

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066550.D
 Acq On : 03 Sep 2020 22:45
 Operator : VA/SY
 Sample : L3888-09
 Misc : 7.59G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 9-2-TP-3

Quant Time: Sep 04 05:55:48 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	355038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	652473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	590646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	255711	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	228308	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	
35) Dibromofluoromethane	7.91	113	223964	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
50) Toluene-d8	10.34	98	809375	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.63	95	250102	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	

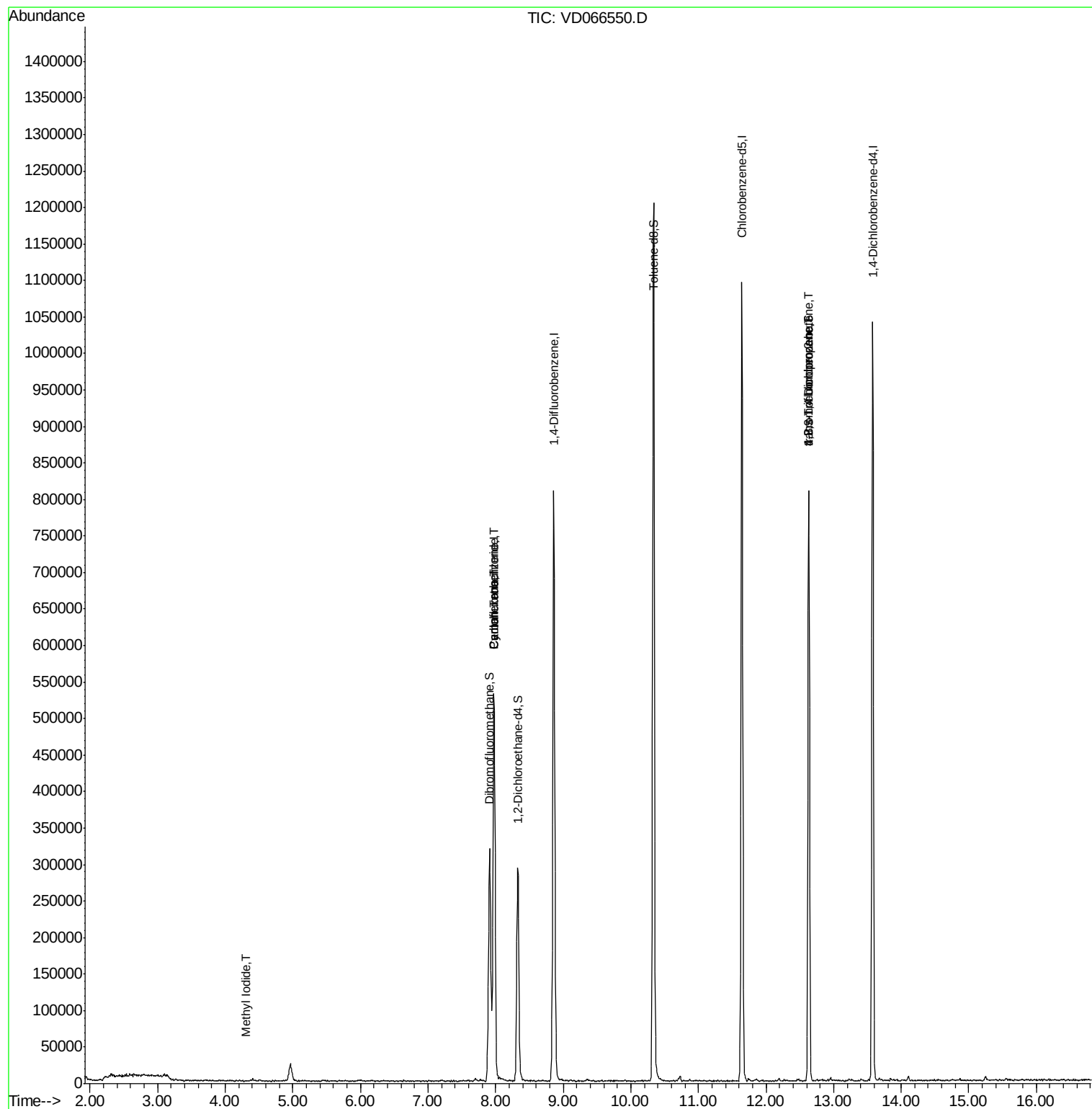
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	504	Below Cal	#	46
5) Bromomethane	2.78	94	1310	Below Cal	#	37
10) Methyl Iodide	4.31	142	63	4.039	ug/l #	35
11) Tert butyl alcohol	5.02	59	64	Below Cal	#	74
20) Methylene Chloride	4.96	84	16955	Below Cal	#	87
31) Cyclohexane	7.98	56	11296	1.612	ug/l #	28
38) Carbon Tetrachloride	7.97	117	41444	5.774	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	141428	57.508	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	141428	134.262	ug/l #	6

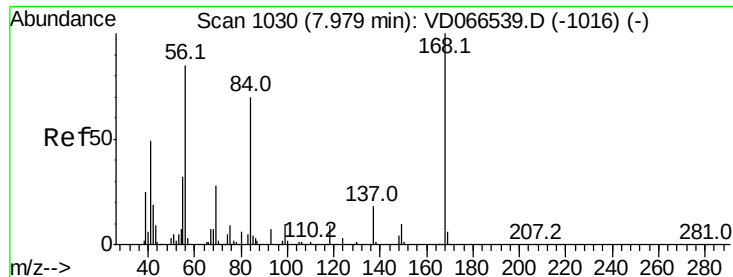
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090320\
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QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066550.D

Acq: 03 Sep 2020 22:45

Instrument :

MSVOA_D

ClientSampleId :

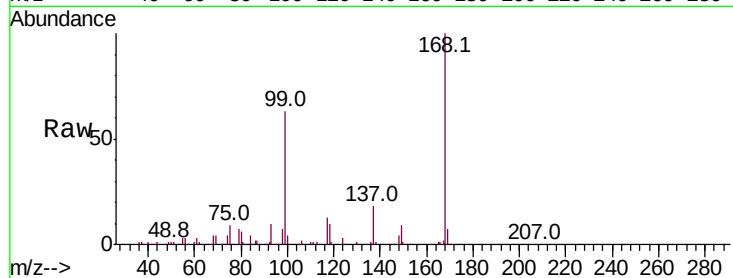
9-2-TP-3

Tot Ion:168 Resp: 355038

Ion Ratio Lower Upper

168 100

99 63.0 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

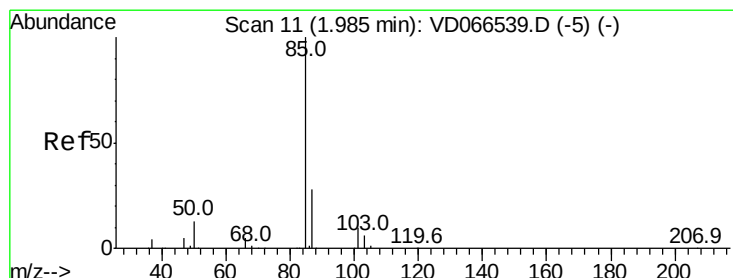
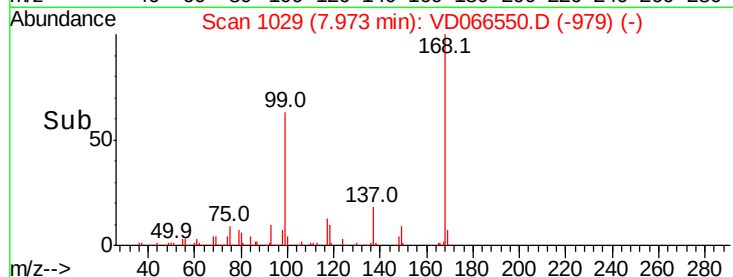
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066550.D

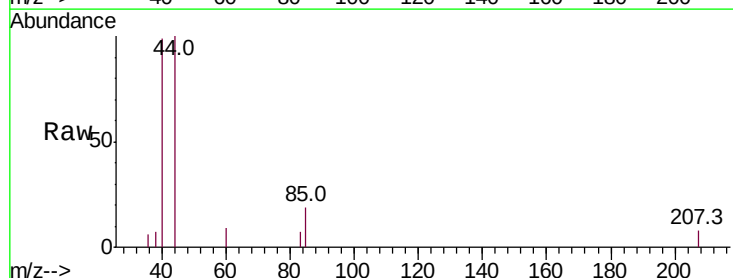
Acq: 03 Sep 2020 22:45

Tgt Ion: 85 Resp: 504

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

1.98

500

400

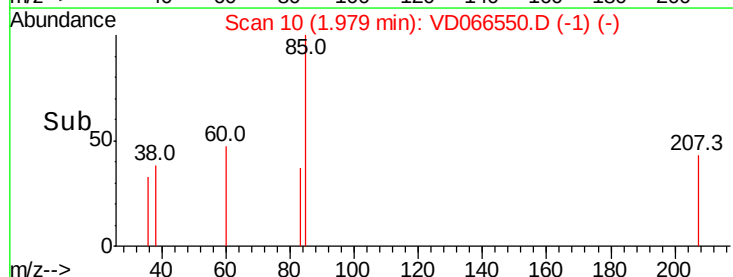
300

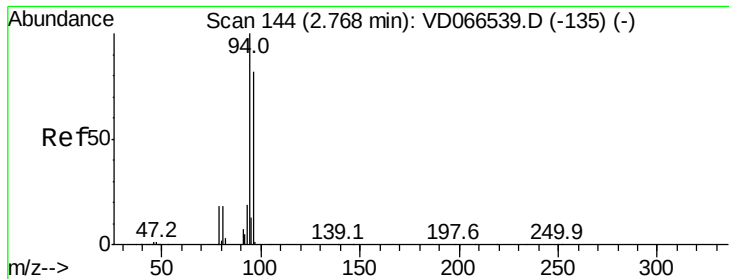
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066550.D

Acq: 03 Sep 2020 22:45

Instrument :

MSVOA_D

ClientSampleId :

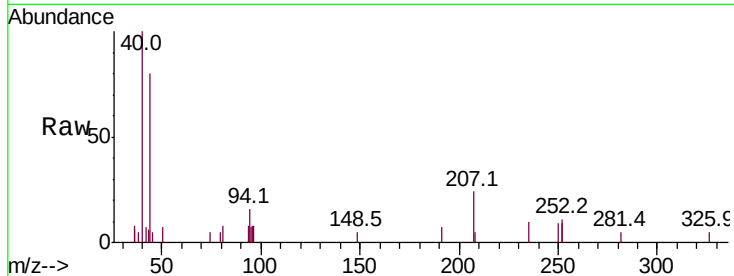
9-2-TP-3

Tot Ion: 94 Resp: 1310

Ion Ratio Lower Upper

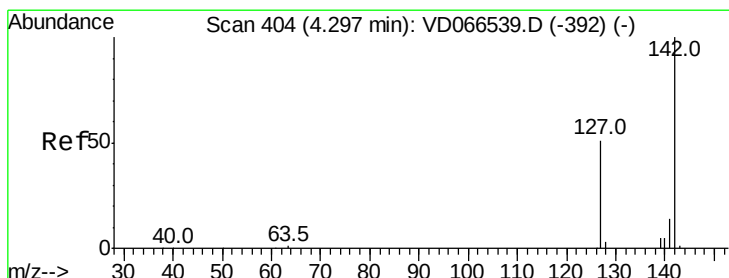
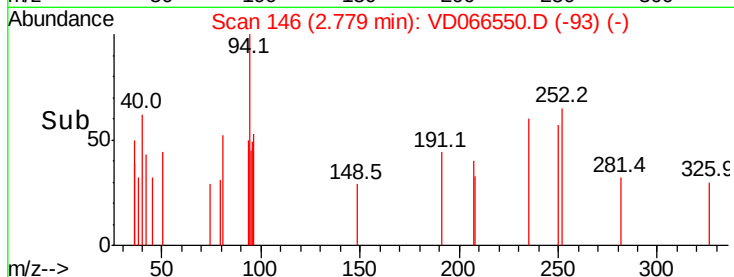
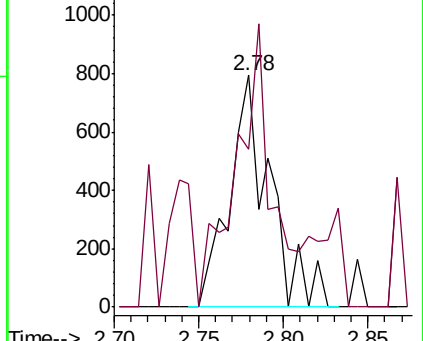
94 100

96 25.2 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#10

Methyl Iodide

Concen: 4.039 ug/l

RT: 4.31 min Scan# 407

Delta R.T. 0.02 min

Lab File: VD066550.D

Acq: 03 Sep 2020 22:45

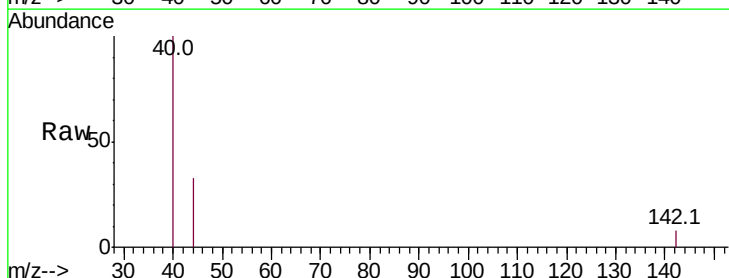
Tgt Ion: 142 Resp: 63

Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

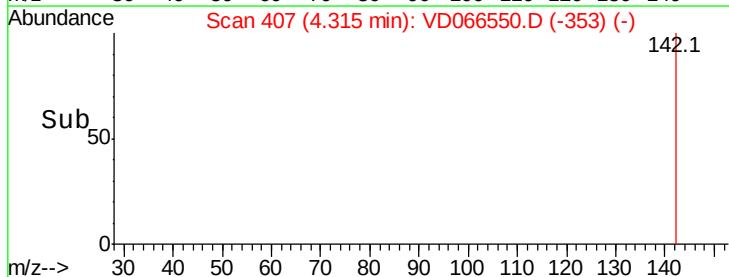
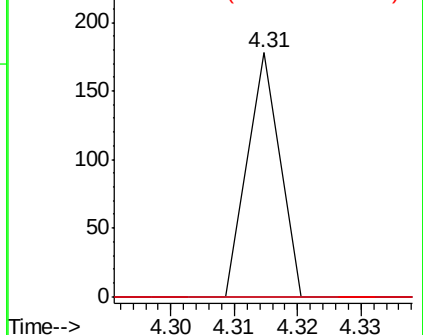
141 0.0 12.2 18.4#

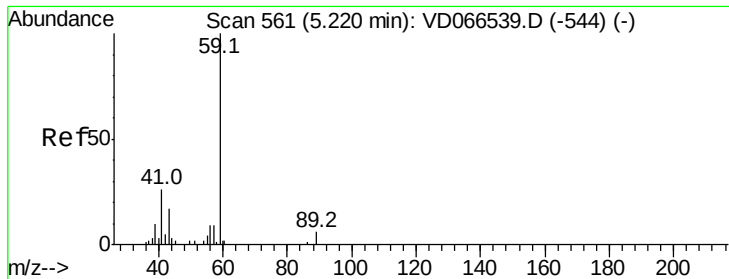


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



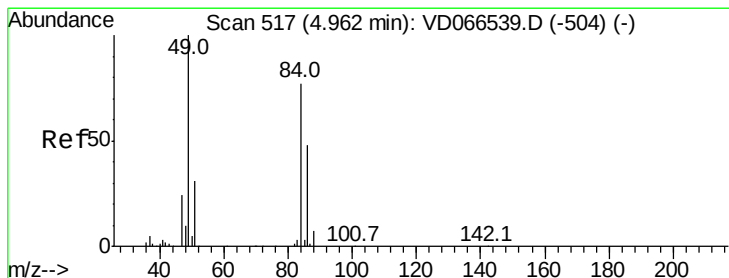
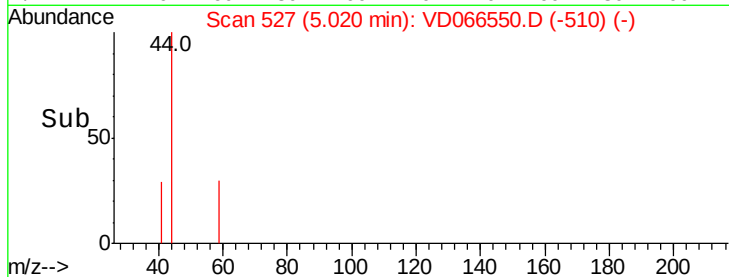
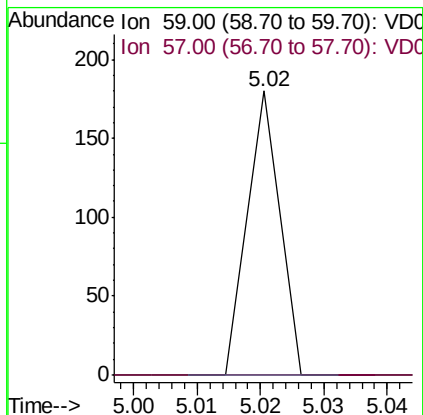
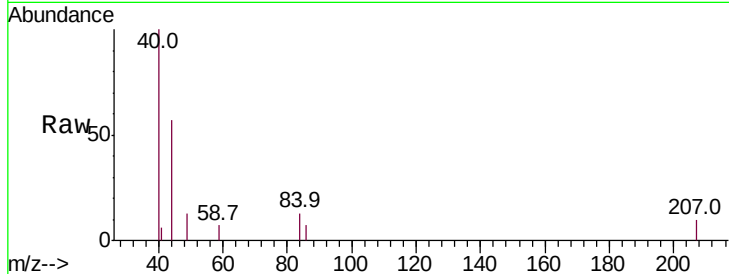


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.02 min Scan# 527
Delta R.T. -0.20 min
Lab File: VD066550.D
Acq: 03 Sep 2020 22:45

Instrument :
MSVOA_D
ClientSampleId :
9-2-TP-3

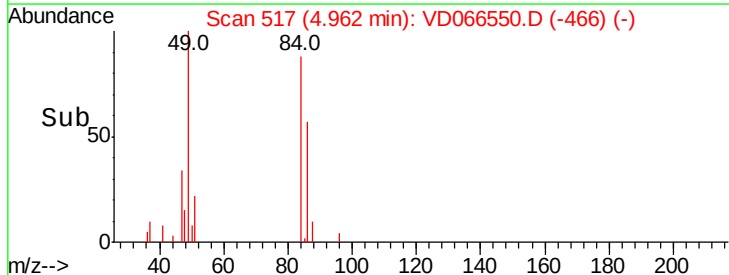
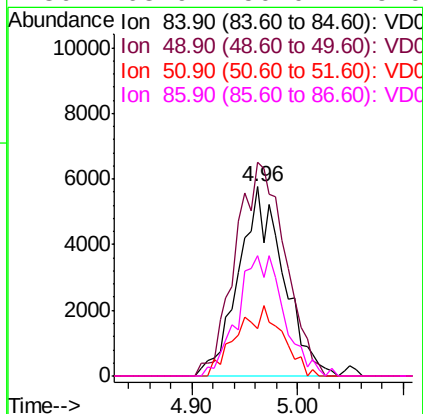
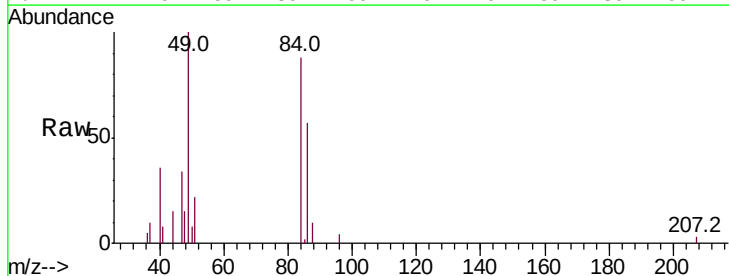
Tot Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#

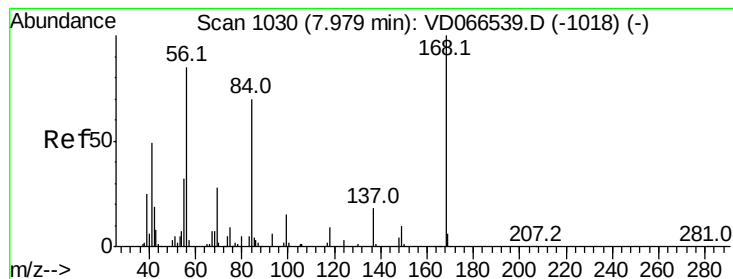


#20

Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066550.D
Acq: 03 Sep 2020 22:45

Tgt Ion: 84 Resp: 16955
Ion Ratio Lower Upper
84 100
49 113.0 104.3 156.5
51 24.9 32.2 48.4#
86 63.9 50.0 75.0





#31

Cyclohexane

Concen: 1.612 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066550.D

Acq: 03 Sep 2020 22:45

Instrument :

MSVOA_D

ClientSampleId :

9-2-TP-3

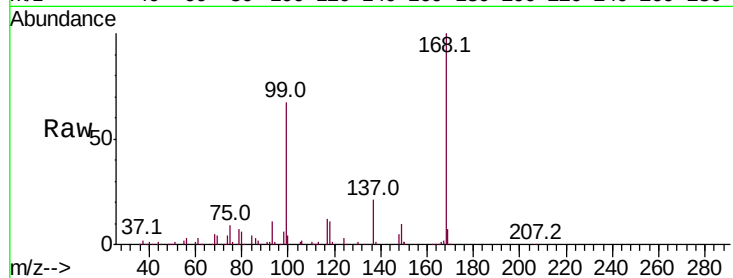
Tot Ion: 56 Resp: 11296

Ion Ratio Lower Upper

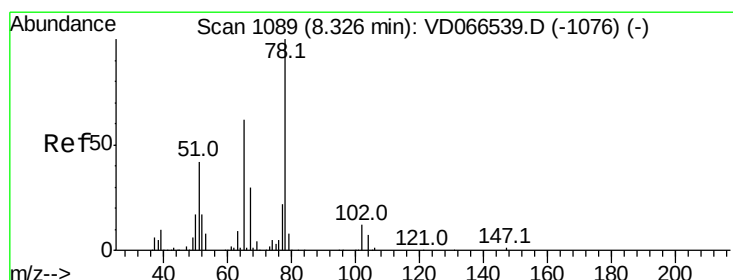
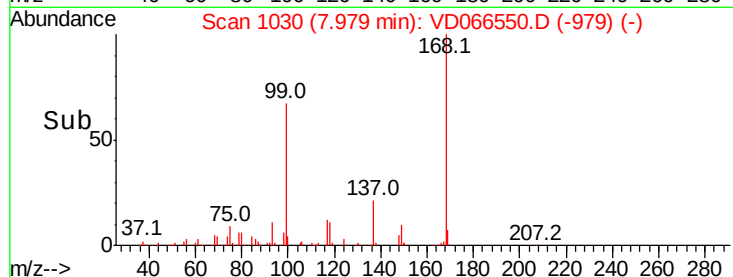
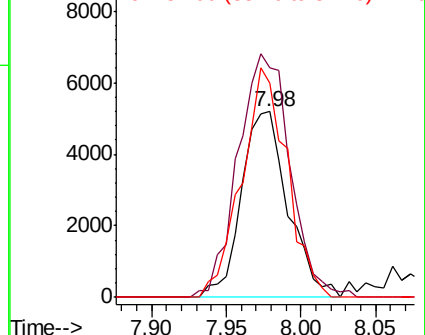
56 100

69 123.2 26.3 39.5#

84 115.2 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: 53.149 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VD066550.D

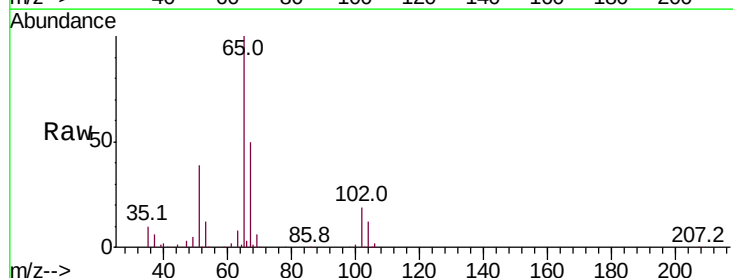
Acq: 03 Sep 2020 22:45

Tgt Ion: 65 Resp: 228308

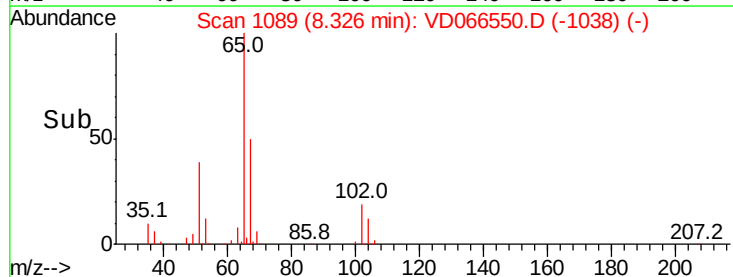
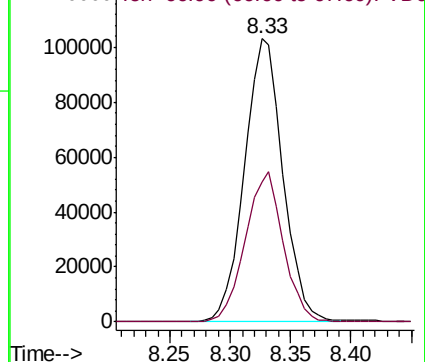
Ion Ratio Lower Upper

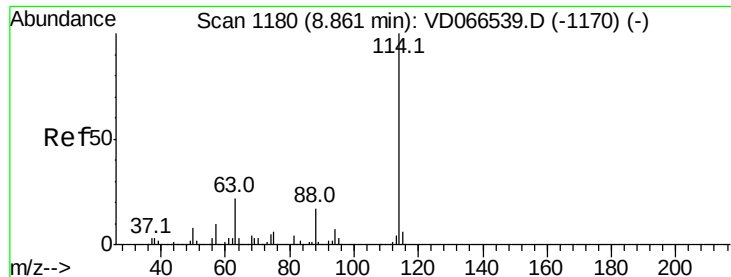
65 100

67 52.3 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: VD066550.D

Acq: 03 Sep 2020 22:45

Instrument :

MSVOA_D

ClientSampleId :

9-2-TP-3

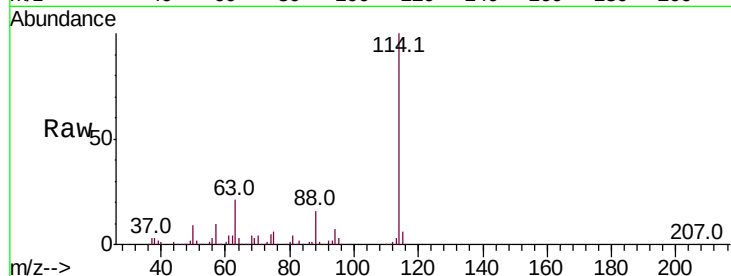
Tot Ion:114 Resp: 652473

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.2

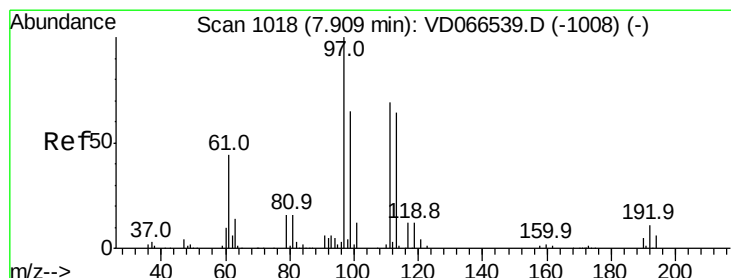
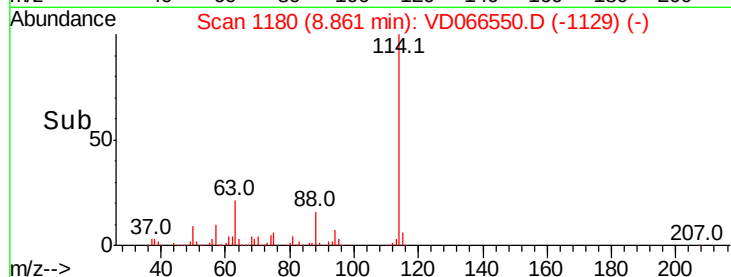
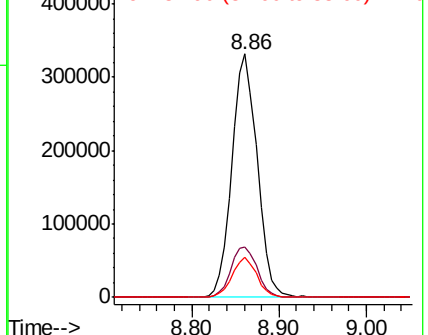
88 16.3 0.0 33.2



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: 50.882 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066550.D

Acq: 03 Sep 2020 22:45

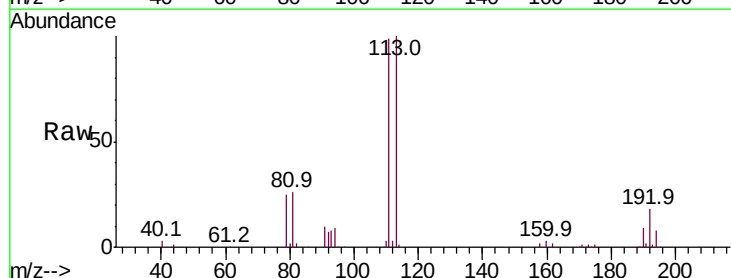
Tgt Ion:113 Resp: 223964

Ion Ratio Lower Upper

113 100

111 102.2 83.2 124.8

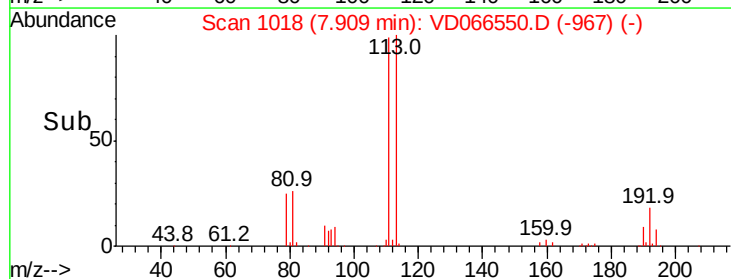
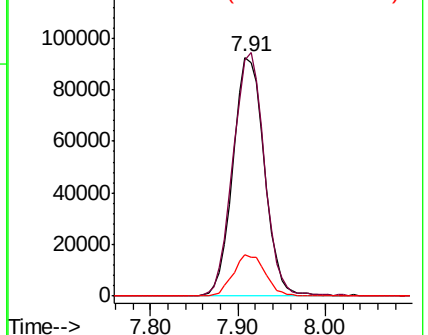
192 17.4 13.7 20.5

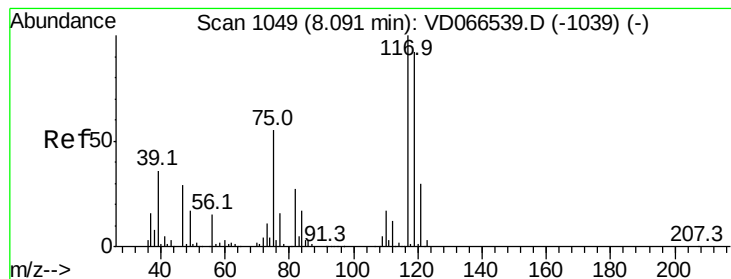


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 5.774 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066550.D

Acq: 03 Sep 2020 22:45

Instrument :

MSVOA_D

ClientSampleId :

9-2-TP-3

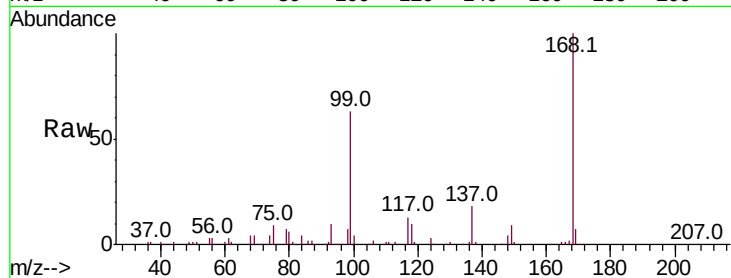
Tot Ion:117 Resp: 41444

Ion Ratio Lower Upper

117 100

119 4.4 73.9 110.9#

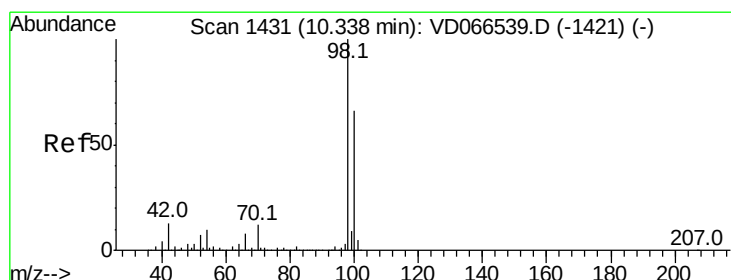
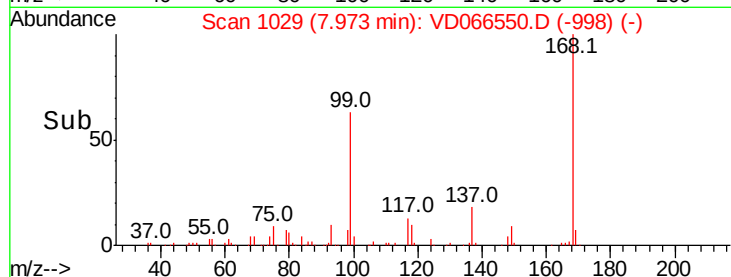
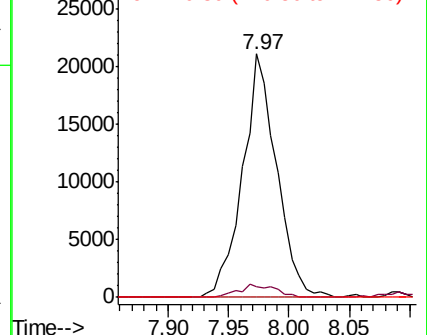
121 0.0 24.1 36.1#



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: 51.447 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066550.D

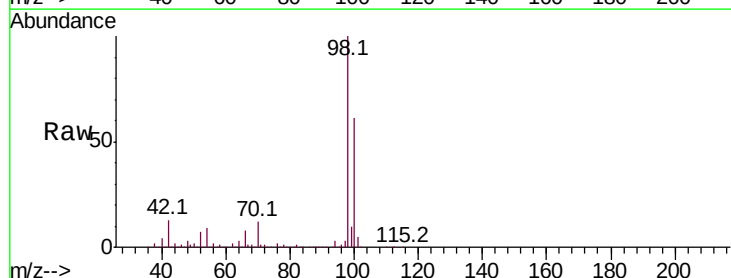
Acq: 03 Sep 2020 22:45

Tgt Ion: 98 Resp: 809375

Ion Ratio Lower Upper

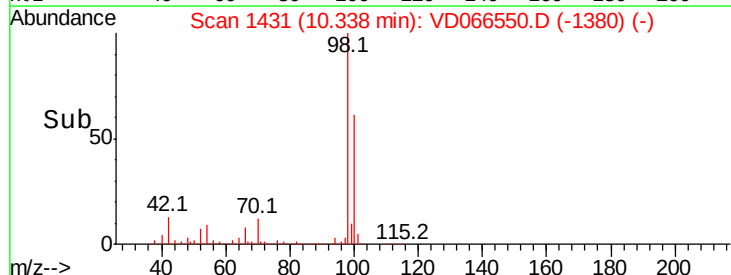
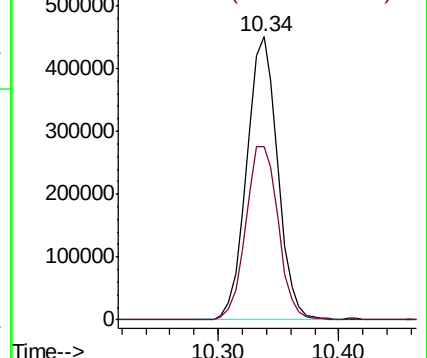
98 100

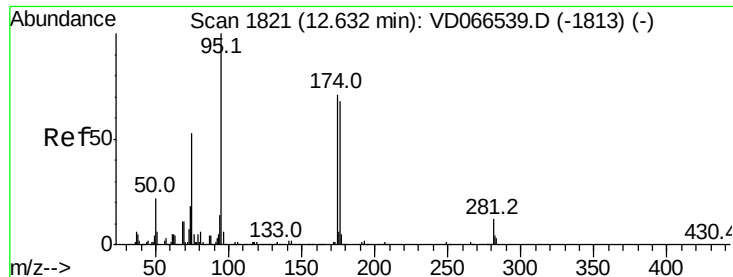
100 64.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

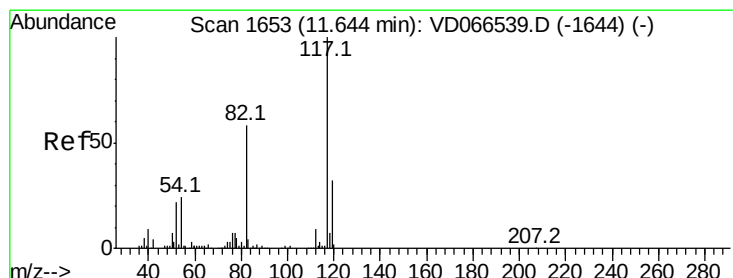
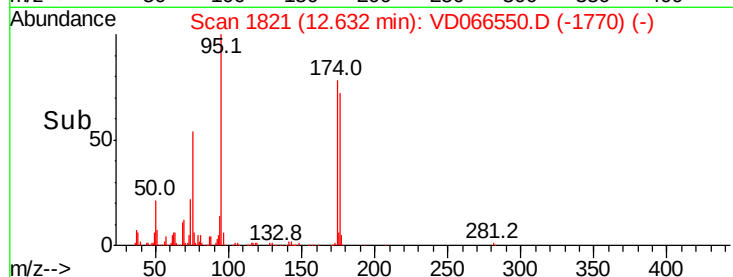
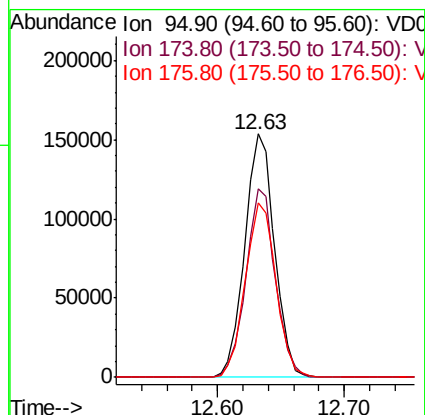
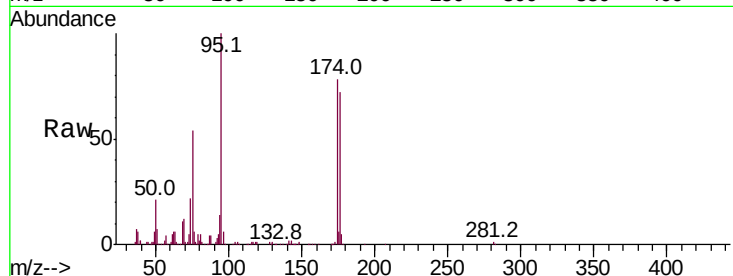




#62
4-Bromofluorobenzene
Concen: 47.944 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066550.D
Acq: 03 Sep 2020 22:45

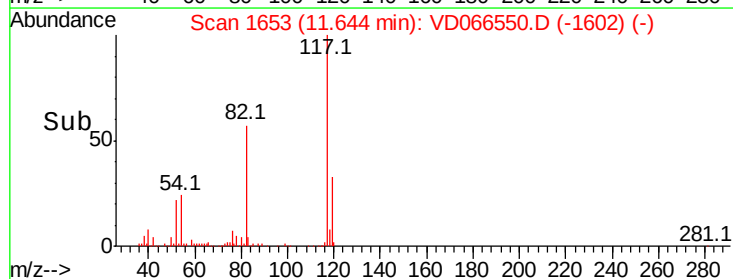
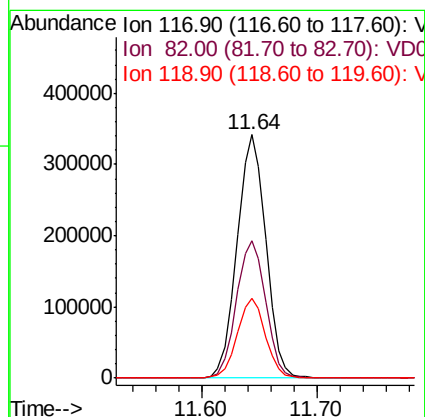
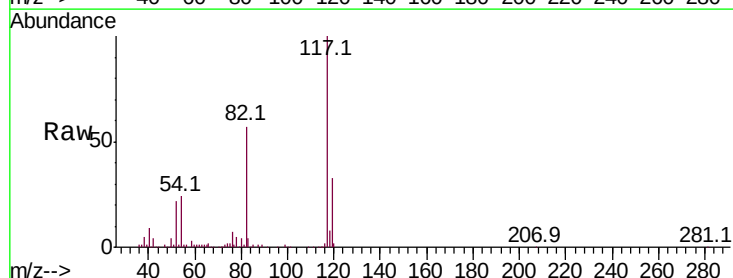
Instrument :
MSVOA_D
ClientSampleId :
9-2-TP-3

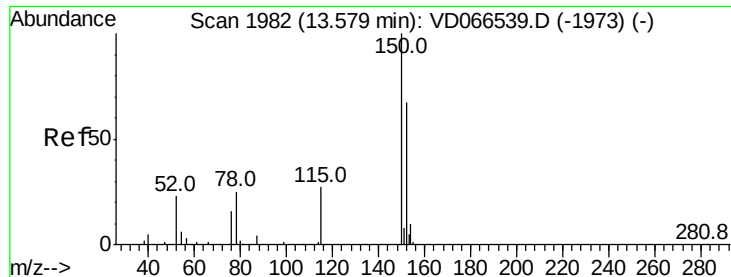
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	155.8
176	73.8	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066550.D
Acq: 03 Sep 2020 22:45

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.2	69.2
119	32.7	25.8	38.8

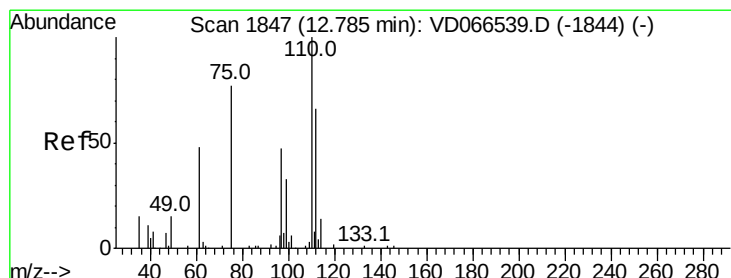
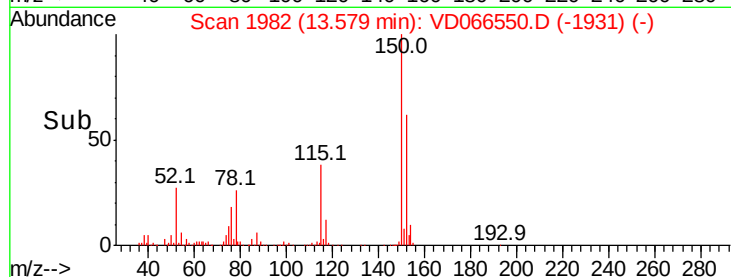
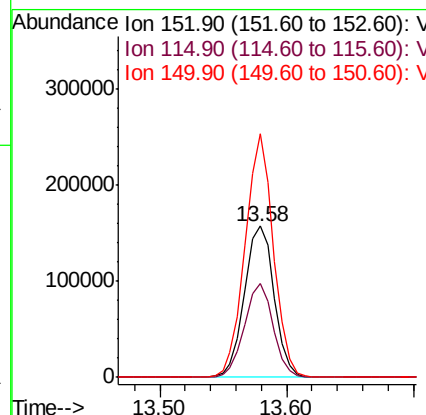
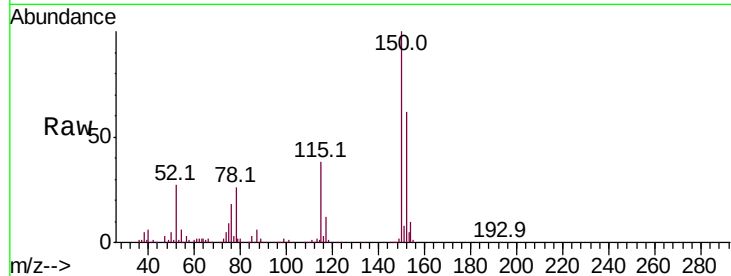




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VD066550.D
 Acq: 03 Sep 2020 22:45

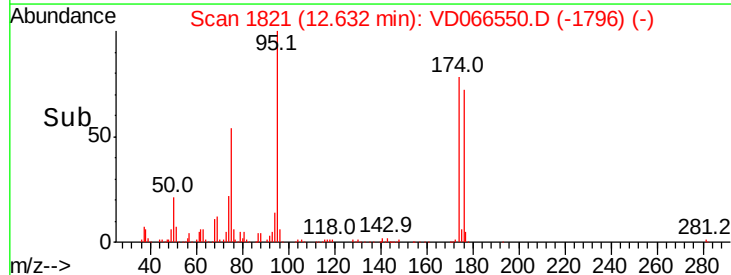
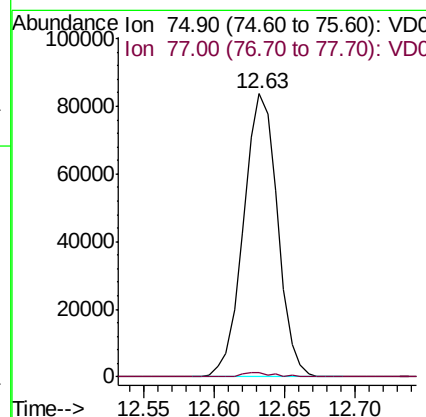
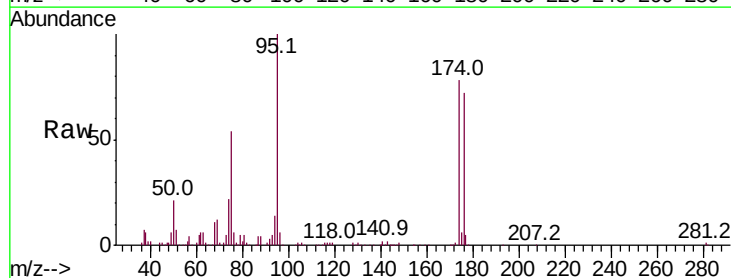
Instrument :
 MSVOA_D
 ClientSampleId :
 9-2-TP-3

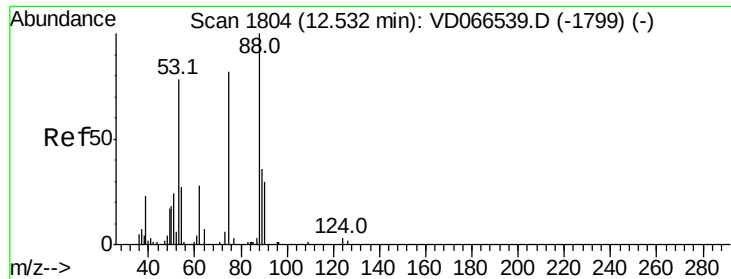
Tot Ion:152 Resp: 255711
 Ion Ratio Lower Upper
 152 100
 115 59.9 30.4 91.2
 150 153.1 0.0 345.8



#76
 1,2,3-Trichloropropane
 Concen: 57.508 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066550.D
 Acq: 03 Sep 2020 22:45

Tgt Ion: 75 Resp: 141428
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 134.262 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066550.D

Acq: 03 Sep 2020 22:45

Instrument :

MSVOA_D

ClientSampleId :

9-2-TP-3

Tot Ion: 75 Resp: 141428

Ion Ratio Lower Upper

75 100

53 0.0 87.0 130.4#

89 0.1 37.1 55.7#

