

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066551.D
 Acq On : 03 Sep 2020 23:13
 Operator : VA/SY
 Sample : L3888-13
 Misc : 6.94G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 9-2-TP-4

Quant Time: Sep 04 05:55:55 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	7.97	168	344729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	639292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	582930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	247399	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	231068	55.40	ug/l	0.00
Spiked Amount			Recovery	=	110.80%	
35) Dibromofluoromethane	7.91	113	221596	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
50) Toluene-d8	10.34	98	798650	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
62) 4-Bromofluorobenzene	12.63	95	235951	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	

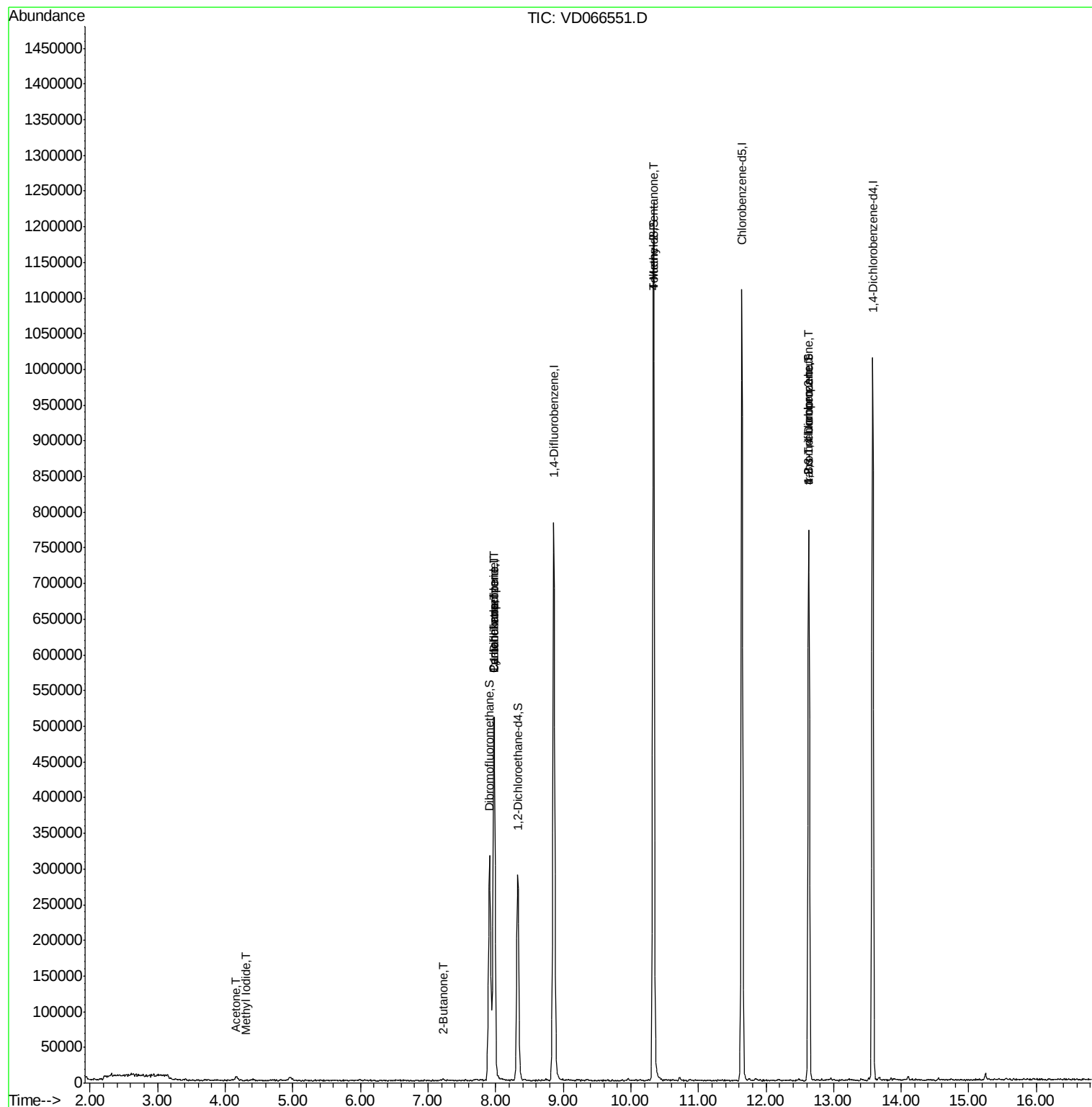
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	540	Below Cal	#	46
5) Bromomethane	2.78	94	873	Below Cal	#	58
10) Methyl Iodide	4.31	142	249	4.088	ug/l #	59
16) Acetone	4.16	43	9948	12.963	ug/l #	73
20) Methylene Chloride	4.96	84	3345	Below Cal	#	72
25) 2-Butanone	7.21	43	2610	2.534	ug/l #	62
31) Cyclohexane	7.97	56	10345	1.520	ug/l #	8
36) 1,1-Dichloropropene	7.98	75	31883	4.792	ug/l #	51
38) Carbon Tetrachloride	7.97	117	39695	5.645	ug/l #	19
51) 4-Methyl-2-Pentanone	10.33	43	4489	1.753	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	133902	56.278	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	133902	131.388	ug/l #	7

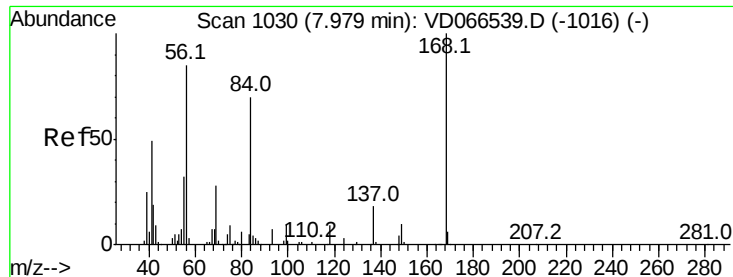
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090320\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066551.D

Acq: 03 Sep 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

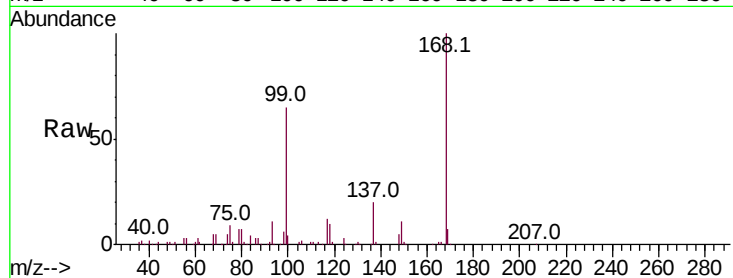
9-2-TP-4

Tot Ion:168 Resp: 344729

Ion Ratio Lower Upper

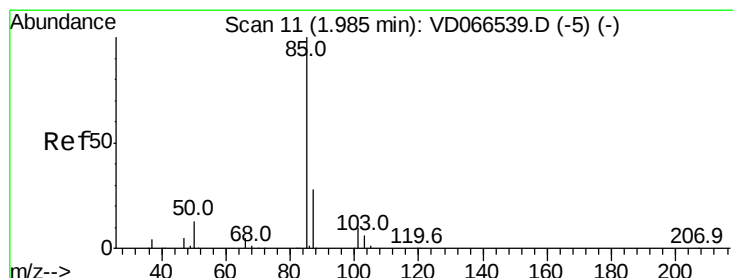
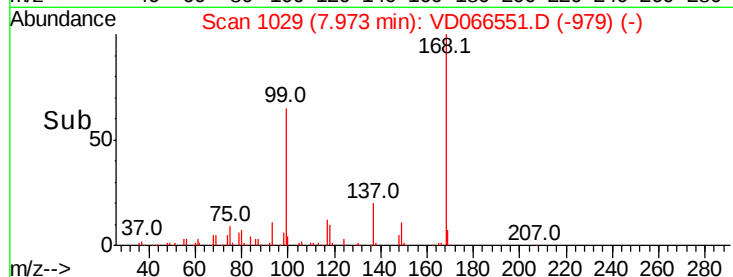
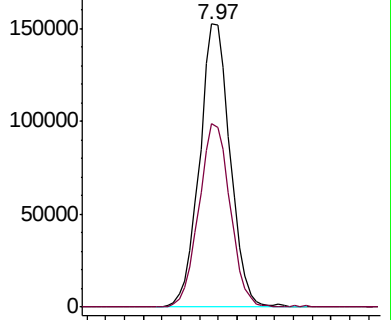
168 100

99 64.4 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: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066551.D

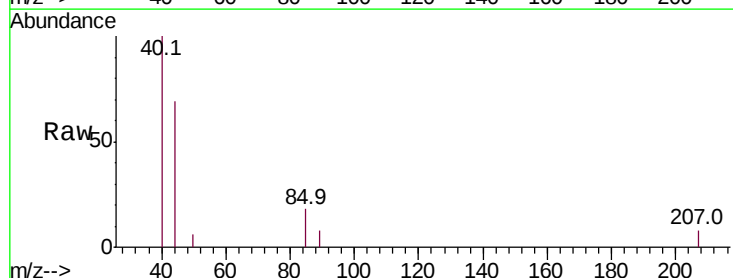
Acq: 03 Sep 2020 23:13

Tgt Ion: 85 Resp: 540

Ion Ratio Lower Upper

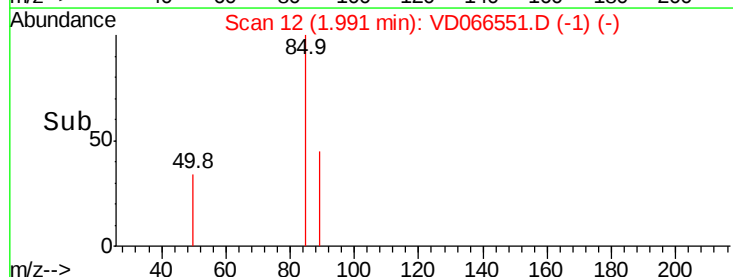
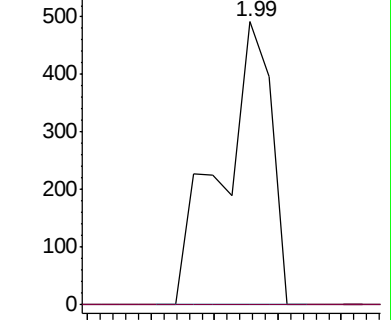
85 100

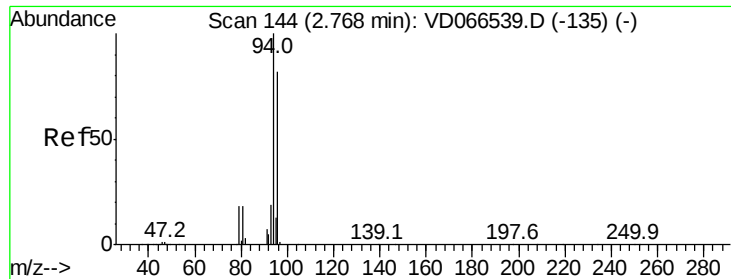
87 0.0 14.2 42.6#



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: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066551.D

Acq: 03 Sep 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

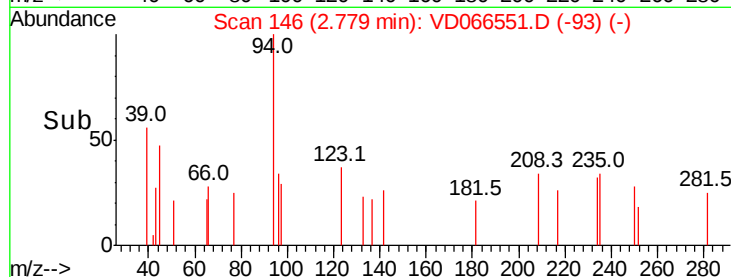
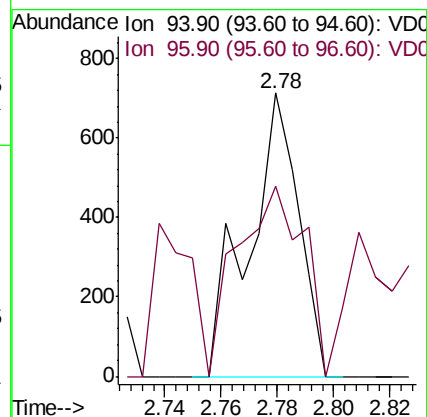
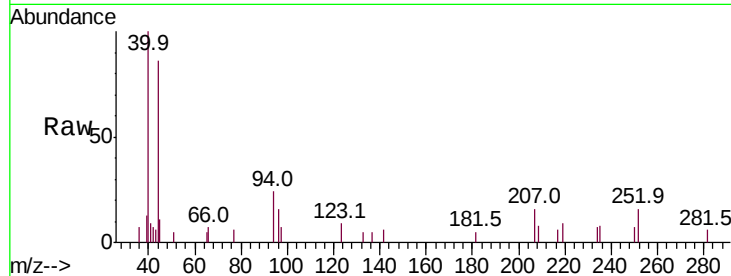
9-2-TP-4

Tot Ion: 94 Resp: 873

Ion Ratio Lower Upper

94 100

96 43.6 65.2 97.8#



#10

Methyl Iodide

Concen: 4.088 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD066551.D

Acq: 03 Sep 2020 23:13

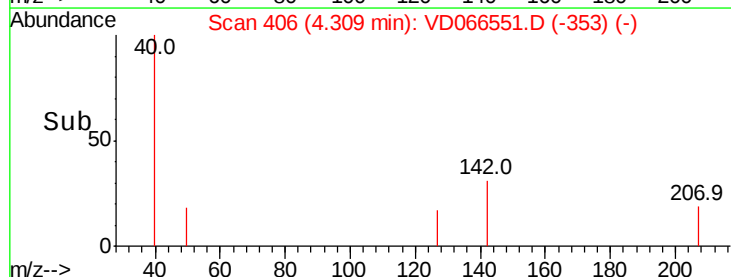
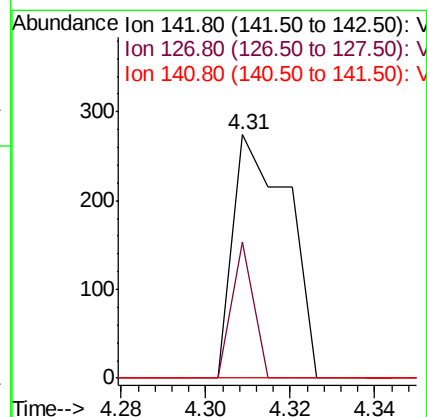
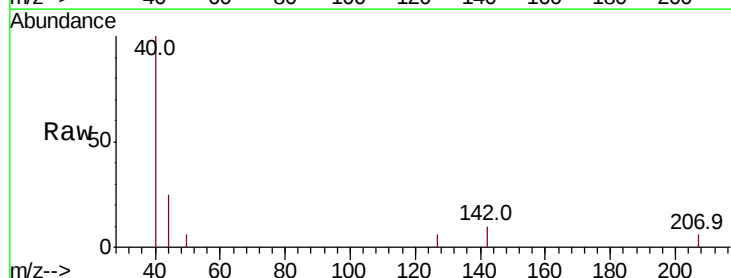
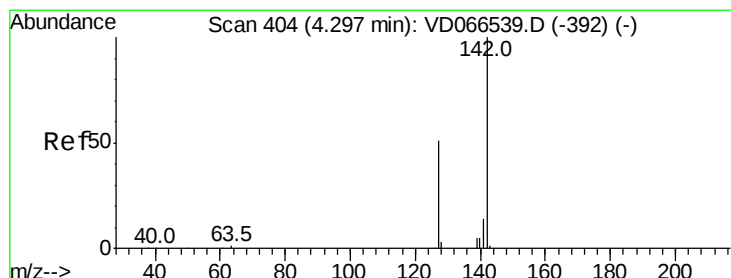
Tgt Ion: 142 Resp: 249

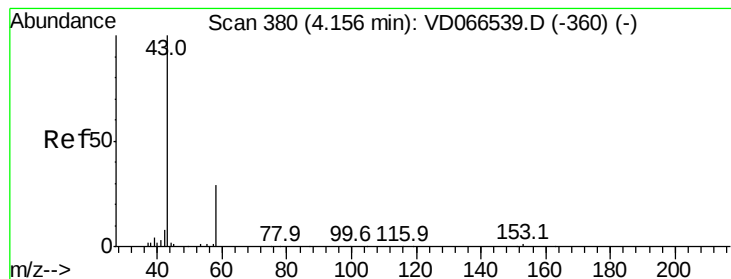
Ion Ratio Lower Upper

142 100

127 21.7 40.6 61.0#

141 0.0 12.2 18.4#





#16

Acetone

Concen: 12.963 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066551.D

Acq: 03 Sep 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

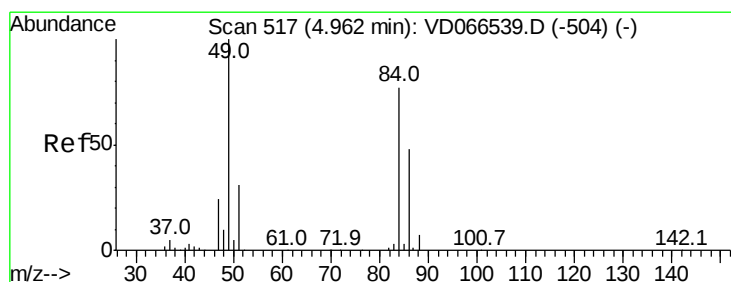
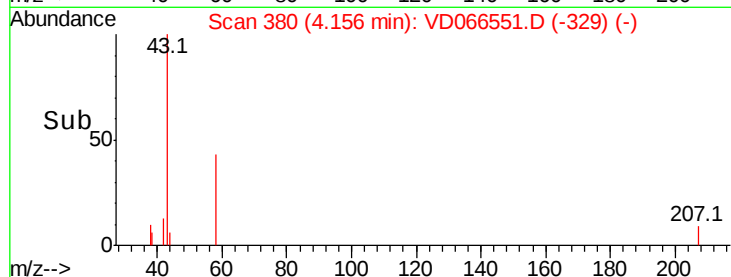
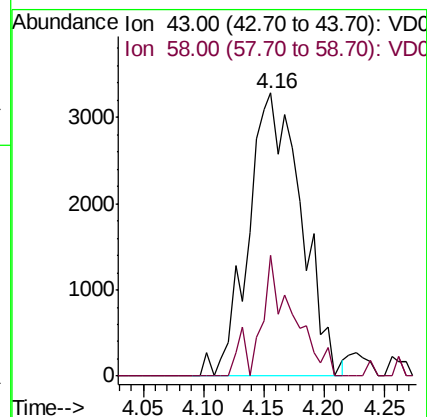
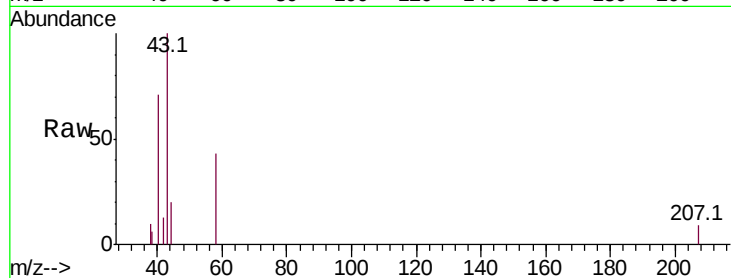
9-2-TP-4

Tot Ion: 43 Resp: 9948

Ion Ratio Lower Upper

43 100

58 42.7 22.9 34.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD066551.D

Acq: 03 Sep 2020 23:13

Tgt Ion: 84 Resp: 3345

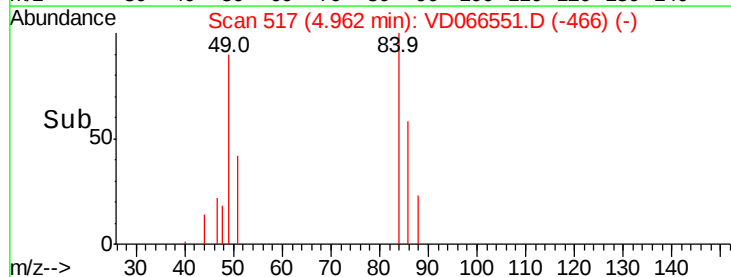
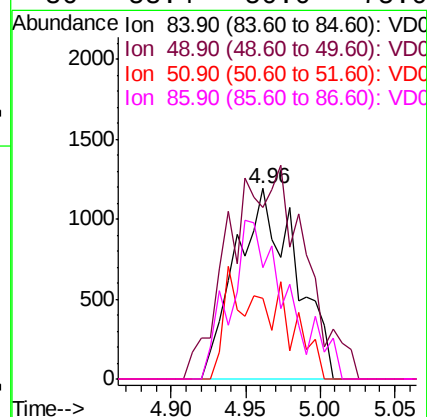
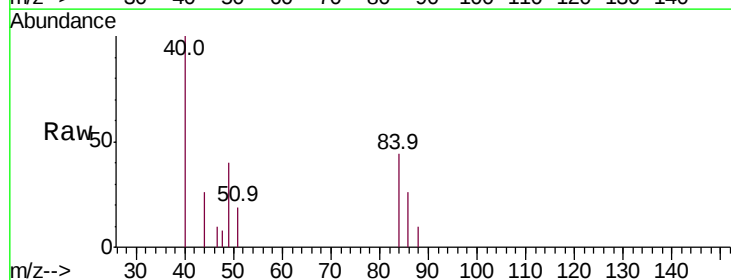
Ion Ratio Lower Upper

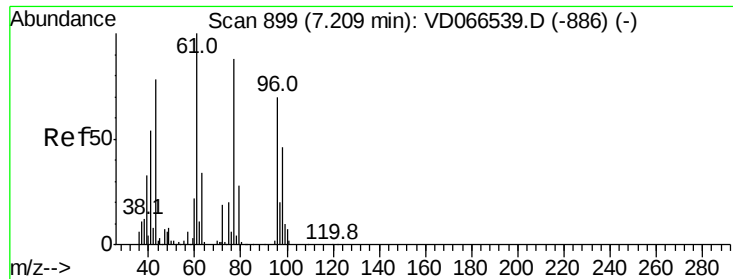
84 100

49 76.2 104.3 156.5#

51 42.1 32.2 48.4

86 58.4 50.0 75.0





#25

2-Butanone

Concen: 2.534 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066551.D

Acq: 03 Sep 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

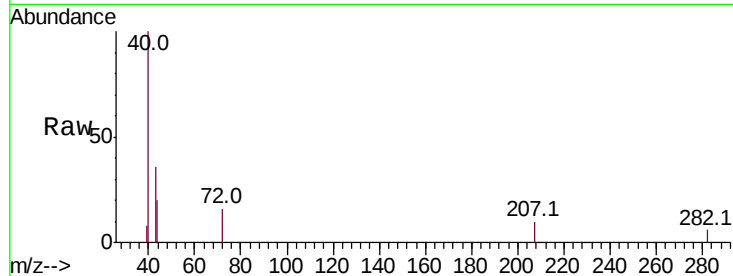
9-2-TP-4

Tot Ion: 43 Resp: 2610

Ion Ratio Lower Upper

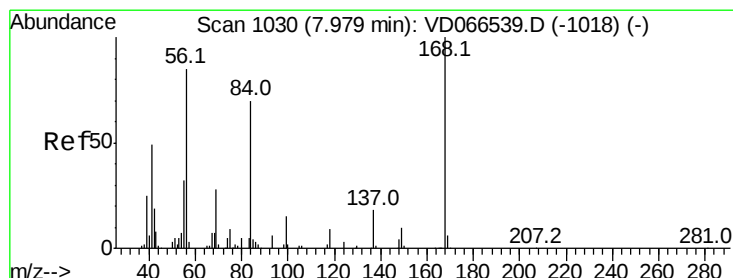
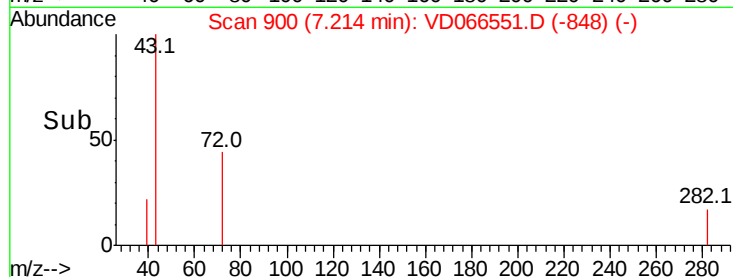
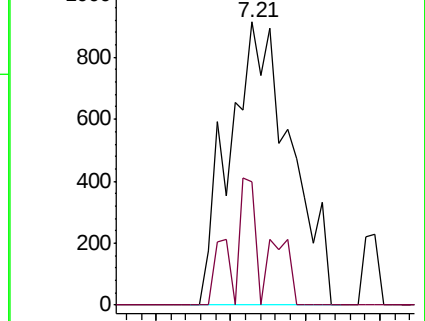
43 100

72 43.6 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.520 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066551.D

Acq: 03 Sep 2020 23:13

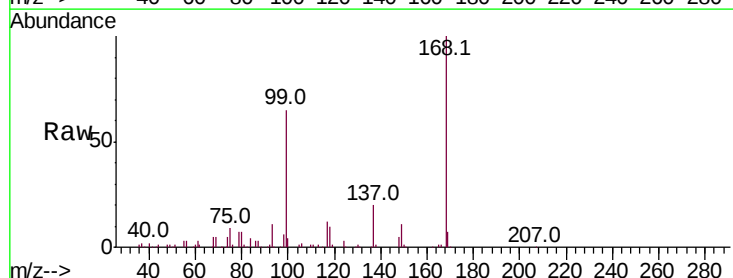
Tgt Ion: 56 Resp: 10345

Ion Ratio Lower Upper

56 100

69 154.4 26.3 39.5#

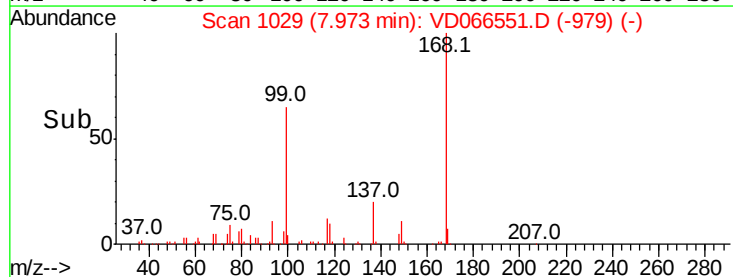
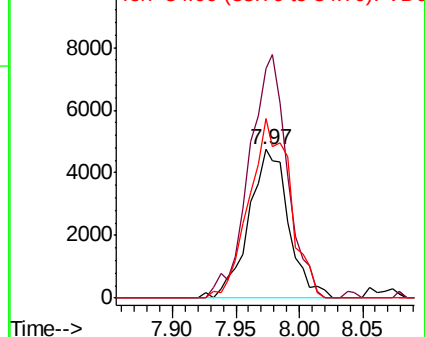
84 121.2 66.1 99.1#

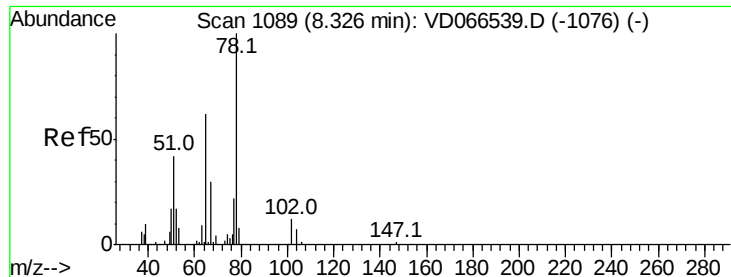


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

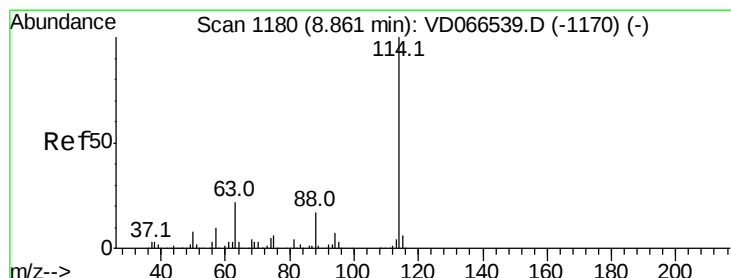
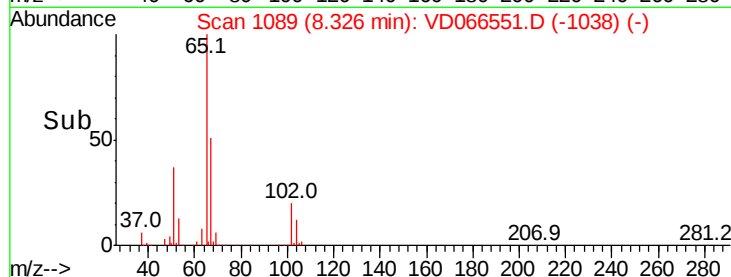
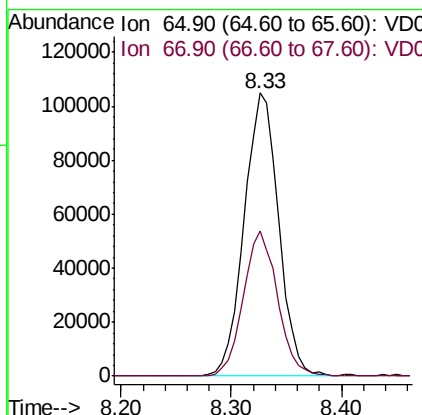
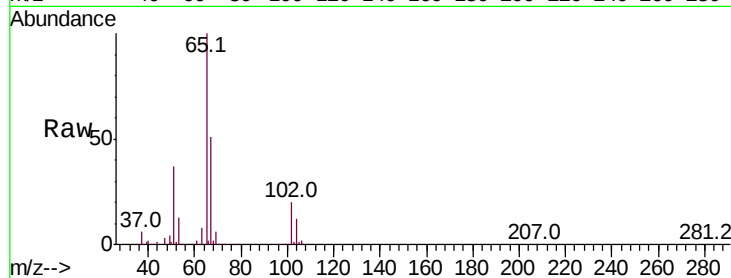




#33
 1,2-Dichloroethane-d4
 Concen: 55.400 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066551.D
 Acq: 03 Sep 2020 23:13

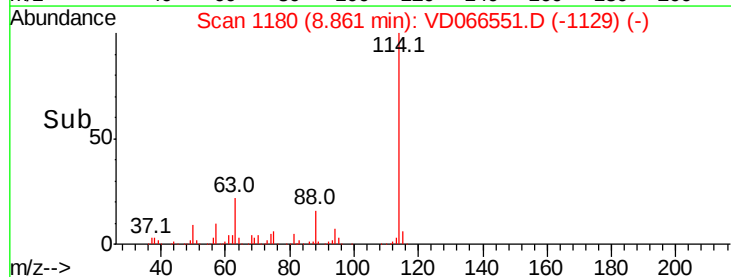
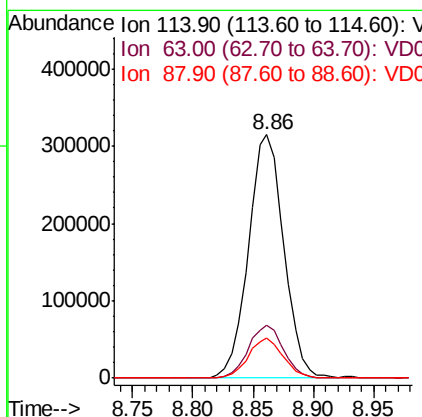
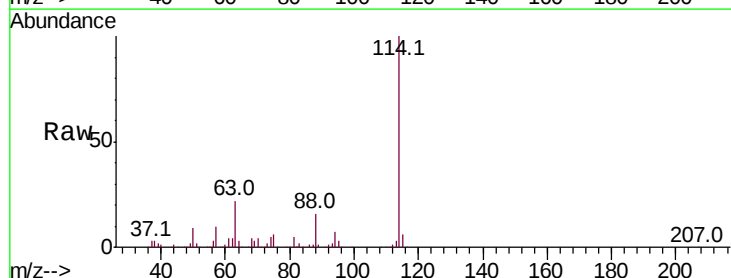
Instrument :
 MSVOA_D
 ClientSampleId :
 9-2-TP-4

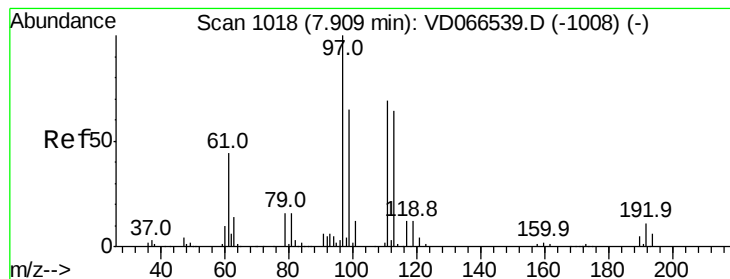
Tot Ion: 65 Resp: 231068
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066551.D
 Acq: 03 Sep 2020 23:13

Tgt Ion: 114 Resp: 639292
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 16.4 0.0 33.2

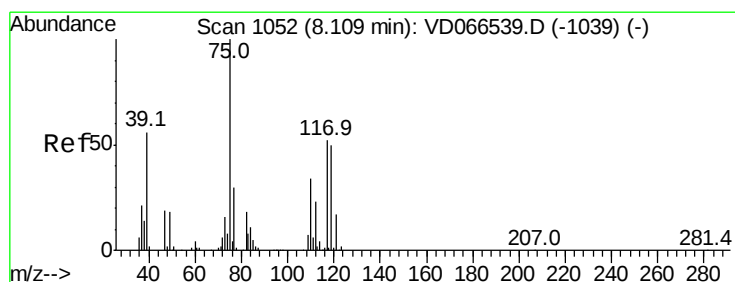
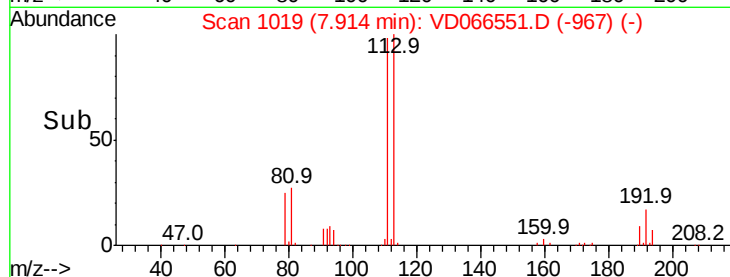
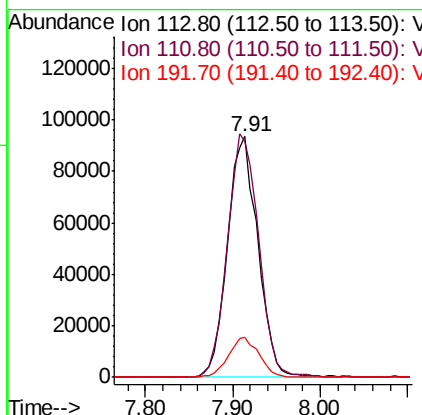
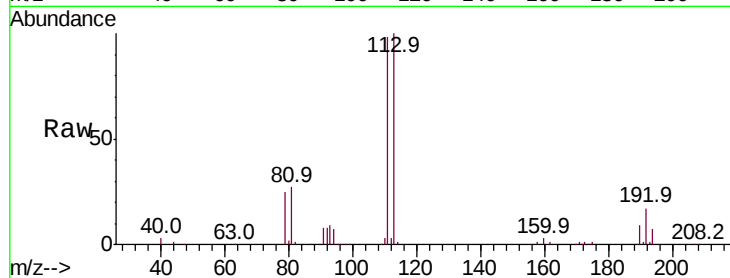




#35
 Dibromofluoromethane
 Concen: 51.382 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066551.D
 Acq: 03 Sep 2020 23:13

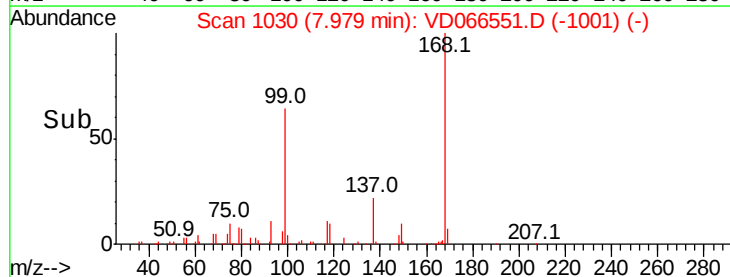
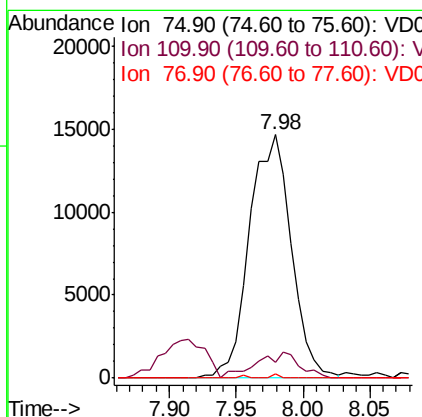
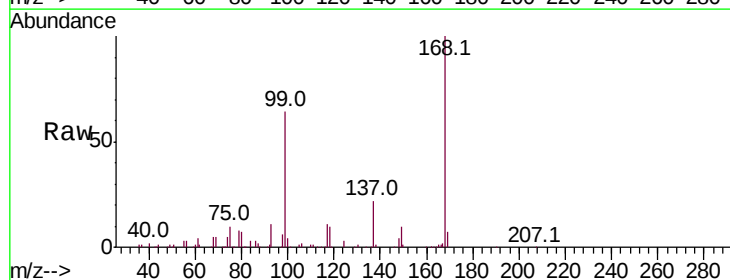
Instrument :
 MSVOA_D
 ClientSampleId :
 9-2-TP-4

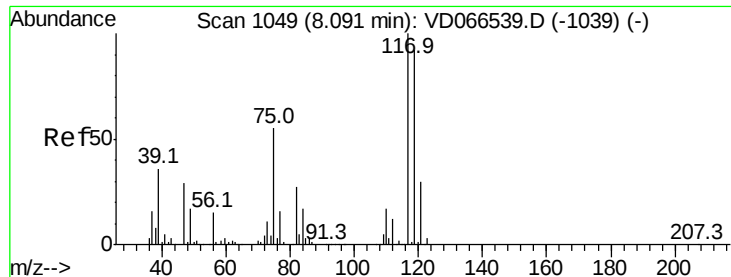
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.2	124.8
192	16.7	13.7	20.5



#36
 1,1-Dichloropropene
 Concen: 4.792 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066551.D
 Acq: 03 Sep 2020 23:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.3	52.0#
77	0.3	25.1	37.7#





#38

Carbon Tetrachloride

Concen: 5.645 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066551.D

Acq: 03 Sep 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

9-2-TP-4

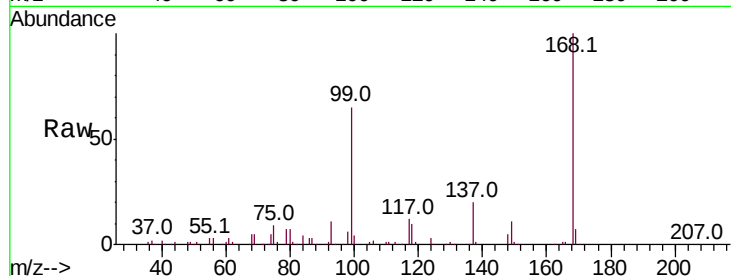
Tot Ion:117 Resp: 39695

Ion Ratio Lower Upper

117 100

119 7.1 73.9 110.9#

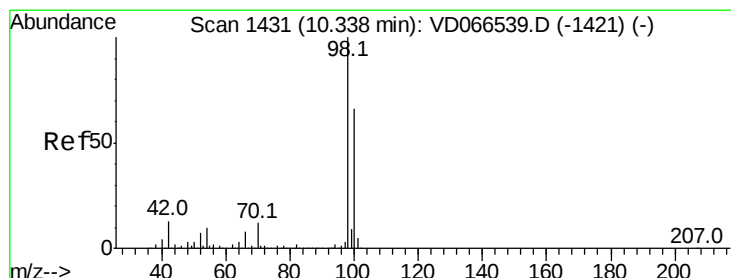
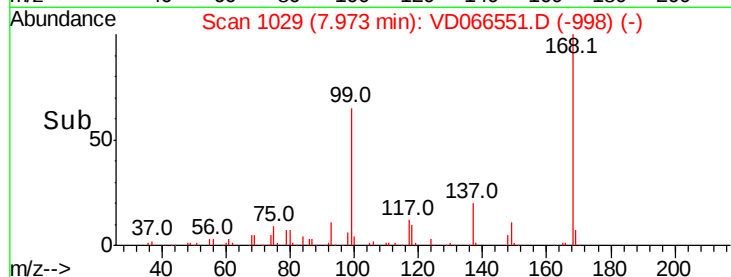
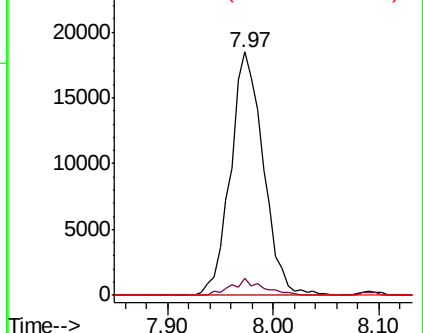
121 0.0 24.1 36.1#



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



#50

Toluene-d8

Concen: 51.812 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066551.D

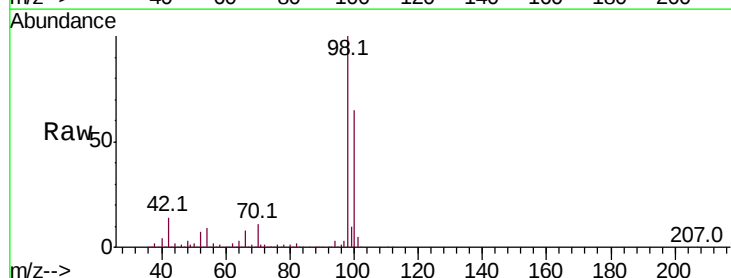
Acq: 03 Sep 2020 23:13

Tgt Ion: 98 Resp: 798650

Ion Ratio Lower Upper

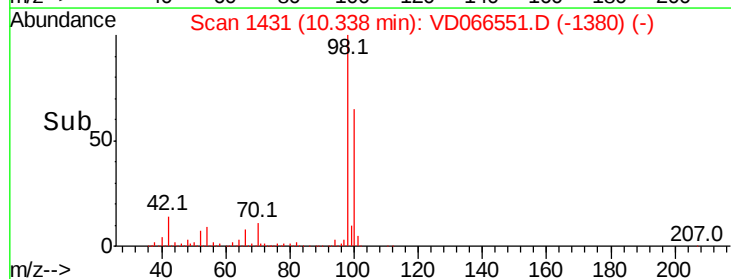
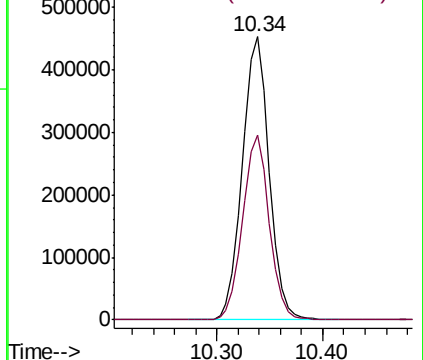
98 100

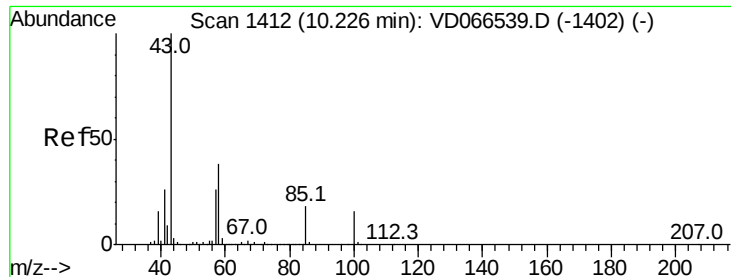
100 65.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.753 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066551.D

Acq: 03 Sep 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

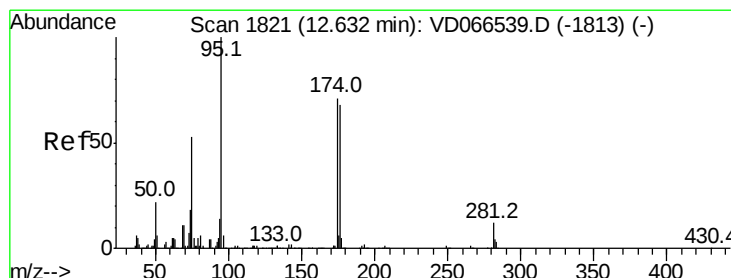
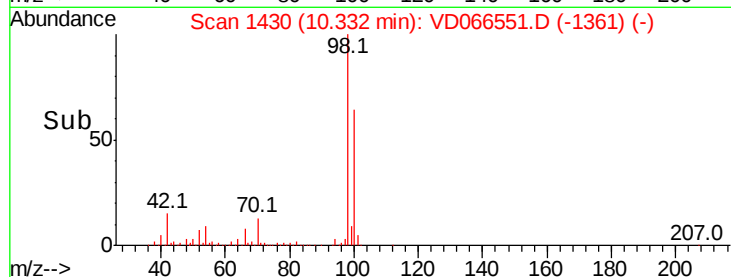
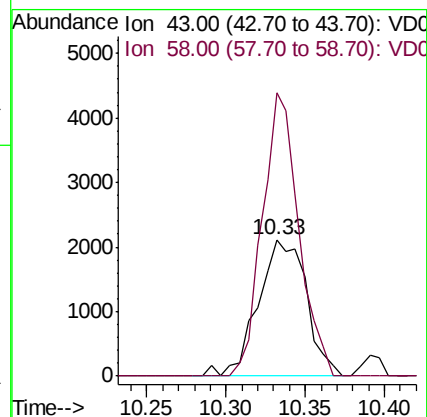
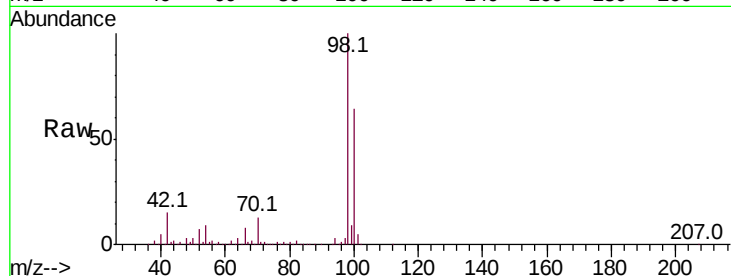
9-2-TP-4

Tot Ion: 43 Resp: 4489

Ion Ratio Lower Upper

43 100

58 156.5 30.5 45.7#



#62

4-Bromofluorobenzene

Concen: 46.163 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066551.D

Acq: 03 Sep 2020 23:13

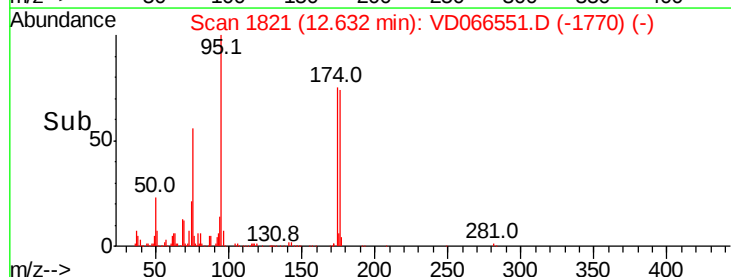
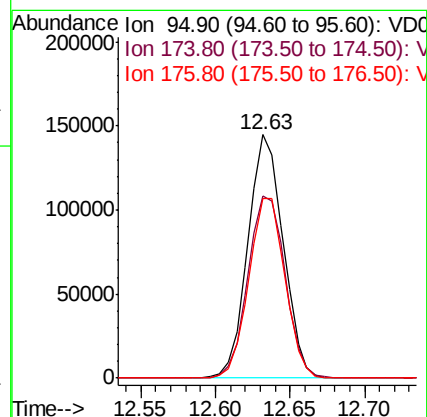
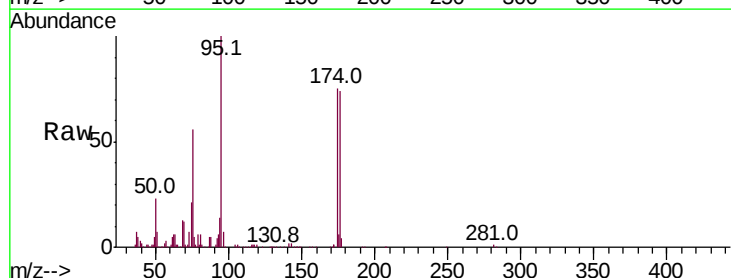
Tgt Ion: 95 Resp: 235951

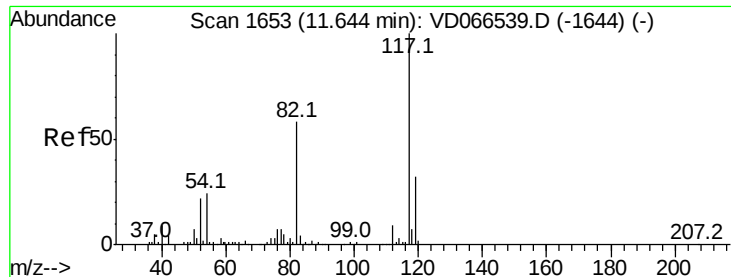
Ion Ratio Lower Upper

95 100

174 79.2 0.0 155.8

176 75.9 0.0 148.6

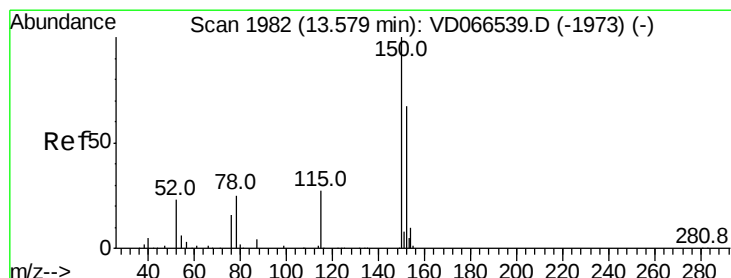
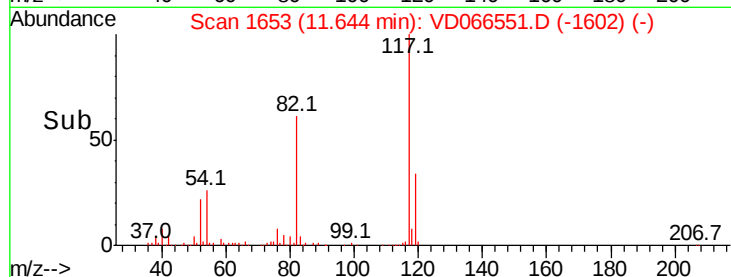
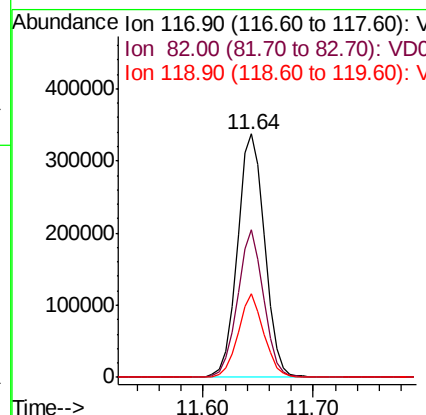
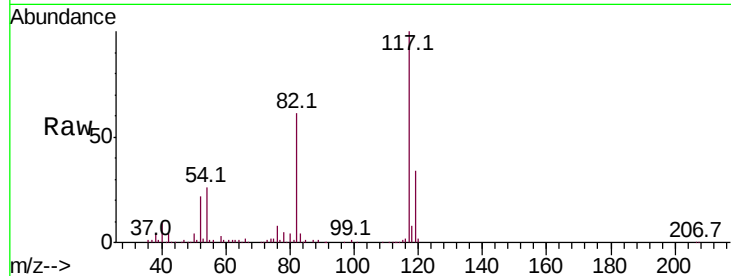




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066551.D
Acq: 03 Sep 2020 23:13

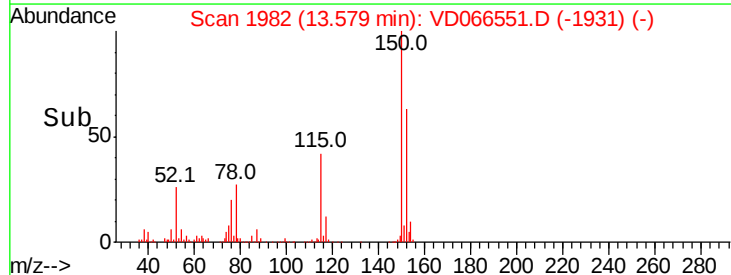
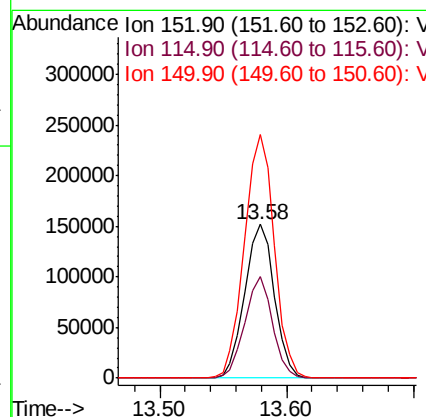
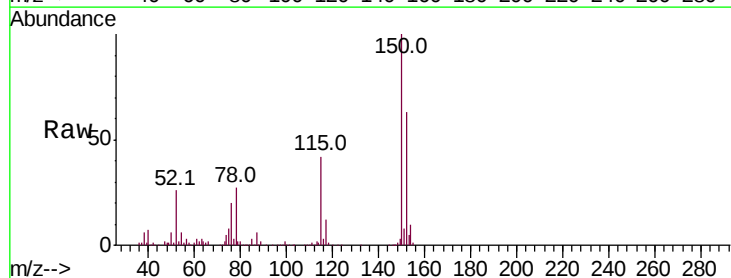
Instrument :
MSVOA_D
ClientSampleId :
9-2-TP-4

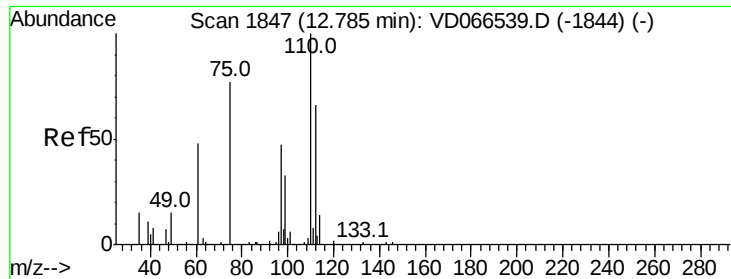
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.5	46.2	69.2
119	34.5	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066551.D
Acq: 03 Sep 2020 23:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	30.4	91.2
150	158.7	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 56.278 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066551.D

Acq: 03 Sep 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

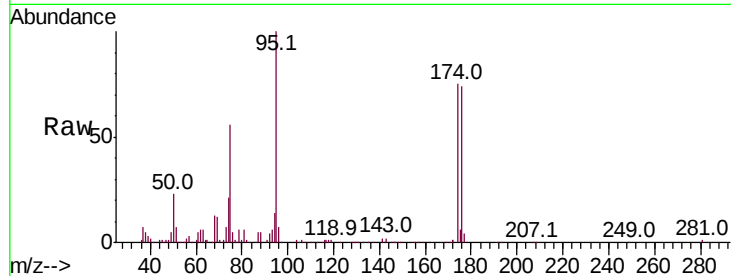
9-2-TP-4

Tot Ion: 75 Resp: 133902

Ion Ratio Lower Upper

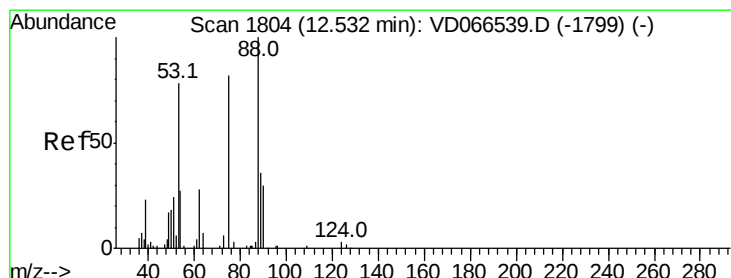
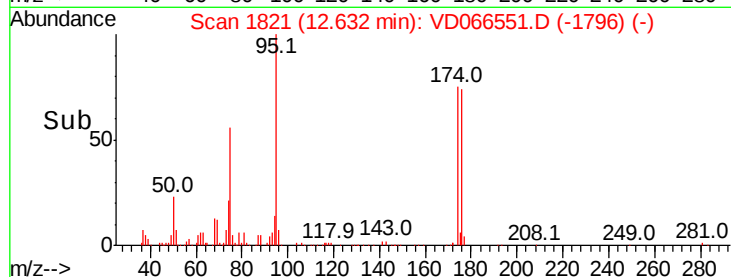
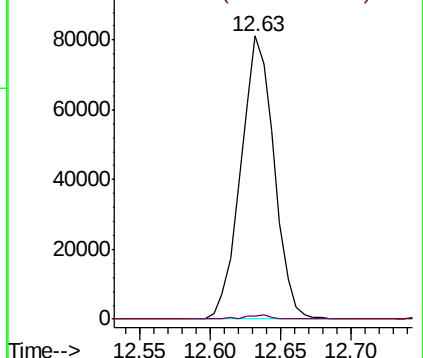
75 100

77 1.1 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: 131.388 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066551.D

Acq: 03 Sep 2020 23:13

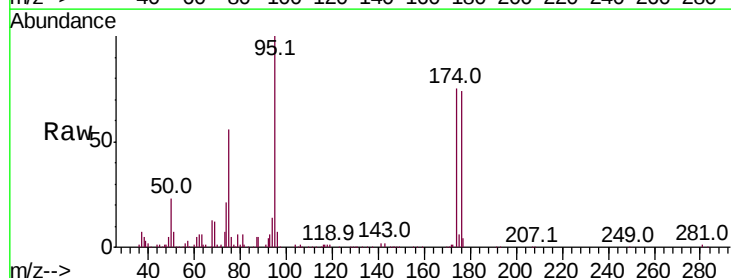
Tgt Ion: 75 Resp: 133902

Ion Ratio Lower Upper

75 100

53 0.1 87.0 130.4#

89 0.1 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

