

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066593.D
 Acq On : 09 Sep 2020 19:49
 Operator : VA/SY
 Sample : L3919-16
 Misc : 7.36G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-15

Quant Time: Sep 10 01:41:52 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	317771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	628876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	589983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	254343	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	239369	62.26	ug/l	0.00
Spiked Amount			Recovery	=	124.52%	
35) Dibromofluoromethane	7.91	113	220780	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
50) Toluene-d8	10.34	98	796349	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	
62) 4-Bromofluorobenzene	12.63	95	255709	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	

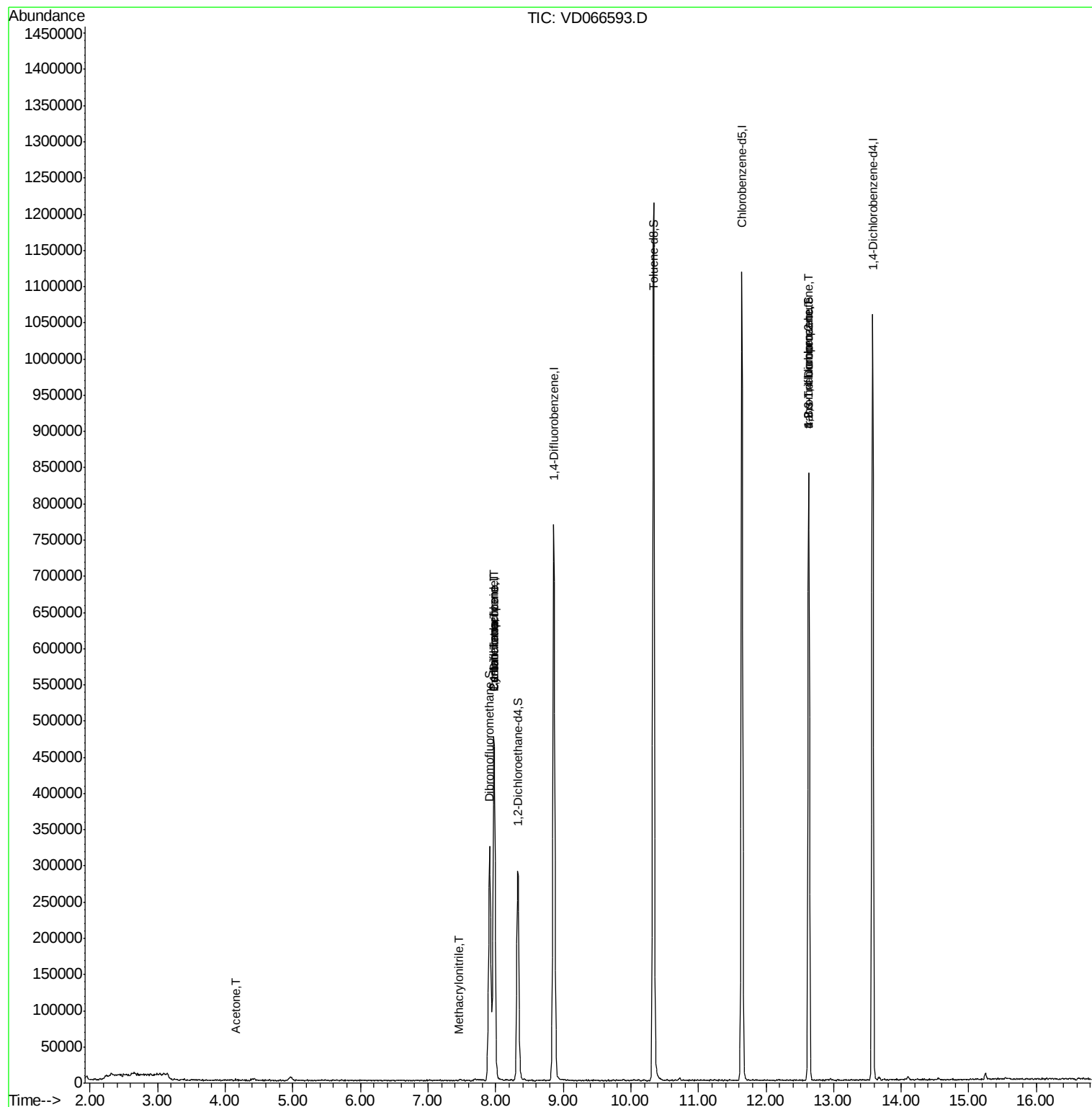
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	257	Below Cal	#	46
5) Bromomethane	2.78	94	451	Below Cal		83
16) Acetone	4.16	43	797	1.127	ug/l #	89
20) Methylene Chloride	4.98	84	3520	Below Cal	#	95
31) Cyclohexane	7.97	56	9474	1.510	ug/l #	18
36) 1,1-Dichloropropene	7.97	75	29637	4.528	ug/l #	44
38) Carbon Tetrachloride	7.98	117	37343	5.398	ug/l #	18
41) Methacrylonitrile	7.47	41	1784	1.414	ug/l #	23
76) 1,2,3-Trichloropropane	12.63	75	147866	60.450	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	147866	141.129	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: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066593.D

Acq: 09 Sep 2020 19:49

Instrument :

MSVOA_D

ClientSampleId :

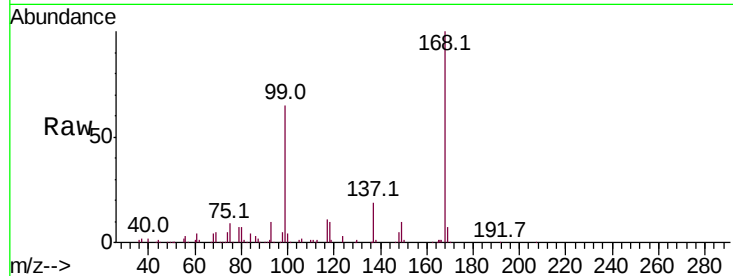
TP-15

Tot Ion:168 Resp: 317771

Ion Ratio Lower Upper

168 100

99 64.7 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

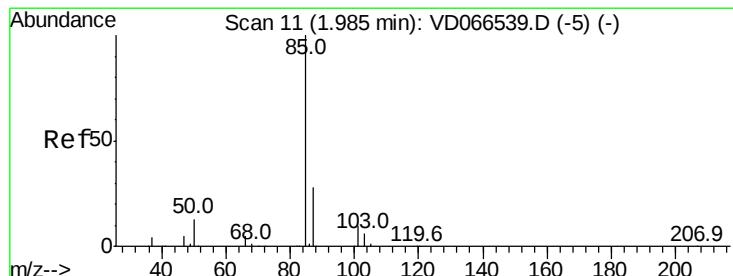
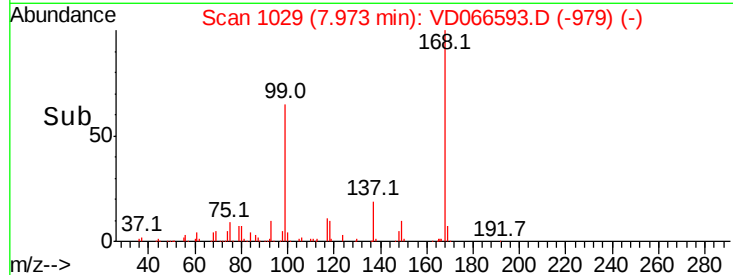
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066593.D

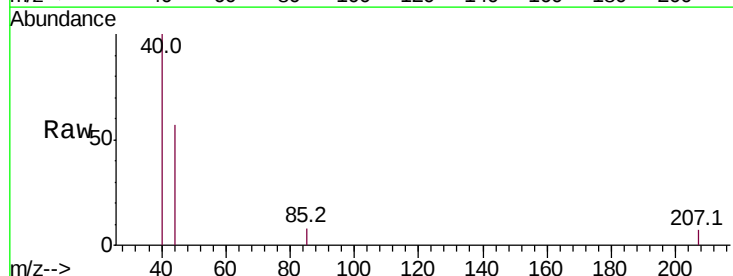
Acq: 09 Sep 2020 19:49

Tgt Ion: 85 Resp: 257

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

1.99

300

250

200

150

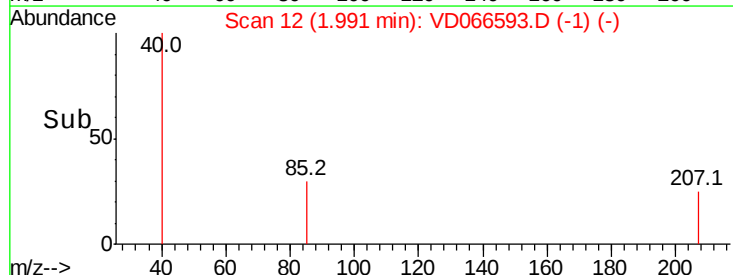
100

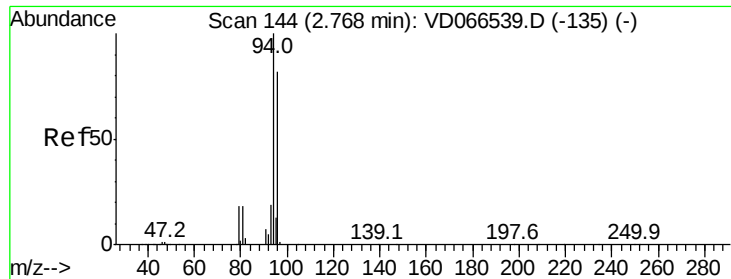
50

0

1.96 1.98 2.00

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066593.D

Acq: 09 Sep 2020 19:49

Instrument :

MSVOA_D

ClientSampleId :

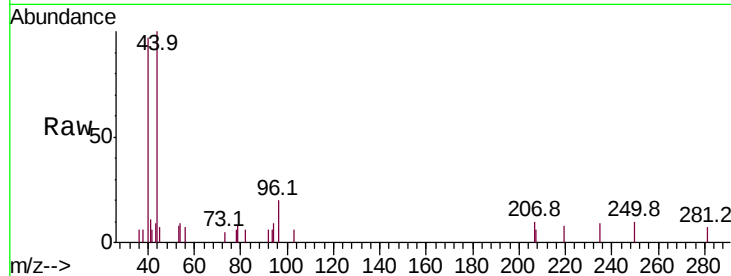
TP-15

Tot Ion: 94 Resp: 451

Ion Ratio Lower Upper

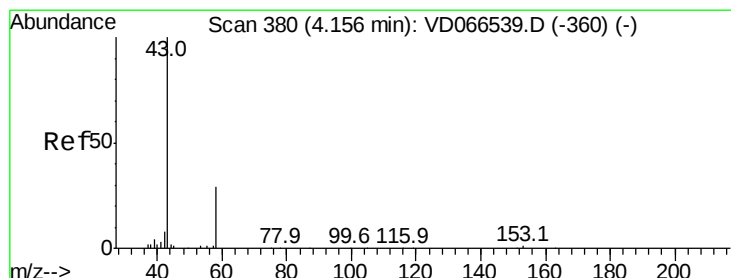
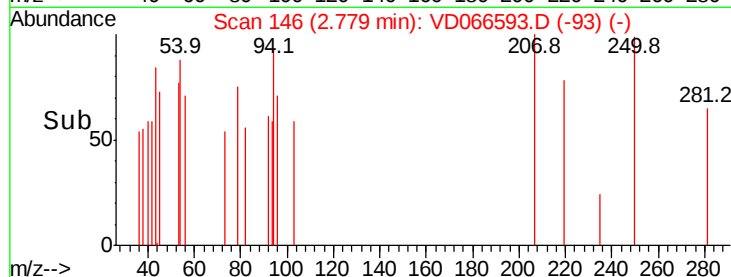
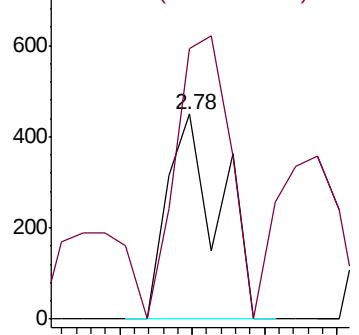
94 100

96 96.2 65.2 97.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#16

Acetone

Concen: 1.127 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066593.D

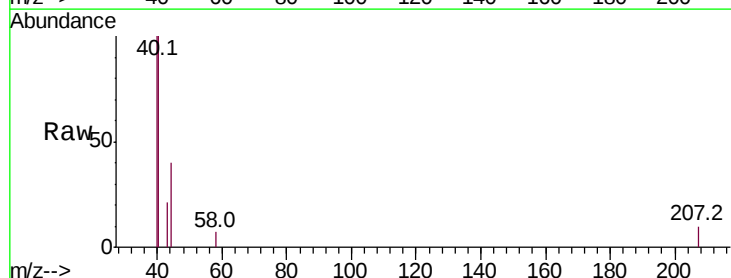
Acq: 09 Sep 2020 19:49

Tgt Ion: 43 Resp: 797

Ion Ratio Lower Upper

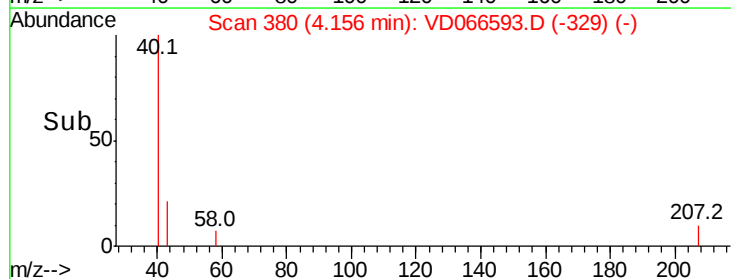
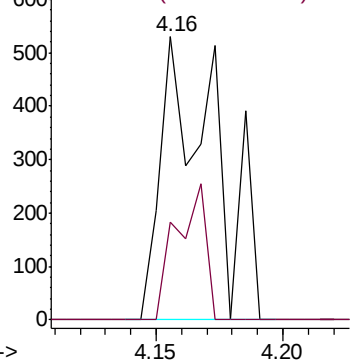
43 100

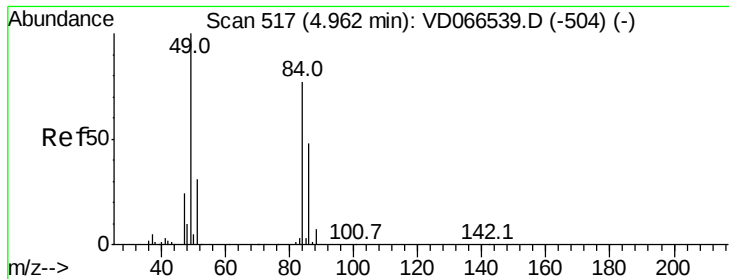
58 34.3 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



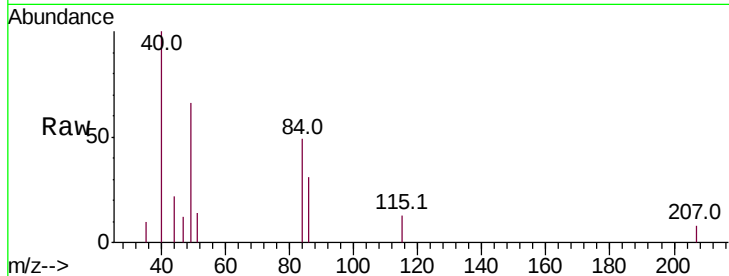


#20

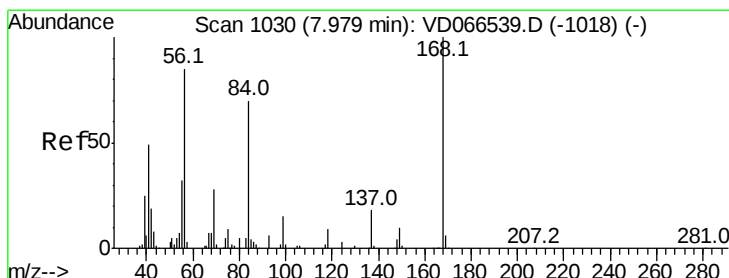
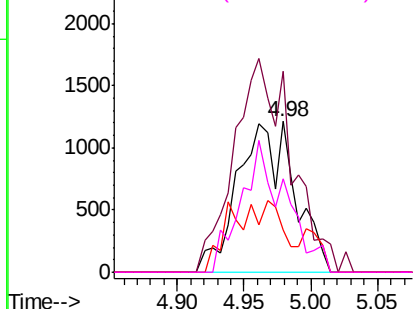
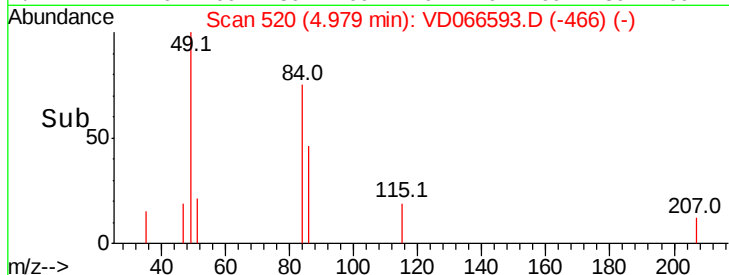
Methvlene Chloride
 Concen: Below Cal
 RT: 4.98 min Scan# 520
 Delta R.T. 0.02 min
 Lab File: VD066593.D
 Acq: 09 Sep 2020 19:49

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-15

Tot Ion: 84 Resp: 3520
 Ion Ratio Lower Upper
 84 100
 49 133.8 104.3 156.5
 51 28.4 32.2 48.4#
 86 62.2 50.0 75.0



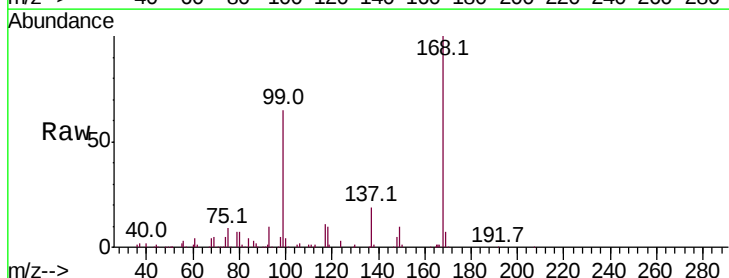
Abundance Ion 83.90 (83.60 to 84.60): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC



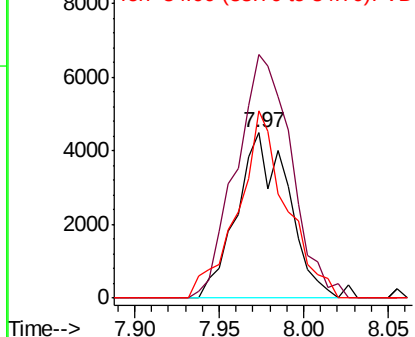
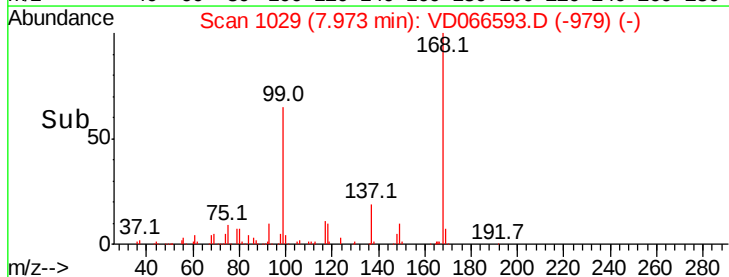
#31

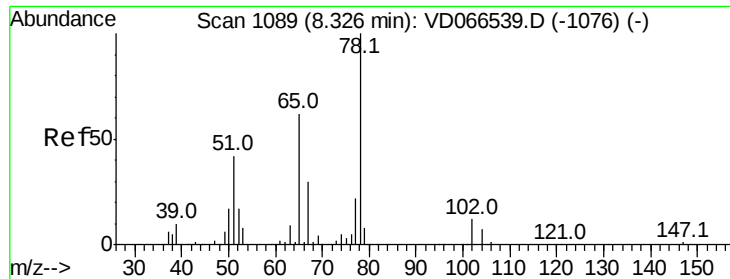
Cyclohexane
 Concen: 1.510 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VD066593.D
 Acq: 09 Sep 2020 19:49

Tgt Ion: 56 Resp: 9474
 Ion Ratio Lower Upper
 56 100
 69 147.5 26.3 39.5#
 84 113.4 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

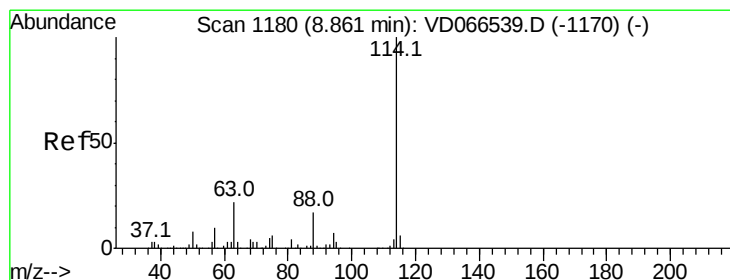
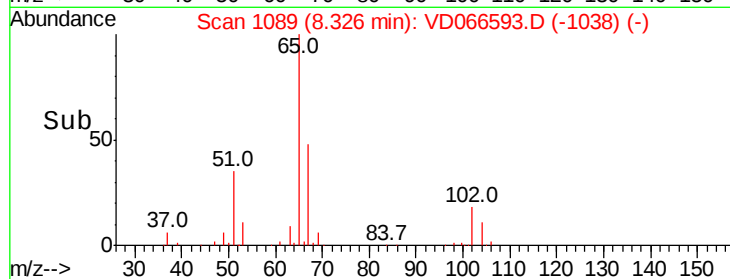
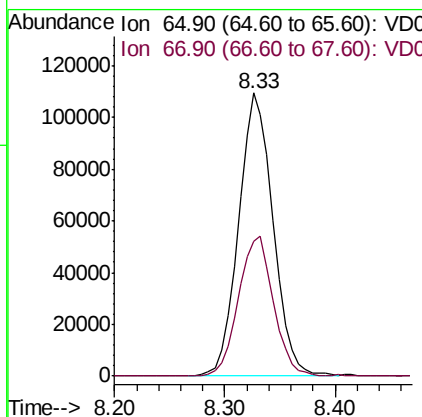
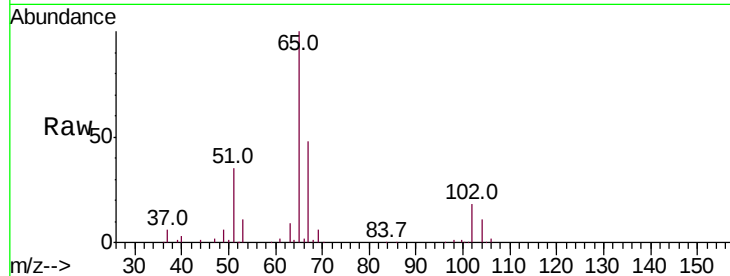




#33
 1,2-Dichloroethane-d4
 Concen: 62.259 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066593.D
 Acq: 09 Sep 2020 19:49

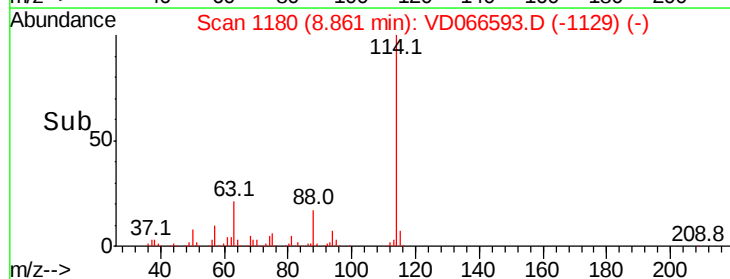
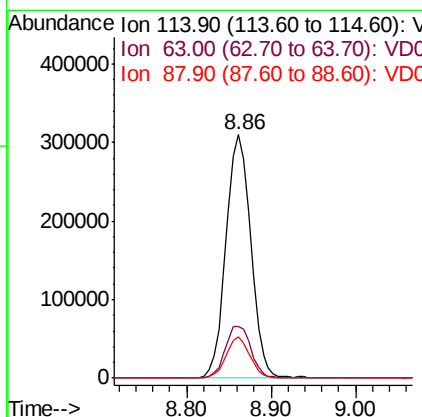
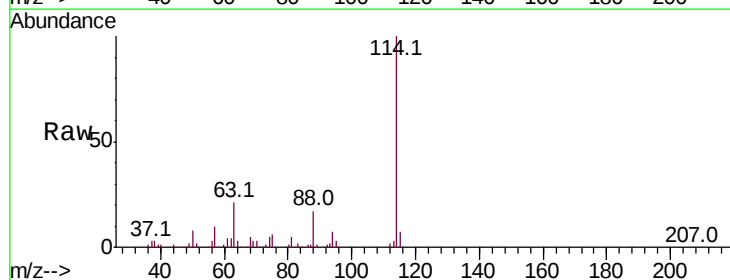
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-15

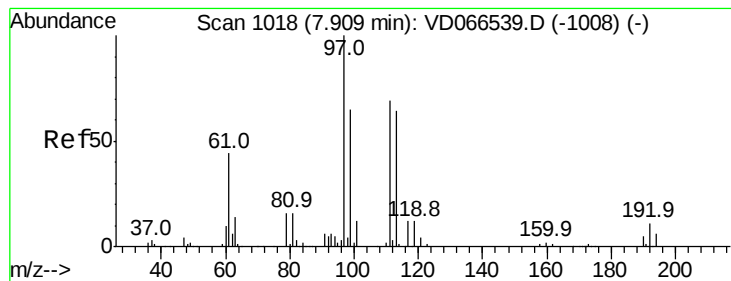
Tot Ion: 65 Resp: 239369
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066593.D
 Acq: 09 Sep 2020 19:49

Tgt Ion: 114 Resp: 628876
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.2
 88 16.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 52.041 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066593.D

Acq: 09 Sep 2020 19:49

Instrument :

MSVOA_D

ClientSampleId :

TP-15

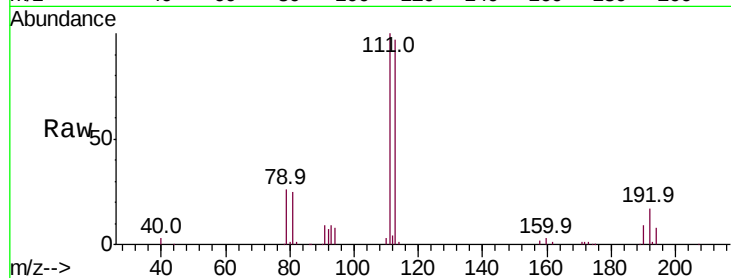
Tot Ion:113 Resp: 220780

Ion Ratio Lower Upper

113 100

111 103.7 83.2 124.8

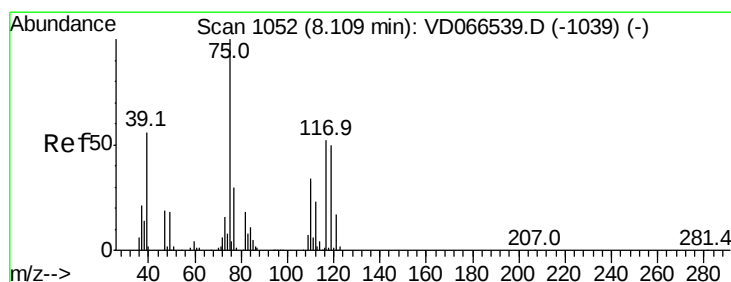
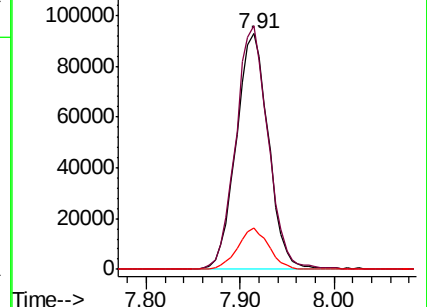
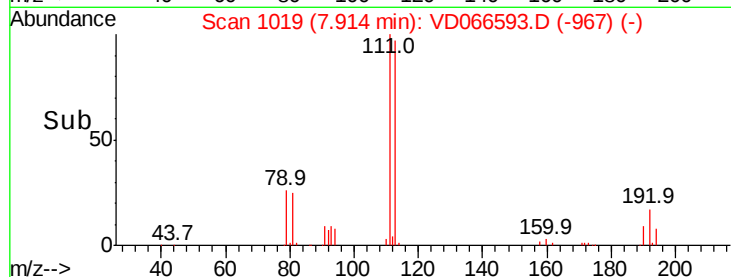
192 17.1 13.7 20.5



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



#36

1,1-Dichloropropene

Concen: 4.528 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066593.D

Acq: 09 Sep 2020 19:49

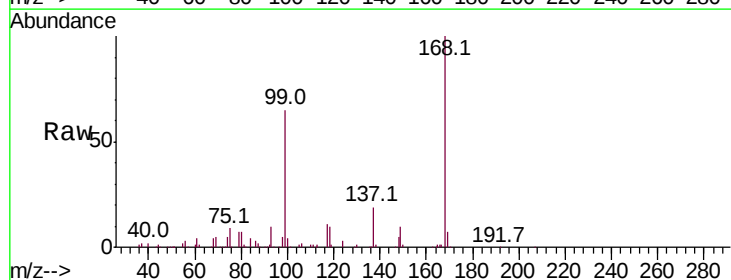
Tgt Ion: 75 Resp: 29637

Ion Ratio Lower Upper

75 100

110 2.6 17.3 52.0#

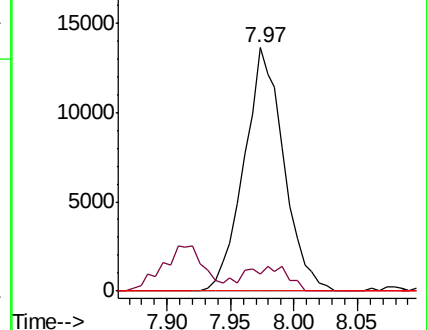
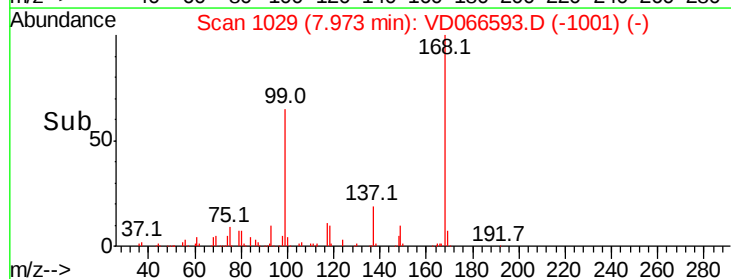
77 0.0 25.1 37.7#

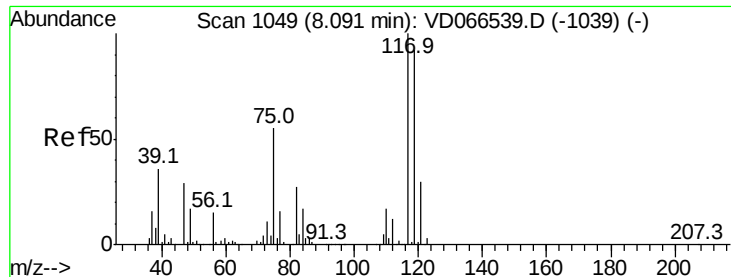


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.398 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066593.D

Acq: 09 Sep 2020 19:49

Instrument :

MSVOA_D

ClientSampled :

TP-15

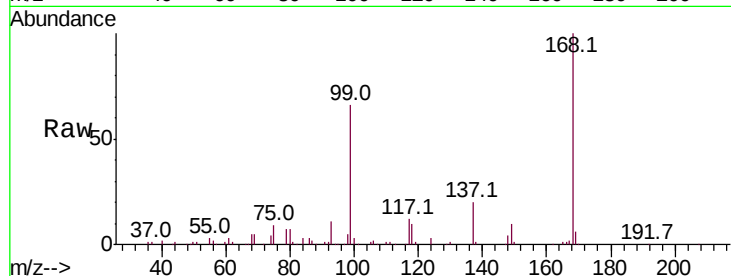
Tot Ion:117 Resp: 37343

Ion Ratio Lower Upper

117 100

119 5.4 73.9 110.9#

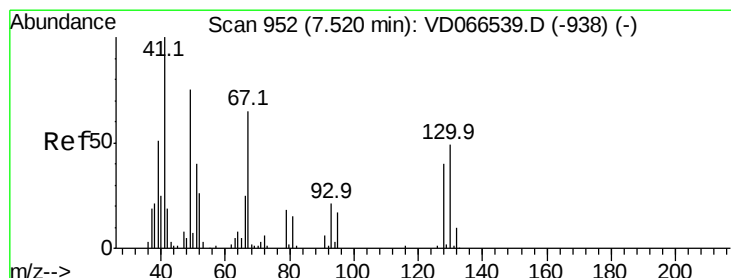
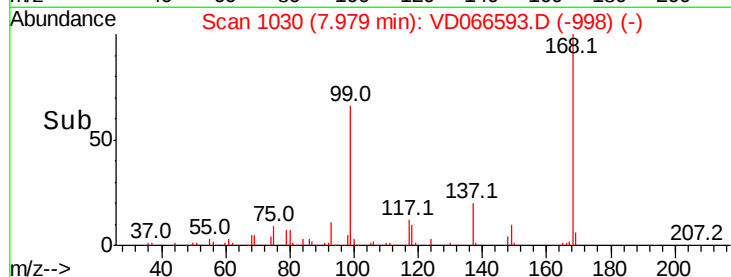
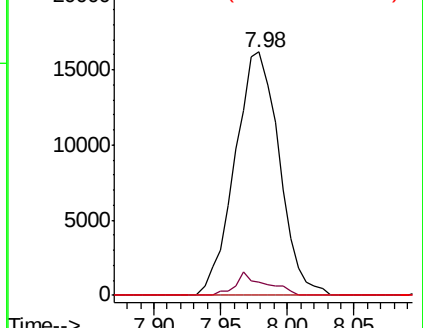
121 0.0 24.1 36.1#



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



#41

Methacrylonitrile

Concen: 1.414 ug/l

RT: 7.47 min Scan# 943

Delta R.T. -0.05 min

Lab File: VD066593.D

Acq: 09 Sep 2020 19:49

Tgt Ion: 41 Resp: 1784

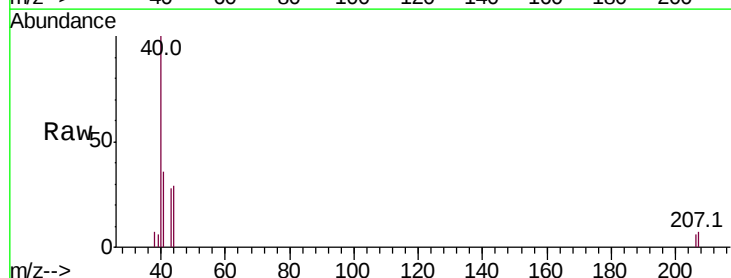
Ion Ratio Lower Upper

41 100

39 7.1 53.6 80.4#

67 0.0 59.2 88.8#

52 0.0 26.8 40.2#

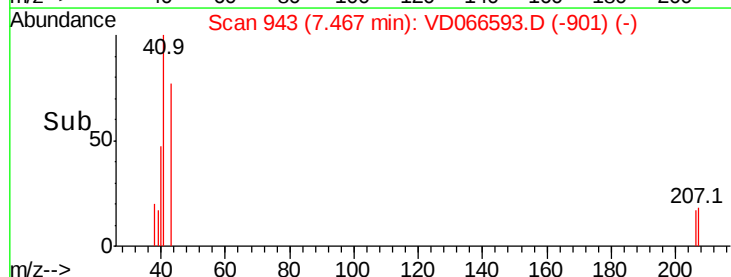
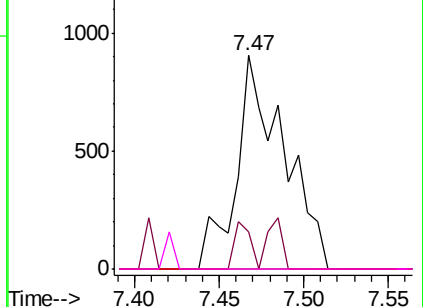


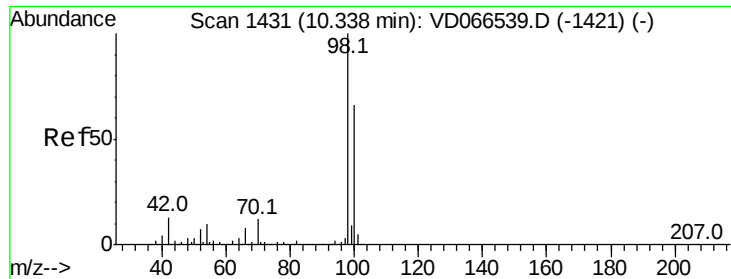
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

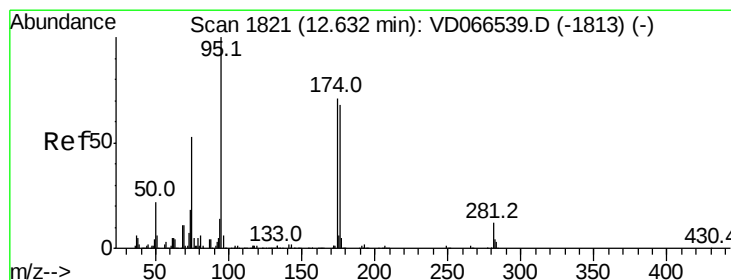
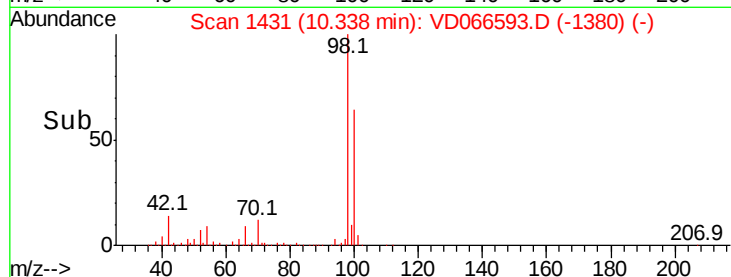
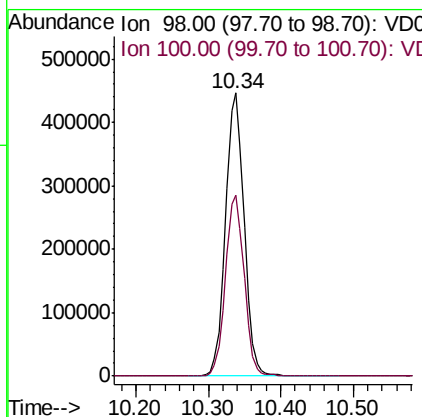
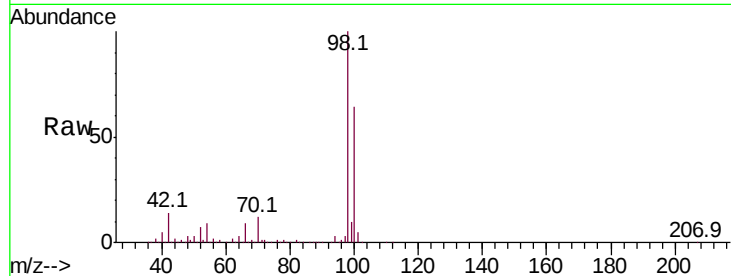




#50
Toluene-d8
Concen: 52.519 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066593.D
Acq: 09 Sep 2020 19:49

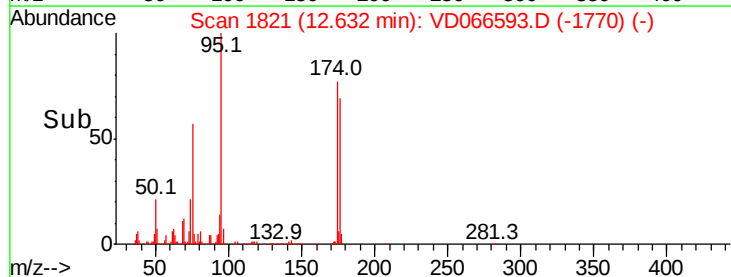
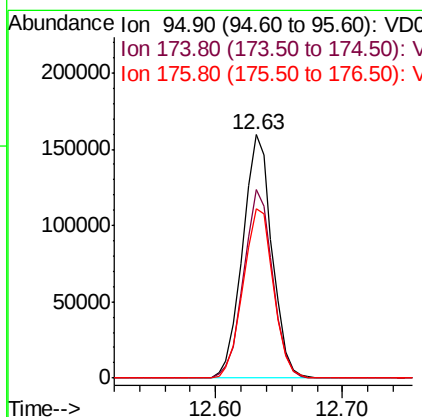
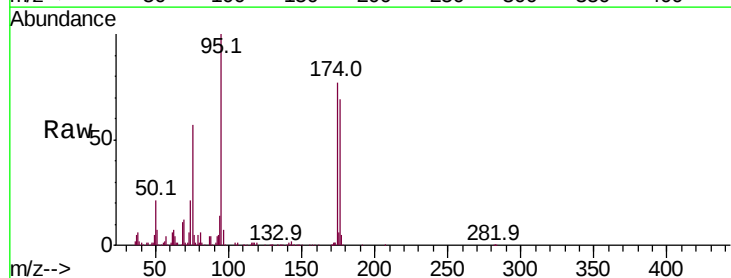
Instrument :
MSVOA_D
ClientSampled :
TP-15

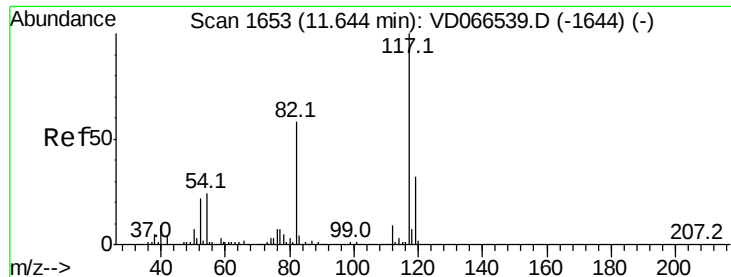
Tot Ion: 98 Resp: 796349
Ion Ratio Lower Upper
98 100
100 64.4 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 50.858 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066593.D
Acq: 09 Sep 2020 19:49

Tgt Ion: 95 Resp: 255709
Ion Ratio Lower Upper
95 100
174 76.7 0.0 155.8
176 71.9 0.0 148.6

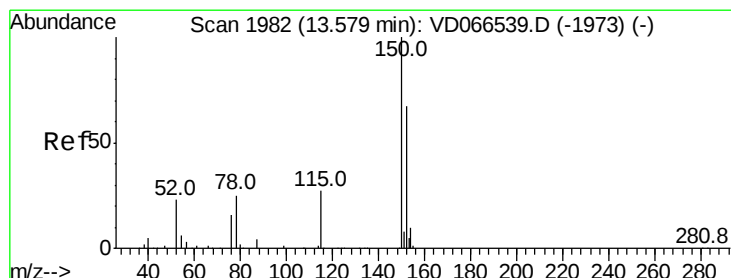
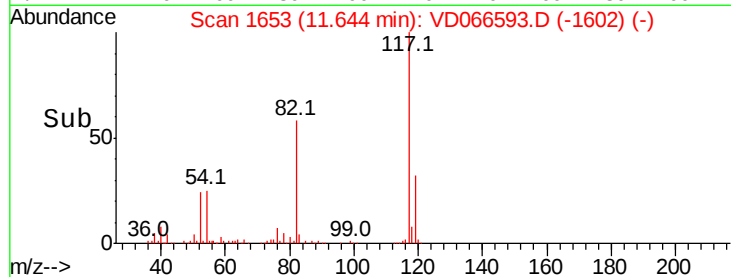
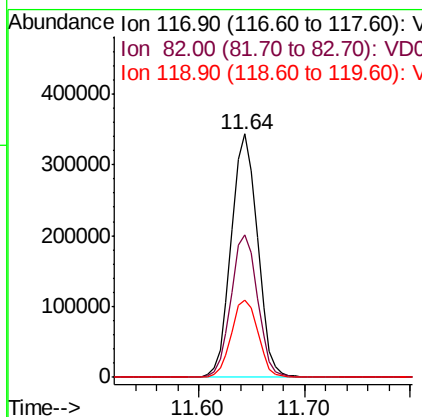
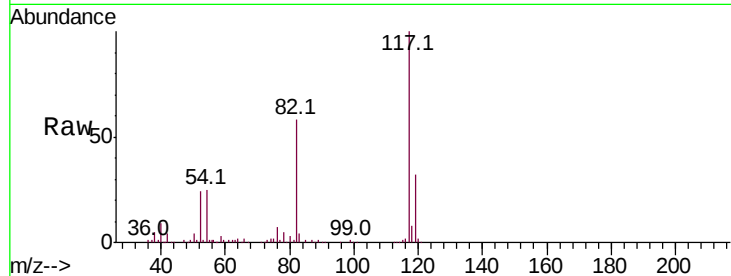




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066593.D
Acq: 09 Sep 2020 19:49

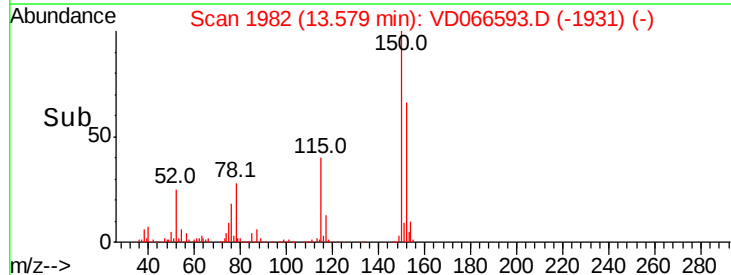
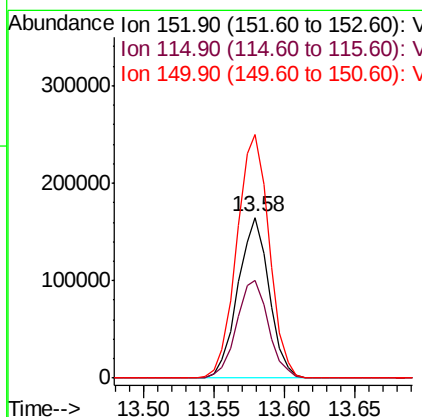
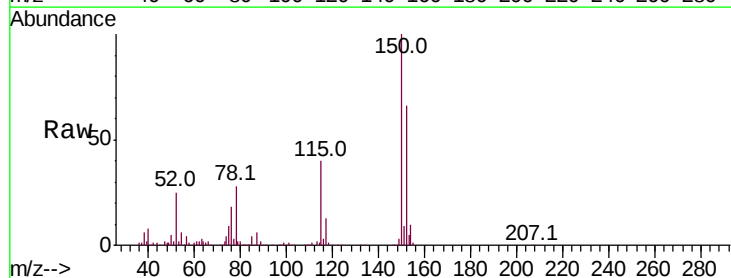
Instrument :
MSVOA_D
ClientSampleId :
TP-15

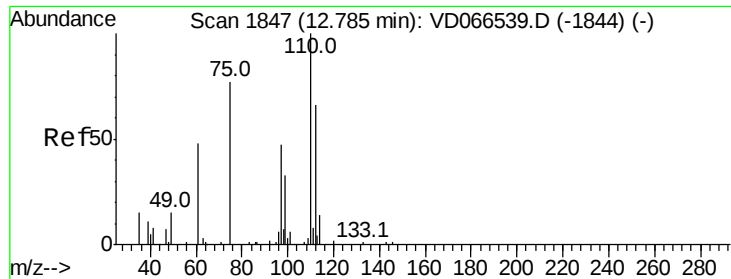
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.2	69.2
119	31.6	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066593.D
Acq: 09 Sep 2020 19:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.3	30.4	91.2
150	157.5	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 60.450 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066593.D

Acq: 09 Sep 2020 19:49

Instrument :

MSVOA_D

ClientSampled :

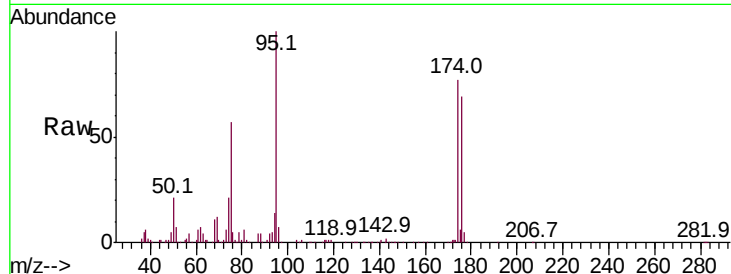
TP-15

Tot Ion: 75 Resp: 147866

Ion Ratio Lower Upper

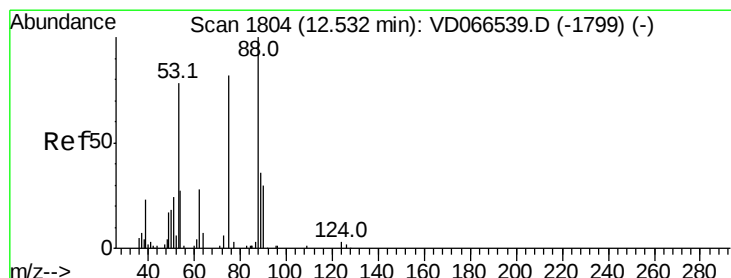
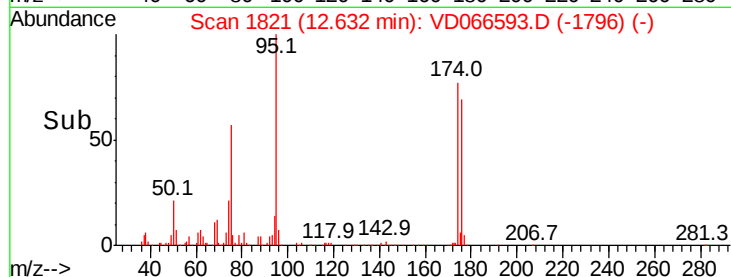
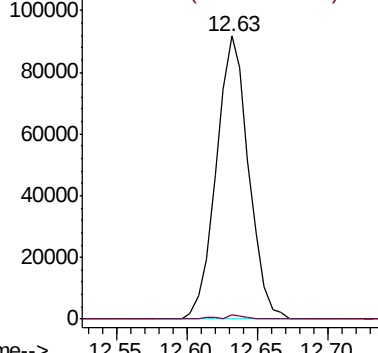
75 100

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: 141.129 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066593.D

Acq: 09 Sep 2020 19:49

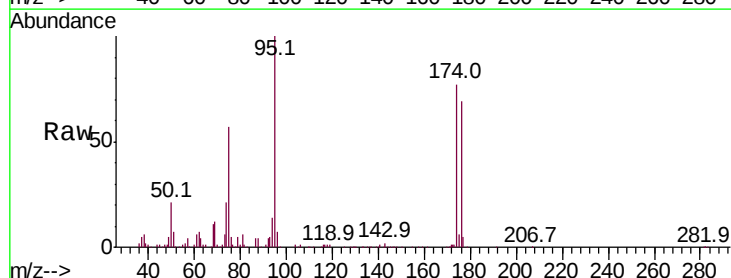
Tgt Ion: 75 Resp: 147866

Ion Ratio Lower Upper

75 100

53 0.2 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

