

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD093020\
 Data File : VD066977.D
 Acq On : 30 Sep 2020 16:48
 Operator : VA/SY
 Sample : L4193-05
 Misc : 5.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-14(9-11)

Quant Time: Oct 01 00:56:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	502087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	836394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	871891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	422075	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	229071	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
35) Dibromofluoromethane	7.91	113	251691	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
50) Toluene-d8	10.34	98	1029348	56.78	ug/l	0.00
Spiked Amount			Recovery	=	113.56%	
62) 4-Bromofluorobenzene	12.63	95	405786	65.38	ug/l	0.00
Spiked Amount			Recovery	=	130.76%	

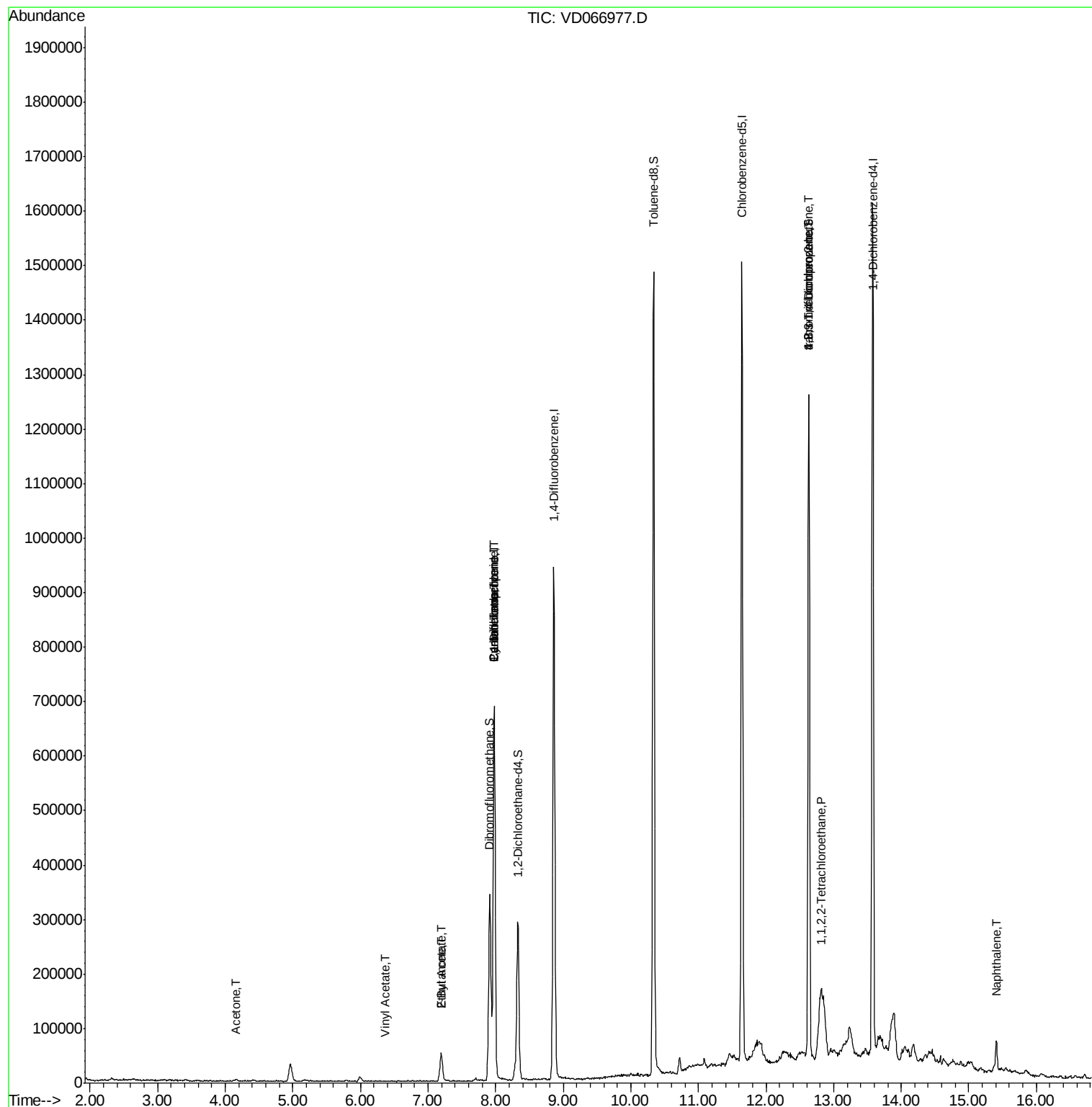
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	457	Below Cal		89
11) Tert butyl alcohol	5.20	59	1125	Below Cal	#	72
16) Acetone	4.16	43	5426	5.205	ug/l	97
18) Methyl Acetate	4.79	43	54	Below Cal	#	50
20) Methylene Chloride	4.97	84	25174	Below Cal		92
23) Vinyl Acetate	6.37	43	60	2.679	ug/l #	71
25) 2-Butanone	7.20	43	3555	2.838	ug/l #	85
31) Cyclohexane	7.98	56	10194	1.141	ug/l #	1
36) 1,1-Dichloropropene	7.97	75	36949	4.453	ug/l #	50
37) Ethyl Acetate	7.20	43	3555	1.185	ug/l #	1
38) Carbon Tetrachloride	7.98	117	51760	5.706	ug/l #	17
49) 1,4-Dioxane	9.30	88	60	Below Cal	#	1
75) 1,1,2,2-Tetrachloroethane	12.81	83	24479	4.653	ug/l #	29
76) 1,2,3-Trichloropropane	12.63	75	203060	58.053	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	203060	145.244	ug/l #	10
95) Naphthalene	15.41	128	51011	3.960	ug/l	96

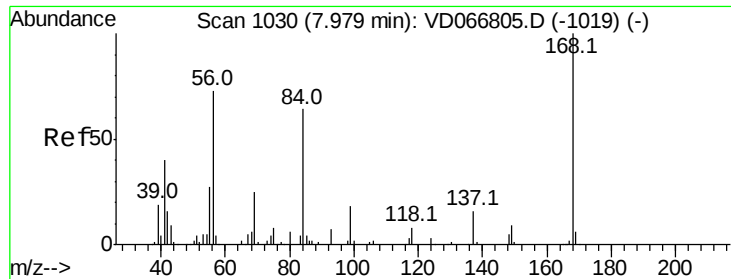
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066977.D

Acq: 30 Sep 2020 16:48

Instrument :

MSVOA_D

ClientSampleId :

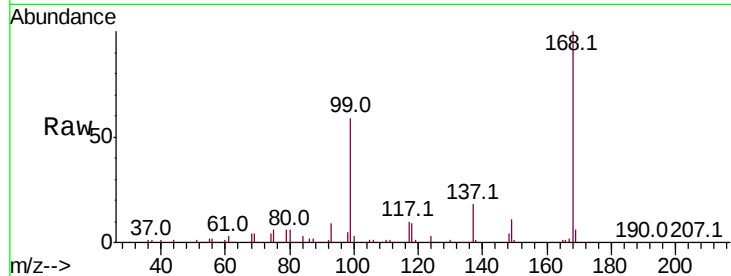
B-14(9-11)

Tot Ion:168 Resp: 502087

Ion Ratio Lower Upper

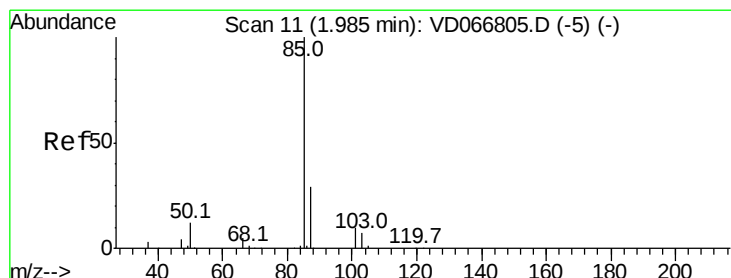
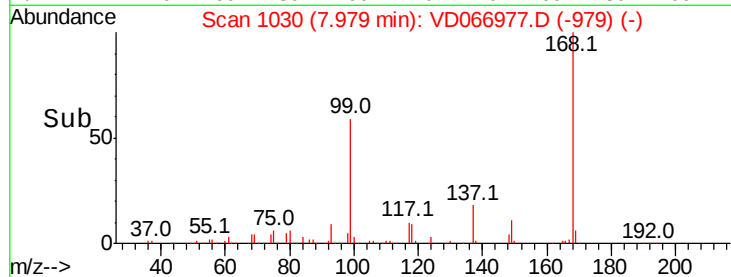
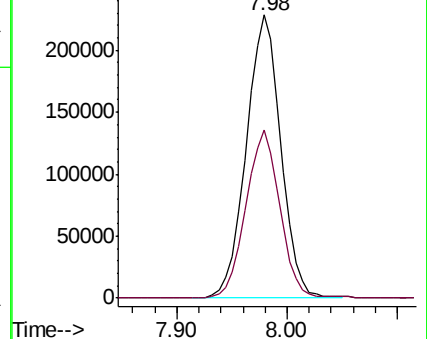
168 100

99 59.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066977.D

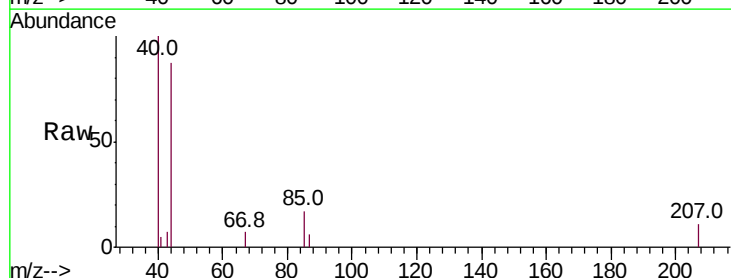
Acq: 30 Sep 2020 16:48

Tgt Ion: 85 Resp: 457

Ion Ratio Lower Upper

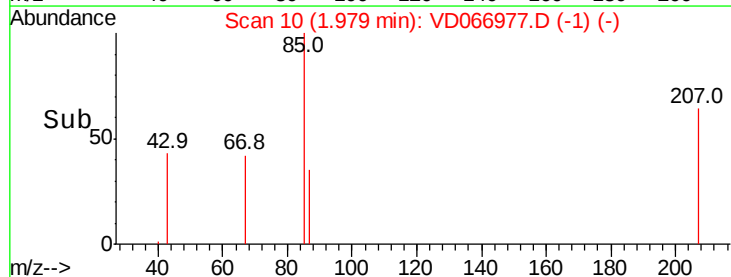
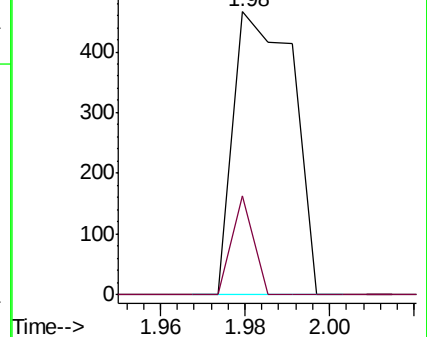
85 100

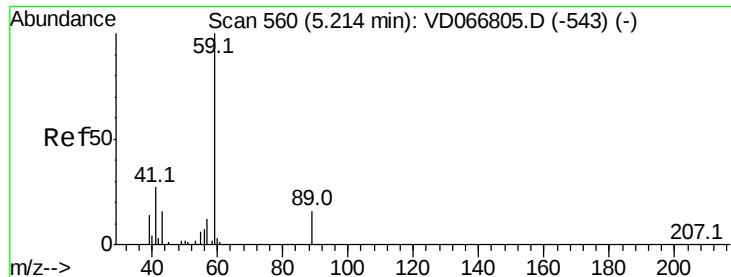
87 34.8 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



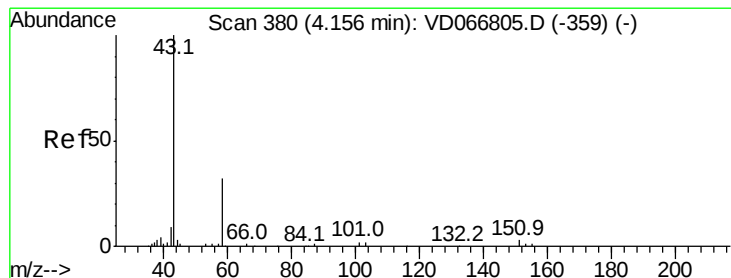
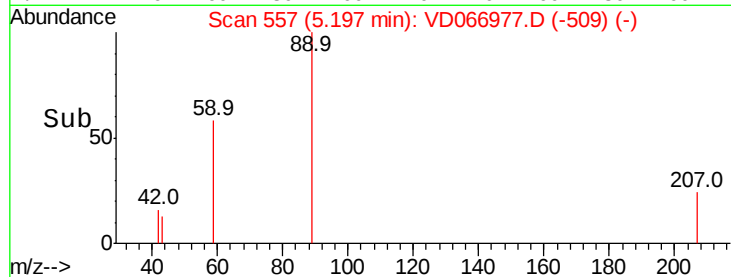
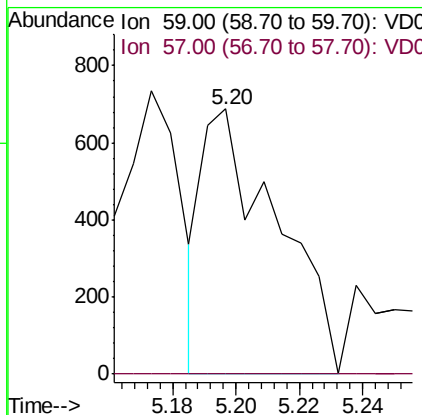
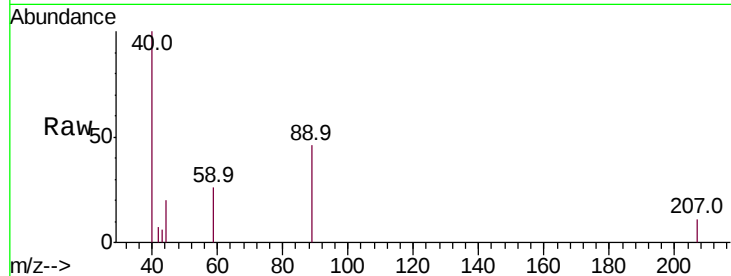


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD066977.D
 Acq: 30 Sep 2020 16:48

Instrument :
 MSVOA_D
 ClientSampleId :
 B-14(9-11)

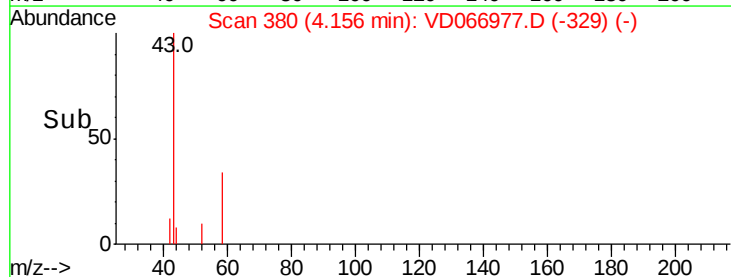
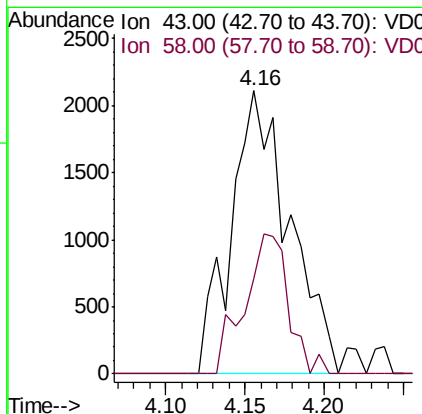
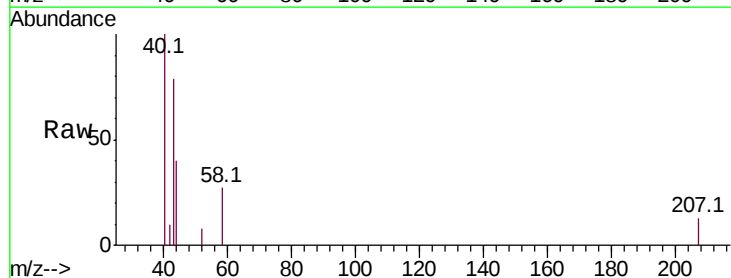
Tot Ion: 59 Resp: 1125
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

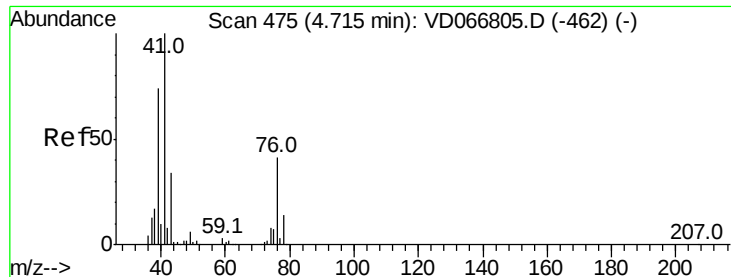


#16

Acetone
 Concen: 5.205 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD066977.D
 Acq: 30 Sep 2020 16:48

Tgt Ion: 43 Resp: 5426
 Ion Ratio Lower Upper
 43 100
 58 33.7 25.6 38.4

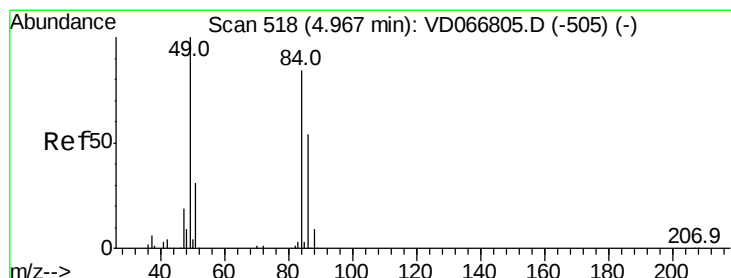
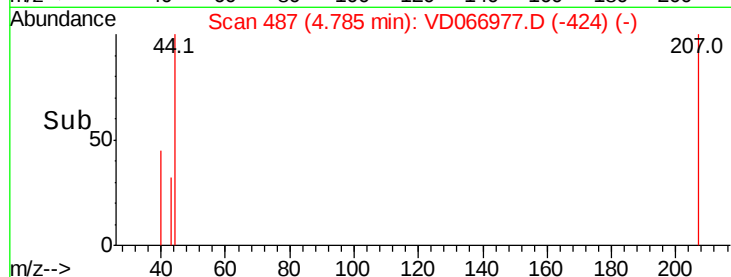
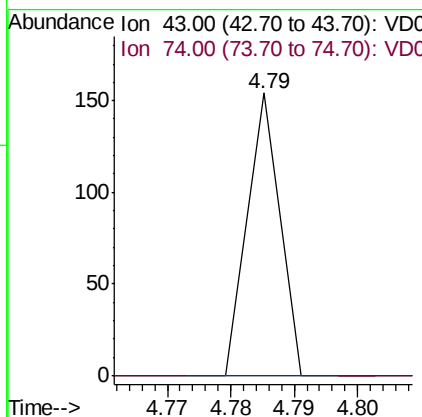
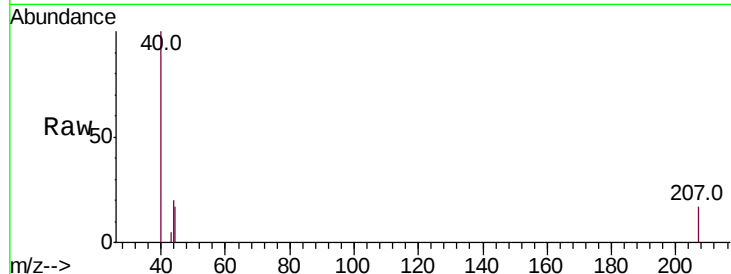




#18
Methyl Acetate
Concen: Below Cal
RT: 4.79 min Scan# 487
Delta R.T. 0.07 min
Lab File: VD066977.D
Acq: 30 Sep 2020 16:48

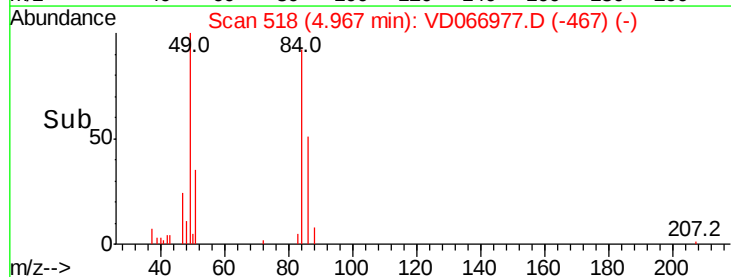
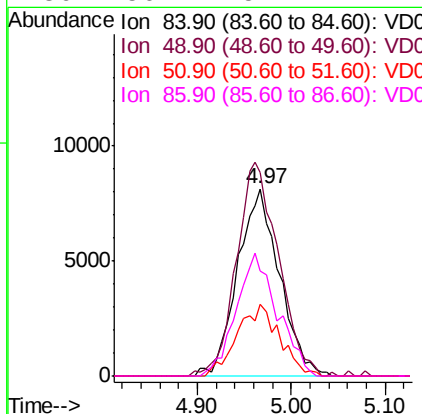
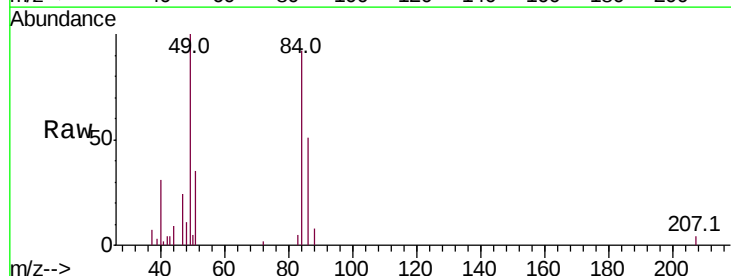
Instrument :
MSVOA_D
ClientSampleId :
B-14(9-11)

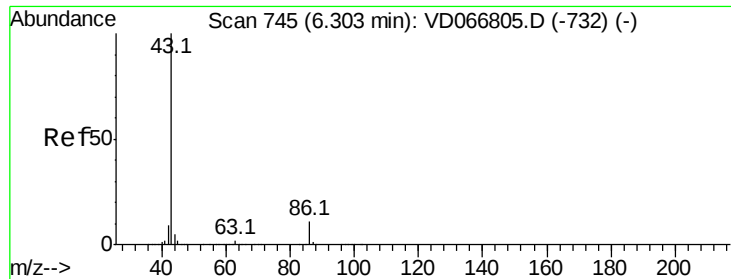
Tot Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066977.D
Acq: 30 Sep 2020 16:48

Tgt Ion: 84 Resp: 25174
Ion Ratio Lower Upper
84 100
49 108.9 95.4 143.2
51 38.2 29.7 44.5
86 56.1 51.4 77.2





#23

Vinyl Acetate

Concen: 2.679 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.07 min

Lab File: VD066977.D

Acq: 30 Sep 2020 16:48

Instrument :

MSVOA_D

ClientSampleId :

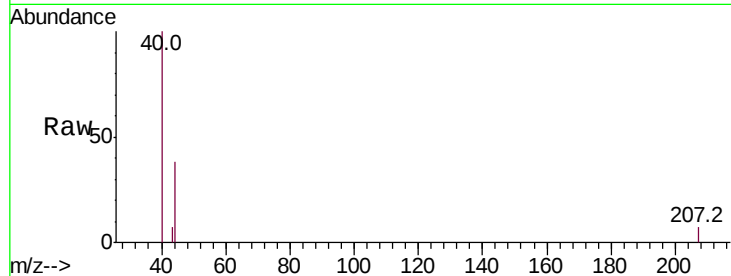
B-14(9-11)

Tot Ion: 43 Resp: 60

Ion Ratio Lower Upper

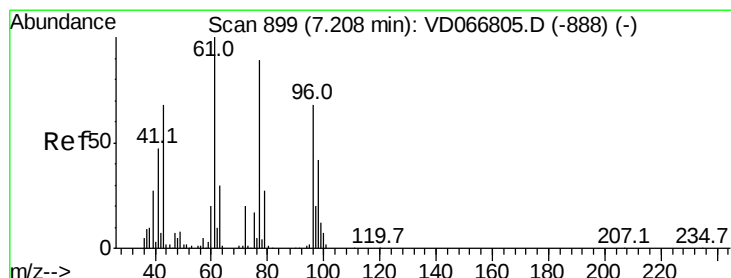
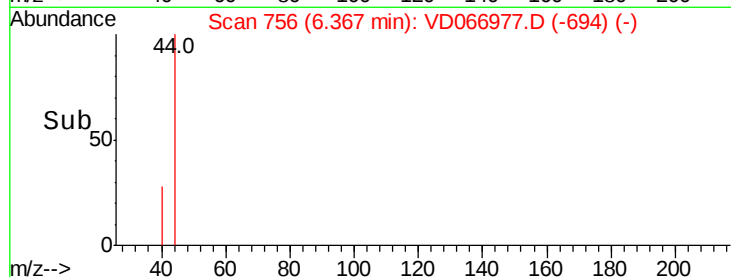
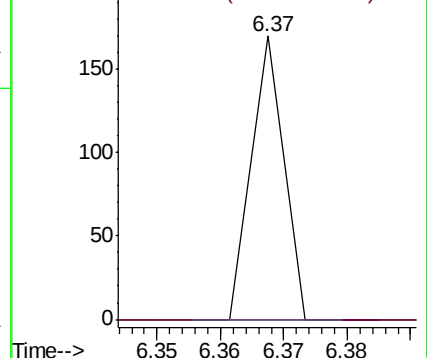
43 100

86 0.0 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: 2.838 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066977.D

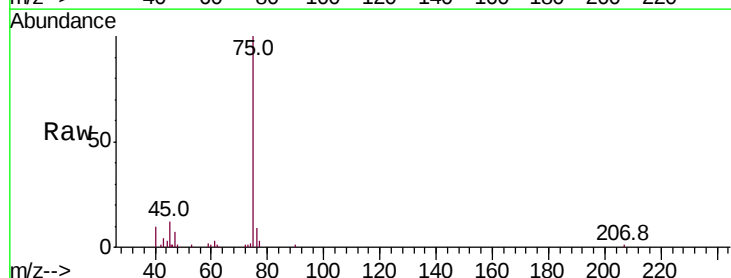
Acq: 30 Sep 2020 16:48

Tgt Ion: 43 Resp: 3555

Ion Ratio Lower Upper

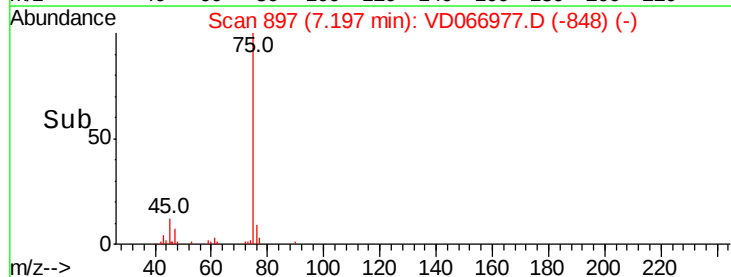
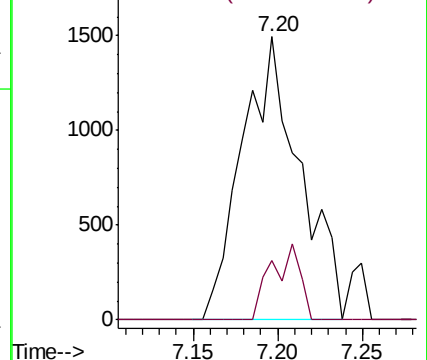
43 100

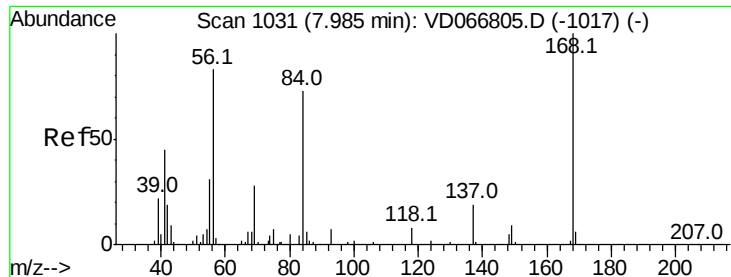
72 20.7 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

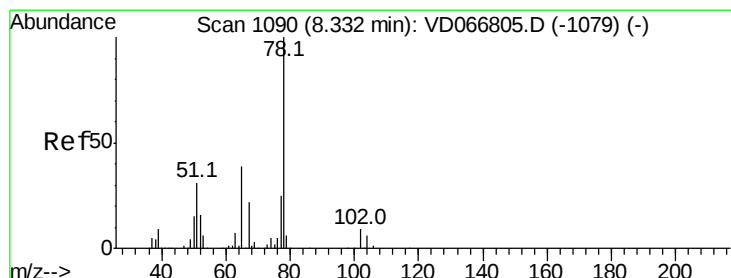
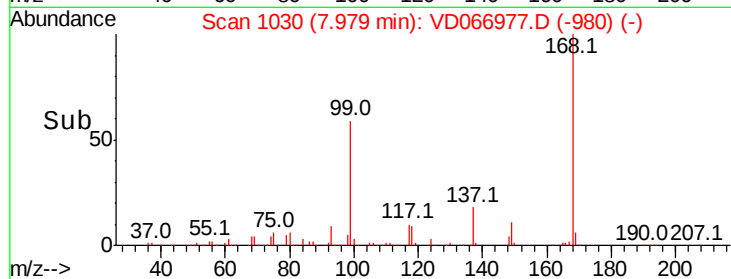
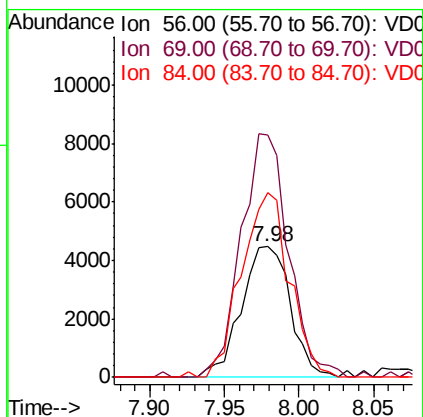
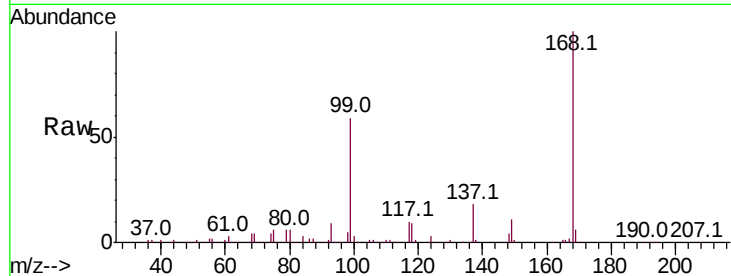




#31
Cyclohexane
Concen: 1.141 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066977.D
Acq: 30 Sep 2020 16:48

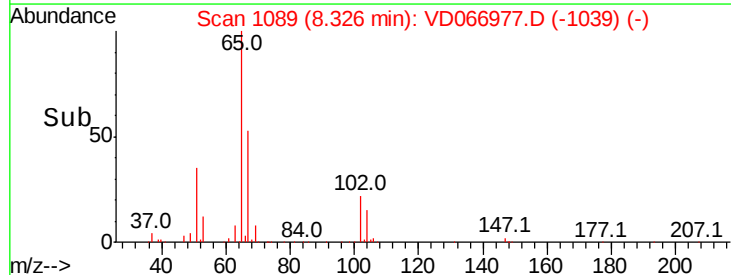
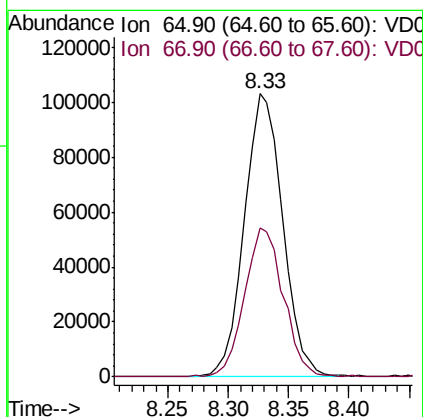
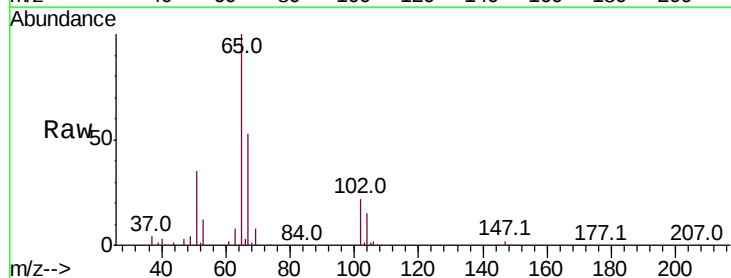
Instrument :
MSVOA_D
ClientSampleId :
B-14(9-11)

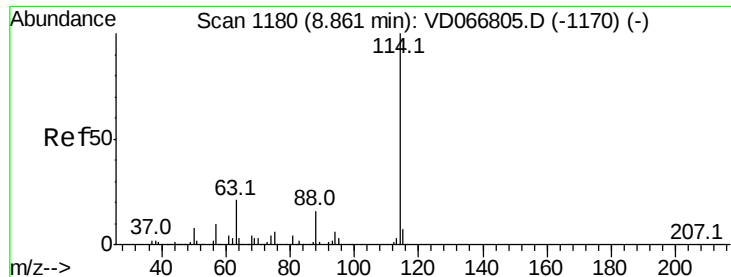
Tot Ion: 56 Resp: 10194
Ion Ratio Lower Upper
56 100
69 185.8 27.0 40.4#
84 141.0 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 46.614 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066977.D
Acq: 30 Sep 2020 16:48

Tgt Ion: 65 Resp: 229071
Ion Ratio Lower Upper
65 100
67 53.5 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066977.D

Acq: 30 Sep 2020 16:48

Instrument :

MSVOA_D

ClientSampleId :

B-14(9-11)

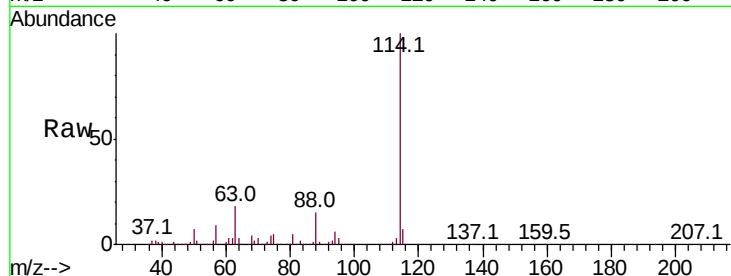
Tot Ion:114 Resp: 836394

Ion Ratio Lower Upper

114 100

63 18.3 0.0 42.6

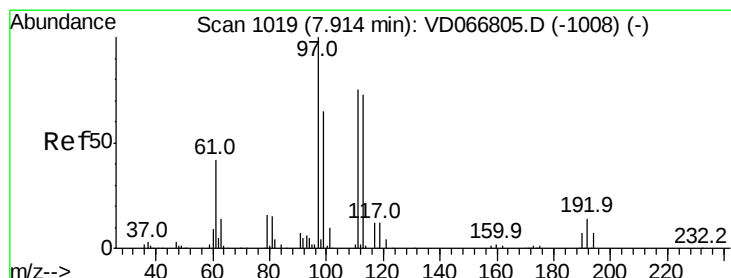
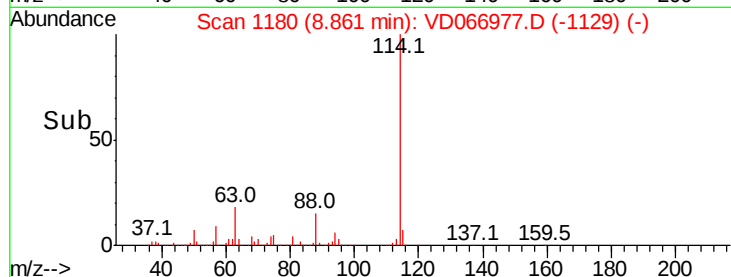
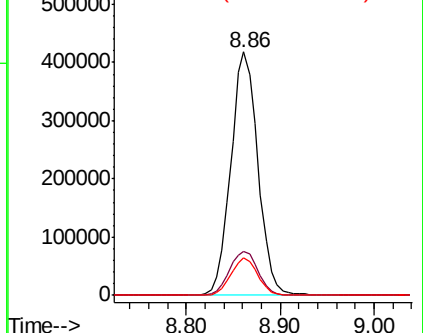
88 15.2 0.0 32.6



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: 47.300 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066977.D

Acq: 30 Sep 2020 16:48

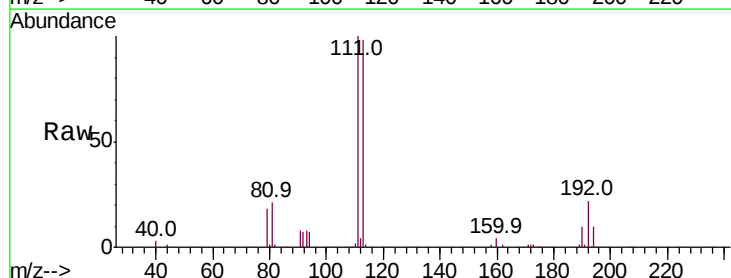
Tgt Ion:113 Resp: 251691

Ion Ratio Lower Upper

113 100

111 104.4 81.8 122.8

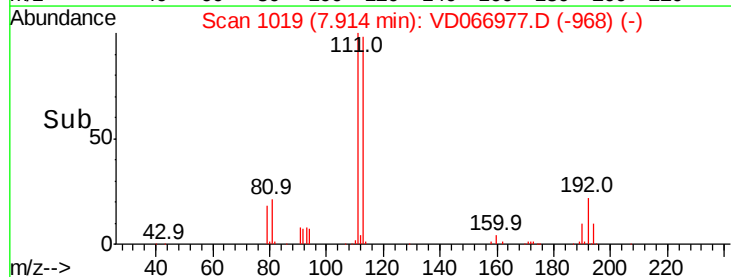
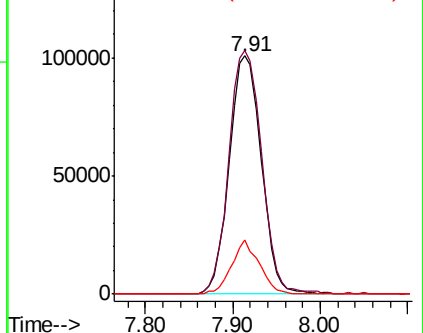
192 19.8 14.4 21.6

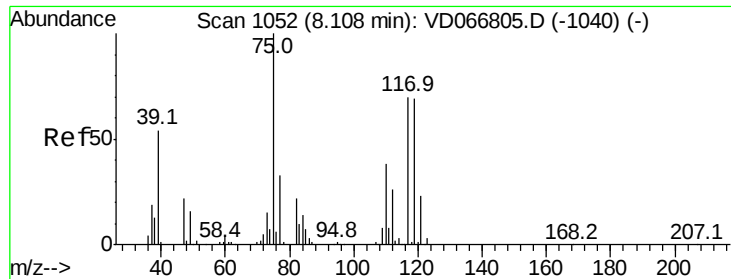


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.453 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066977.D

Acq: 30 Sep 2020 16:48

Instrument :

MSVOA_D

ClientSampleId :

B-14(9-11)

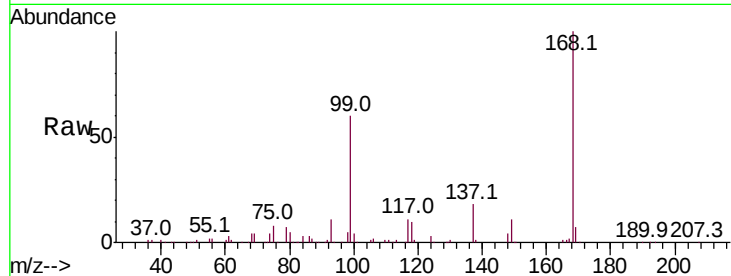
Tot Ion: 75 Resp: 36949

Ion Ratio Lower Upper

75 100

110 10.5 17.9 53.8#

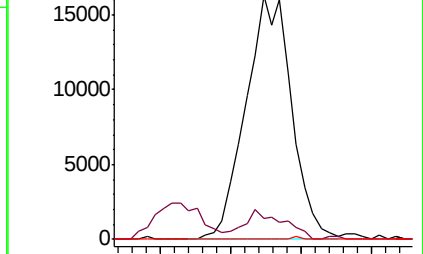
77 0.0 25.0 37.6#



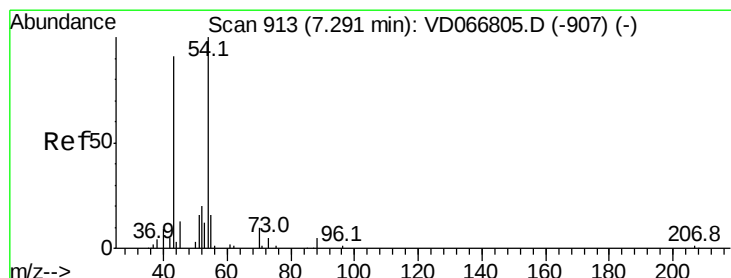
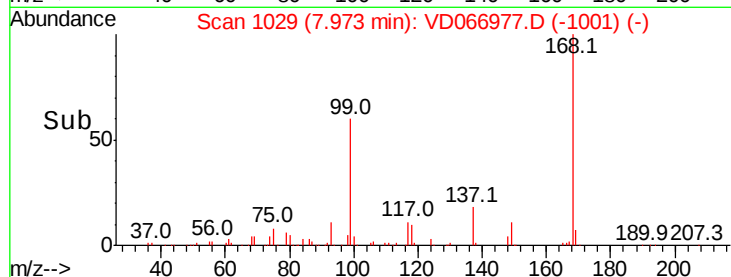
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



Time-->



#37

Ethyl Acetate

Concen: 1.185 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.09 min

Lab File: VD066977.D

Acq: 30 Sep 2020 16:48

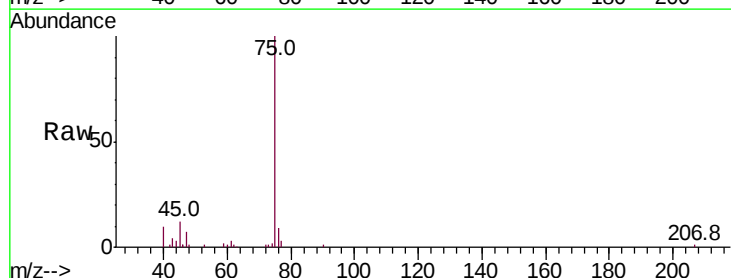
Tgt Ion: 43 Resp: 3555

Ion Ratio Lower Upper

43 100

61 87.5 9.8 14.8#

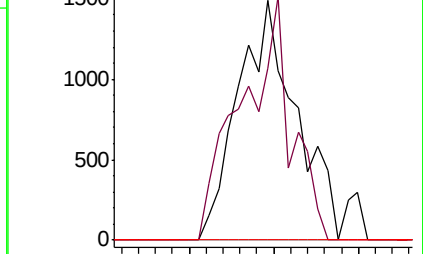
70 0.0 8.5 12.7#



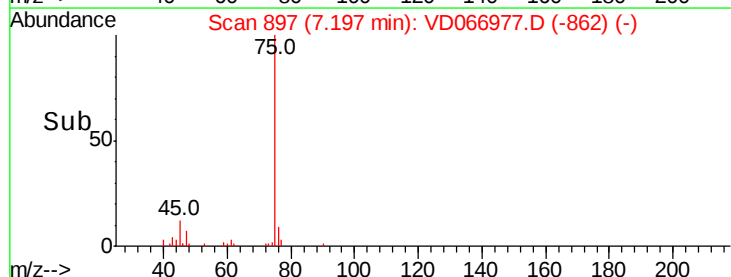
Abundance Ion 43.00 (42.70 to 43.70): VDC

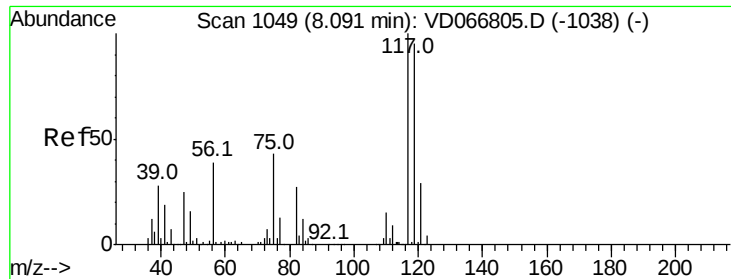
Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



Time-->





#38

Carbon Tetrachloride

Concen: 5.706 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066977.D

Acq: 30 Sep 2020 16:48

Instrument :

MSVOA_D

ClientSampleId :

B-14(9-11)

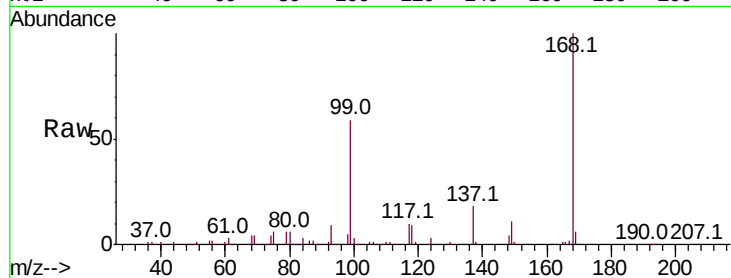
Tot Ion:117 Resp: 51760

Ion Ratio Lower Upper

117 100

119 6.4 75.8 113.8#

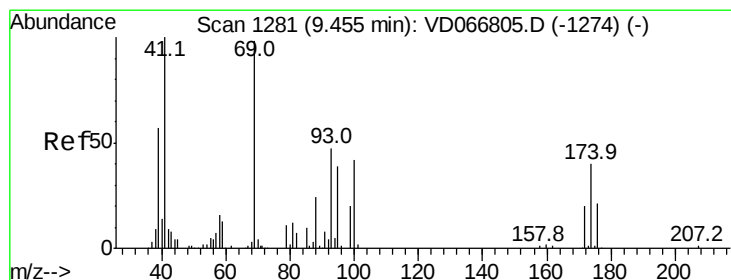
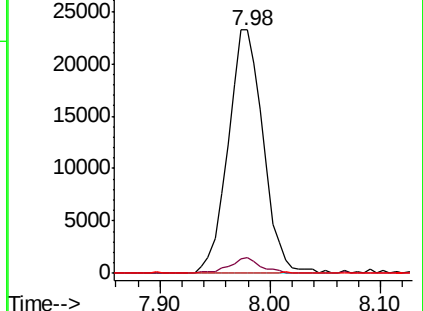
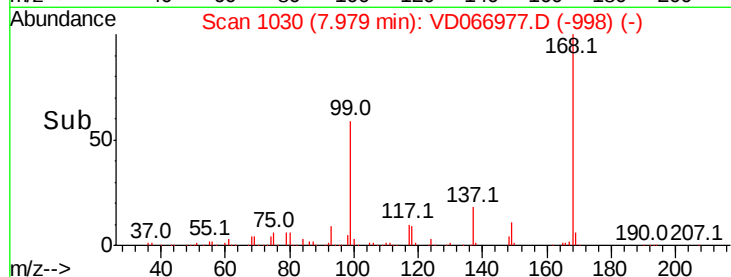
121 0.0 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.30 min Scan# 1255

Delta R.T. -0.15 min

Lab File: VD066977.D

Acq: 30 Sep 2020 16:48

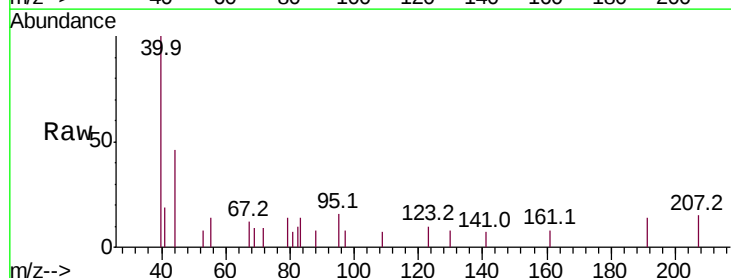
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 473.3 27.7 41.5#

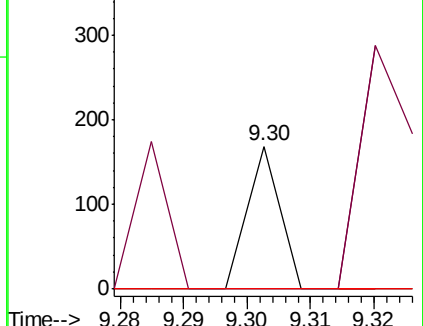
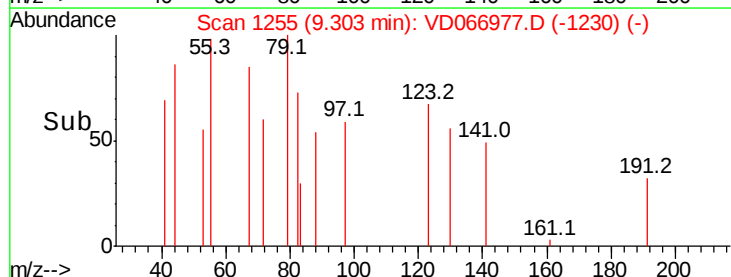
58 0.0 55.5 83.3#

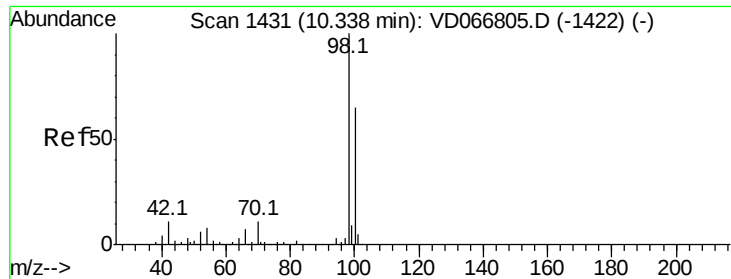


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

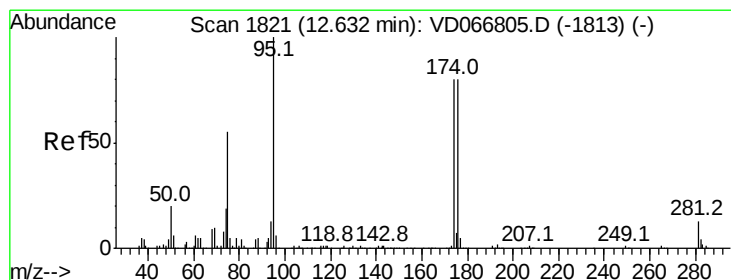
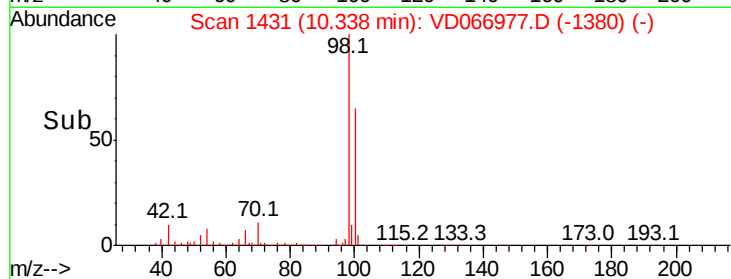
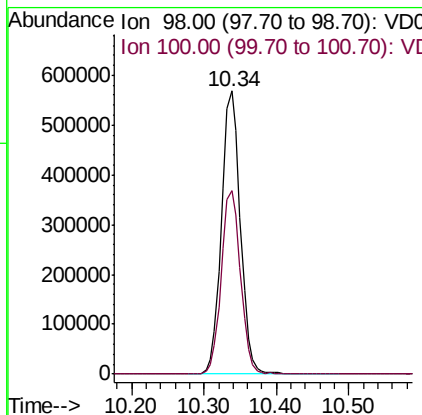
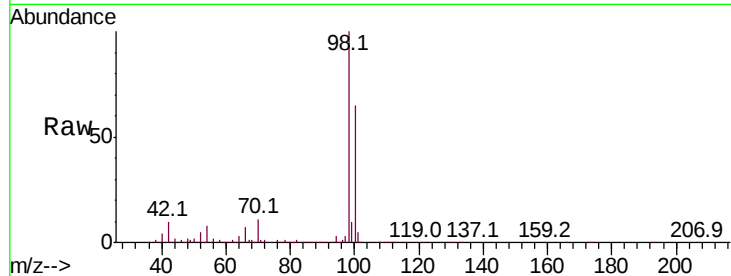




#50
Toluene-d8
Concen: 56.776 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066977.D
Acq: 30 Sep 2020 16:48

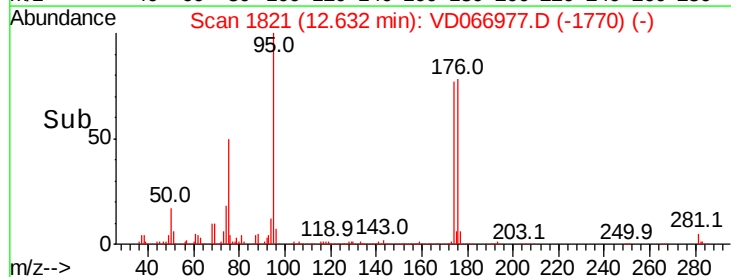
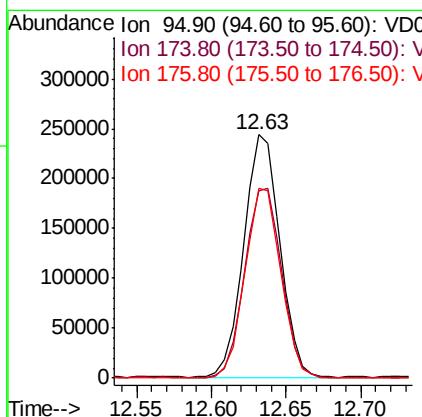
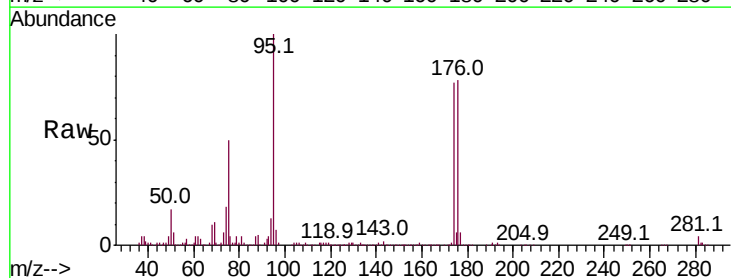
Instrument :
MSVOA_D
ClientSampleId :
B-14(9-11)

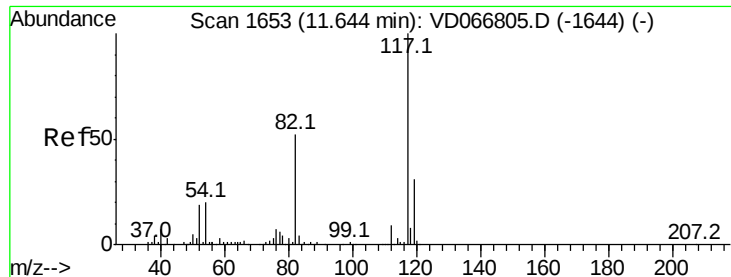
Tot Ion: 98 Resp: 1029348
Ion Ratio Lower Upper
98 100
100 66.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 65.380 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066977.D
Acq: 30 Sep 2020 16:48

Tgt Ion: 95 Resp: 405786
Ion Ratio Lower Upper
95 100
174 80.9 0.0 159.8
176 78.0 0.0 154.4

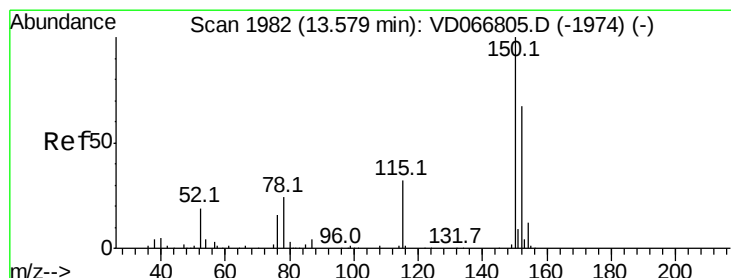
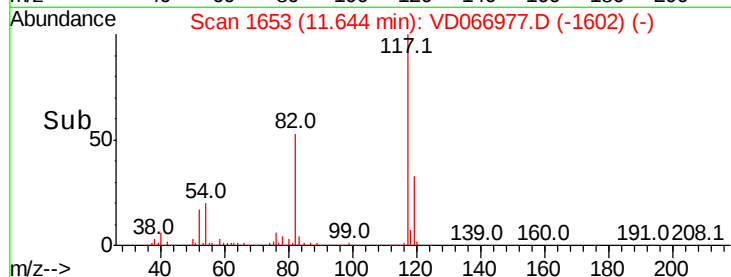
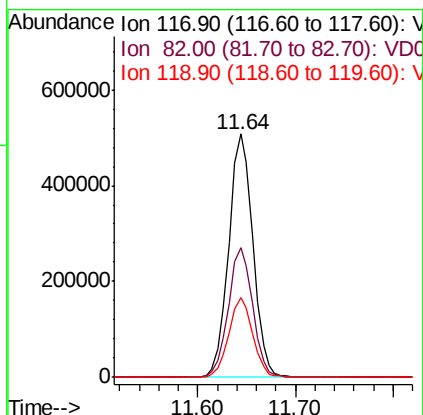
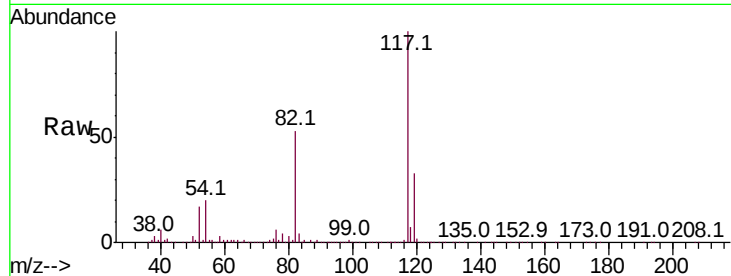




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066977.D
Acq: 30 Sep 2020 16:48

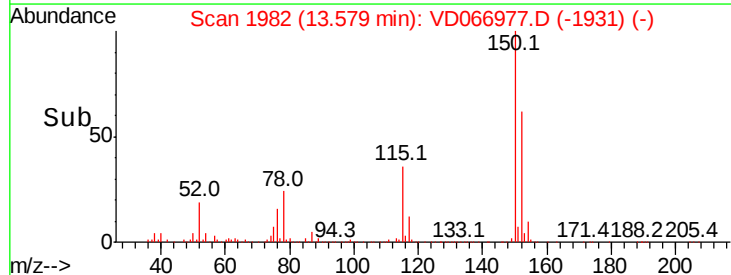
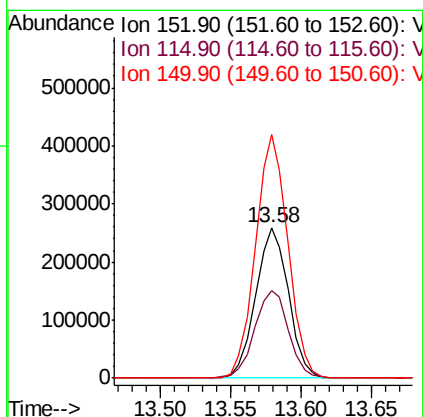
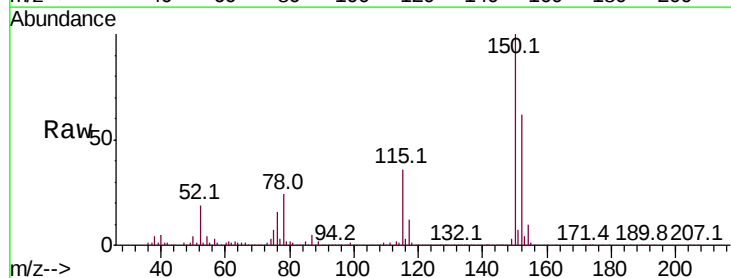
Instrument :
MSVOA_D
ClientSampleId :
B-14(9-11)

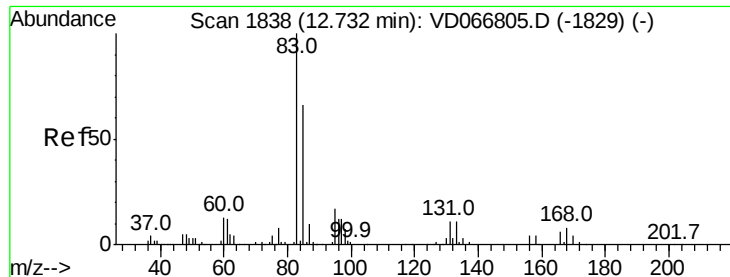
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	41.8	62.6
119	32.5	24.6	37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066977.D
Acq: 30 Sep 2020 16:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.3	91.0
150	159.7	0.0	346.2





#75

1,1,2,2-Tetrachloroethane

Concen: 4.653 ug/l

RT: 12.81 min Scan# 1851

Delta R.T. 0.08 min

Lab File: VD066977.D

Acq: 30 Sep 2020 16:48

Instrument :

MSVOA_D

ClientSampleId :

B-14(9-11)

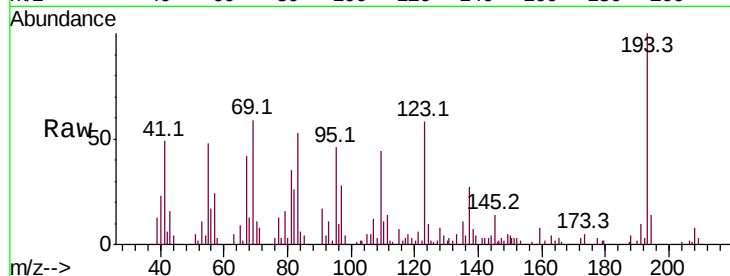
Tot Ion: 83 Resp: 24479

Ion Ratio Lower Upper

83 100

131 2.1 5.5 16.7#

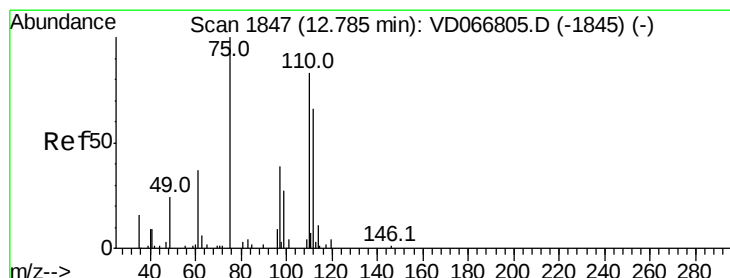
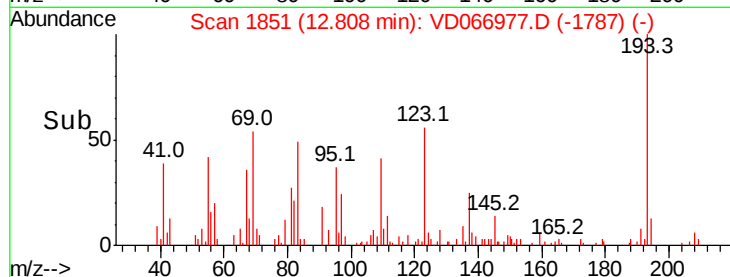
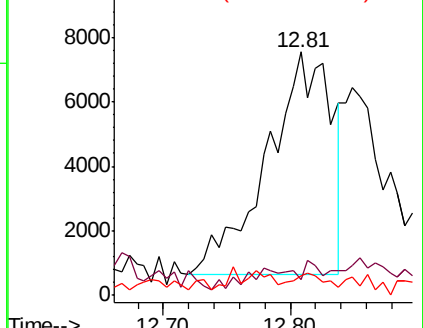
85 2.3 32.1 96.5#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 58.053 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066977.D

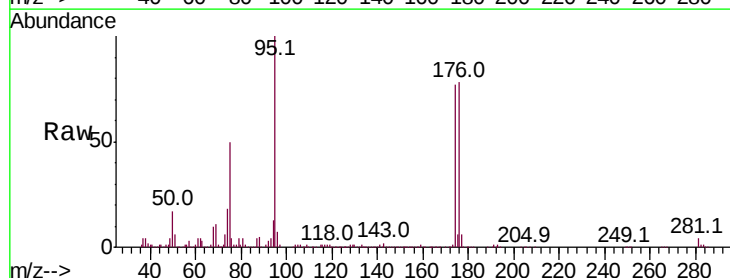
Acq: 30 Sep 2020 16:48

Tgt Ion: 75 Resp: 203060

Ion Ratio Lower Upper

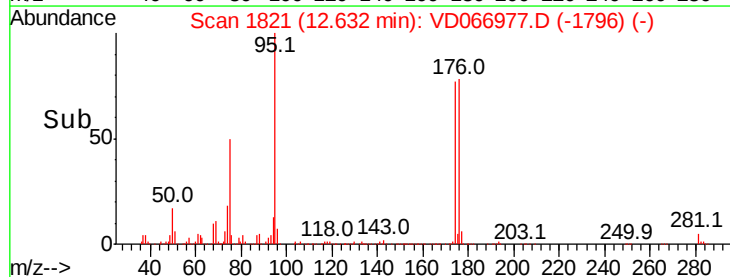
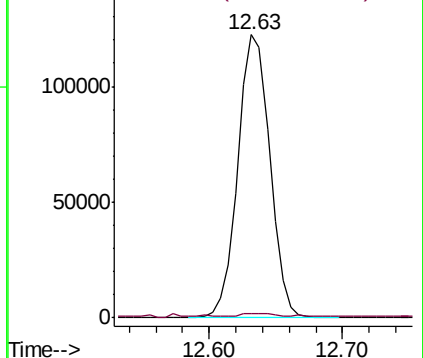
75 100

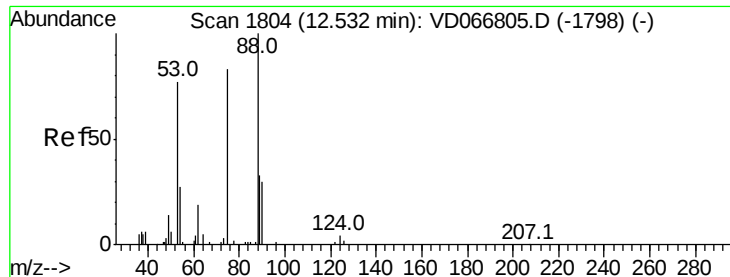
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

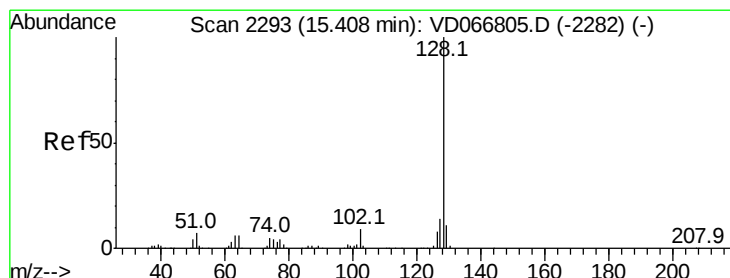
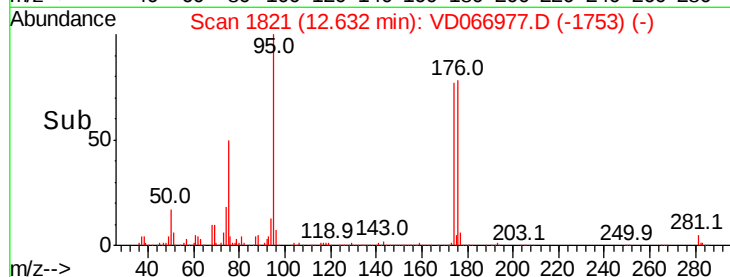
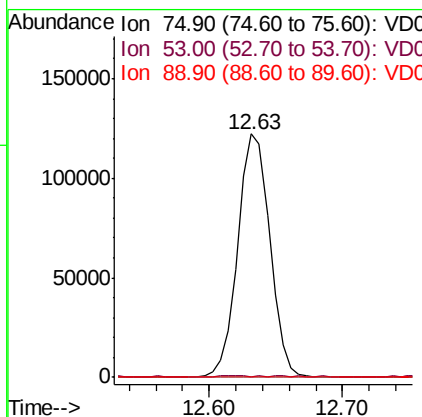
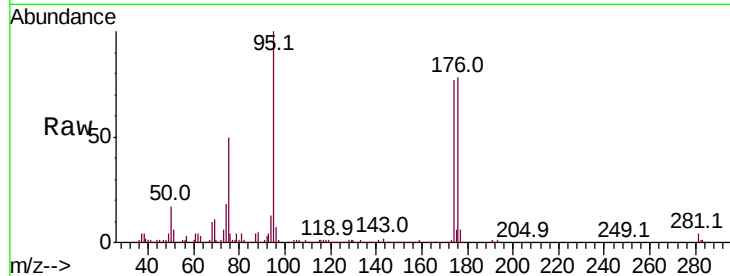




#81
trans-1,4-Dichloro-2-butene
Concen: 145.244 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.10 min
Lab File: VD066977.D
Acq: 30 Sep 2020 16:48

Instrument :
MSVOA_D
ClientSampleId :
B-14(9-11)

Tot Ion: 75 Resp: 203060
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.4 38.1 57.1#



#95
Naphthalene
Concen: 3.960 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD066977.D
Acq: 30 Sep 2020 16:48

Tgt Ion: 128 Resp: 51011
Ion Ratio Lower Upper
128 100
127 14.6 10.6 16.0
129 13.2 8.9 13.3

