

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066671.D
 Acq On : 14 Sep 2020 14:15
 Operator : VA/SY
 Sample : L3928-05
 Misc : 7.22G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 15 01:25:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	470851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	819312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	774847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	355056	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	271794	47.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.42%	
35) Dibromofluoromethane	7.91	113	260420	47.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.24%	
50) Toluene-d8	10.34	98	1004705	50.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.63	95	357636	54.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.20%	

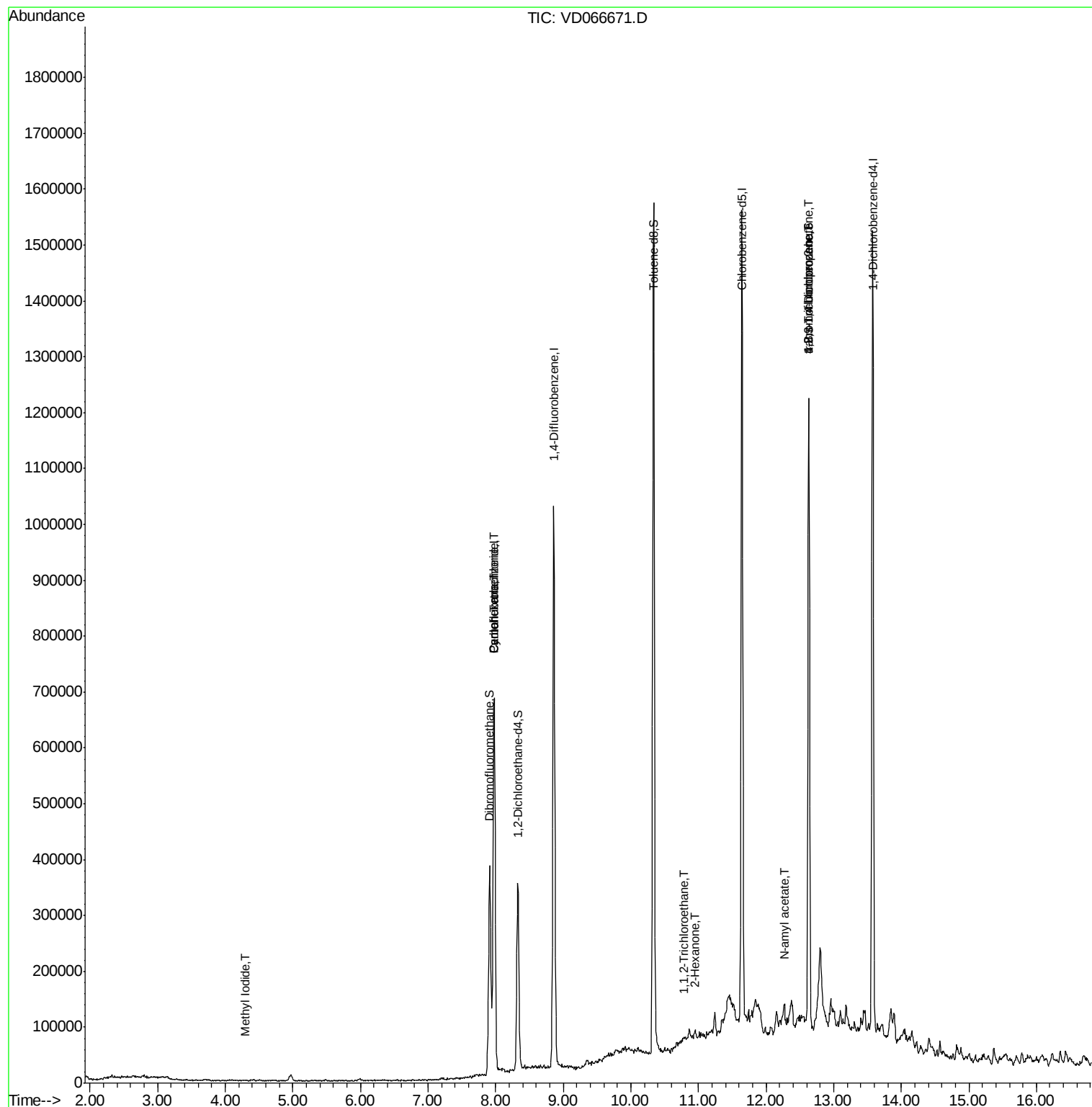
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	579	Below Cal		83
5) Bromomethane	2.77	94	479	Below Cal	#	63
10) Methyl Iodide	4.29	142	501	4.119	ug/l #	62
20) Methylene Chloride	4.97	84	8549	Below Cal		85
31) Cyclohexane	7.98	56	14858	1.599	ug/l #	32
38) Carbon Tetrachloride	7.97	117	51875	5.756	ug/l #	20
55) 1,1,2-Trichloroethane	10.78	97	4385	1.053	ug/l #	20
59) 2-Hexanone	10.94	43	5824	2.639	ug/l #	33
74) N-amyl acetate	12.27	43	9126	1.533	ug/l #	43
76) 1,2,3-Trichloropropane	12.63	75	203387	59.562	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	203387	139.057	ug/l #	7

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

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Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 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: VD066671.D

Acq: 14 Sep 2020 14:15

Instrument :

MSVOA_D

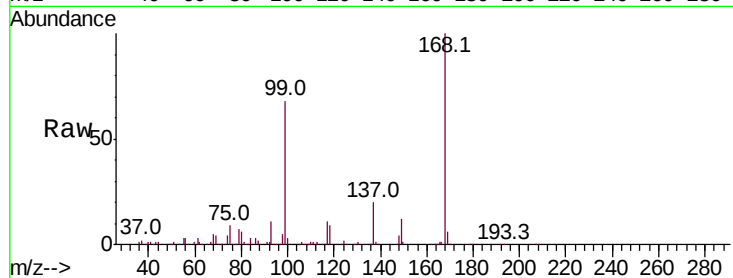
ClientSampleId :

Tot Ion:168 Resp: 470851

Ion Ratio Lower Upper

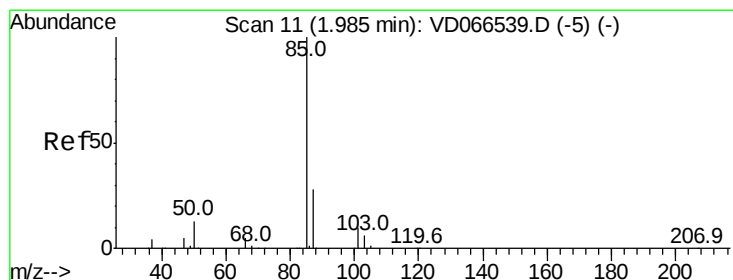
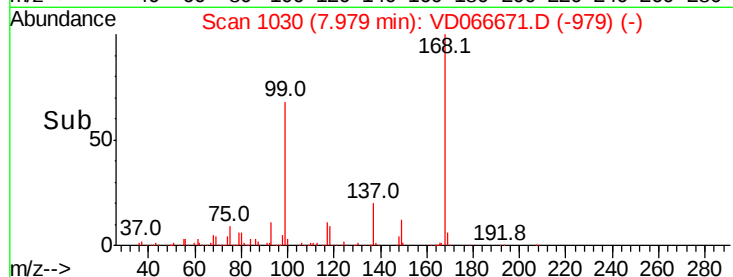
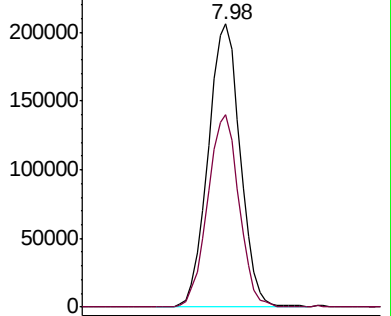
168 100

99 67.6 50.5 75.7



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# 11

Delta R.T. -0.00 min

Lab File: VD066671.D

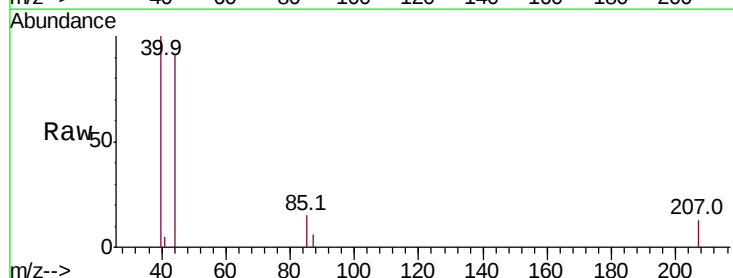
Acq: 14 Sep 2020 14:15

Tgt Ion: 85 Resp: 579

Ion Ratio Lower Upper

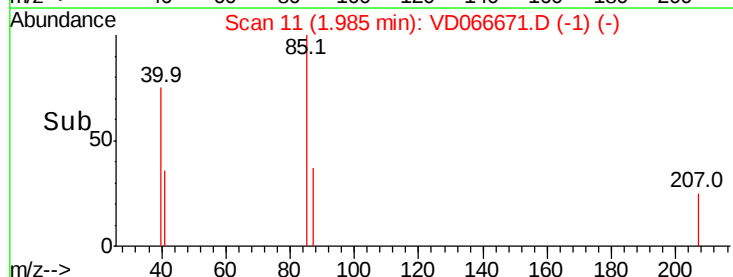
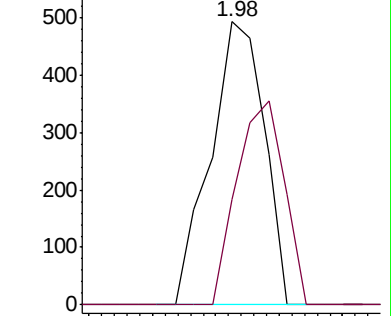
85 100

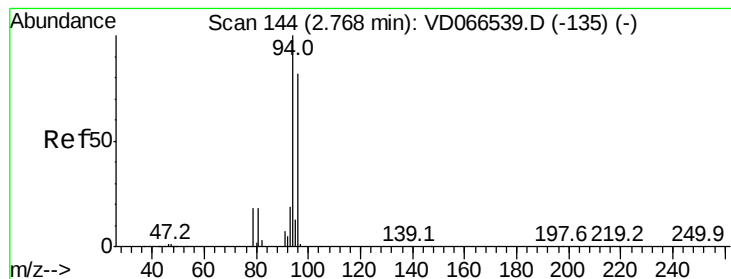
87 37.3 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066671.D

Acq: 14 Sep 2020 14:15

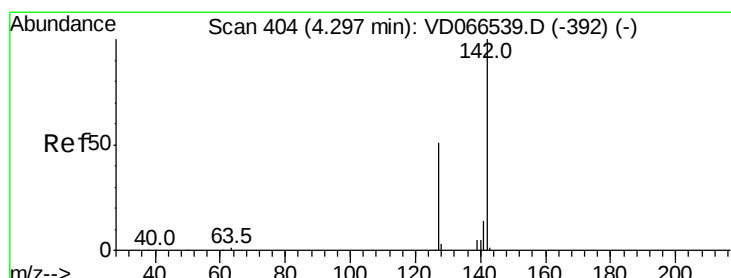
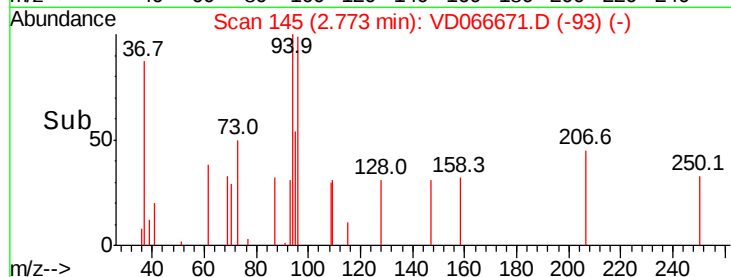
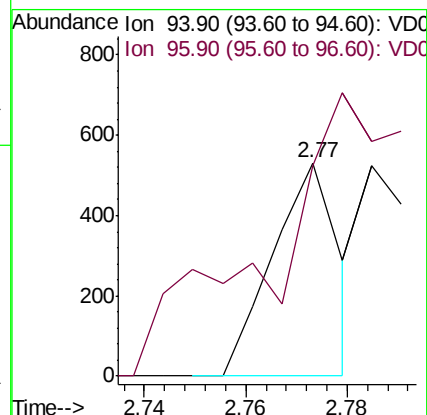
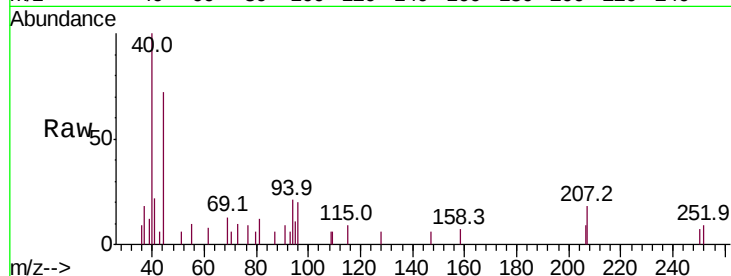
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 479

Ion Ratio Lower Upper

94 100

96 48.4 65.2 97.8#



#10

Methyl Iodide

Concen: 4.119 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD066671.D

Acq: 14 Sep 2020 14:15

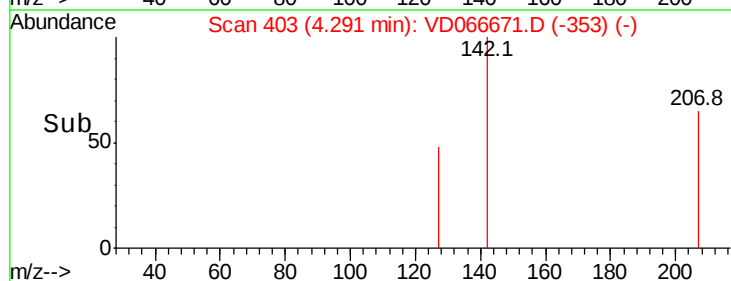
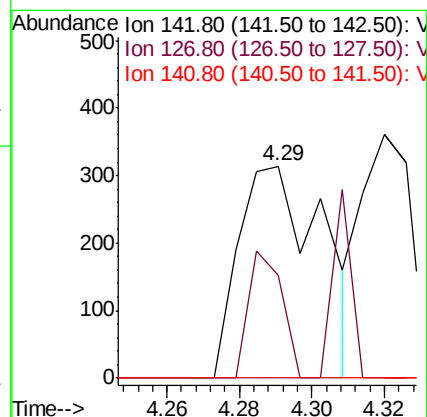
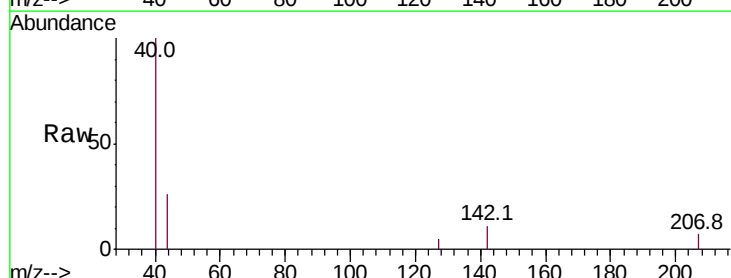
Tgt Ion: 142 Resp: 501

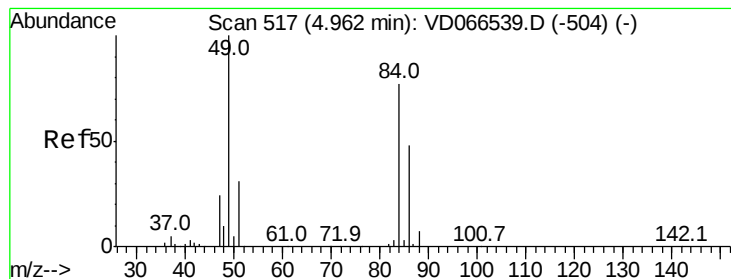
Ion Ratio Lower Upper

142 100

127 24.0 40.6 61.0#

141 0.0 12.2 18.4#





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066671.D

Acq: 14 Sep 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 8549

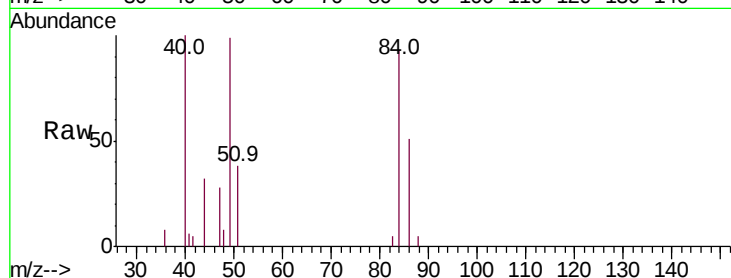
Ion Ratio Lower Upper

84 100

49 106.2 104.3 156.5

51 41.1 32.2 48.4

86 54.5 50.0 75.0

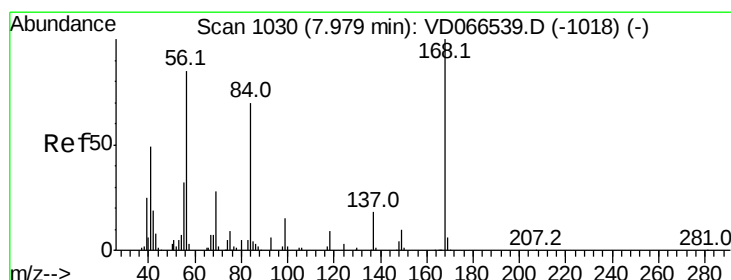
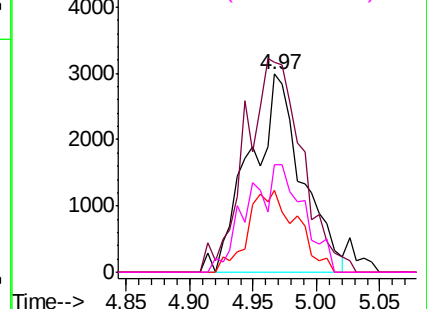
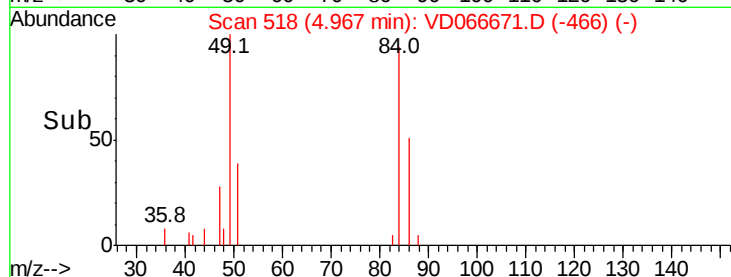


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.599 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066671.D

Acq: 14 Sep 2020 14:15

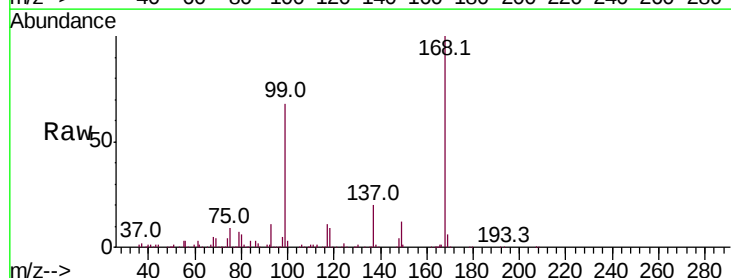
Tgt Ion: 56 Resp: 14858

Ion Ratio Lower Upper

56 100

69 127.3 26.3 39.5#

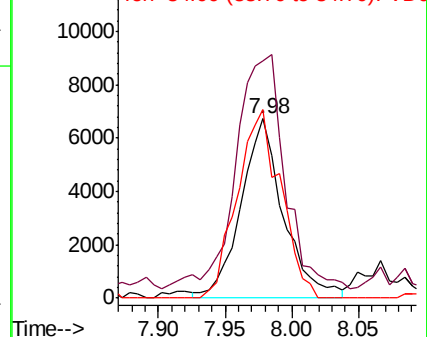
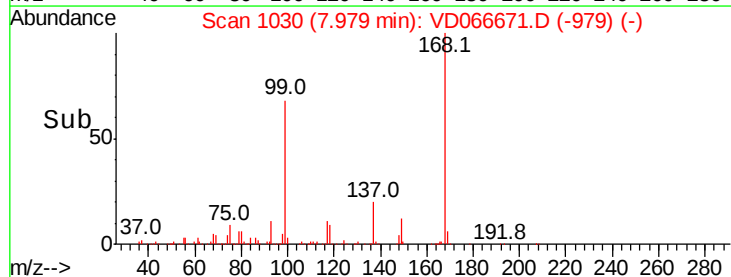
84 108.5 66.1 99.1#

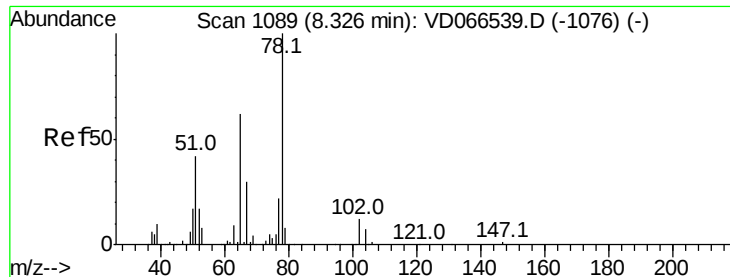


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 47.710 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066671.D

Acq: 14 Sep 2020 14:15

Instrument :

MSVOA_D

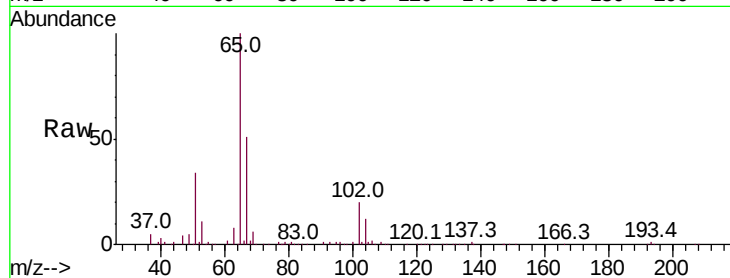
ClientSampleId :

Tot Ion: 65 Resp: 271794

Ion Ratio Lower Upper

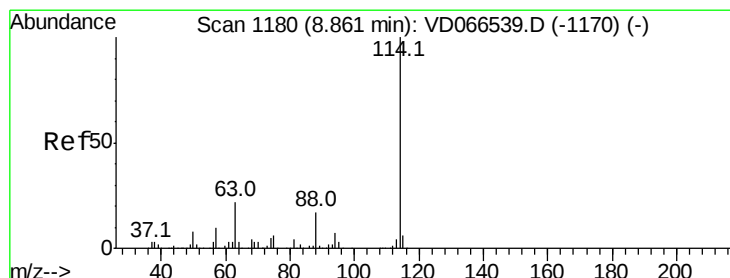
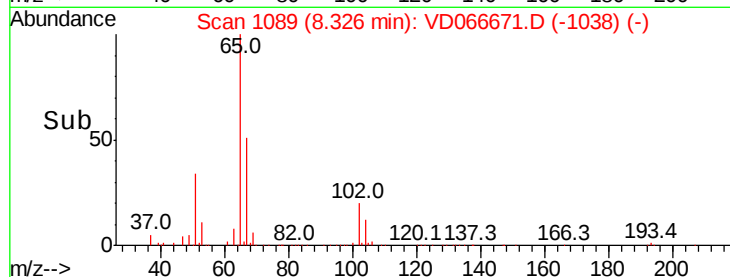
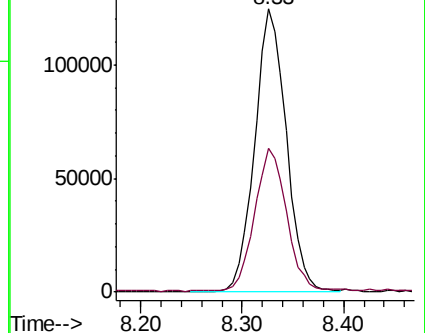
65 100

67 49.9 0.0 102.8



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: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066671.D

Acq: 14 Sep 2020 14:15

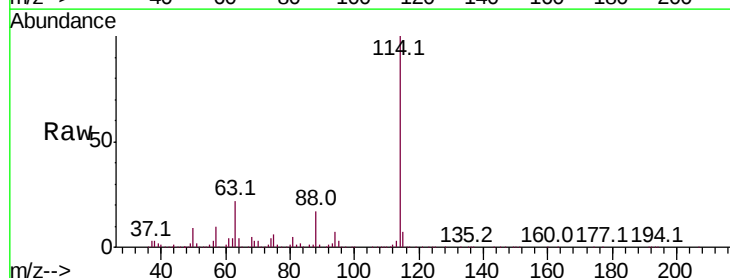
Tgt Ion:114 Resp: 819312

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.2

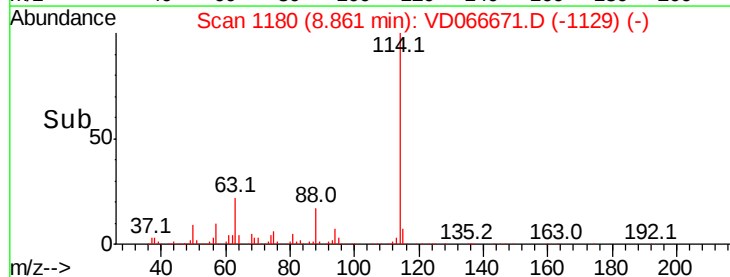
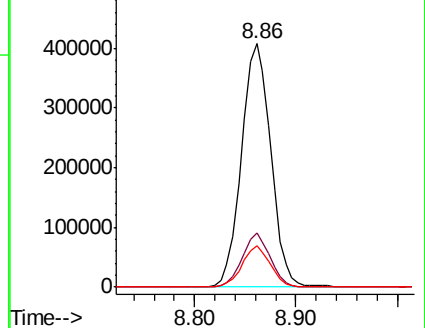
88 16.8 0.0 33.2

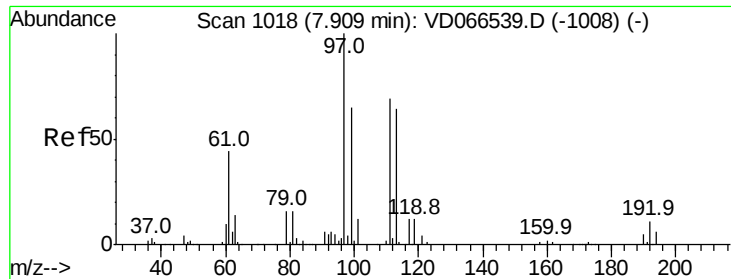


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

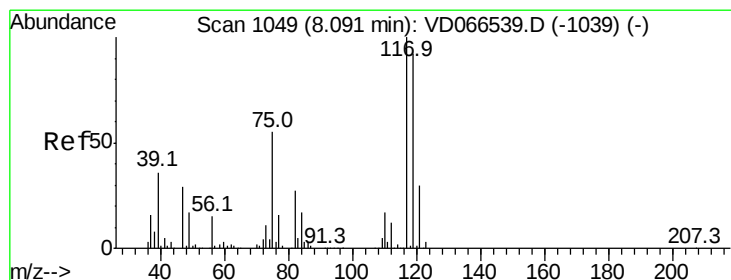
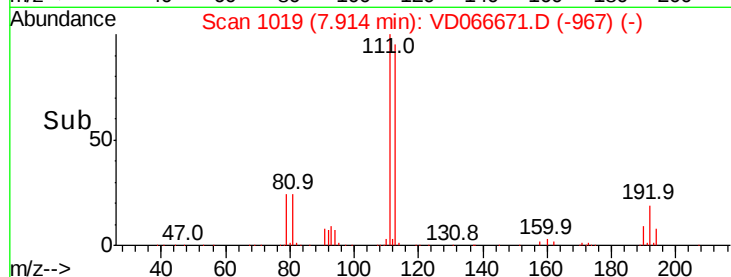
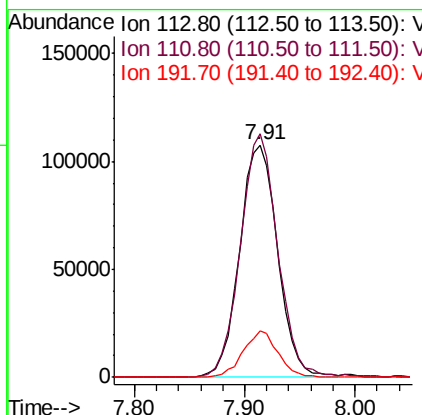
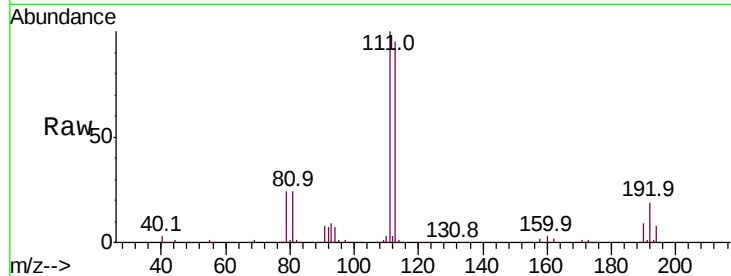




#35
Dibromofluoromethane
Concen: 47.116 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066671.D
Acq: 14 Sep 2020 14:15

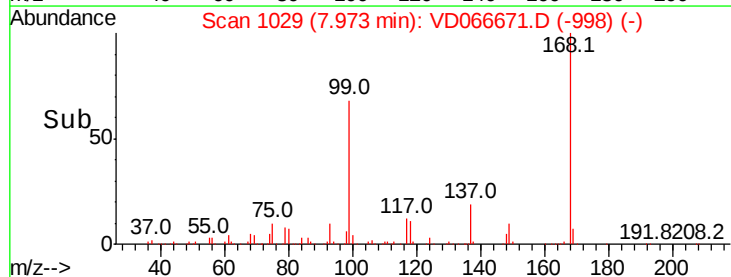
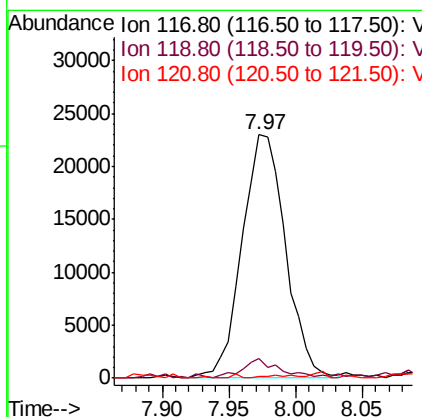
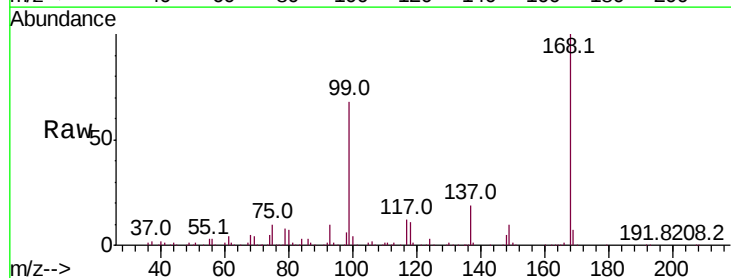
Instrument :
MSVOA_D
ClientSampled :

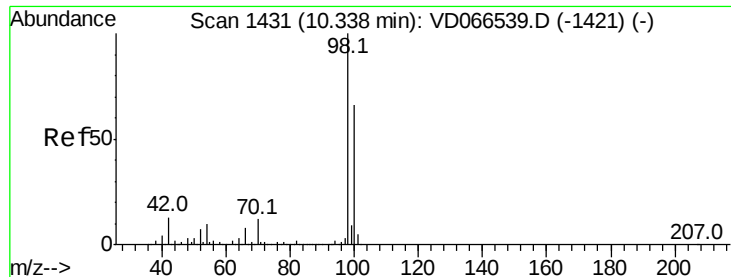
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.2	124.8
192	18.4	13.7	20.5



#38
Carbon Tetrachloride
Concen: 5.756 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066671.D
Acq: 14 Sep 2020 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	8.1	73.9	110.9#
121	0.7	24.1	36.1#





#50

Toluene-d8

Concen: 50.859 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066671.D

Acq: 14 Sep 2020 14:15

Instrument :

MSVOA_D

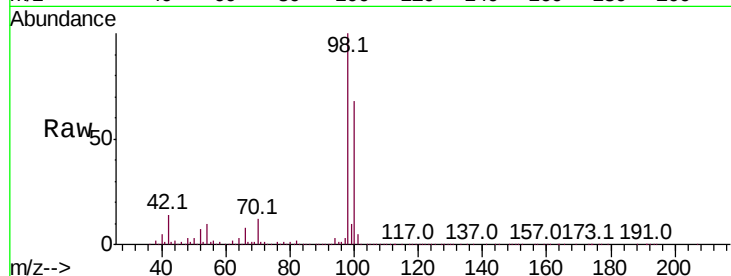
ClientSampled :

Tot Ion: 98 Resp: 1004705

Ion Ratio Lower Upper

98 100

100 65.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

600000

500000

400000

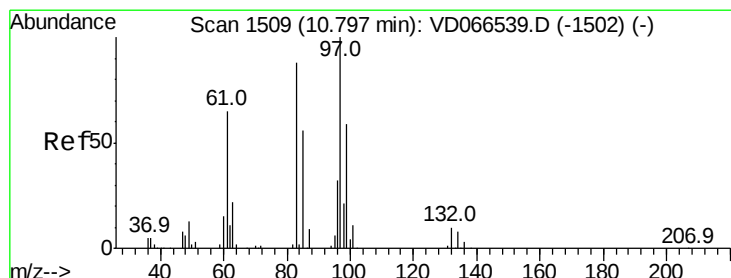
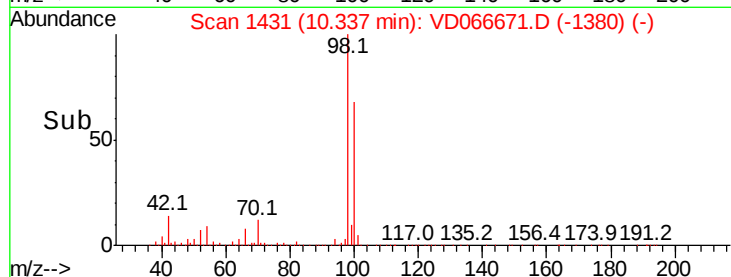
300000

200000

100000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 1.053 ug/l

RT: 10.78 min Scan# 1506

Delta R.T. -0.02 min

Lab File: VD066671.D

Acq: 14 Sep 2020 14:15

Tgt Ion: 97 Resp: 4385

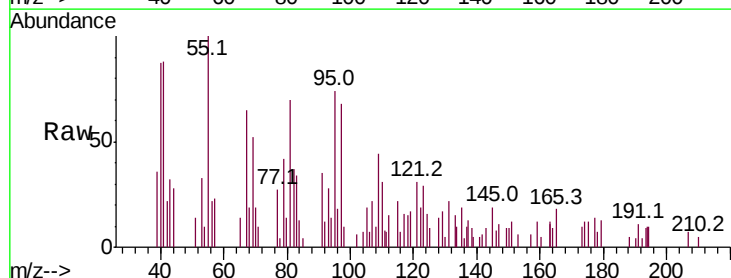
Ion Ratio Lower Upper

97 100

83 10.2 70.1 105.1#

85 0.0 44.5 66.7#

99 0.0 47.1 70.7#



Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

4000

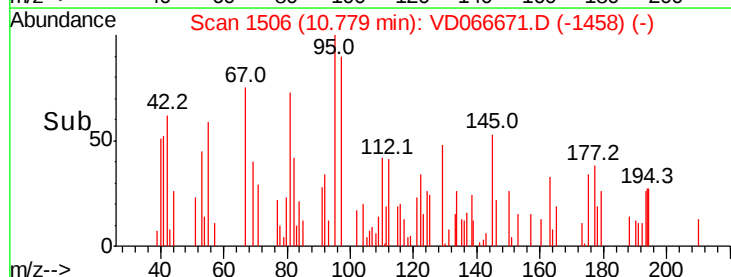
3000

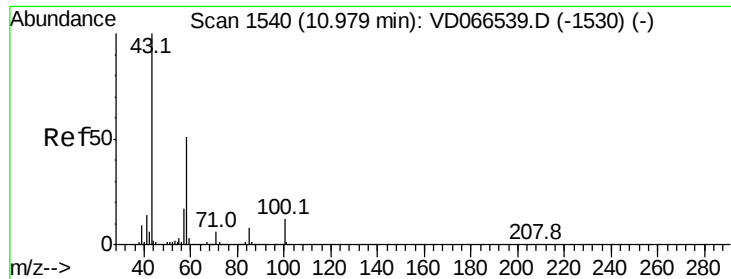
2000

1000

0

Time-->





#59

2-Hexanone

Concen: 2.639 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.04 min

Lab File: VD066671.D

Acq: 14 Sep 2020 14:15

Instrument :

MSVOA_D

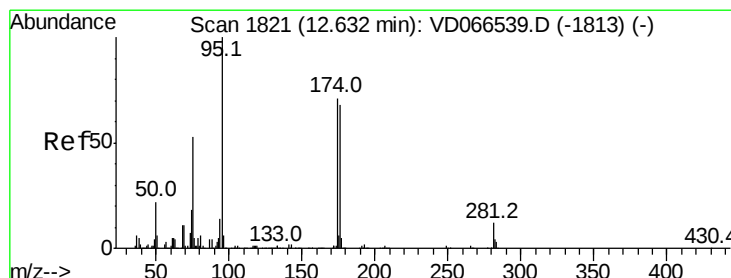
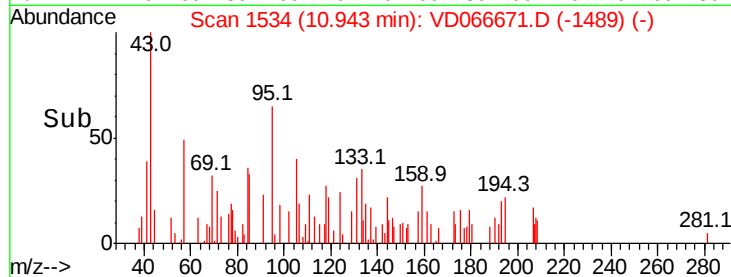
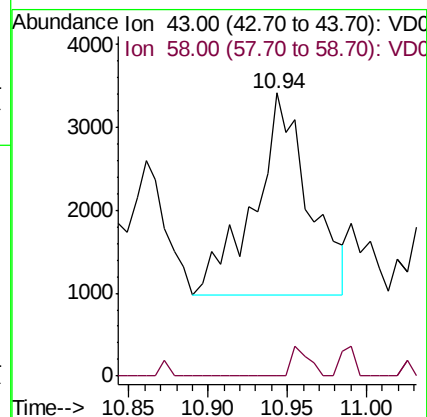
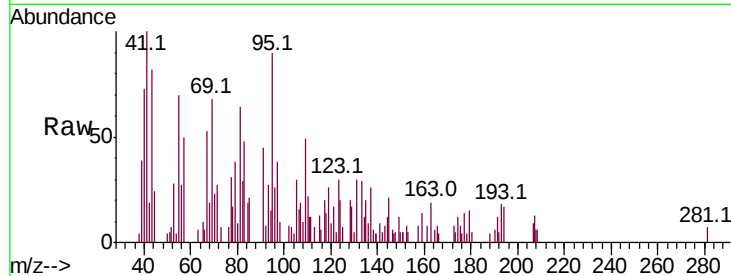
ClientSampled :

Tot Ion: 43 Resp: 5824

Ion Ratio Lower Upper

43 100

58 4.6 25.6 76.8#



#62

4-Bromofluorobenzene

Concen: 54.597 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066671.D

Acq: 14 Sep 2020 14:15

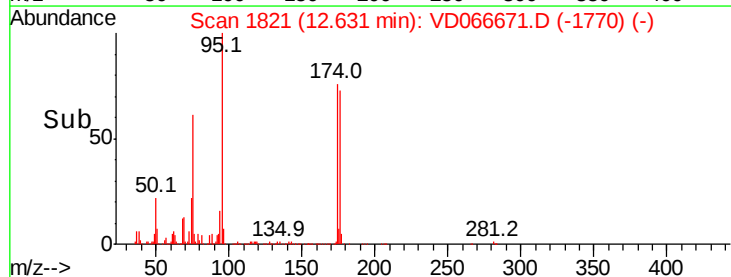
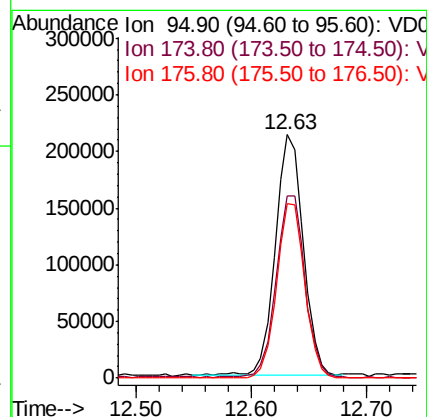
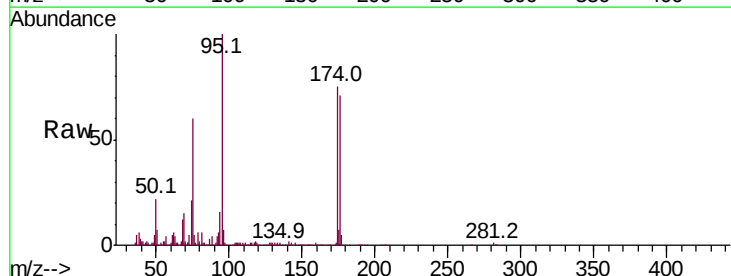
Tgt Ion: 95 Resp: 357636

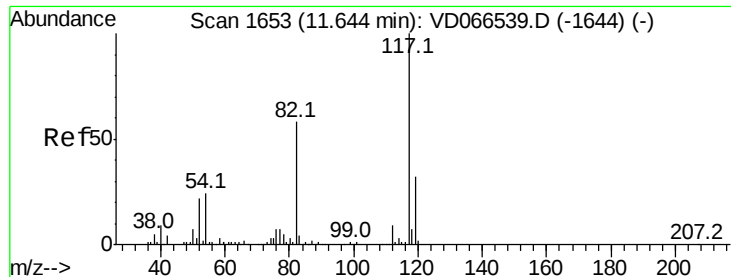
Ion Ratio Lower Upper

95 100

174 78.6 0.0 155.8

176 73.1 0.0 148.6

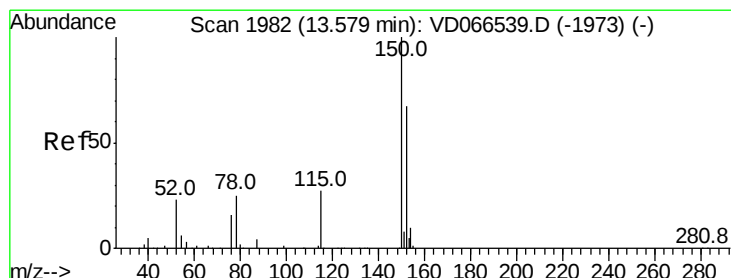
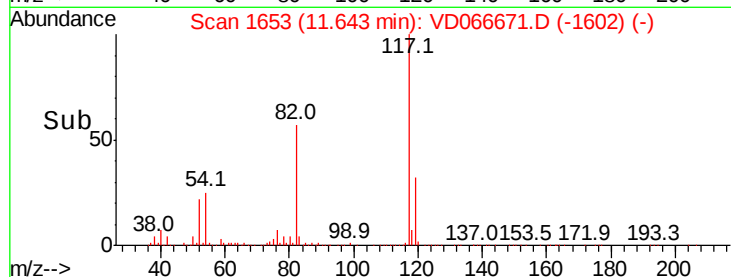
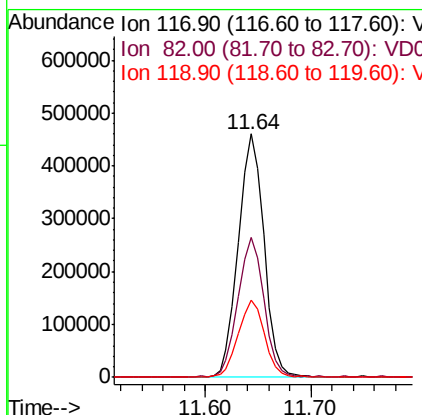
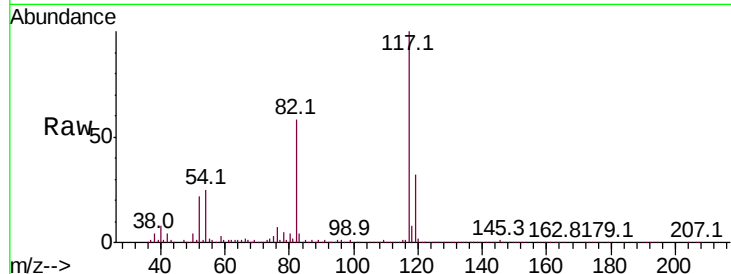




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066671.D
Acq: 14 Sep 2020 14:15

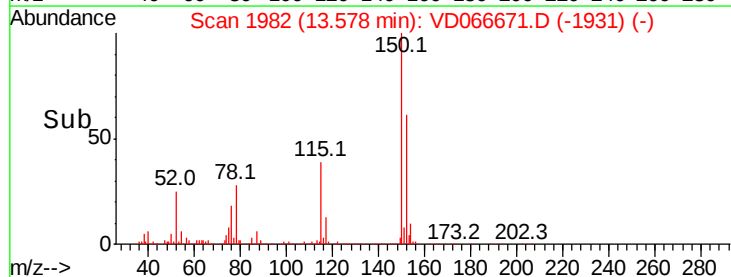
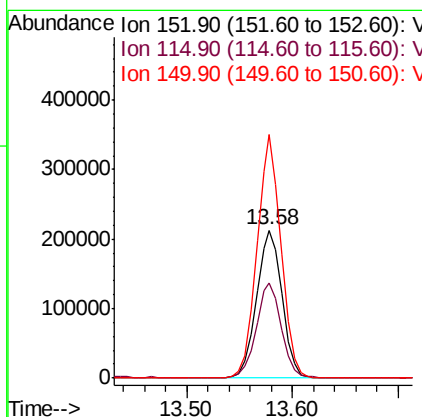
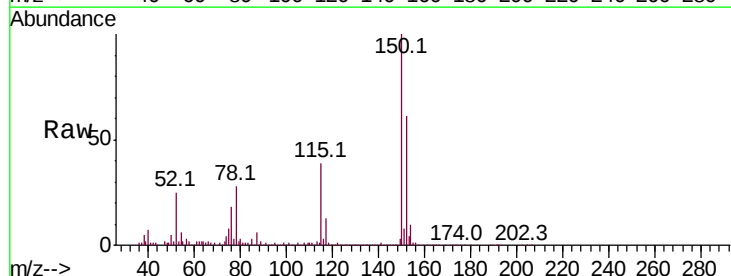
Instrument :
MSVOA_D
ClientSampleId :

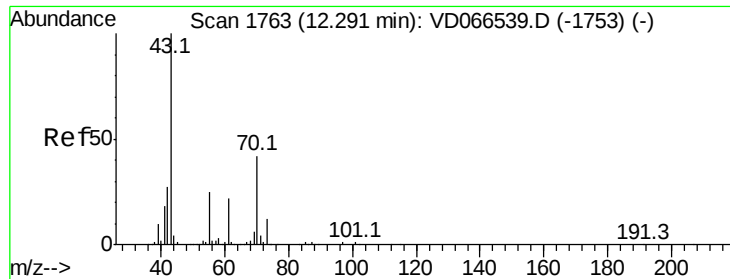
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.2	69.2
119	31.7	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066671.D
Acq: 14 Sep 2020 14:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.1	30.4	91.2
150	156.1	0.0	345.8





#74

N-amvl acetate

Concen: 1.533 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD066671.D

Acq: 14 Sep 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 9126

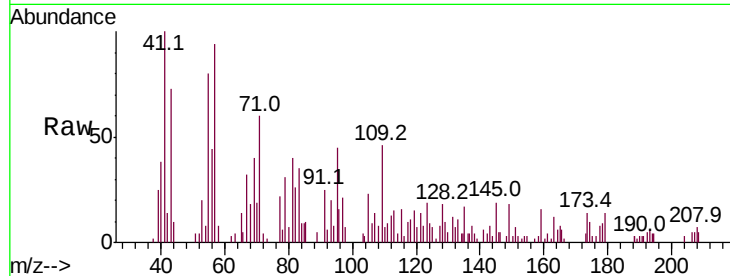
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.2#

55 0.0 20.1 30.1#

61 0.0 18.2 27.2#

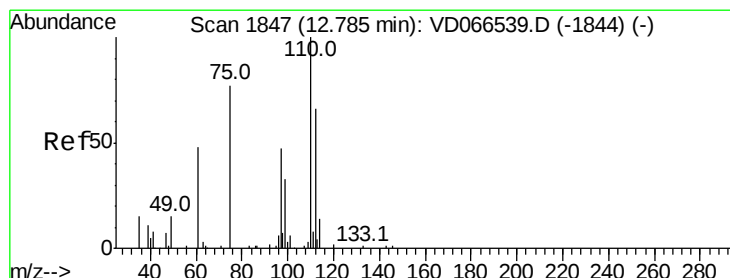
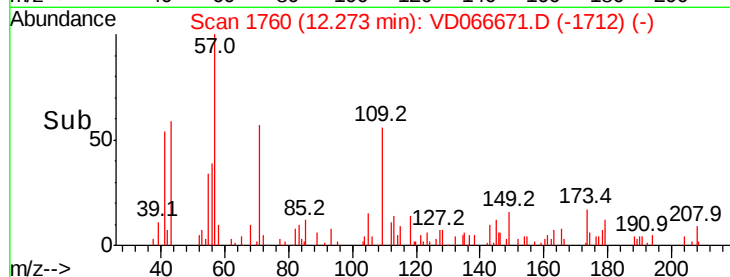
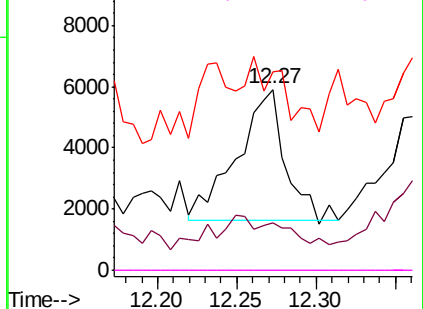


Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 59.562 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066671.D

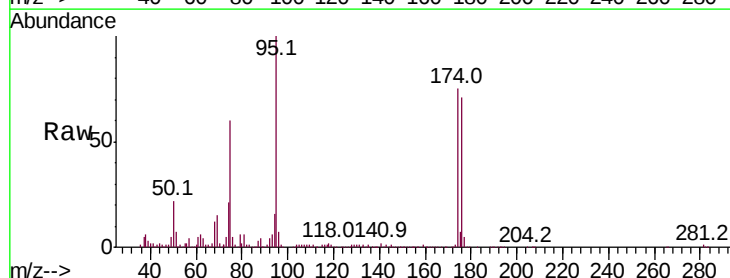
Acq: 14 Sep 2020 14:15

Tgt Ion: 75 Resp: 203387

Ion Ratio Lower Upper

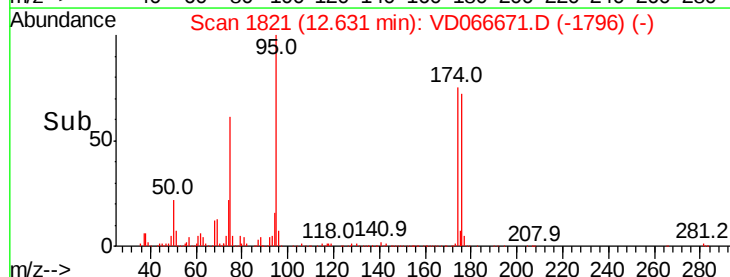
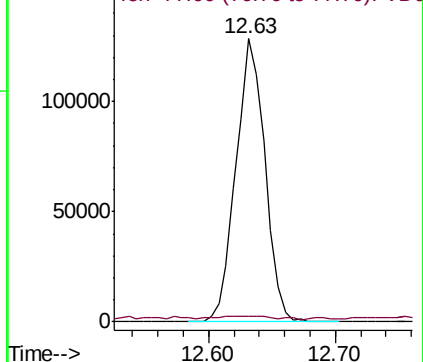
75 100

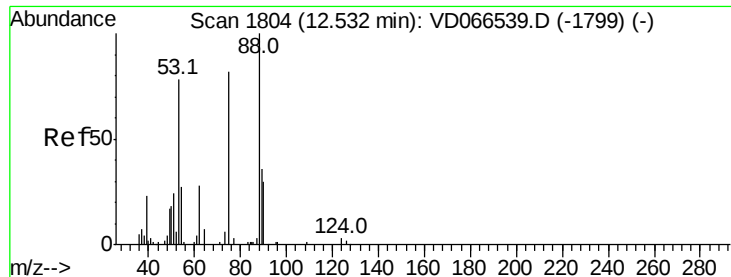
77 1.8 0.0 0.0#



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: 139.057 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066671.D

Acq: 14 Sep 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

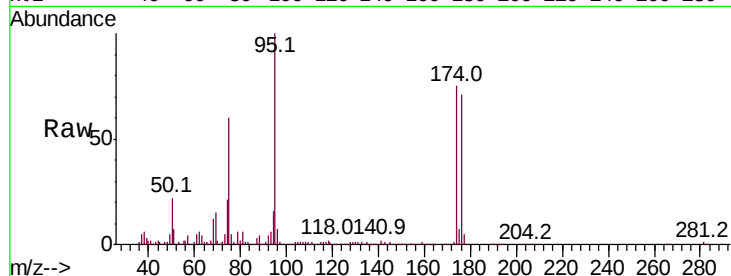
Tot Ion: 75 Resp: 203387

Ion Ratio Lower Upper

75 100

53 0.0 87.0 130.4#

89 0.2 37.1 55.7#



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

