

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD090920\
 Data File : VD066581.D
 Acq On : 09 Sep 2020 14:19
 Operator : VA/SY
 Sample : L3877-11RE
 Misc : 5.84G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

Quant Time: Sep 09 16:13:08 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	400526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	705024	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	646508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	272894	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	246772	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
35) Dibromofluoromethane	7.91	113	237799	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.34	98	846106	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.63	95	282862	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	639	Below Cal		81
5) Bromomethane	2.78	94	1057	Below Cal	#	79
10) Methyl Iodide	4.30	142	146	4.056	ug/l #	35
11) Tert butyl alcohol	5.21	59	441	Below Cal	#	74
16) Acetone	4.16	43	4046	4.538	ug/l #	85
20) Methylene Chloride	4.97	84	5922	Below Cal	#	68
25) 2-Butanone	7.47	43	67172	56.120	ug/l #	51
29) Tetrahydrofuran	7.47	42	19220	25.783	ug/l #	35
31) Cyclohexane	7.98	56	12989	1.643	ug/l #	46
36) 1,1-Dichloropropene	7.97	75	37045	5.049	ug/l #	51
37) Ethyl Acetate	7.47	43	122559	41.949	ug/l #	68
38) Carbon Tetrachloride	7.98	117	45245	5.834	ug/l #	18
41) Methacrylonitrile	7.47	41	74974	53.013	ug/l #	44
76) 1,2,3-Trichloropropane	12.63	75	162043	61.742	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	162043	144.146	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

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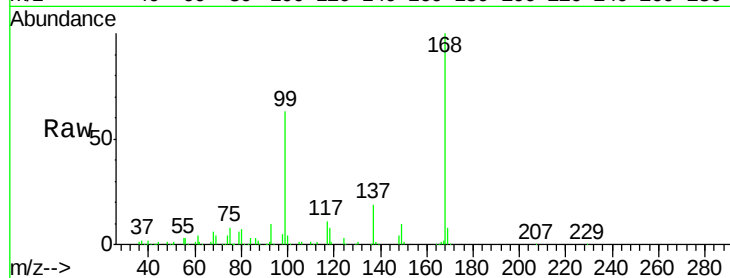
TP-3

Tgt Ion:168 Resp: 400526

Ion Ratio Lower Upper

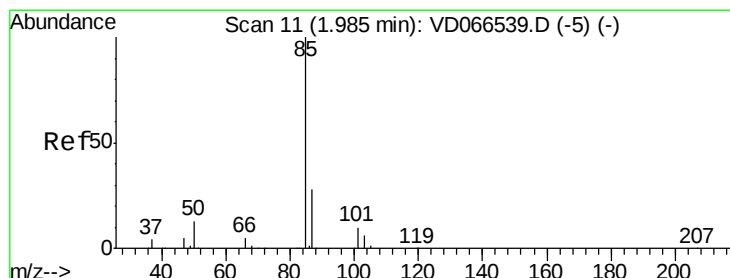
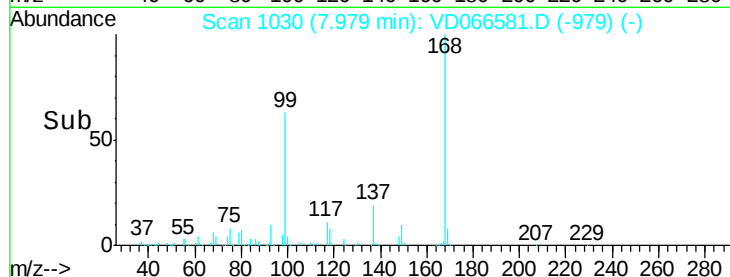
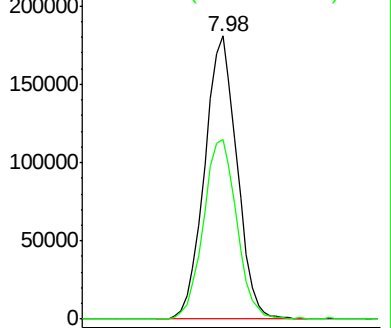
168 100

99 63.3 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: VD066581.D

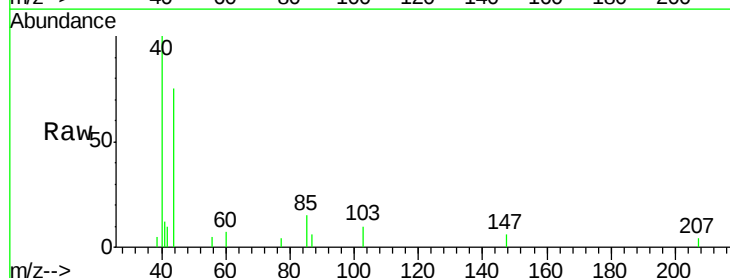
Acq: 09 Sep 2020 14:19

Tgt Ion: 85 Resp: 639

Ion Ratio Lower Upper

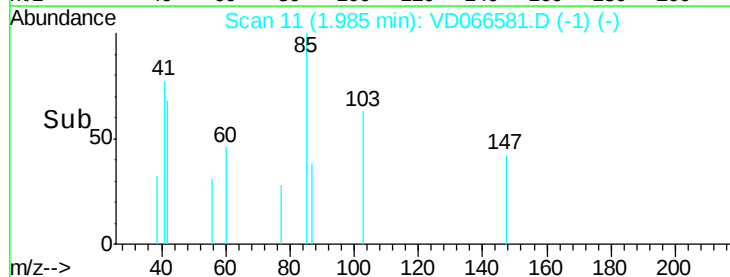
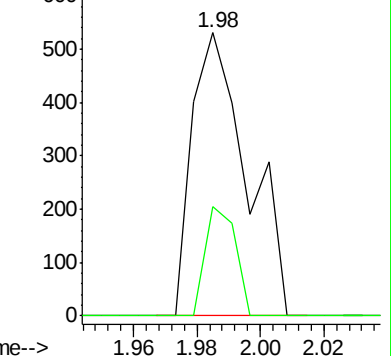
85 100

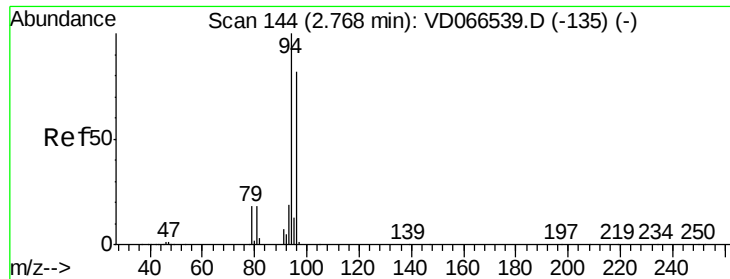
87 38.4 14.2 42.6



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: VD066581.D

Acq: 09 Sep 2020 14:19

Instrument :

MSVOA_D

ClientSampleId :

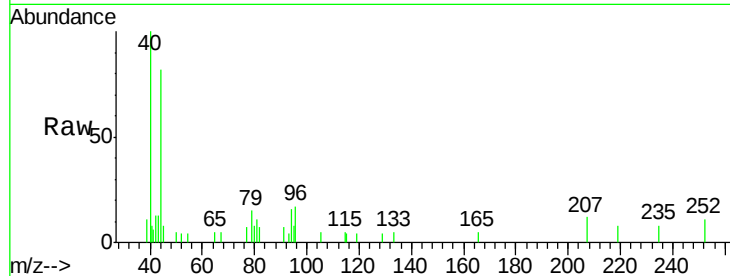
TP-3

Tgt Ion: 94 Resp: 1057

Ion Ratio Lower Upper

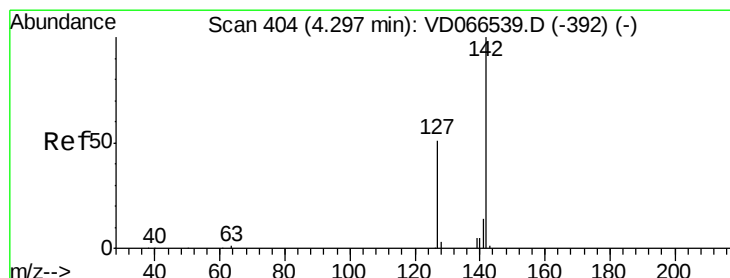
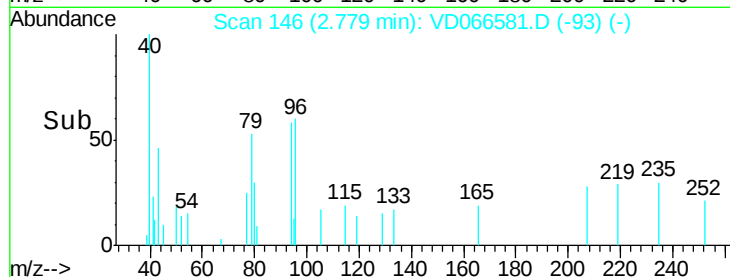
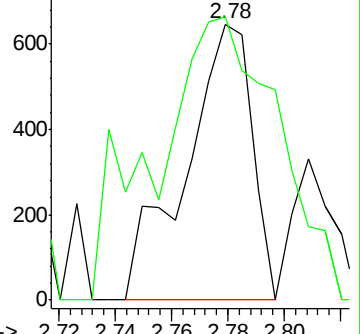
94 100

96 63.2 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: 4.056 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD066581.D

Acq: 09 Sep 2020 14:19

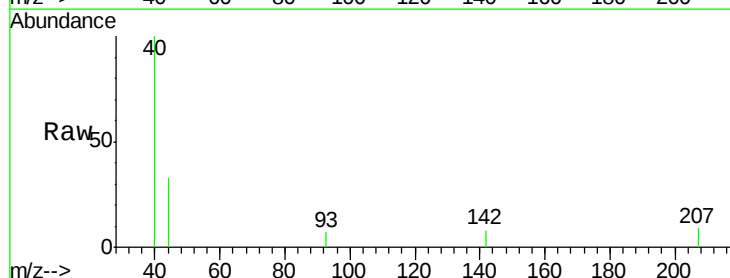
Tgt Ion: 142 Resp: 146

Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

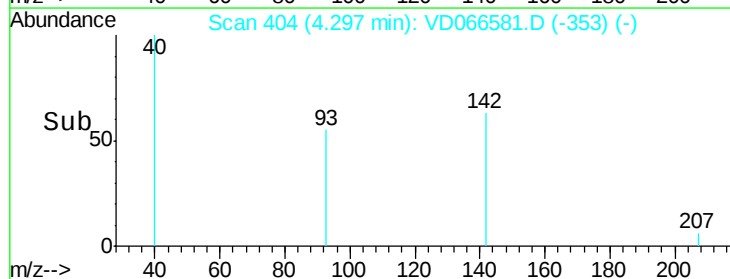
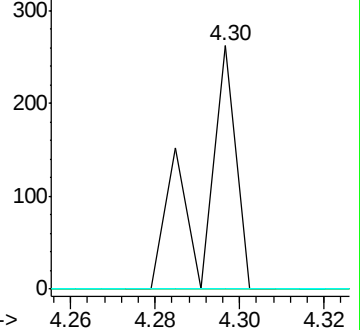
141 0.0 12.2 18.4#

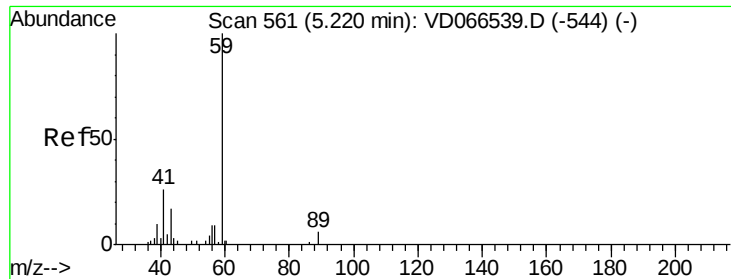


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



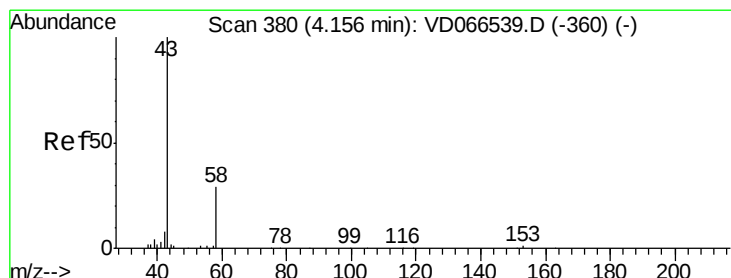
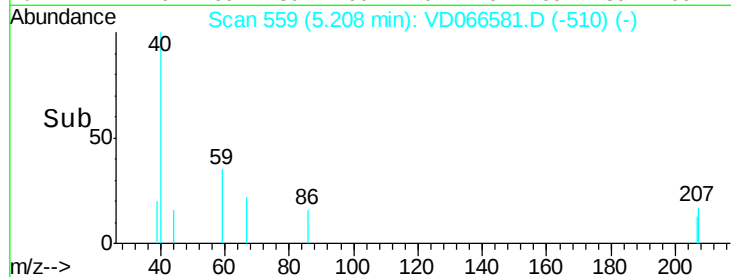
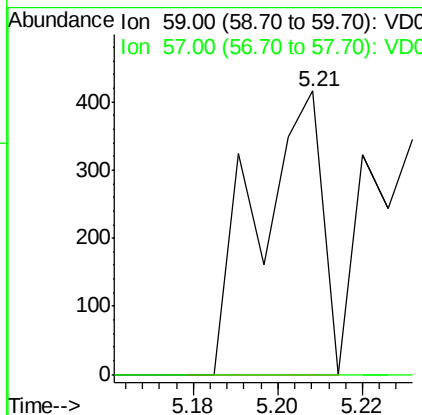
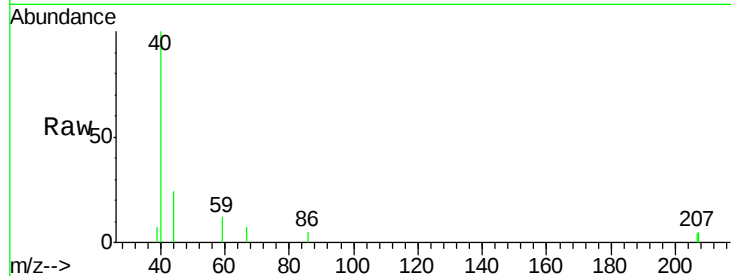


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066581.D
 Acq: 09 Sep 2020 14:19

Instrument :
 MSVOA_D
 ClientSampled :
 TP-3

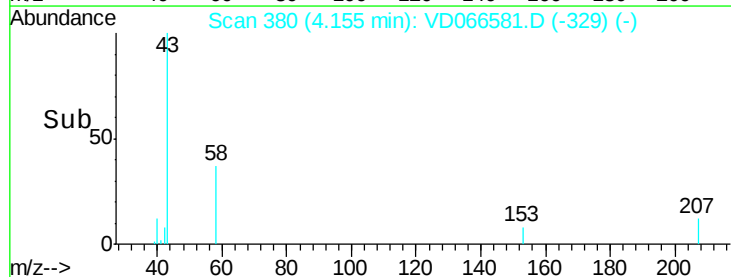
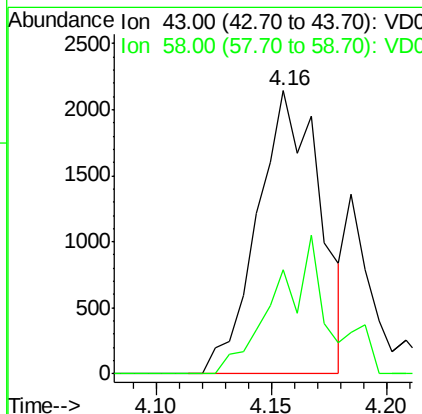
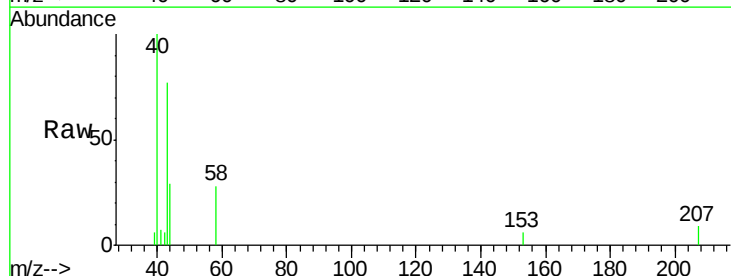
Tgt Ion: 59 Resp: 441
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

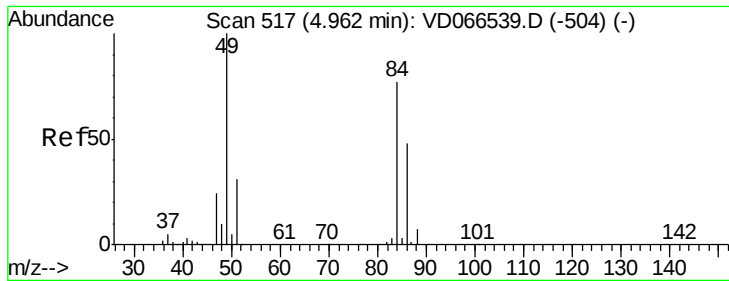


#16

Acetone
 Concen: 4.538 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066581.D
 Acq: 09 Sep 2020 14:19

Tgt Ion: 43 Resp: 4046
 Ion Ratio Lower Upper
 43 100
 58 36.7 22.9 34.3#

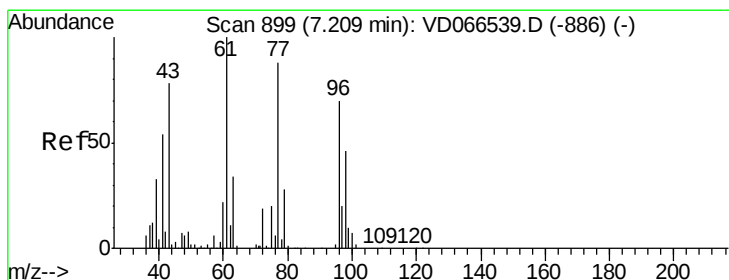
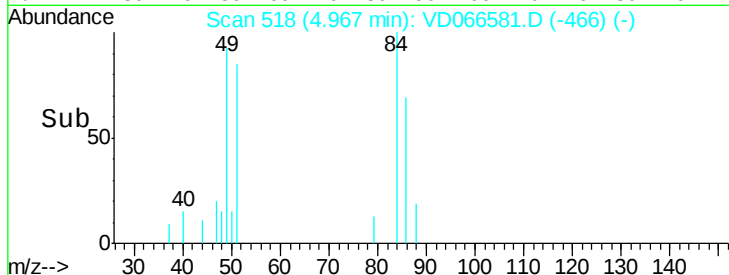
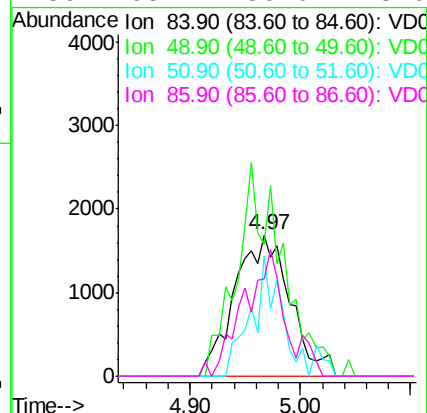
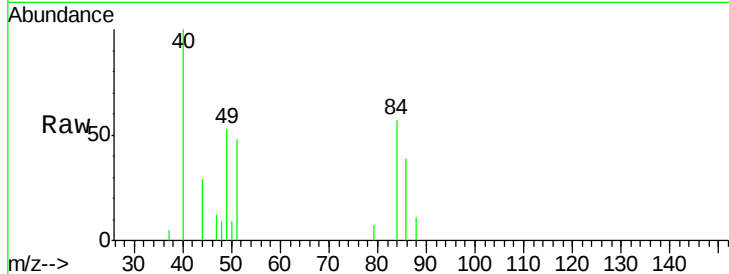




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066581.D
Acq: 09 Sep 2020 14:19

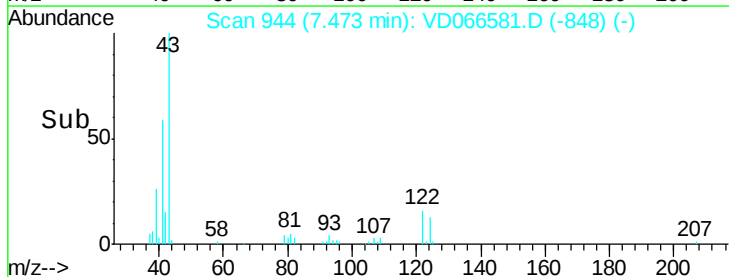
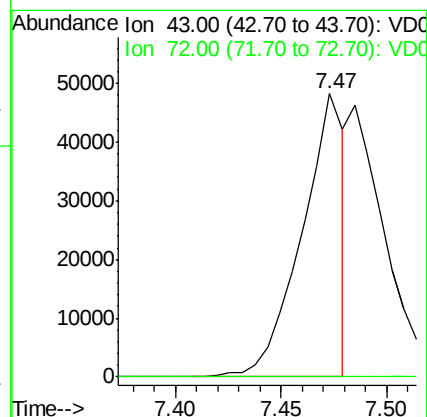
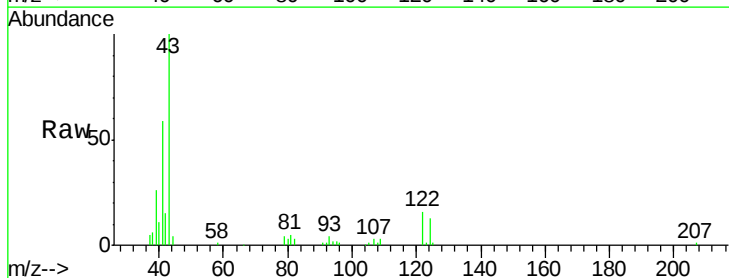
Instrument :
MSVOA_D
ClientSampleId :
TP-3

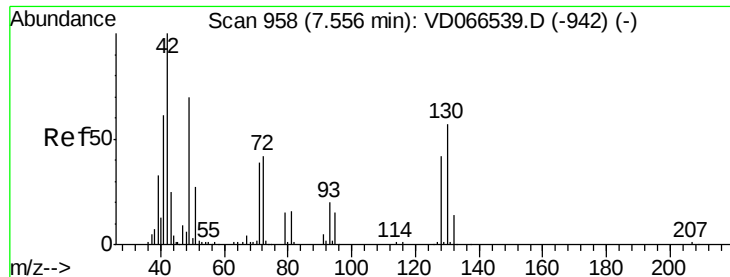
Tgt Ion: 84 Resp: 5922
Ion Ratio Lower Upper
84 100
49 93.2 104.3 156.5#
51 85.2 32.2 48.4#
86 68.7 50.0 75.0



#25
2-Butanone
Concen: 56.120 ug/l
RT: 7.47 min Scan# 944
Delta R.T. 0.26 min
Lab File: VD066581.D
Acq: 09 Sep 2020 14:19

Tgt Ion: 43 Resp: 67172
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.6#

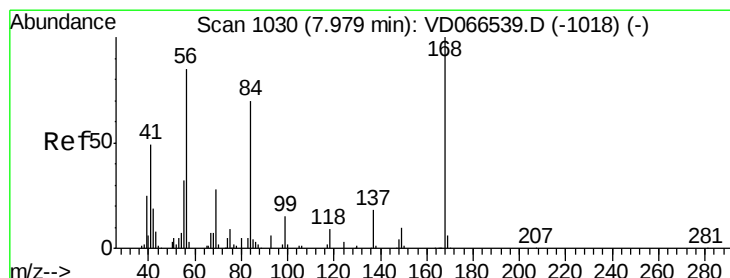
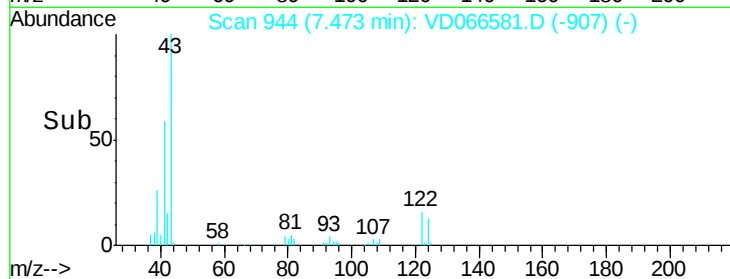
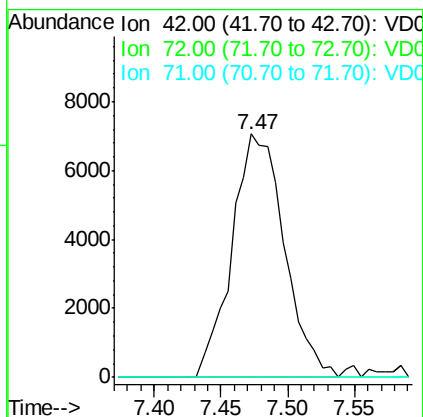
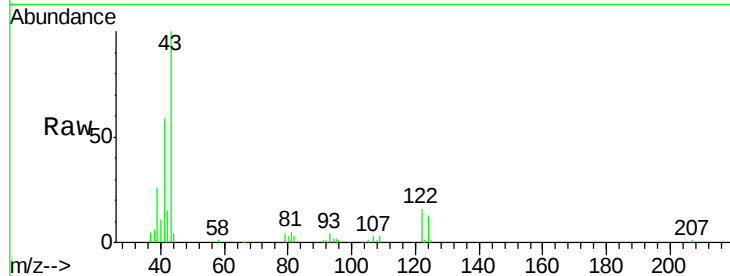




#29
Tetrahydrofuran
Concen: 25.783 ug/l
RT: 7.47 min Scan# 944
Delta R.T. -0.08 min
Lab File: VD066581.D
Acq: 09 Sep 2020 14:19

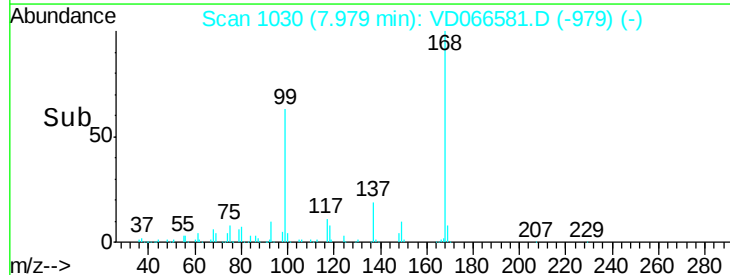
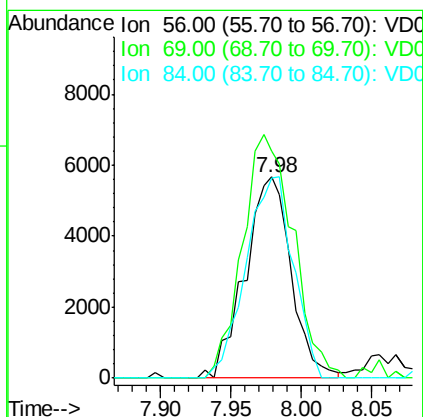
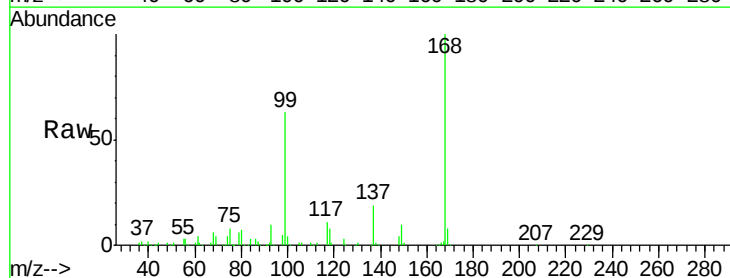
Instrument :
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ClientSampleId :
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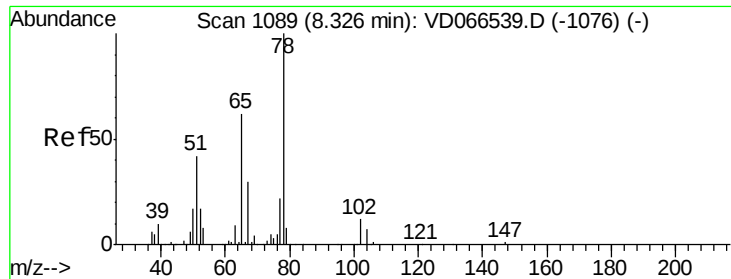
Tgt Ion: 42 Resp: 19220
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.9 47.9#



#31
Cyclohexane
Concen: 1.643 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066581.D
Acq: 09 Sep 2020 14:19

Tgt Ion: 56 Resp: 12989
Ion Ratio Lower Upper
56 100
69 113.1 26.3 39.5#
84 99.6 66.1 99.1#

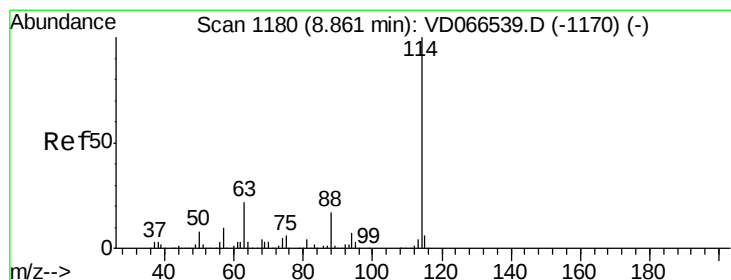
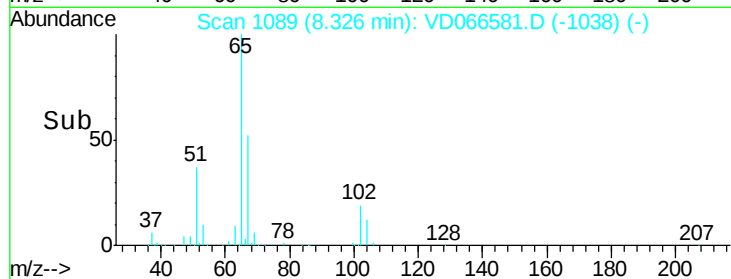
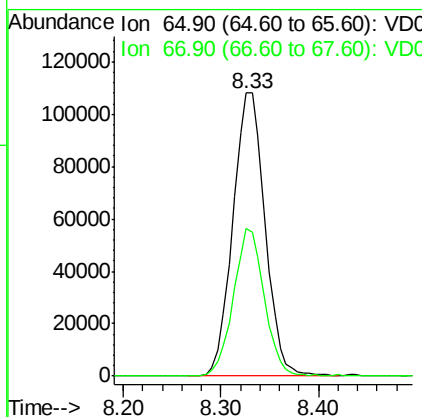
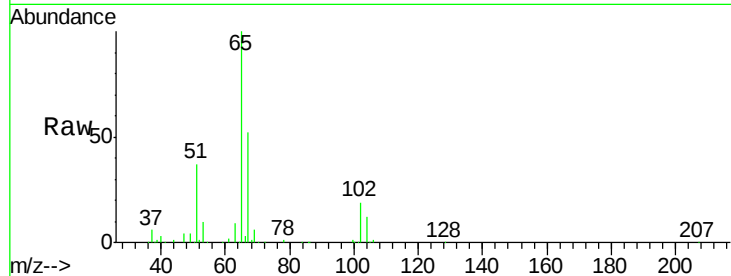




#33
 1,2-Dichloroethane-d4
 Concen: 50.923 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066581.D
 Acq: 09 Sep 2020 14:19

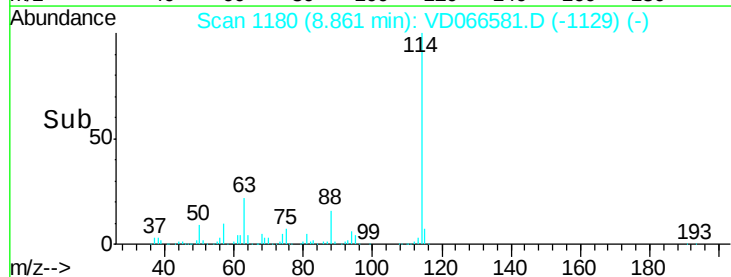
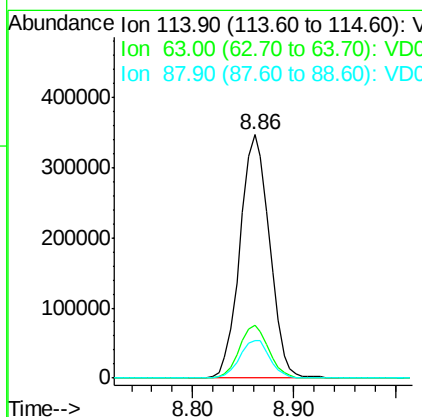
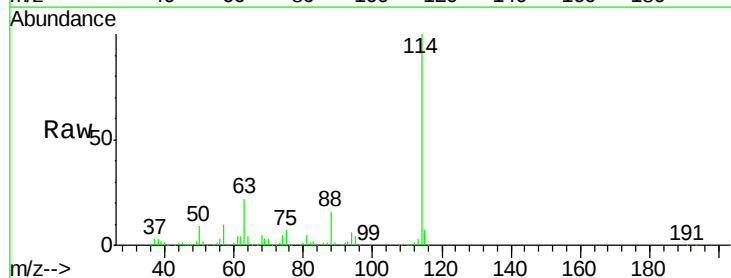
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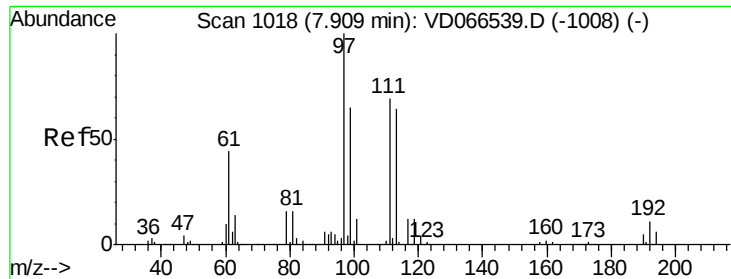
Tgt Ion: 65 Resp: 246772
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066581.D
 Acq: 09 Sep 2020 14:19

Tgt Ion: 114 Resp: 705024
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.2
 88 15.7 0.0 33.2

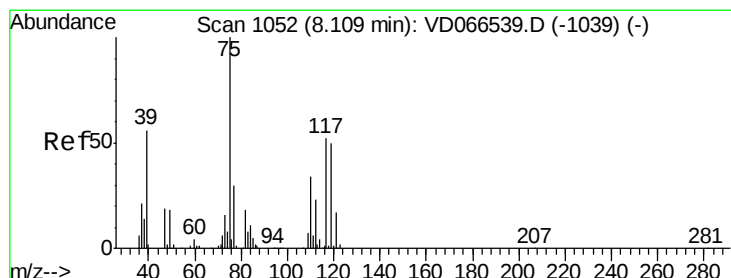
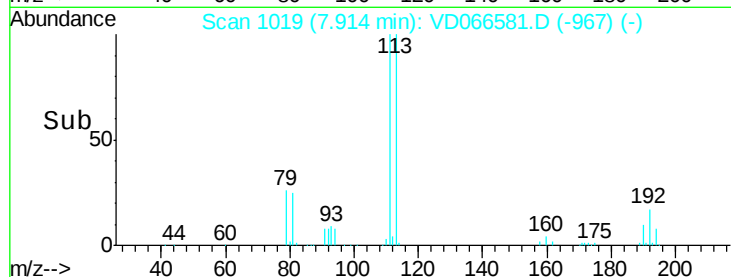
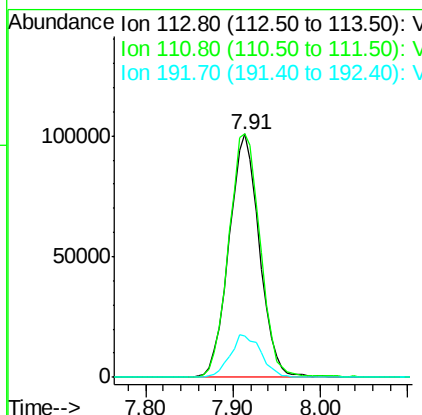
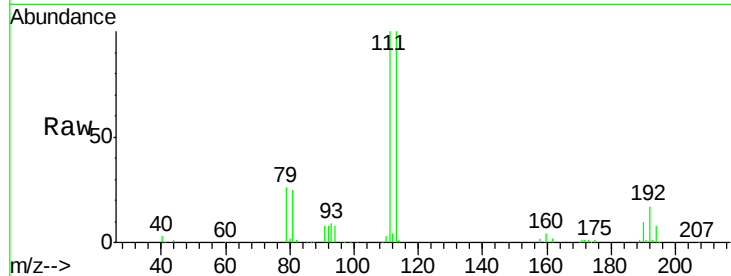




#35
 Dibromofluoromethane
 Concen: 49.998 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066581.D
 Acq: 09 Sep 2020 14:19

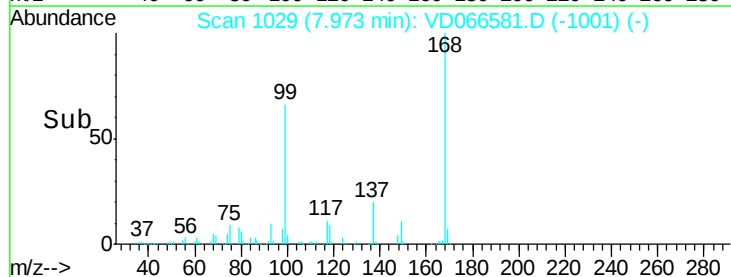
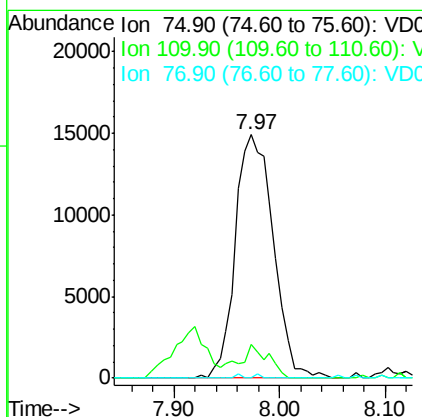
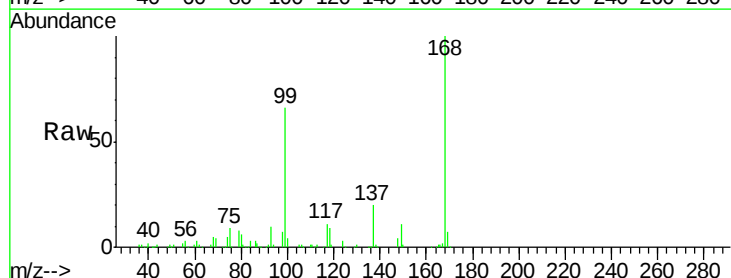
Instrument :
 MSVOA_D
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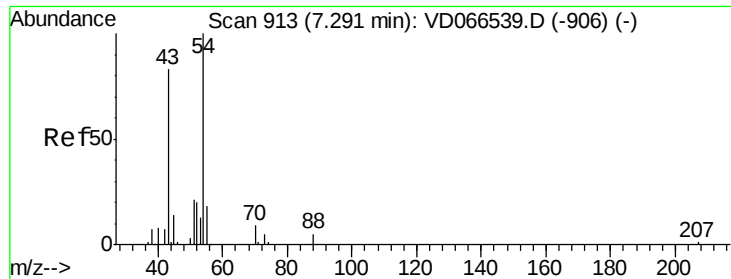
Tgt Ion: 113 Resp: 237799
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.2 124.8
 192 17.7 13.7 20.5



#36
 1,1-Dichloropropene
 Concen: 5.049 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066581.D
 Acq: 09 Sep 2020 14:19

Tgt Ion: 75 Resp: 37045
 Ion Ratio Lower Upper
 75 100
 110 10.7 17.3 52.0#
 77 0.2 25.1 37.7#

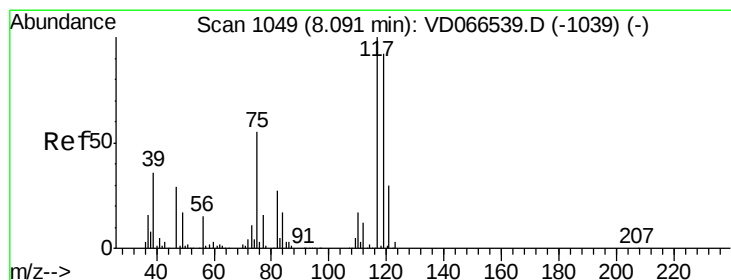
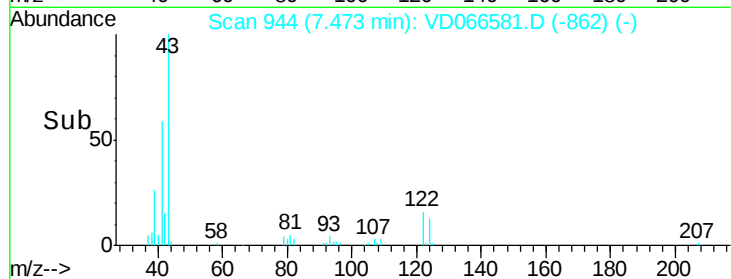
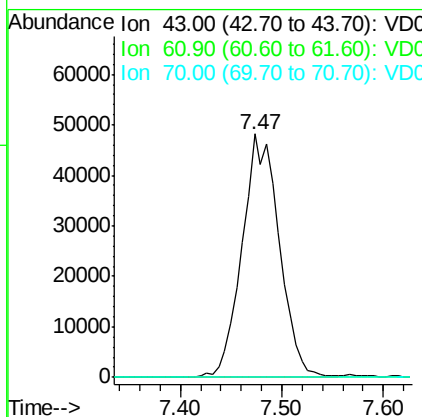
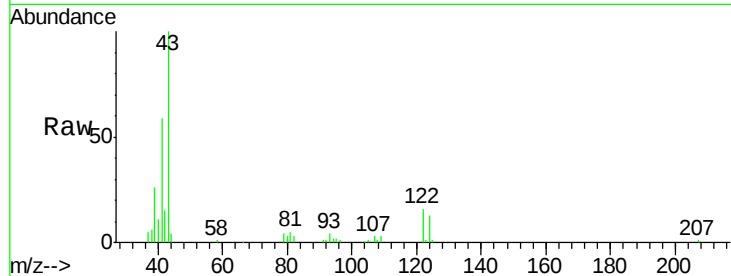




#37
Ethyl Acetate
Concen: 41.949 ug/l
RT: 7.47 min Scan# 944
Delta R.T. 0.18 min
Lab File: VD066581.D
Acq: 09 Sep 2020 14:19

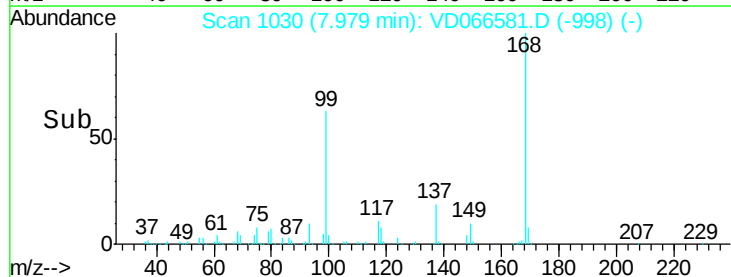
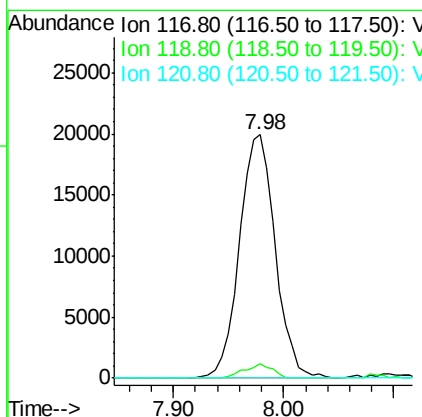
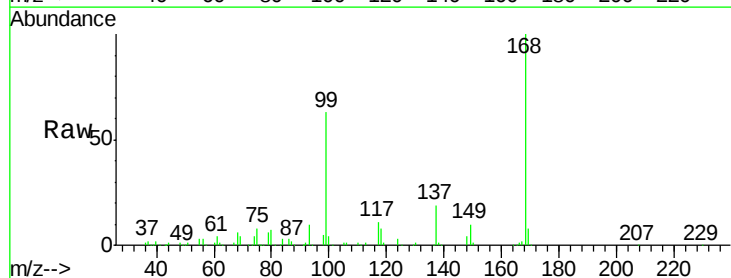
Instrument :
MSVOA_D
ClientSampleId :
TP-3

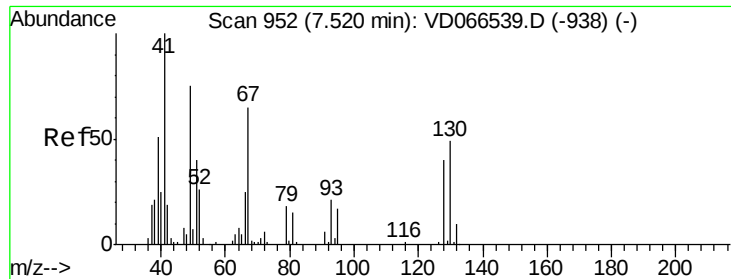
Tgt Ion: 43 Resp: 122559
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.834 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.11 min
Lab File: VD066581.D
Acq: 09 Sep 2020 14:19

Tgt Ion: 117 Resp: 45245
Ion Ratio Lower Upper
117 100
119 6.0 73.9 110.9#
121 0.0 24.1 36.1#

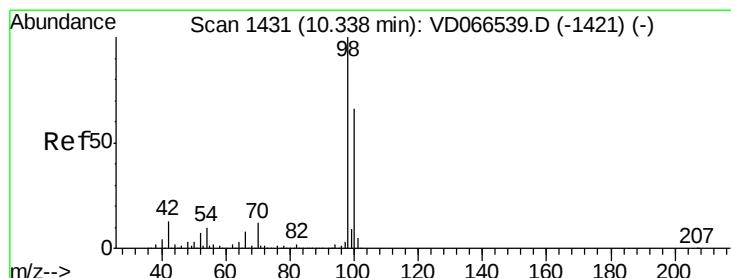
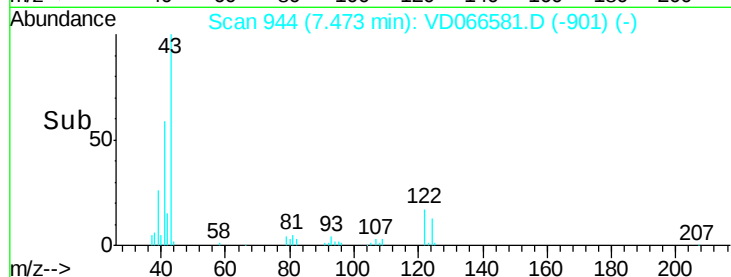
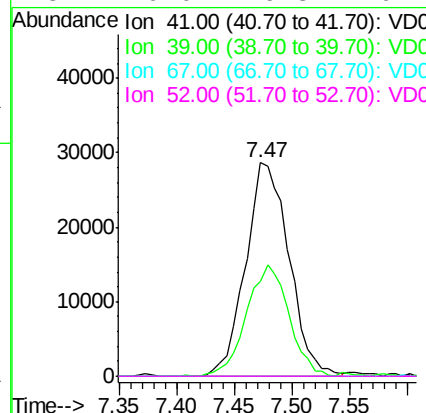
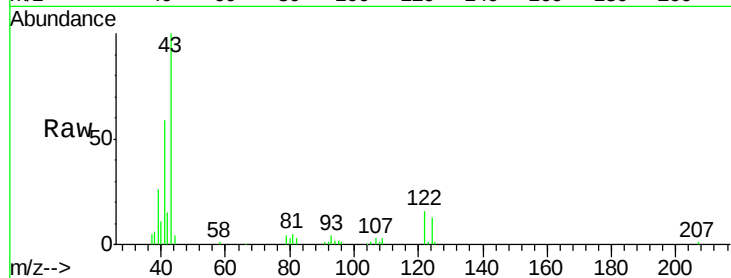




#41
Methacrylonitrile
Concen: 53.013 ug/l
RT: 7.47 min Scan# 944
Delta R.T. -0.05 min
Lab File: VD066581.D
Acq: 09 Sep 2020 14:19

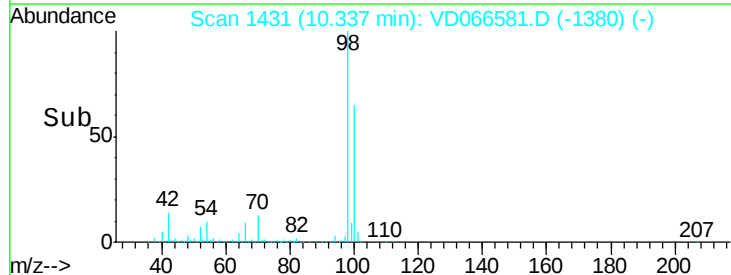
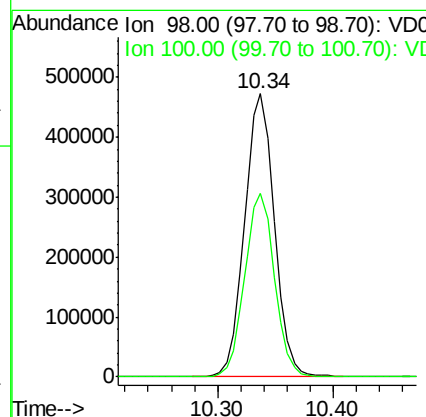
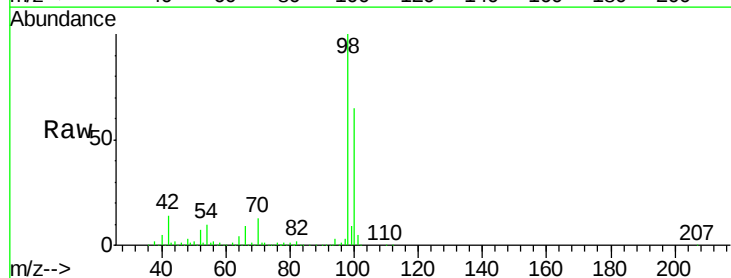
Instrument :
MSVOA_D
ClientSampleId :
TP-3

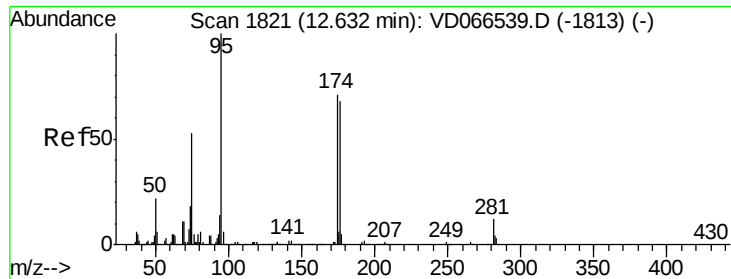
Tgt Ion: 41 Resp: 74974
Ion Ratio Lower Upper
41 100
39 50.8 53.6 80.4#
67 0.0 59.2 88.8#
52 0.0 26.8 40.2#



#50
Toluene-d8
Concen: 49.773 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066581.D
Acq: 09 Sep 2020 14:19

Tgt Ion: 98 Resp: 846106
Ion Ratio Lower Upper
98 100
100 65.0 52.9 79.3

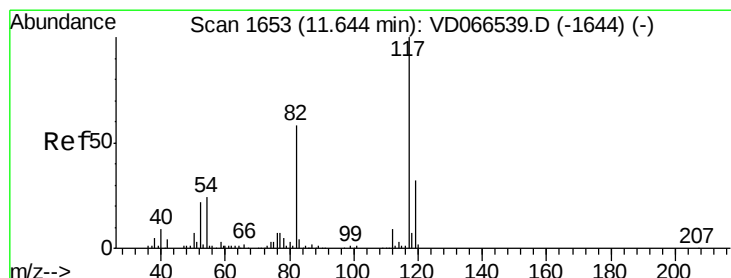
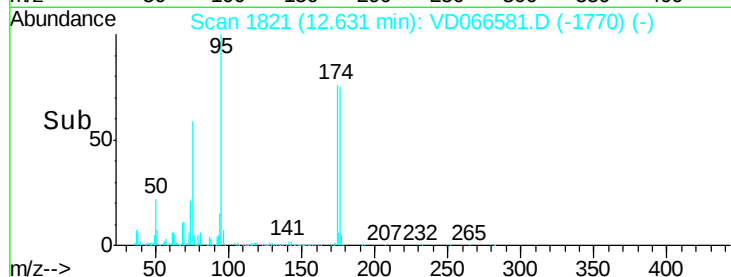
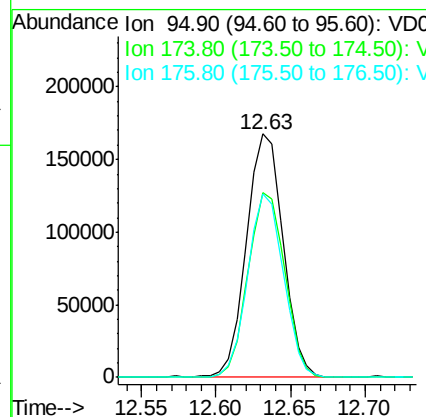
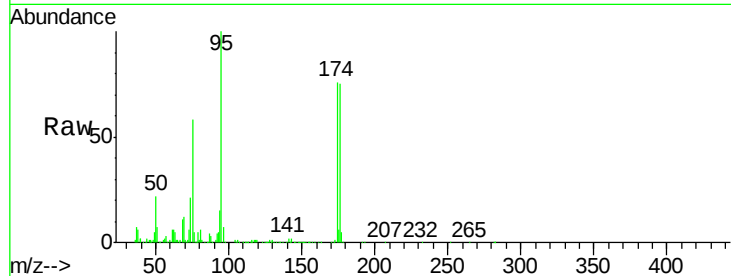




#62
4-Bromofluorobenzene
Concen: 50.182 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066581.D
Acq: 09 Sep 2020 14:19

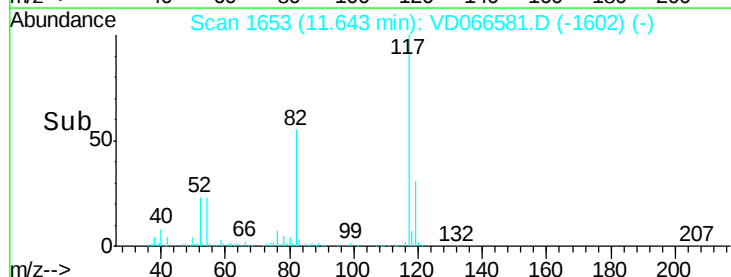
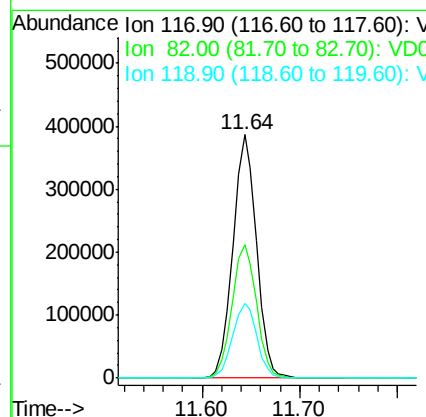
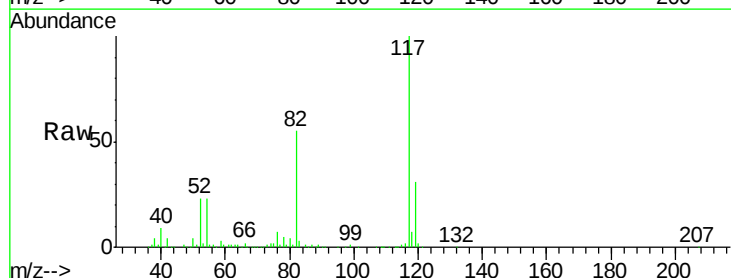
Instrument :
MSVOA_D
ClientSampleId :
TP-3

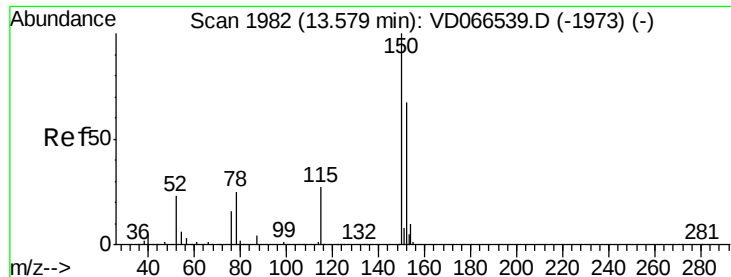
Tgt Ion: 95 Resp: 282862
Ion Ratio Lower Upper
95 100
174 76.7 0.0 155.8
176 74.2 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066581.D
Acq: 09 Sep 2020 14:19

Tgt Ion: 117 Resp: 646508
Ion Ratio Lower Upper
117 100
82 54.6 46.2 69.2
119 30.6 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: VD066581.D

Acq: 09 Sep 2020 14:19

Instrument :

MSVOA_D

ClientSampleId :

TP-3

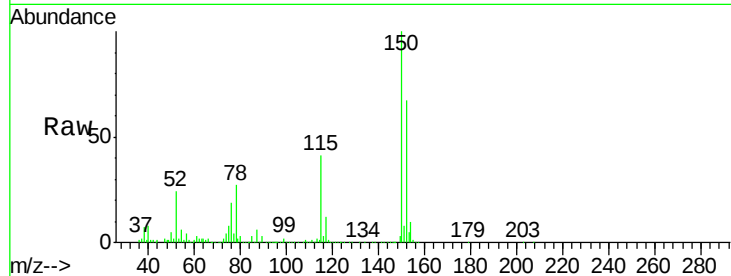
Tgt Ion:152 Resp: 272894

Ion Ratio Lower Upper

152 100

115 62.9 30.4 91.2

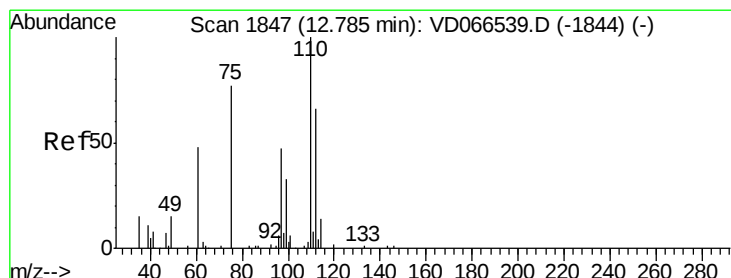
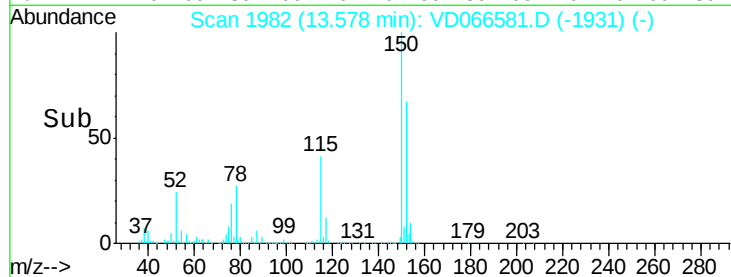
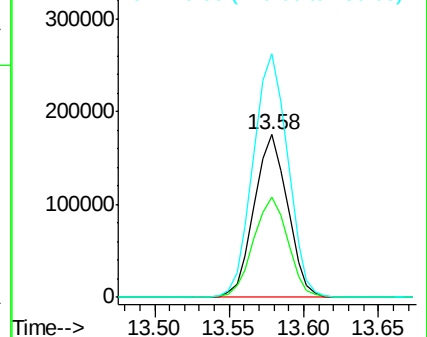
150 154.9 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 61.742 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066581.D

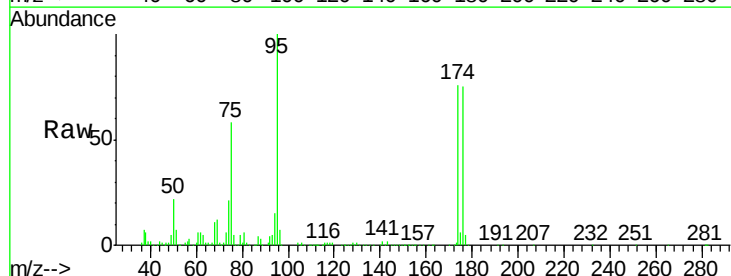
Acq: 09 Sep 2020 14:19

Tgt Ion: 75 Resp: 162043

Ion Ratio Lower Upper

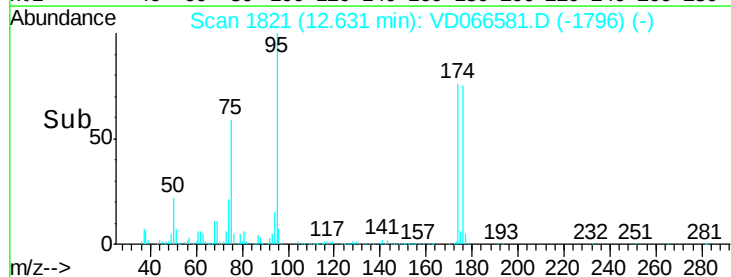
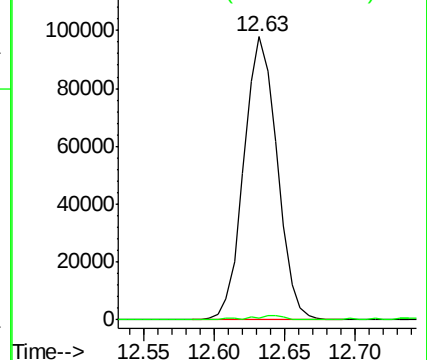
75 100

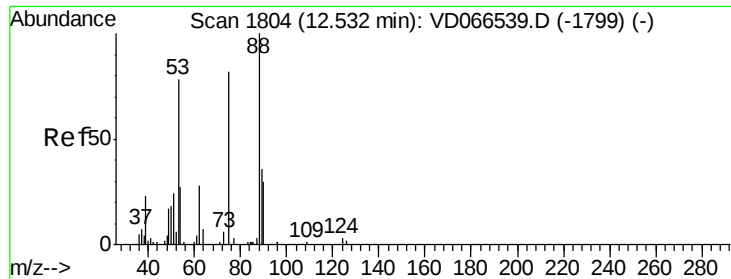
77 2.0 0.0 0.0#



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: 144.146 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066581.D

Acq: 09 Sep 2020 14:19

Instrument :

MSVOA_D

ClientSampleId :

TP-3

Tgt Ion: 75 Resp: 162043

Ion Ratio Lower Upper

75 100

53 0.0 87.0 130.4#

89 0.2 37.1 55.7#

