

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066341.D
 Acq On : 20 Aug 2020 03:40
 Operator : VA/SY
 Sample : L3689-10
 Misc : 6.48G/5.00ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 20 10:09:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

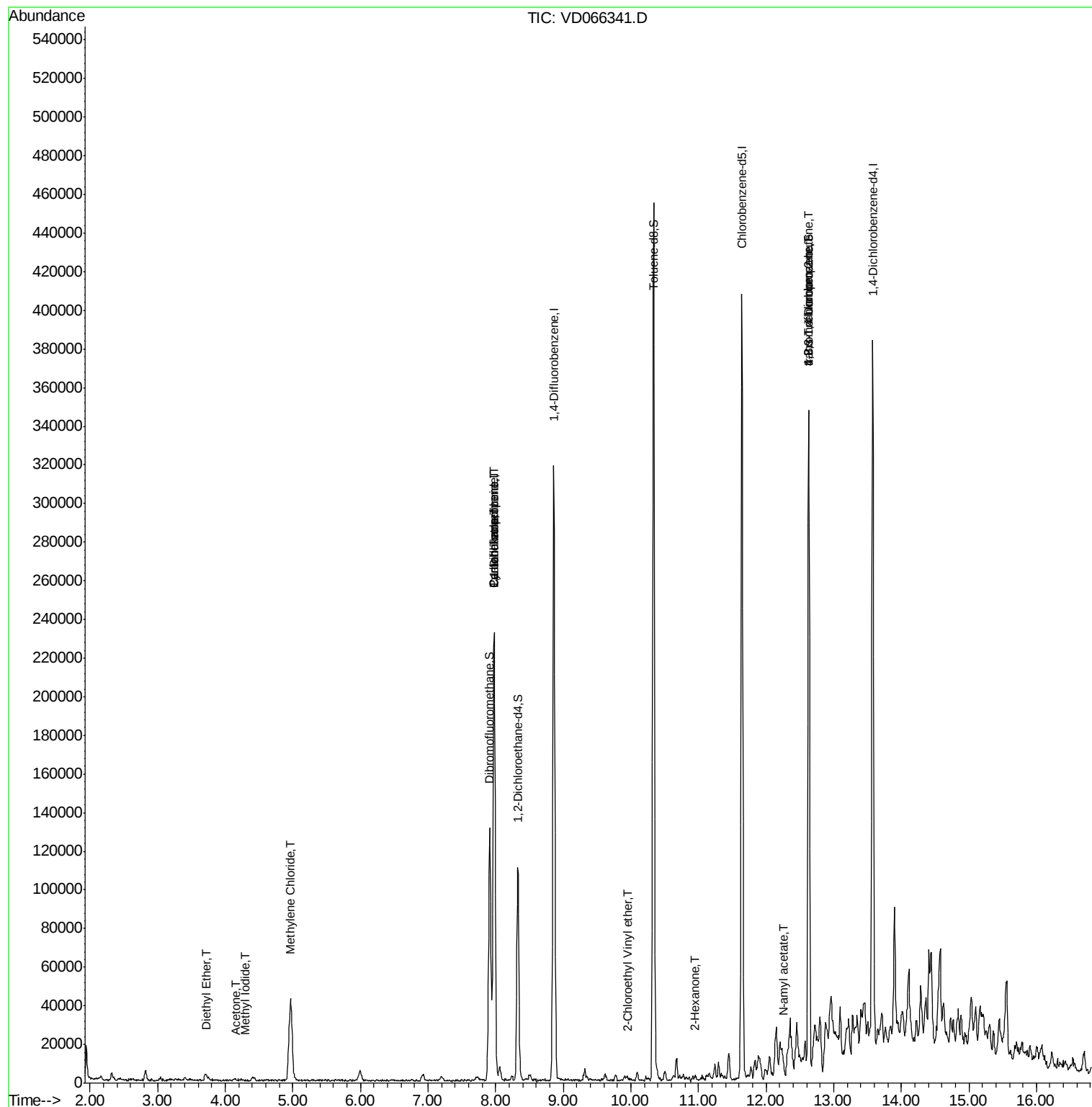
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	178408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	277410	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	235250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	104240	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	91946	57.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.54%	
35) Dibromofluoromethane	7.91	113	88940	50.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.22%	
50) Toluene-d8	10.34	98	304079	46.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.78%	
62) 4-Bromofluorobenzene	12.63	95	99432	42.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.08%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.71	74	1657	2.081	ug/l	96
10) Methyl Iodide	4.30	142	64	6.748	ug/l #	39
11) Tert butyl alcohol	5.24	59	59	Below Cal	#	76
16) Acetone	4.17	43	478	1.583	ug/l #	44
20) Methylene Chloride	4.97	84	32637	15.609	ug/l	92
31) Cyclohexane	7.98	56	4004	1.436	ug/l #	15
36) 1,1-Dichloropropene	7.98	75	13146	5.043	ug/l #	49
38) Carbon Tetrachloride	7.98	117	17480	6.013	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.94	63	777	1.025	ug/l #	43
59) 2-Hexanone	10.94	43	795	1.084	ug/l #	24
74) N-amyl acetate	12.26	43	2189	1.429	ug/l #	56
76) 1,2,3-Trichloropropane	12.63	75	51818	59.610	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	51818	131.771	ug/l #	13

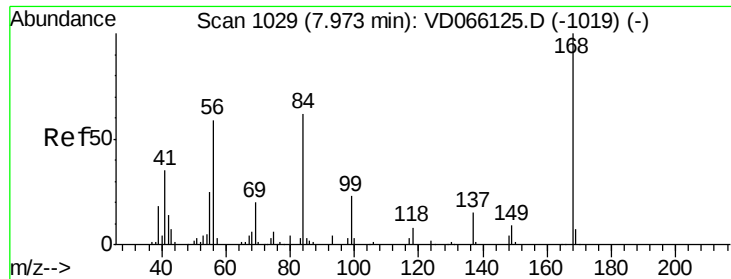
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066341.D

Acq: 20 Aug 2020 03:40

Instrument :

MSVOA_D

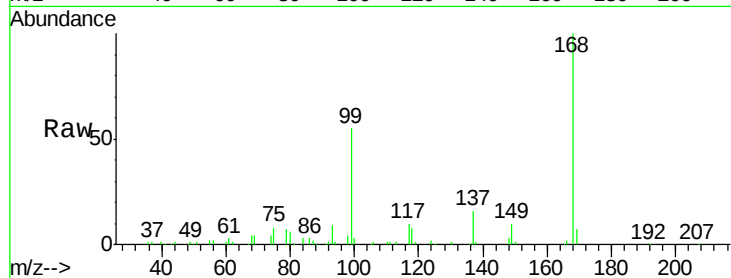
ClientSampleId :

Tot Ion:168 Resp: 178408

Ion Ratio Lower Upper

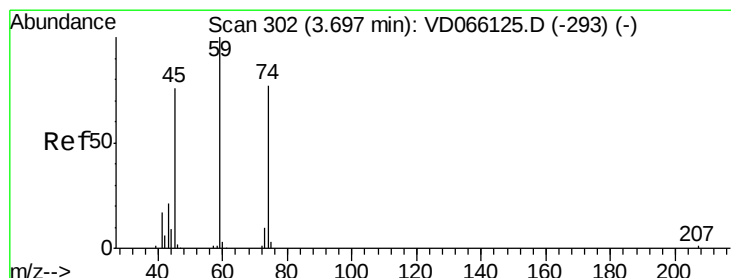
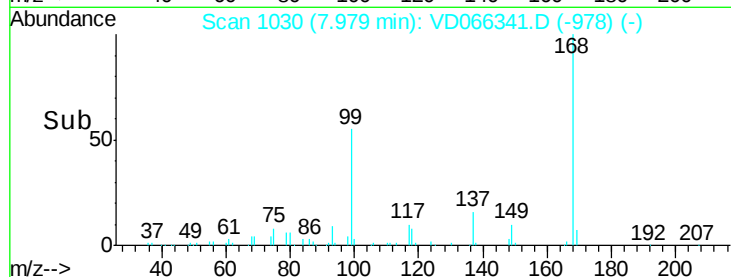
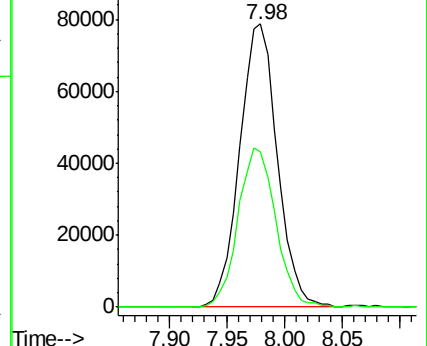
168 100

99 54.7 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 2.081 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.02 min

Lab File: VD066341.D

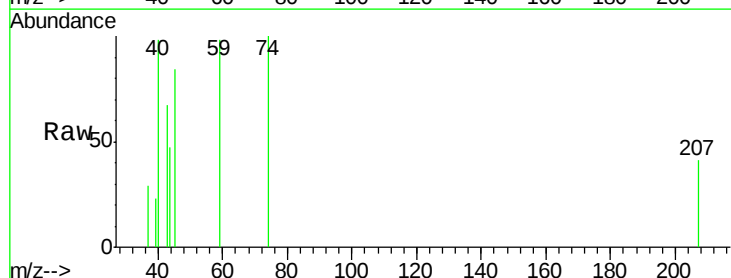
Acq: 20 Aug 2020 03:40

Tgt Ion: 74 Resp: 1657

Ion Ratio Lower Upper

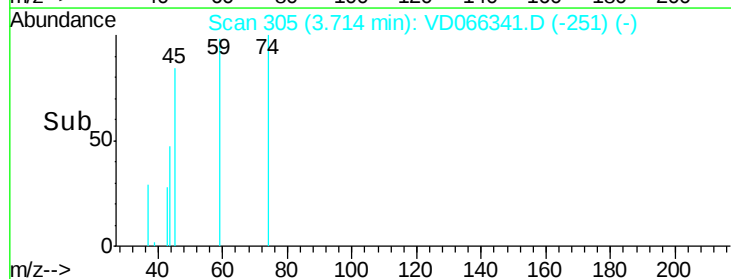
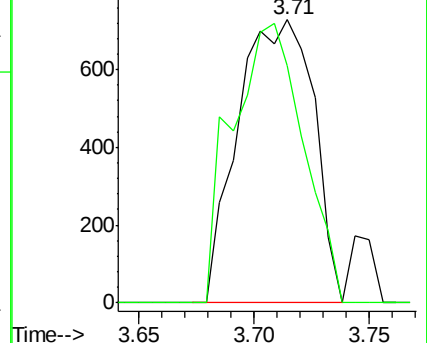
74 100

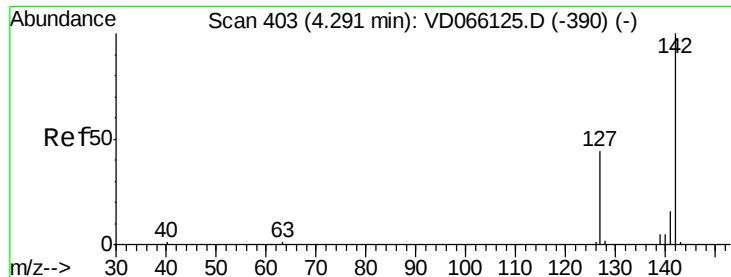
45 93.2 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

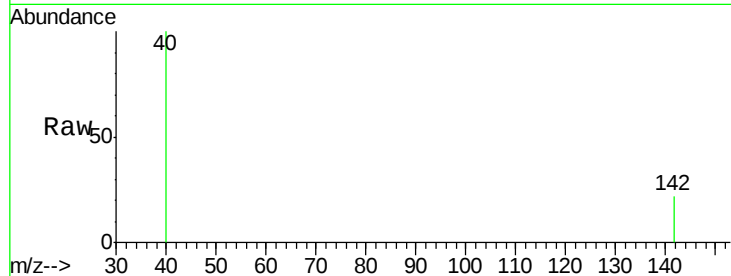




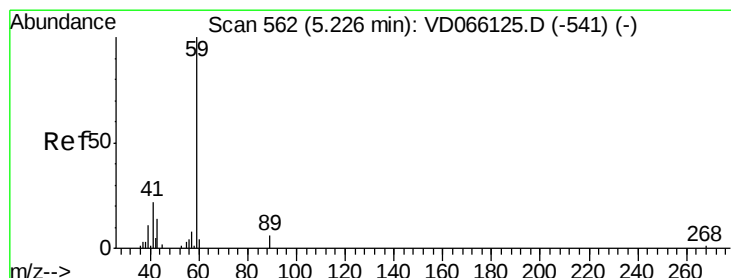
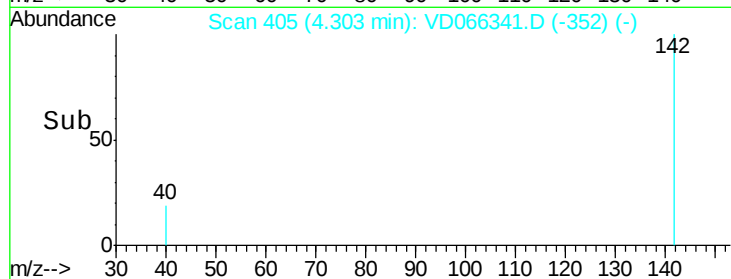
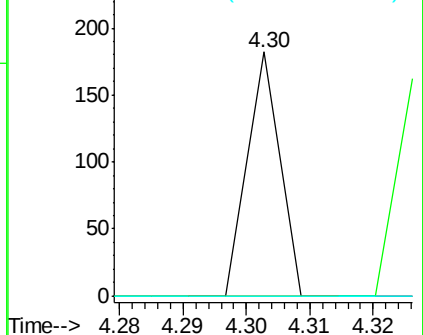
#10
Methyl Iodide
Concen: 6.748 ug/l
RT: 4.30 min Scan# 405
Delta R.T. 0.01 min
Lab File: VD066341.D
Acq: 20 Aug 2020 03:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 64
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.4#
141 0.0 12.6 18.8#

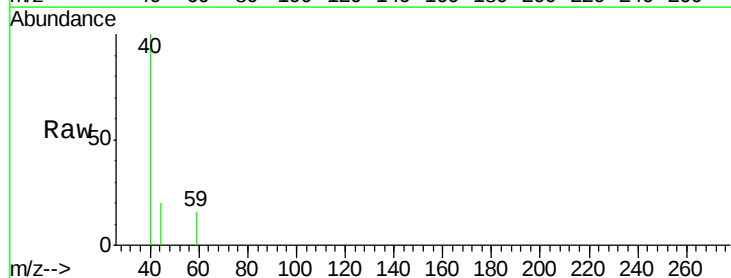


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

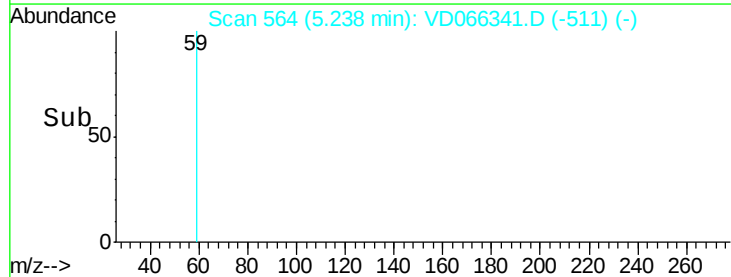
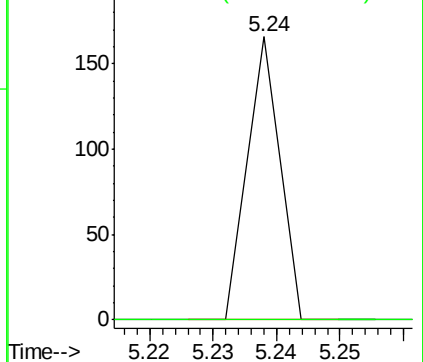


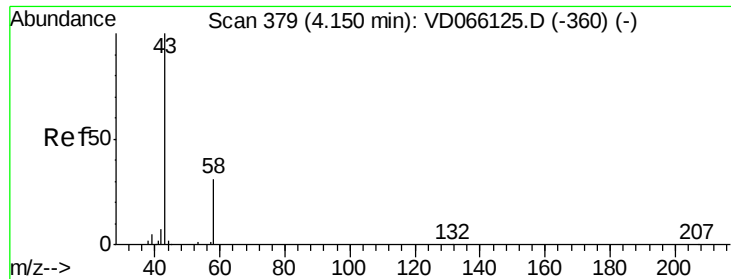
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.24 min Scan# 564
Delta R.T. 0.01 min
Lab File: VD066341.D
Acq: 20 Aug 2020 03:40

Tgt Ion: 59 Resp: 59
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.583 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD066341.D

Acq: 20 Aug 2020 03:40

Instrument :

MSVOA_D

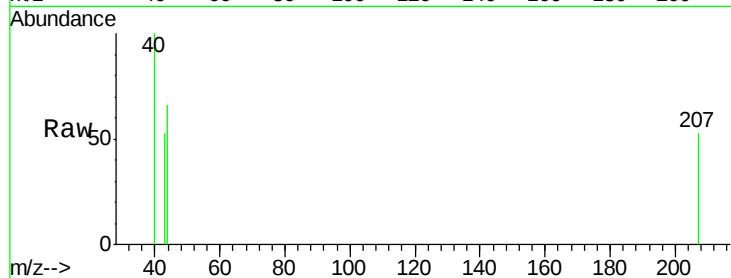
ClientSampleId :

Tot Ion: 43 Resp: 478

Ion Ratio Lower Upper

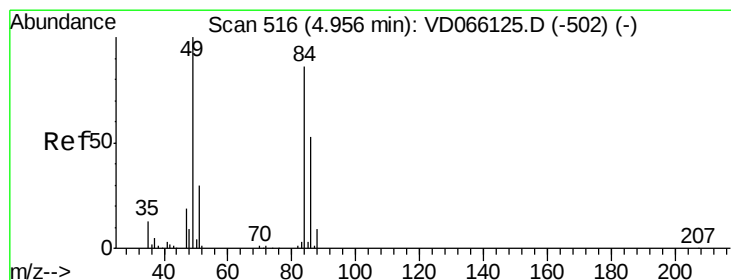
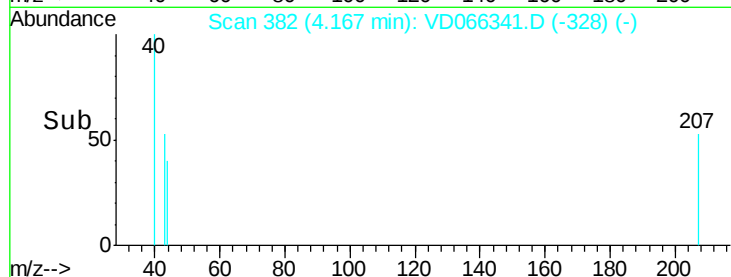
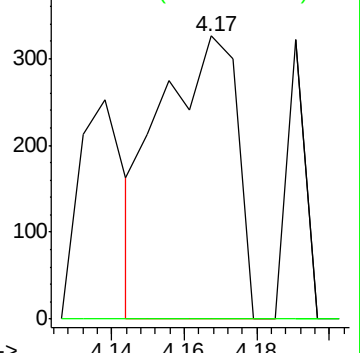
43 100

58 0.0 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 15.609 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066341.D

Acq: 20 Aug 2020 03:40

Tgt Ion: 84 Resp: 32637

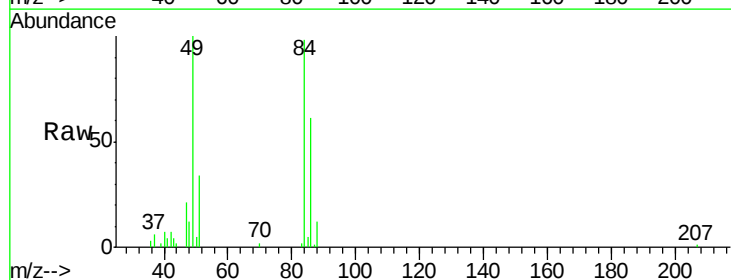
Ion Ratio Lower Upper

84 100

49 102.5 93.5 140.3

51 34.6 28.2 42.4

86 62.6 49.5 74.3

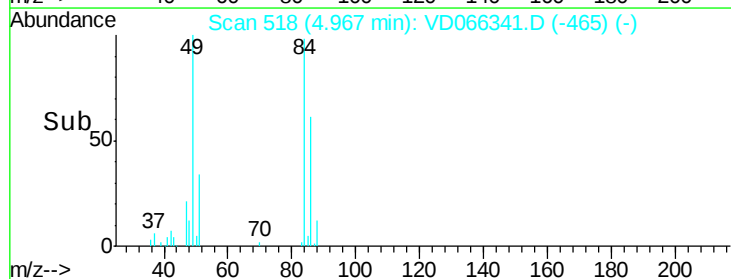
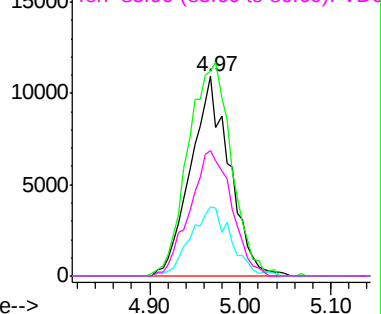


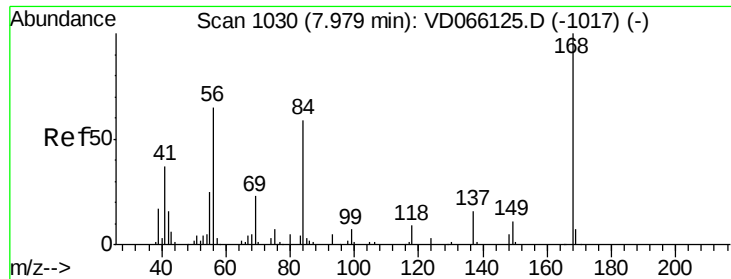
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

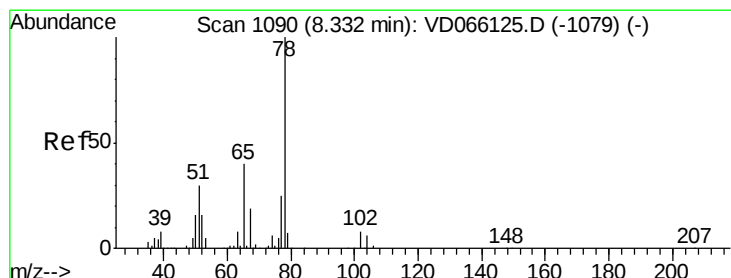
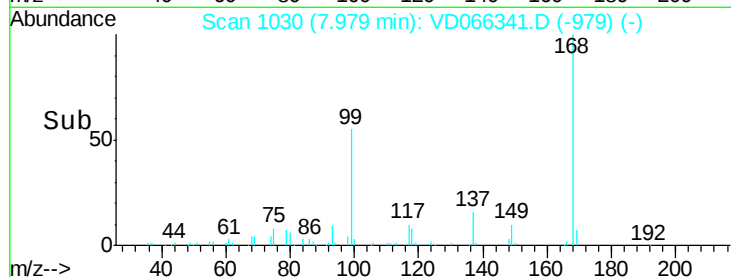
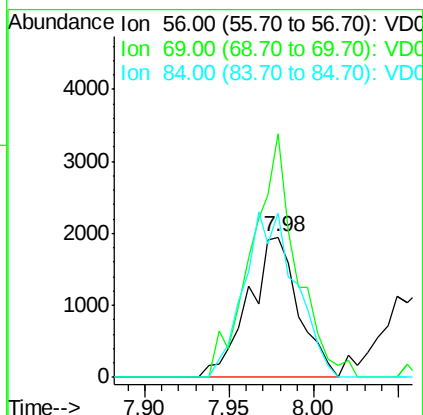
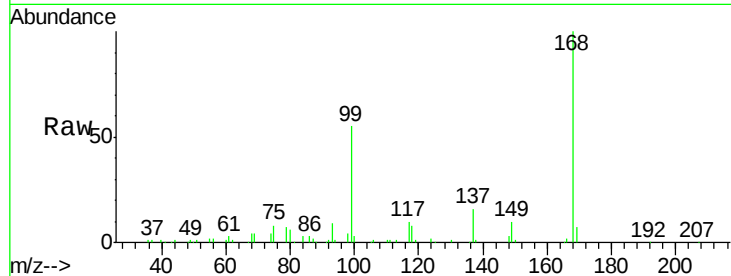




#31
Cyclohexane
Concen: 1.436 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066341.D
Acq: 20 Aug 2020 03:40

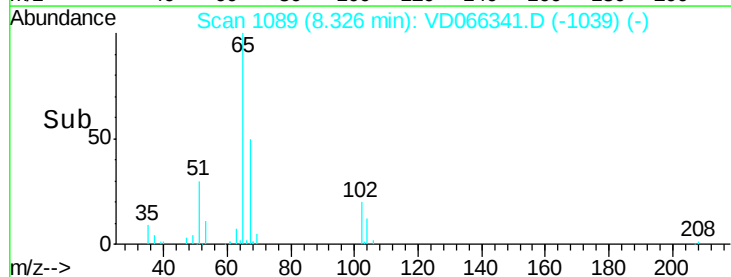
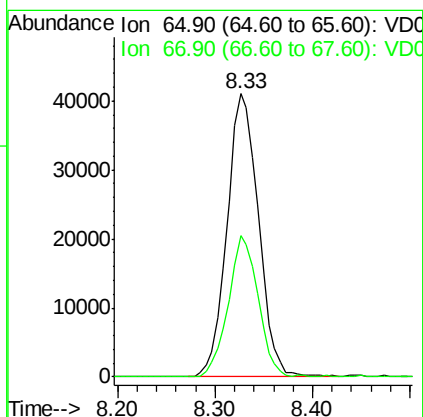
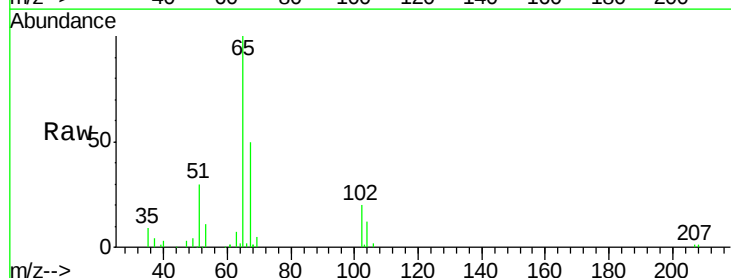
Instrument :
MSVOA_D
ClientSampleId :

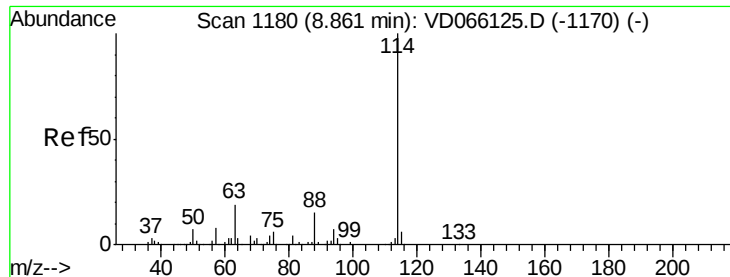
Tot Ion: 56 Resp: 4004
Ion Ratio Lower Upper
56 100
69 173.4 28.8 43.2#
84 116.9 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 57.767 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066341.D
Acq: 20 Aug 2020 03:40

Tgt Ion: 65 Resp: 91946
Ion Ratio Lower Upper
65 100
67 47.0 0.0 104.6

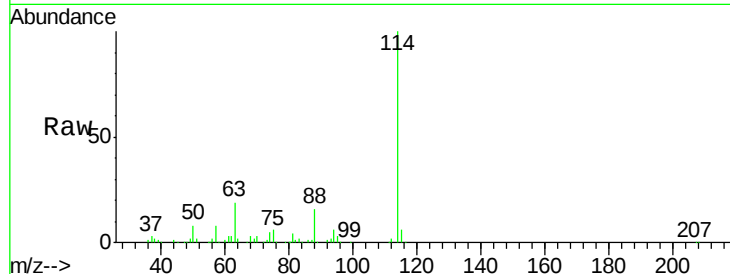




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066341.D
 Acq: 20 Aug 2020 03:40

Instrument :
 MSVOA_D
 ClientSampleId :

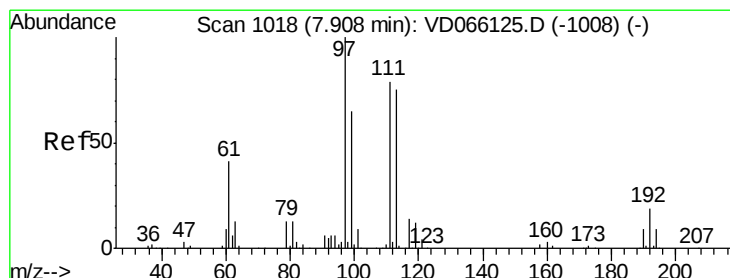
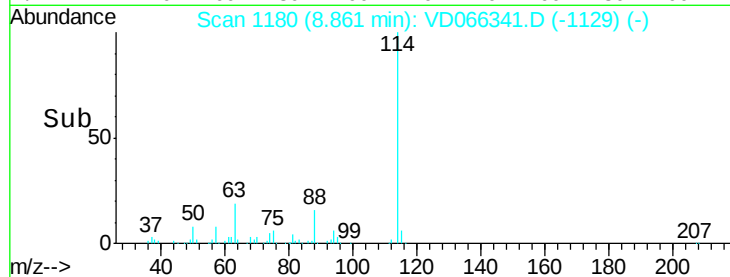
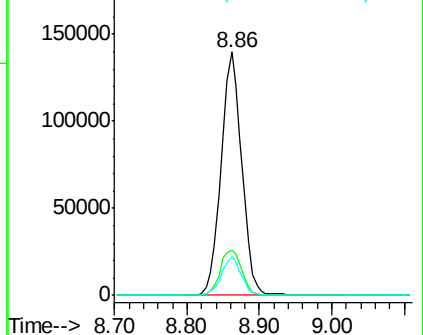
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.6
88	16.0	0.0	30.0



Abundance Ion 113.90 (113.60 to 114.60): V

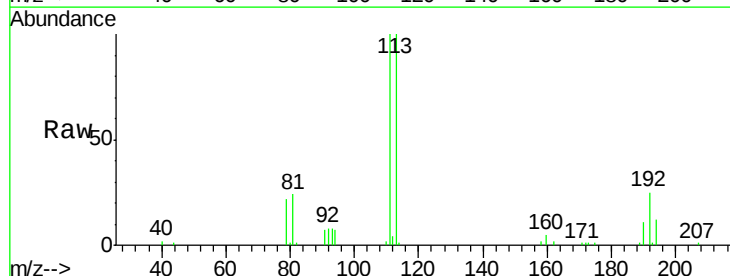
Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35
 Dibromofluoromethane
 Concen: 50.610 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066341.D
 Acq: 20 Aug 2020 03:40

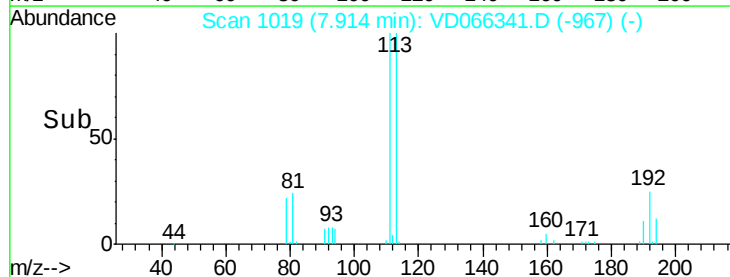
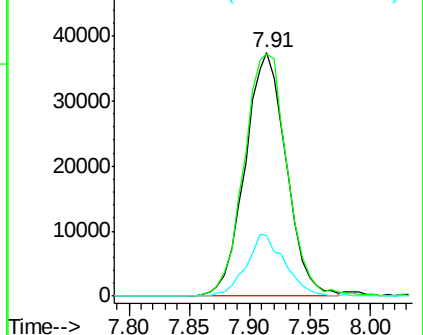
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.7	80.7	121.1
192	23.5	18.4	27.6

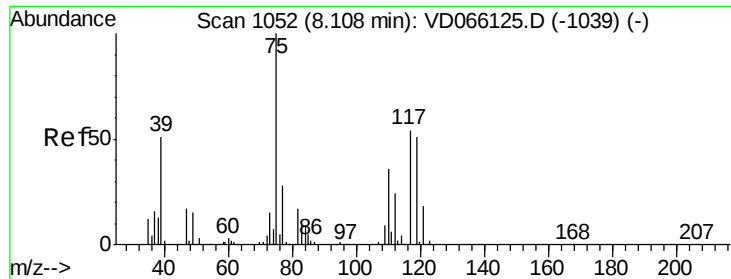


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

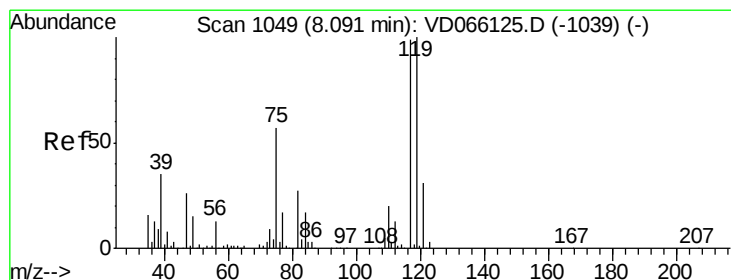
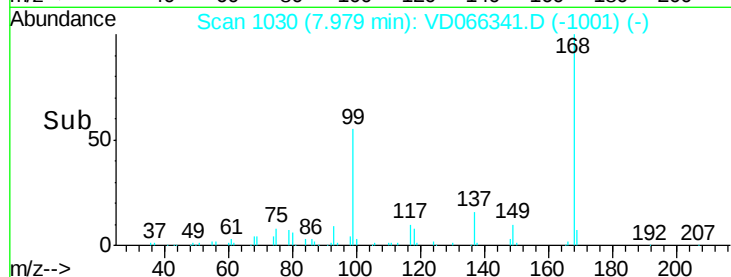
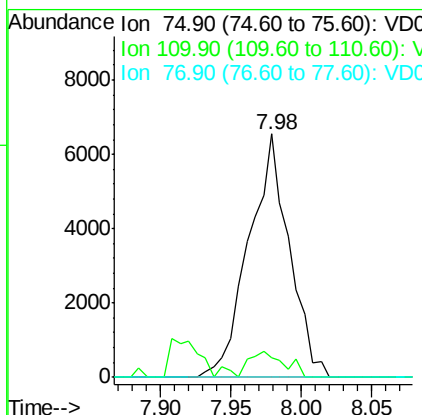
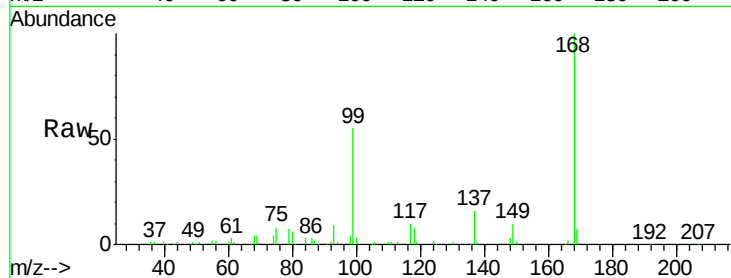




#36
 1,1-Dichloropropene
 Concen: 5.043 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066341.D
 Acq: 20 Aug 2020 03:40

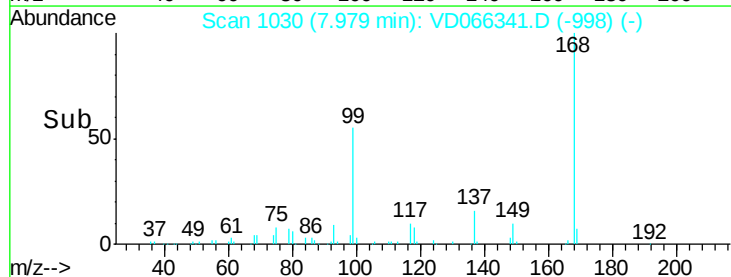
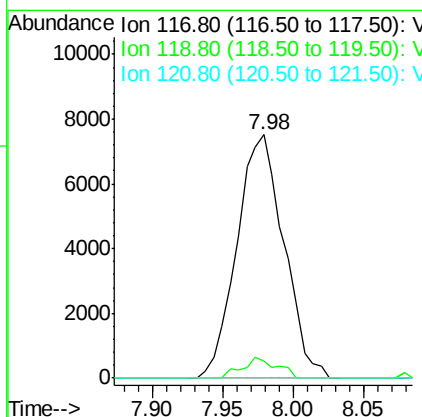
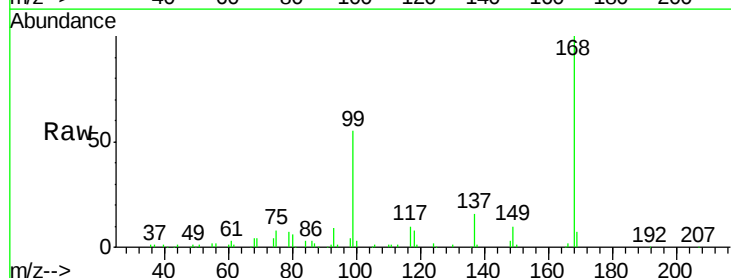
Instrument :
 MSVOA_D
 ClientSampleId :

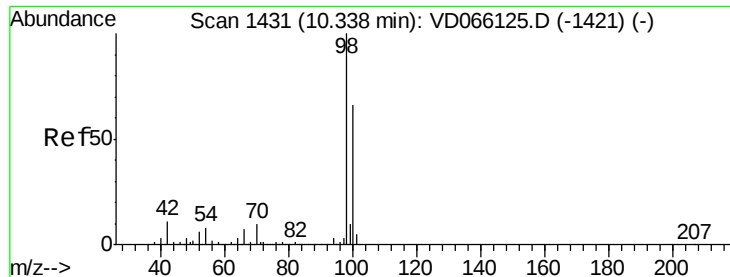
Tot Ion: 75 Resp: 13146
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.8 56.3#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.013 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.11 min
 Lab File: VD066341.D
 Acq: 20 Aug 2020 03:40

Tgt Ion: 117 Resp: 17480
 Ion Ratio Lower Upper
 117 100
 119 7.2 81.0 121.4#
 121 0.0 24.8 37.2#

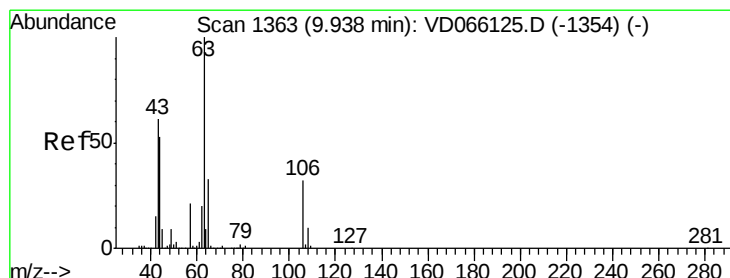
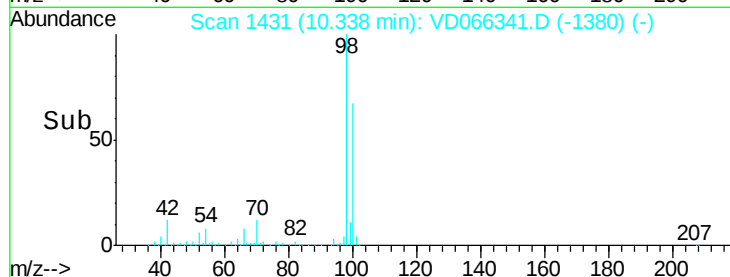
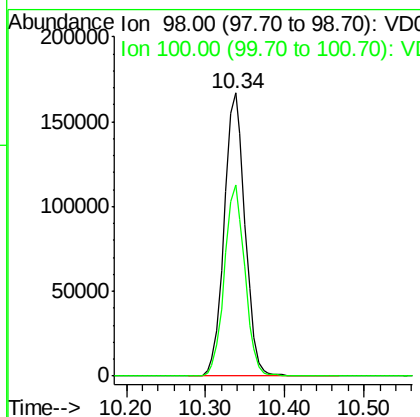
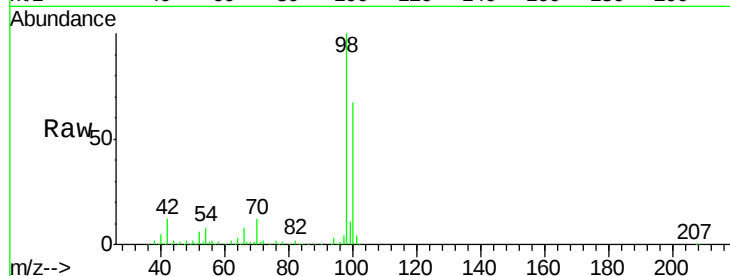




#50
Toluene-d8
Concen: 46.889 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066341.D
Acq: 20 Aug 2020 03:40

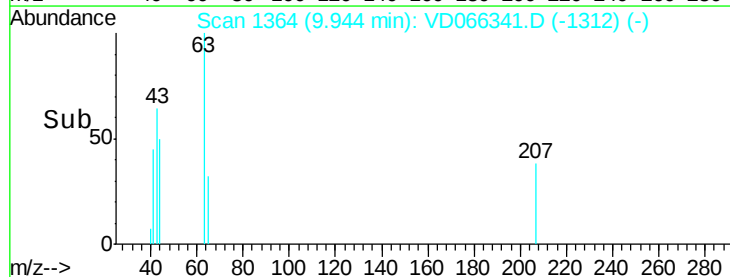
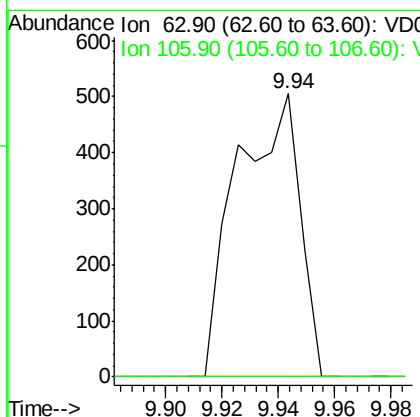
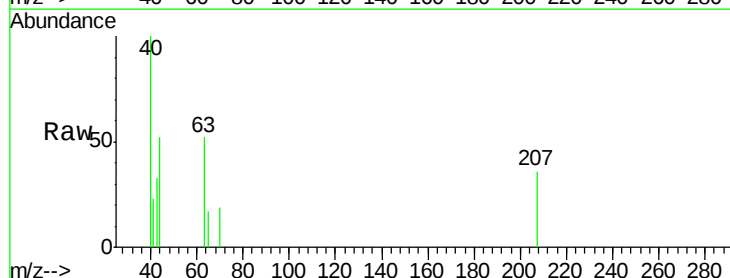
Instrument :
MSVOA_D
ClientSampleId :

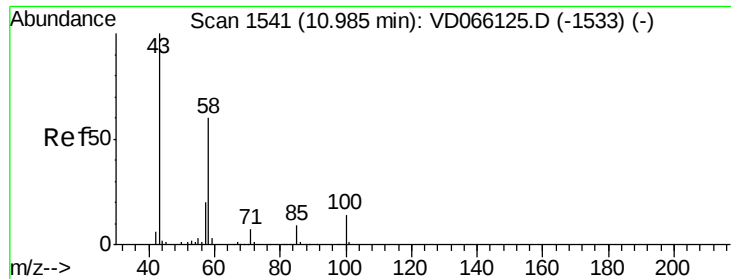
Tot Ion: 98 Resp: 304079
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#58
2-Chloroethyl Vinyl ether
Concen: 1.025 ug/l
RT: 9.94 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VD066341.D
Acq: 20 Aug 2020 03:40

Tgt Ion: 63 Resp: 777
Ion Ratio Lower Upper
63 100
106 0.0 25.3 37.9#





#59

2-Hexanone

Concen: 1.084 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.04 min

Lab File: VD066341.D

Acq: 20 Aug 2020 03:40

Instrument :

MSVOA_D

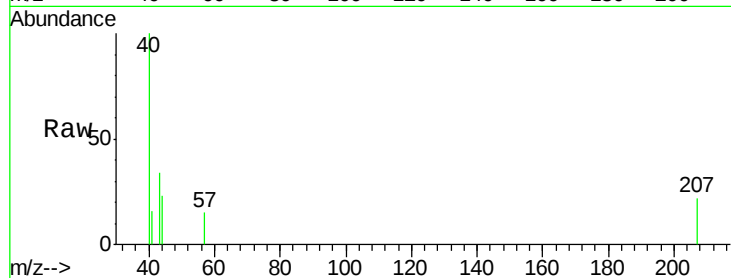
ClientSampleId :

Tot Ion: 43 Resp: 795

Ion Ratio Lower Upper

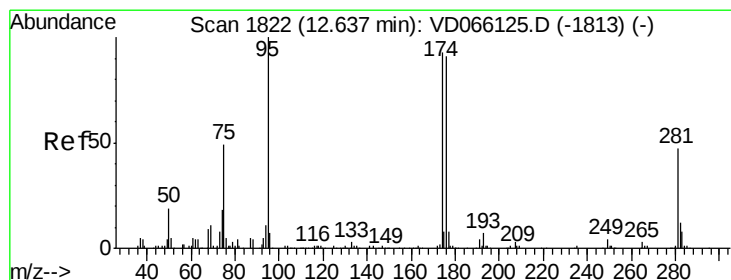
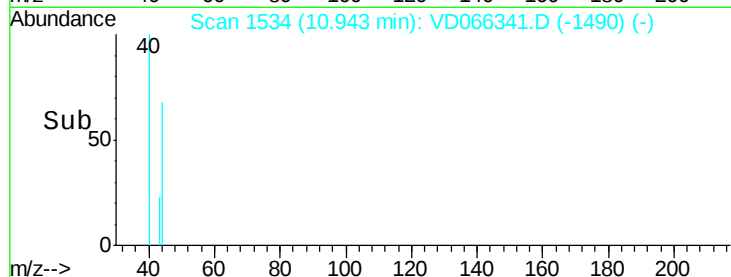
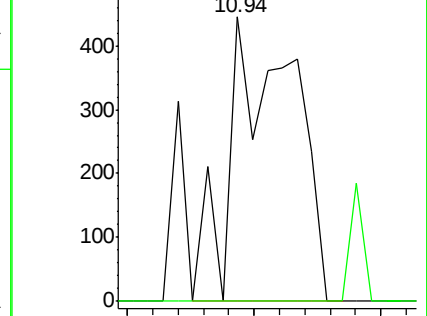
43 100

58 0.0 27.8 83.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 42.535 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066341.D

Acq: 20 Aug 2020 03:40

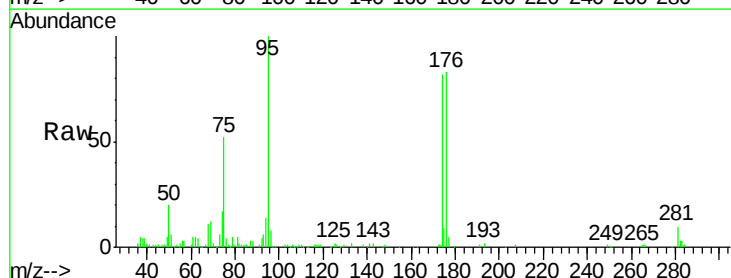
Tgt Ion: 95 Resp: 99432

Ion Ratio Lower Upper

95 100

174 89.5 0.0 180.8

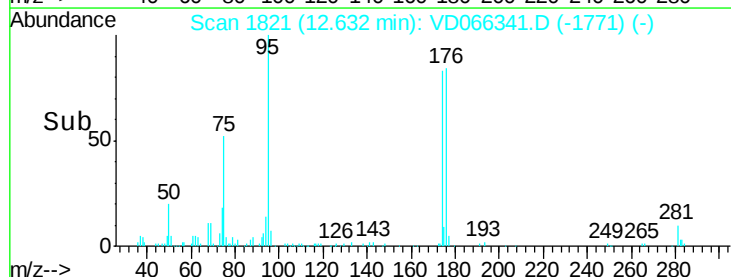
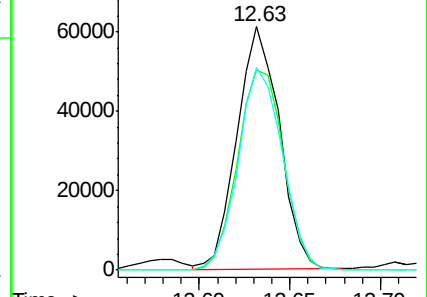
176 87.1 0.0 181.2

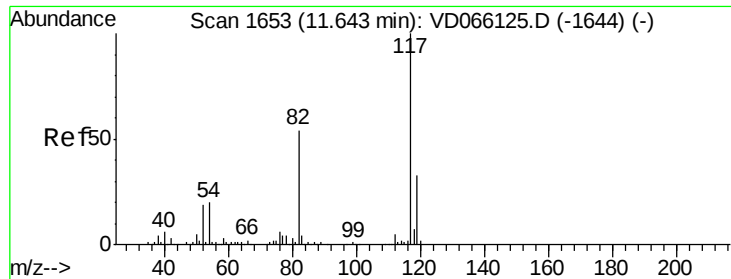


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

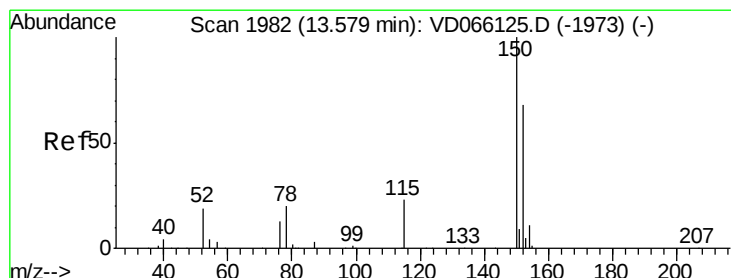
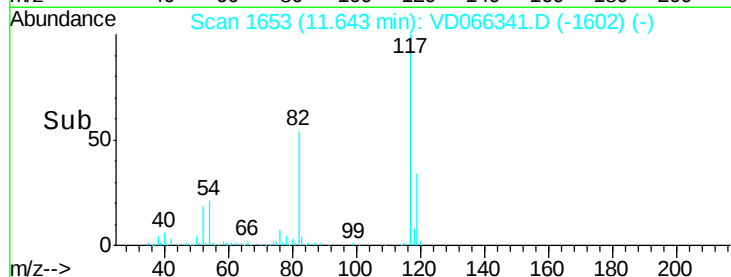
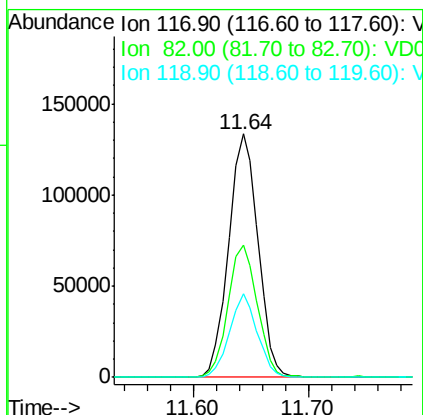
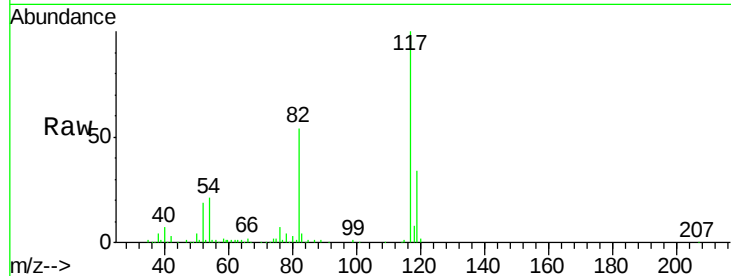




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066341.D
Acq: 20 Aug 2020 03:40

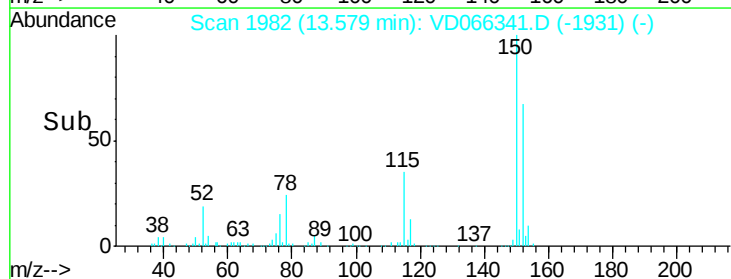
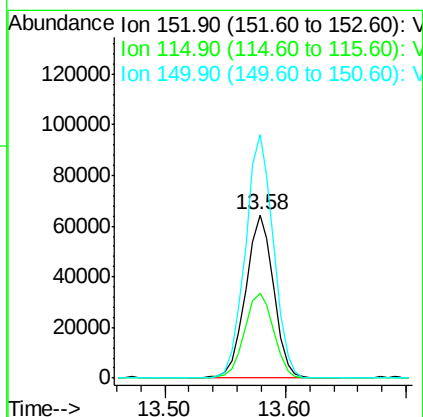
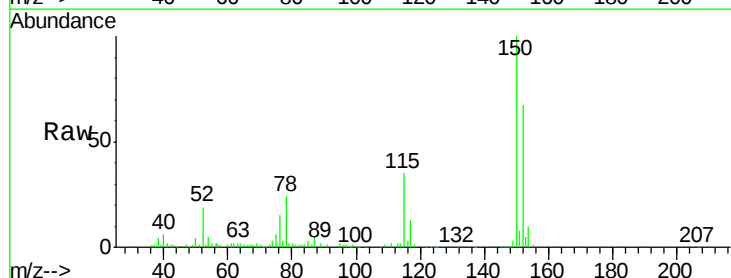
Instrument :
MSVOA_D
ClientSampleId :

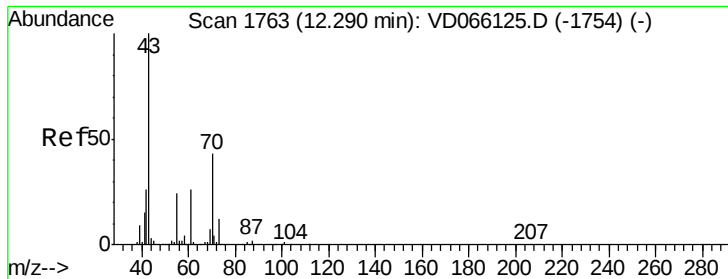
Tot Ion:117 Resp: 235250
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 34.3 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066341.D
Acq: 20 Aug 2020 03:40

Tgt Ion:152 Resp: 104240
Ion Ratio Lower Upper
152 100
115 54.1 28.0 83.9
150 149.8 0.0 346.4





#74

N-amvl acetate

Concen: 1.429 ug/l

RT: 12.26 min Scan# 1758

Delta R.T. -0.03 min

Lab File: VD066341.D

Acq: 20 Aug 2020 03:40

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 2189

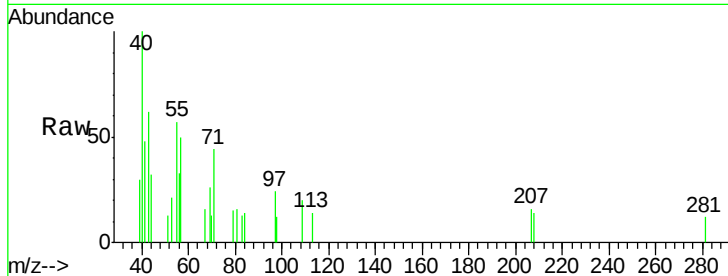
Ion Ratio Lower Upper

43 100

70 67.7 34.9 52.3#

55 0.0 19.2 28.8#

61 0.0 19.7 29.5#

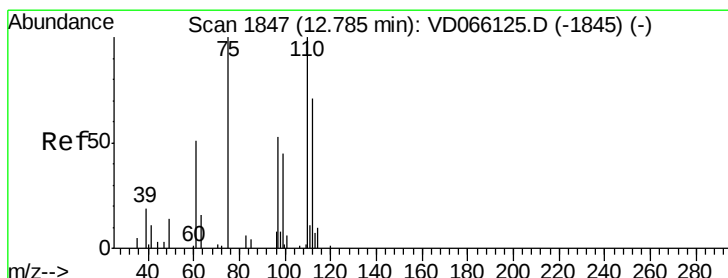
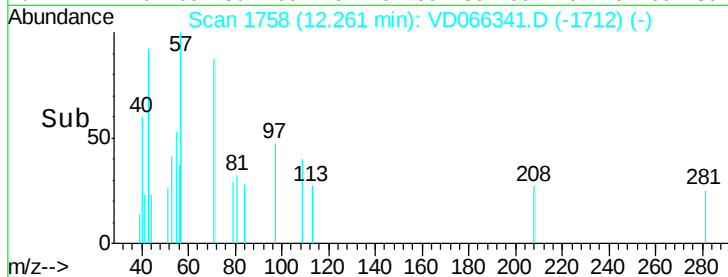
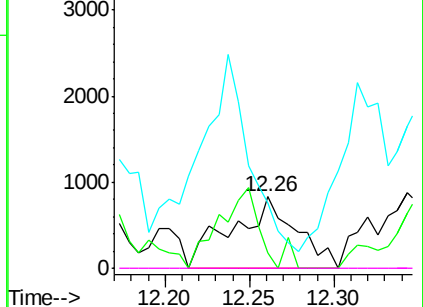


Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 59.610 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066341.D

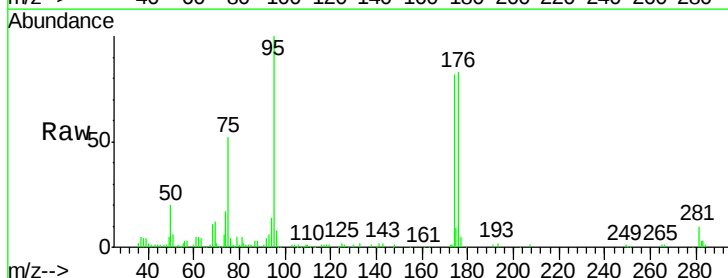
Acq: 20 Aug 2020 03:40

Tgt Ion: 75 Resp: 51818

Ion Ratio Lower Upper

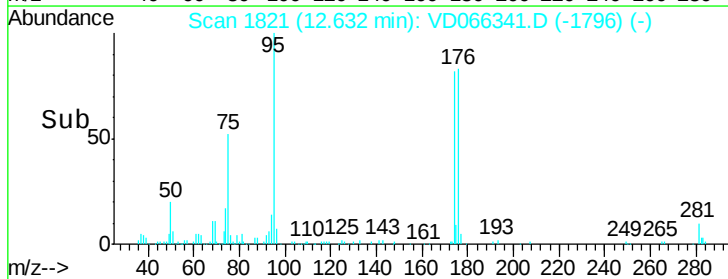
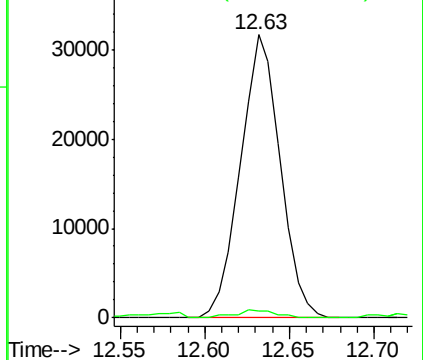
75 100

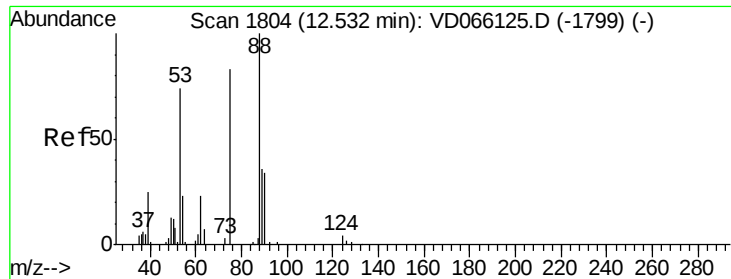
77 2.8 0.0 0.0#



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: 131.771 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066341.D

Acq: 20 Aug 2020 03:40

Instrument :

MSVOA_D

ClientSampleId :

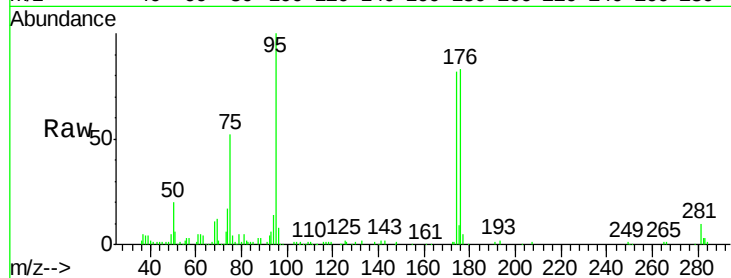
Tot Ion: 75 Resp: 51818

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.1 36.6 55.0#



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

