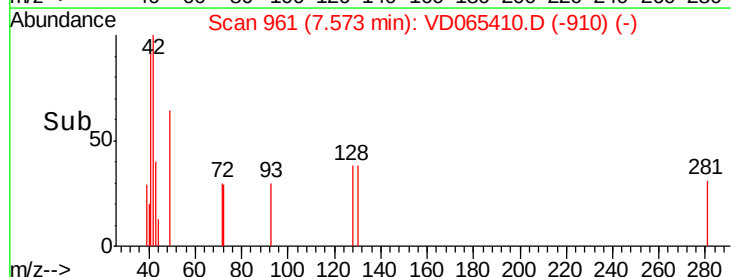
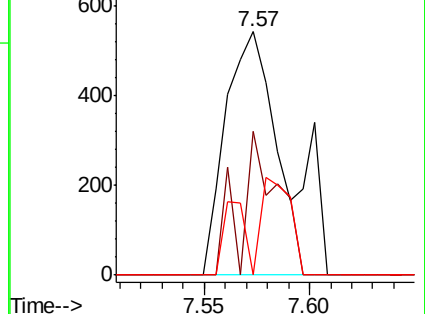
71 19.7 32.0 48.0#

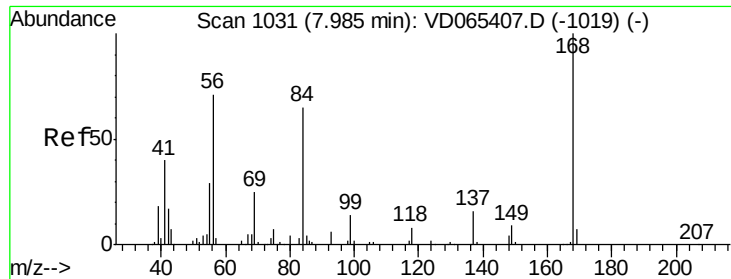


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

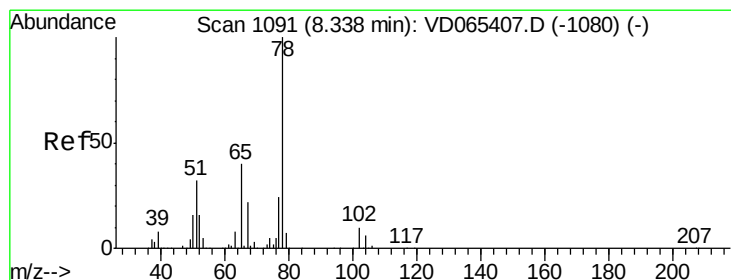
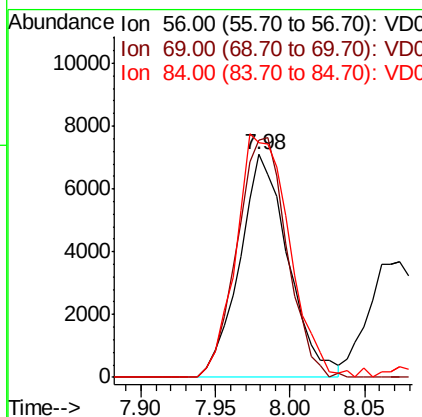
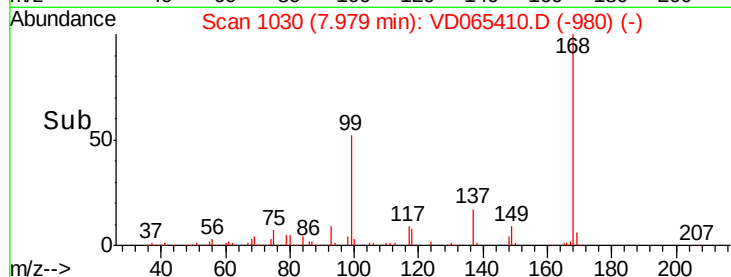
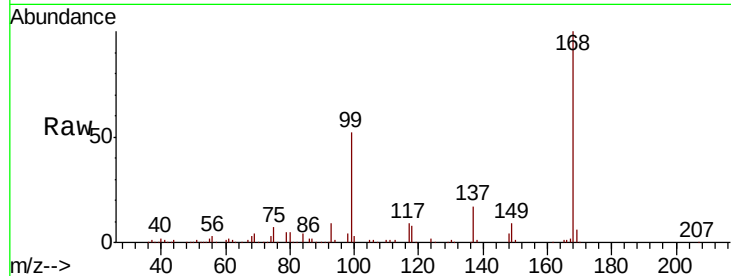




#31
Cyclohexane
Concen: 2.055 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065410.D
Acq: 04 Mar 2020 13:47

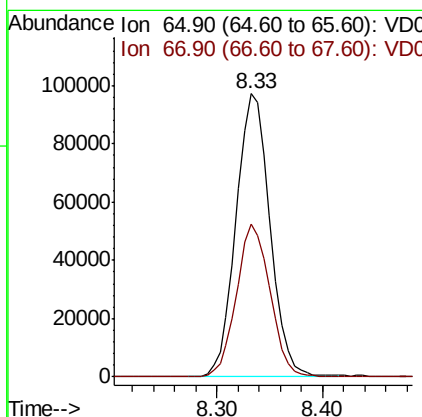
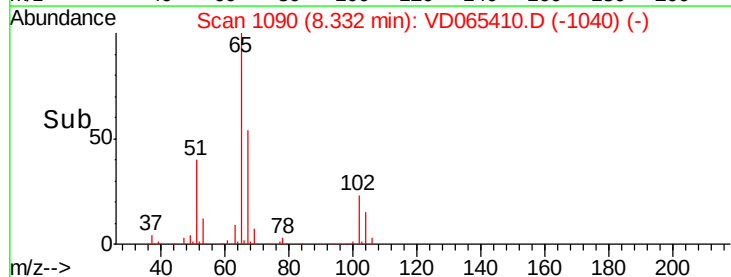
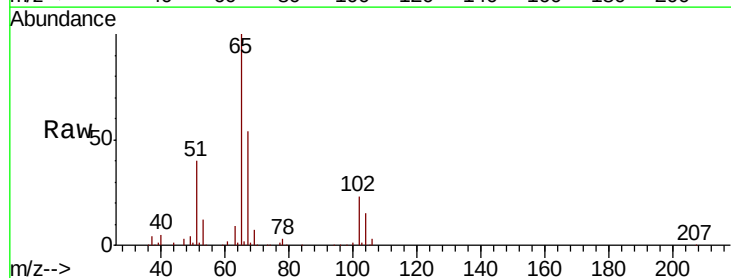
Instrument :
MSVOA_D
ClientSampleId :

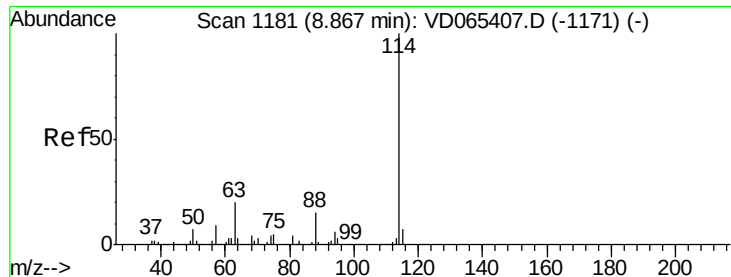
Tot Ion: 56 Resp: 16094
Ion Ratio Lower Upper
56 100
69 106.8 28.3 42.5#
84 105.4 73.1 109.7



#33
1,2-Dichloroethane-d4
Concen: 55.037 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065410.D
Acq: 04 Mar 2020 13:47

Tgt Ion: 65 Resp: 217034
Ion Ratio Lower Upper
65 100
67 53.6 0.0 108.0

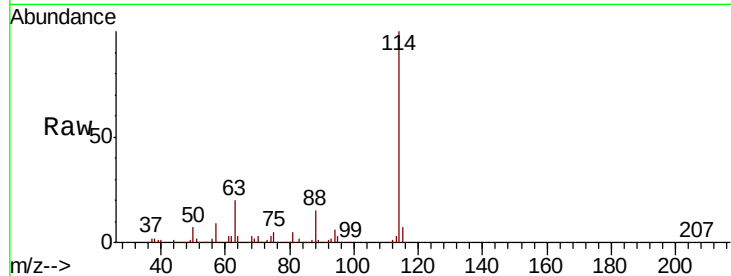




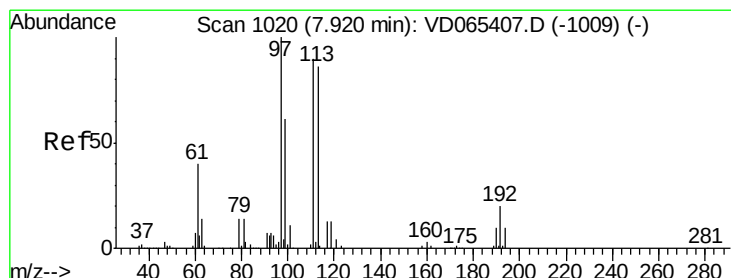
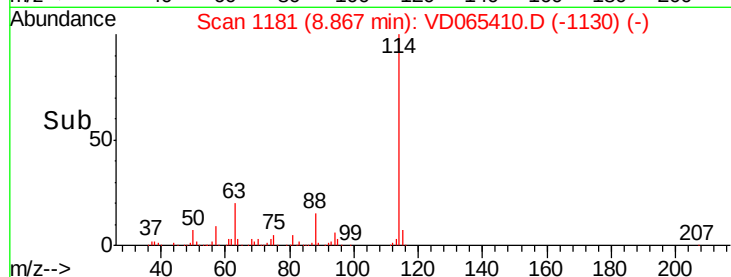
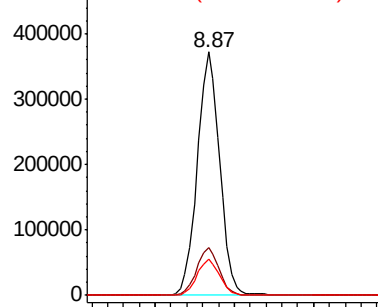
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065410.D
 Acq: 04 Mar 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.6
88	14.6	0.0	30.4

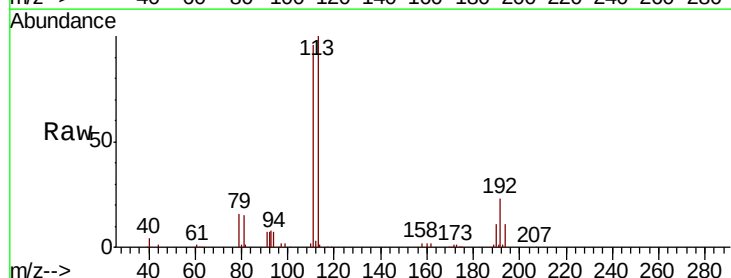


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

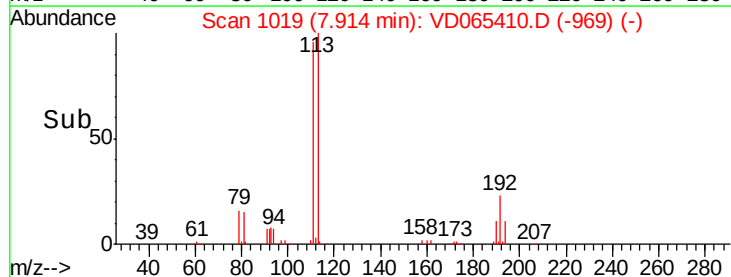
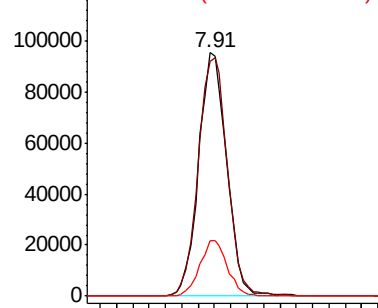


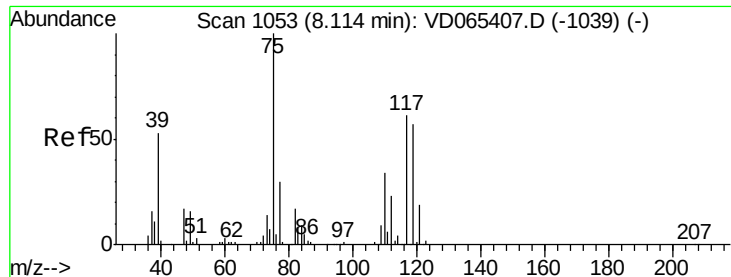
#35
 Dibromofluoromethane
 Concen: 50.907 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065410.D
 Acq: 04 Mar 2020 13:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.1	123.1
192	22.2	17.2	25.8



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

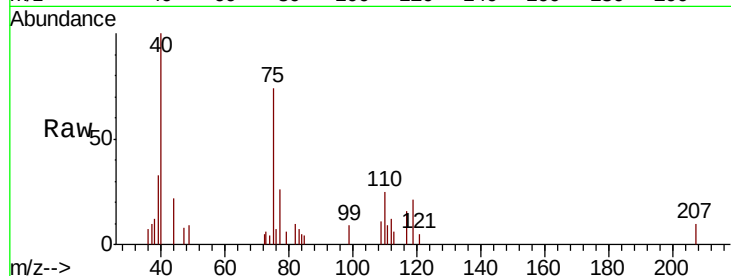




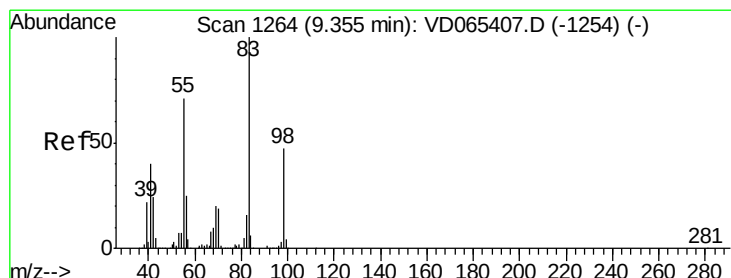
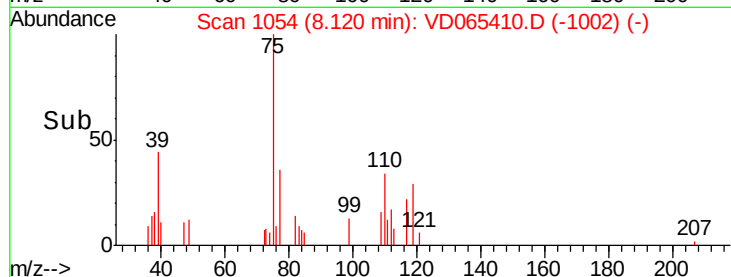
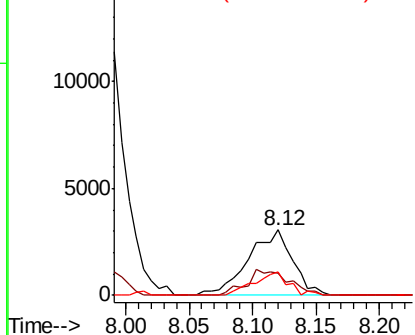
#36
 1,1-Dichloropropene
 Concen: 1.059 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD065410.D
 Acq: 04 Mar 2020 13:47

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.1	54.1
77	28.2	25.2	37.8

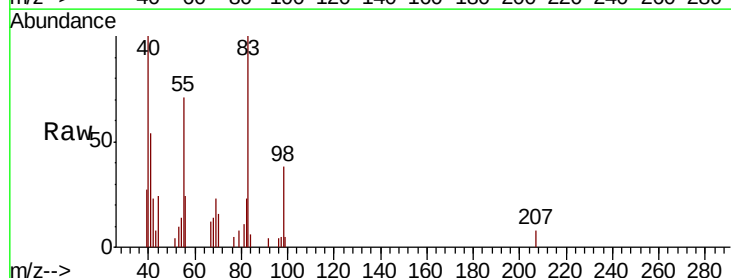


Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.90 (76.60 to 77.60): VDC

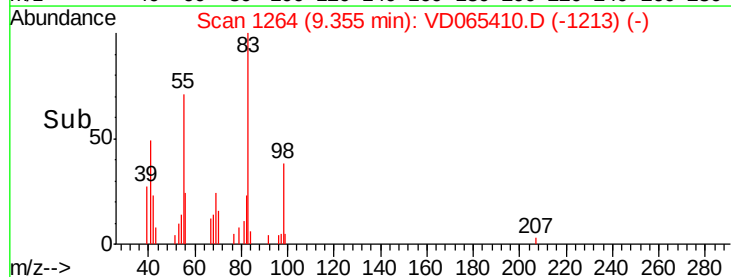
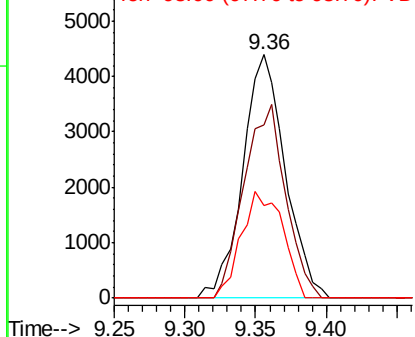


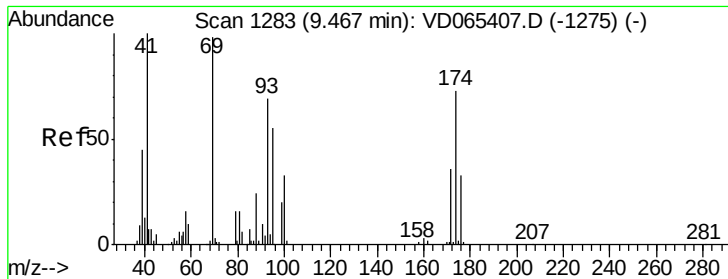
#39
 Methylcyclohexane
 Concen: 1.102 ug/l
 RT: 9.36 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VD065410.D
 Acq: 04 Mar 2020 13:47

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.3	57.1	85.7
98	38.0	37.8	56.8



Abundance Ion 83.00 (82.70 to 83.70): VDC
 Ion 55.00 (54.70 to 55.70): VDC
 Ion 98.00 (97.70 to 98.70): VDC





#49

1,4-Dioxane

Concen: 3.321 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

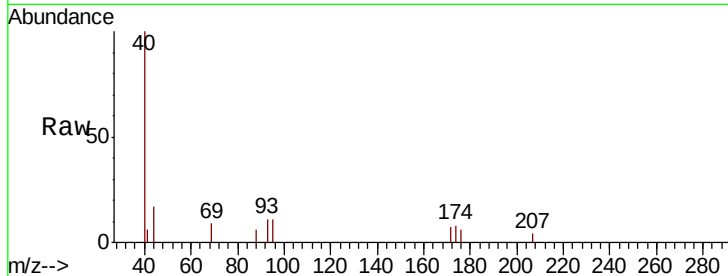
Lab File: VD065410.D

Acq: 04 Mar 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 93

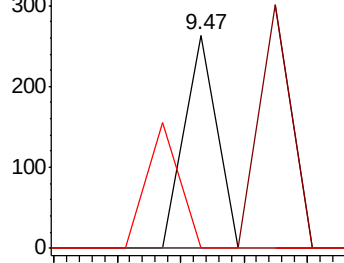
Ion	Ratio	Lower	Upper
88	100		
43	114.0	24.5	36.7#
58	59.1	54.5	81.7



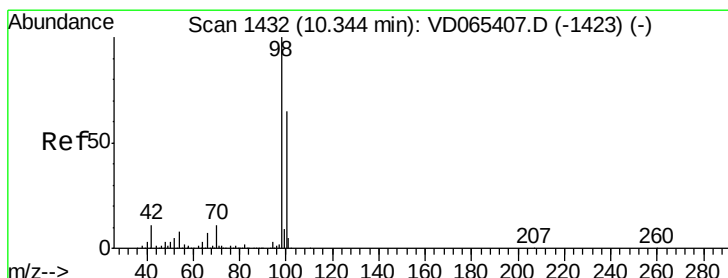
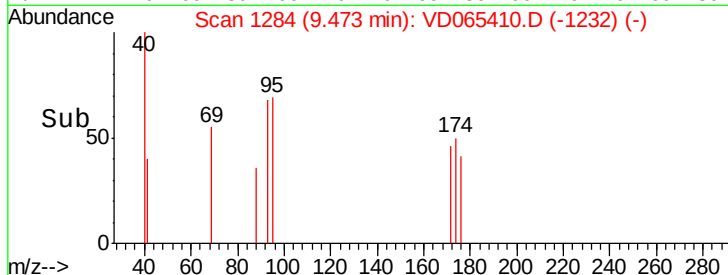
Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time--> 9.45 9.46 9.47 9.48 9.49



#50

Toluene-d8

Concen: 47.694 ug/l

RT: 10.34 min Scan# 1432

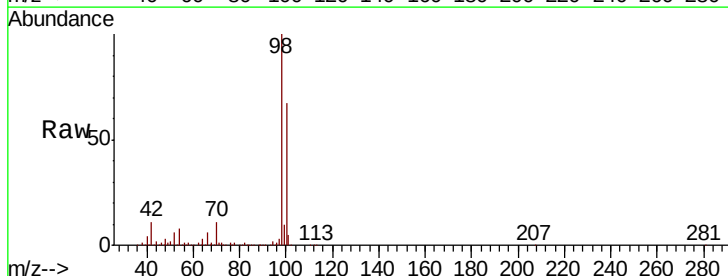
Delta R.T. 0.00 min

Lab File: VD065410.D

Acq: 04 Mar 2020 13:47

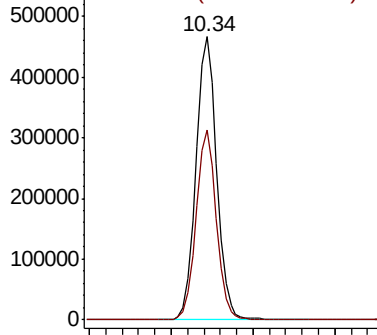
Tgt Ion: 98 Resp: 822560

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.8	79.2

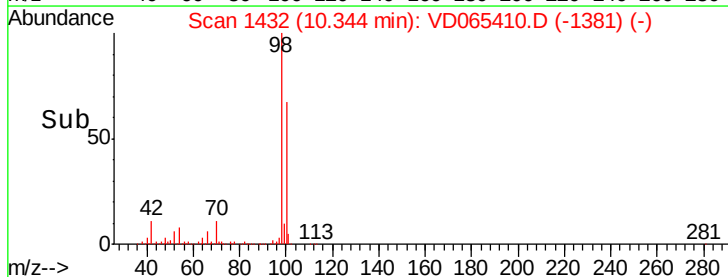


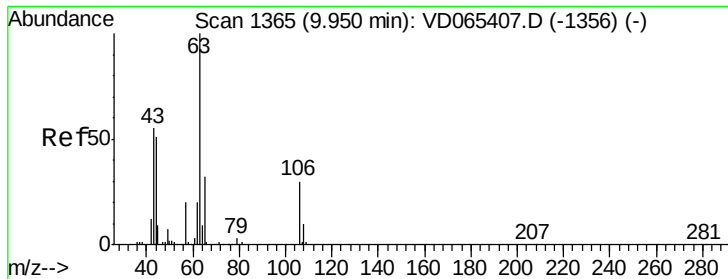
Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



Time--> 10.20 10.30 10.40 10.50

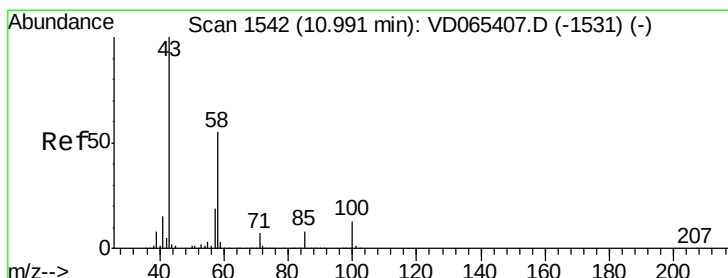
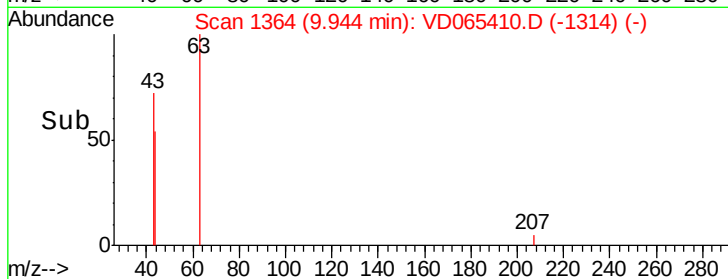
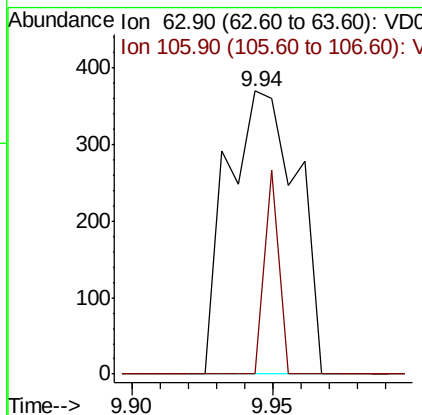
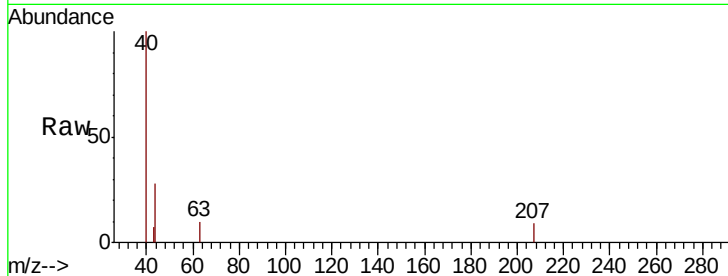




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.695 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065410.D
 Acq: 04 Mar 2020 13:47

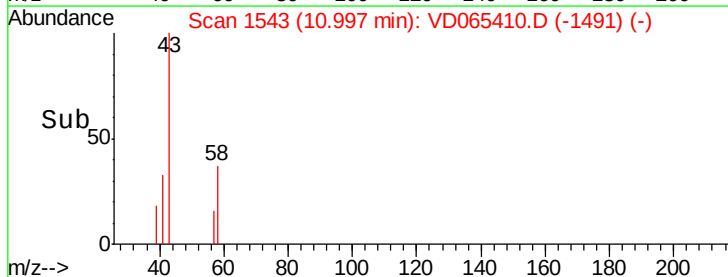
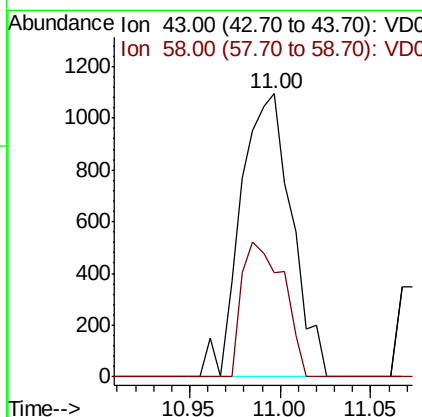
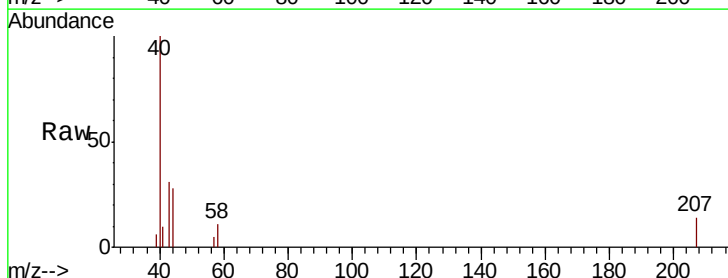
Instrument :
 MSVOA_D
 ClientSampleId :

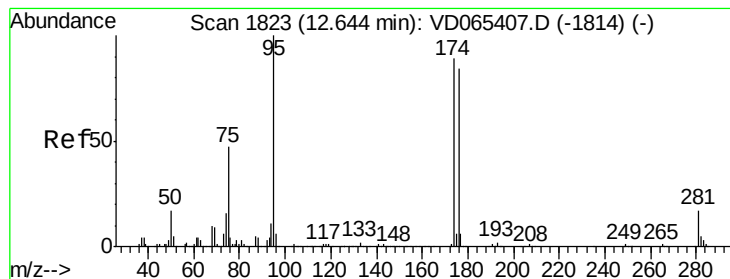
Tot Ion: 63 Resp: 633
 Ion Ratio Lower Upper
 63 100
 106 14.8 23.3 34.9#



#59
 2-Hexanone
 Concen: 1.237 ug/l
 RT: 11.00 min Scan# 1543
 Delta R.T. 0.01 min
 Lab File: VD065410.D
 Acq: 04 Mar 2020 13:47

Tgt Ion: 43 Resp: 2143
 Ion Ratio Lower Upper
 43 100
 58 39.1 27.4 82.2





#62

4-Bromofluorobenzene

Concen: 47.937 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VD065410.D

Acq: 04 Mar 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

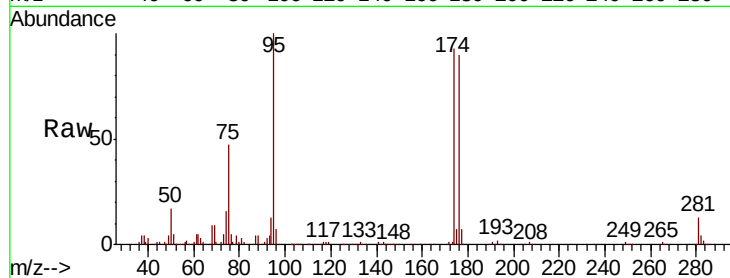
Tot Ion: 95 Resp: 255225

Ion Ratio Lower Upper

95 100

174 90.1 0.0 176.8

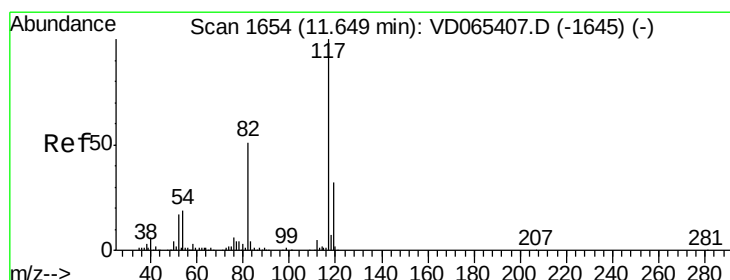
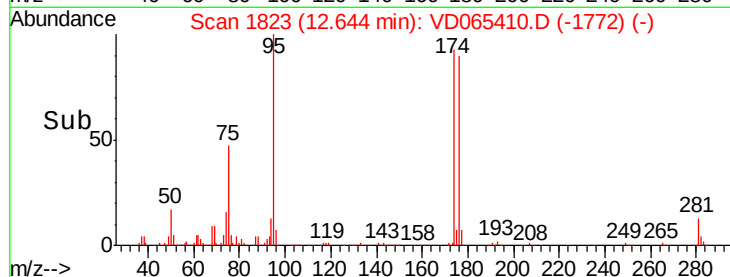
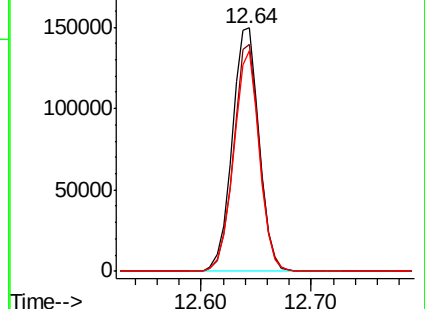
176 86.2 0.0 171.4



Abundance Ion 94.90 (94.60 to 95.60): V

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: VD065410.D

Acq: 04 Mar 2020 13:47

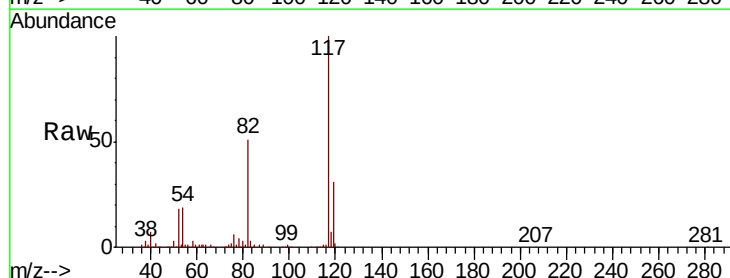
Tgt Ion: 117 Resp: 659794

Ion Ratio Lower Upper

117 100

82 51.3 40.6 60.8

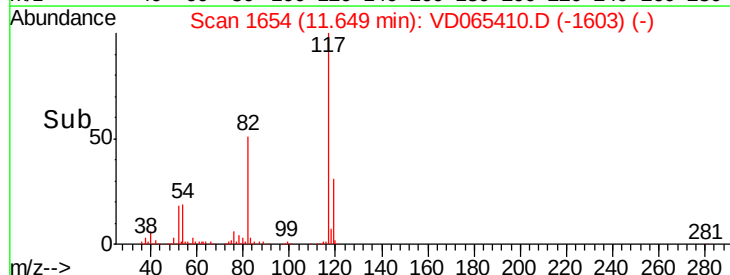
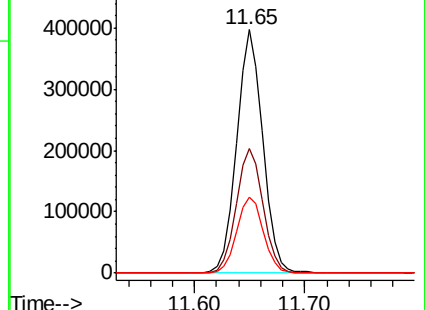
119 31.3 25.4 38.2

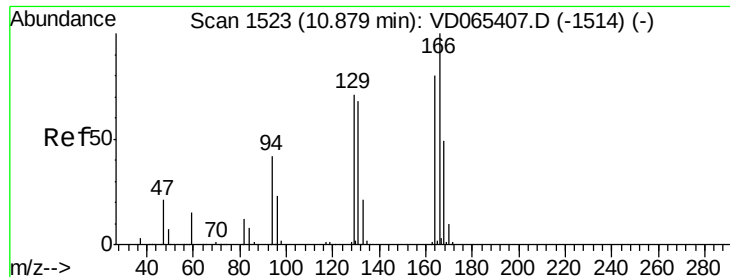


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 1.051 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. 0.00 min

Lab File: VD065410.D

Acq: 04 Mar 2020 13:47

Instrument :

MSVOA_D

ClientSampled :

Tot Ion:164 Resp: 4970

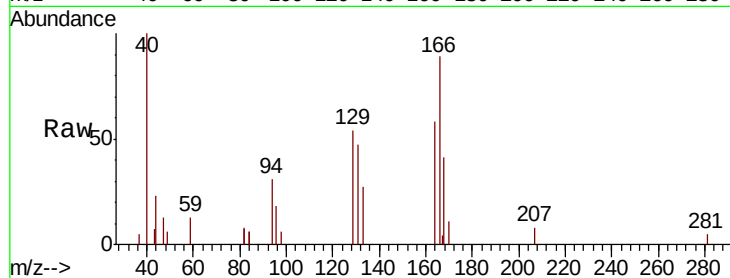
Ion Ratio Lower Upper

164 100

166 152.9 100.5 150.7#

129 92.6 71.5 107.3

131 80.8 68.5 102.7

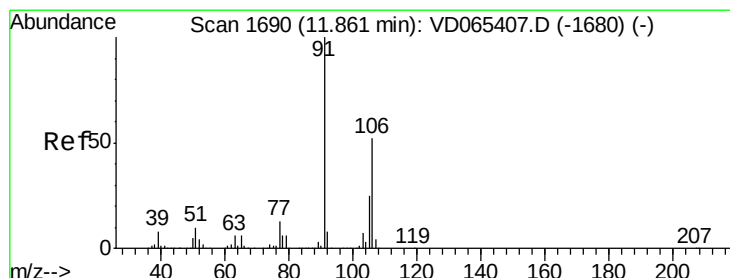
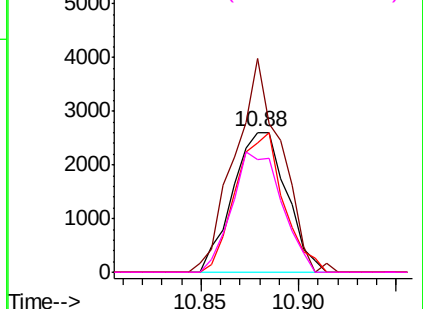
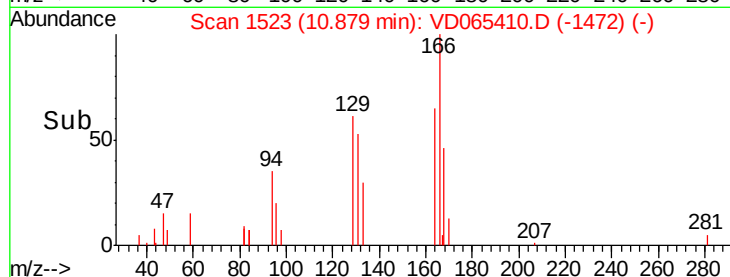


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#68

m/p-Xylenes

Concen: 1.256 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065410.D

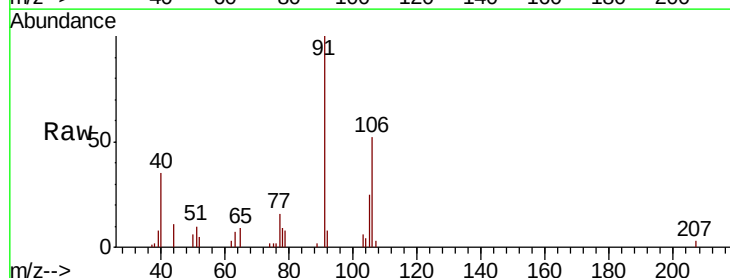
Acq: 04 Mar 2020 13:47

Tgt Ion:106 Resp: 10923

Ion Ratio Lower Upper

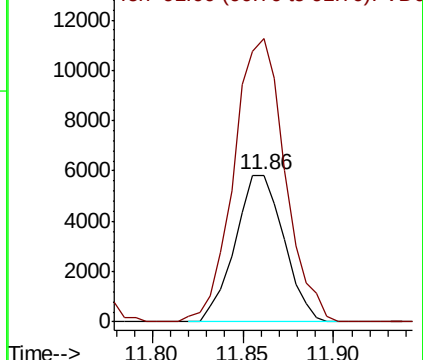
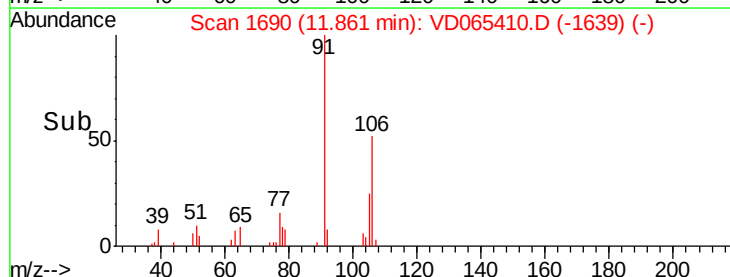
106 100

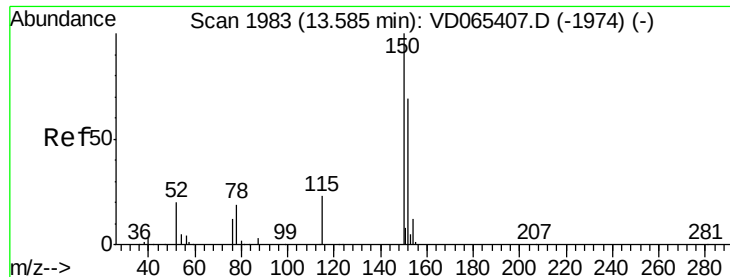
91 202.6 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065410.D

Acq: 04 Mar 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

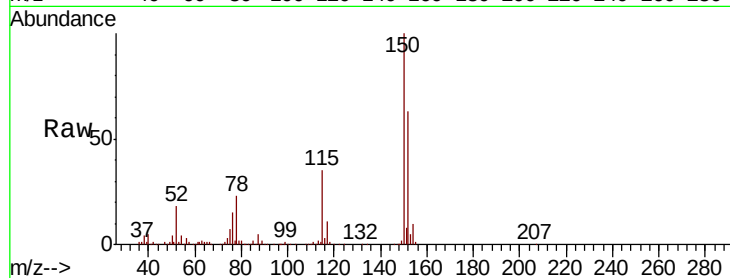
Tot Ion:152 Resp: 303785

Ion Ratio Lower Upper

152 100

115 56.0 27.6 82.8

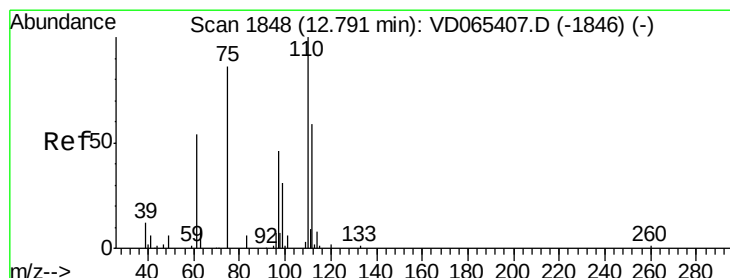
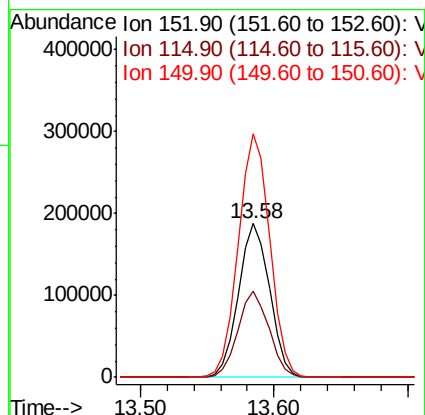
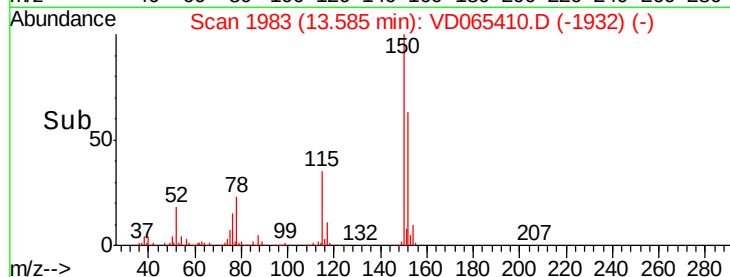
150 159.3 0.0 345.0



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: 52.170 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065410.D

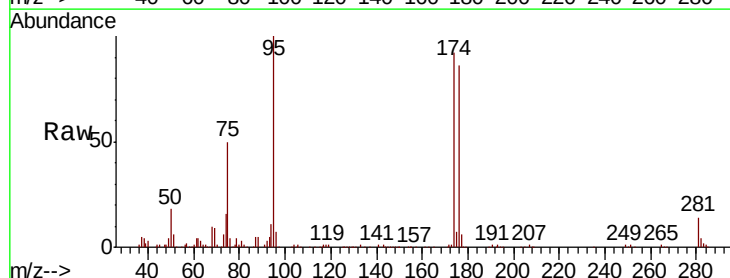
Acq: 04 Mar 2020 13:47

Tgt Ion: 75 Resp: 125058

Ion Ratio Lower Upper

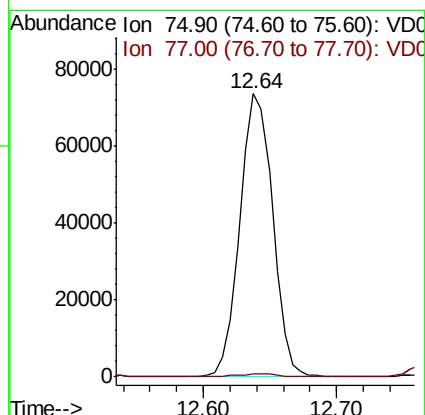
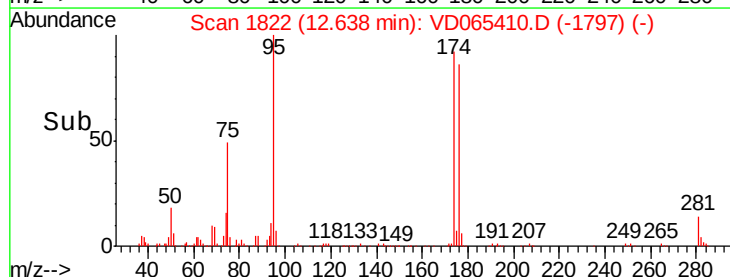
75 100

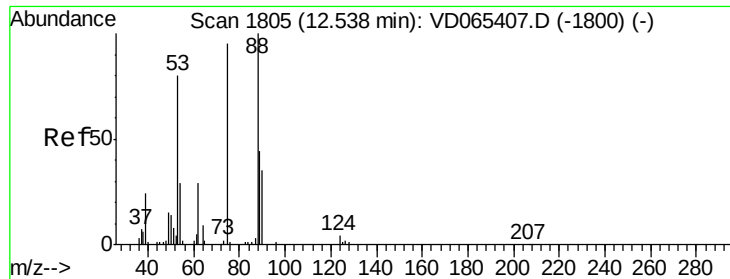
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 110.095 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065410.D

Acq: 04 Mar 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

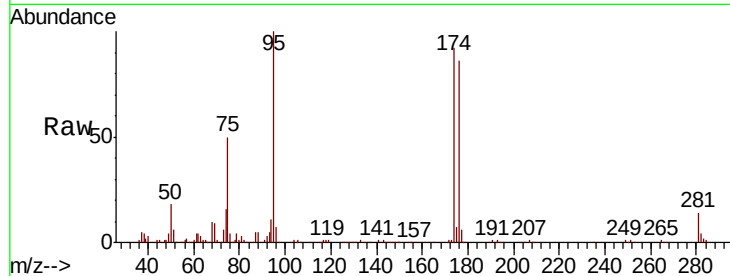
Tot Ion: 75 Resp: 125058

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

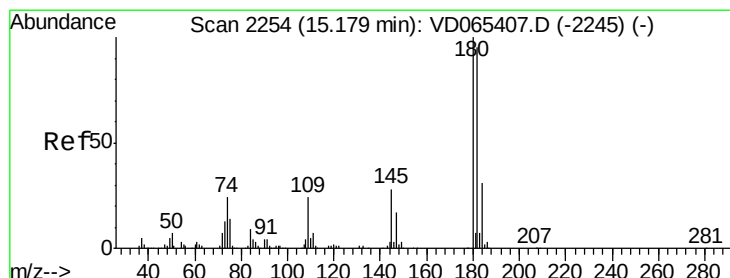
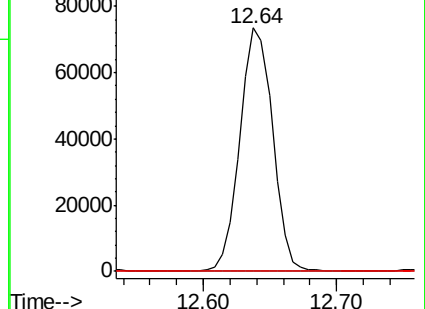
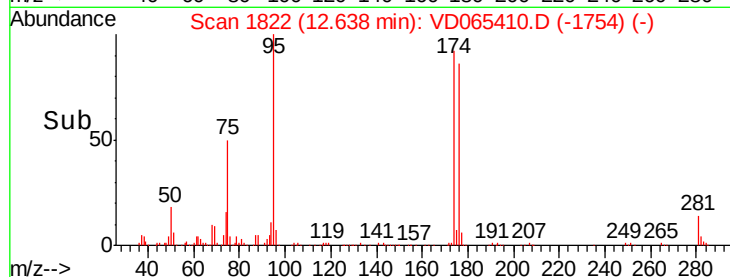
89 0.1 37.0 55.6#



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



#93

1,2,4-Trichlorobenzene

Concen: 1.128 ug/l

RT: 15.17 min Scan# 2253

Delta R.T. -0.01 min

Lab File: VD065410.D

Acq: 04 Mar 2020 13:47

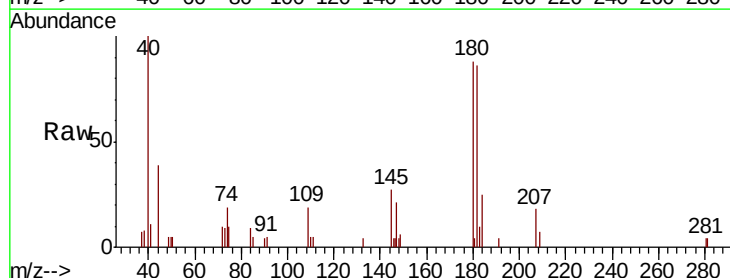
Tgt Ion:180 Resp: 6210

Ion Ratio Lower Upper

180 100

182 95.0 48.3 144.9

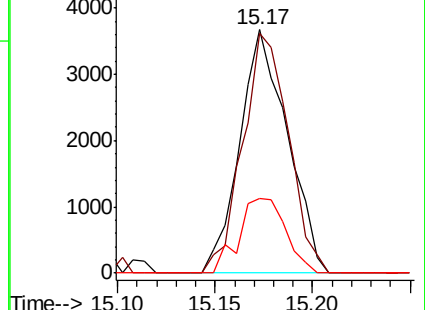
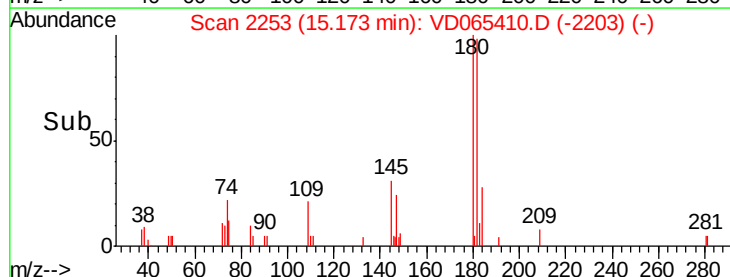
145 30.1 14.4 43.4

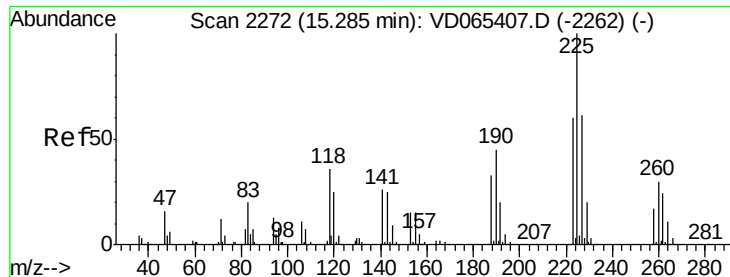


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 1.278 ug/l

RT: 15.28 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VD065410.D

Acq: 04 Mar 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

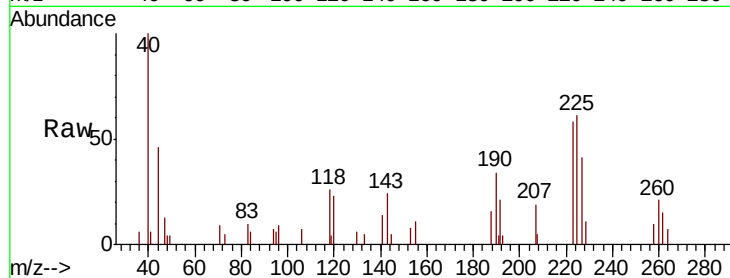
Tot Ion:225 Resp: 4622

Ion Ratio Lower Upper

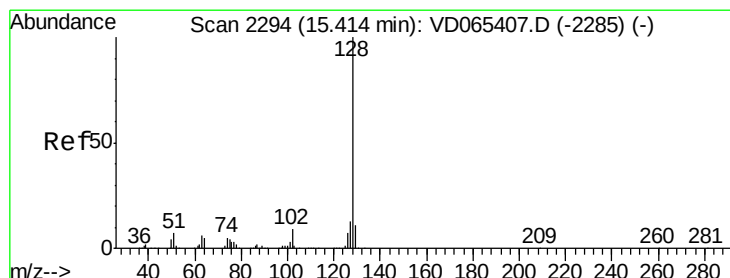
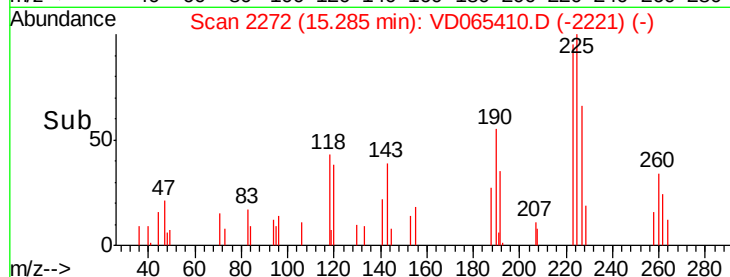
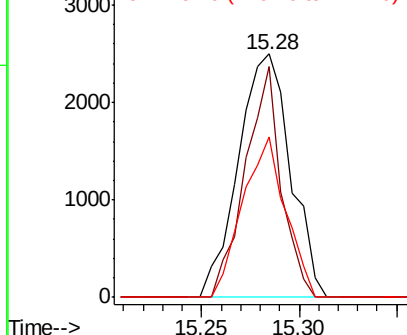
225 100

223 65.4 30.9 92.5

227 54.2 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 5.392 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VD065410.D

Acq: 04 Mar 2020 13:47

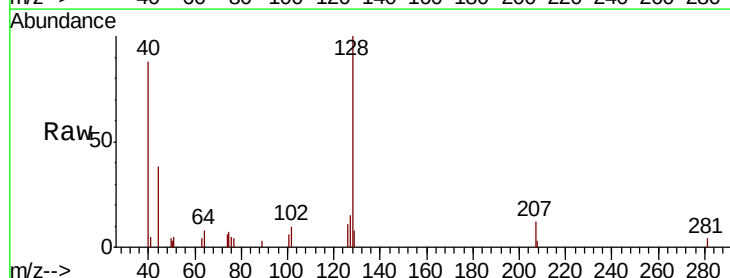
Tgt Ion:128 Resp: 10602

Ion Ratio Lower Upper

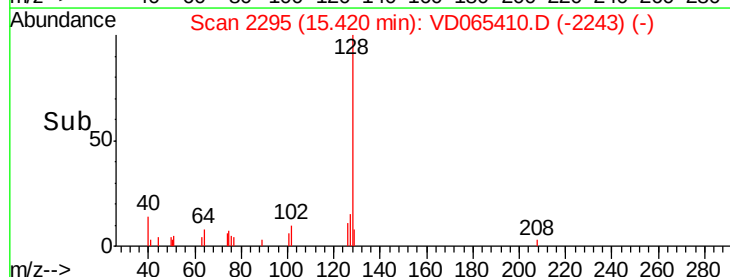
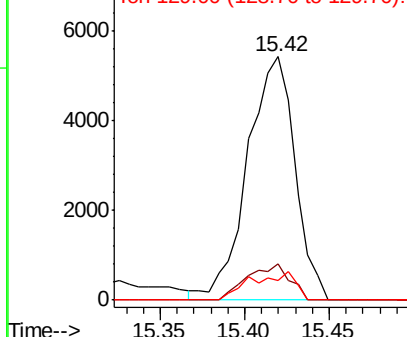
128 100

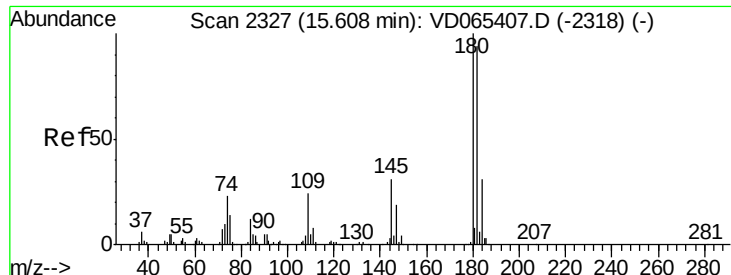
127 13.2 10.6 16.0

129 10.7 8.7 13.1



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





#96
 1,2,3-Trichlorobenzene
 Concen: 1.299 ug/l
 RT: 15.61 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VD065410.D
 Acq: 04 Mar 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	46.9	140.6
145	32.4	15.0	45.1

