

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066620.D
 Acq On : 10 Sep 2020 17:05
 Operator : VA/SY
 Sample : L3951-04
 Misc : 3.77G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PC-3

Quant Time: Sep 11 02:08:59 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	345949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	650838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	618259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	276669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	239389	57.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.38%	
35) Dibromofluoromethane	7.91	113	219520	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.34	98	822520	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.63	95	281427	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	

Target Compounds

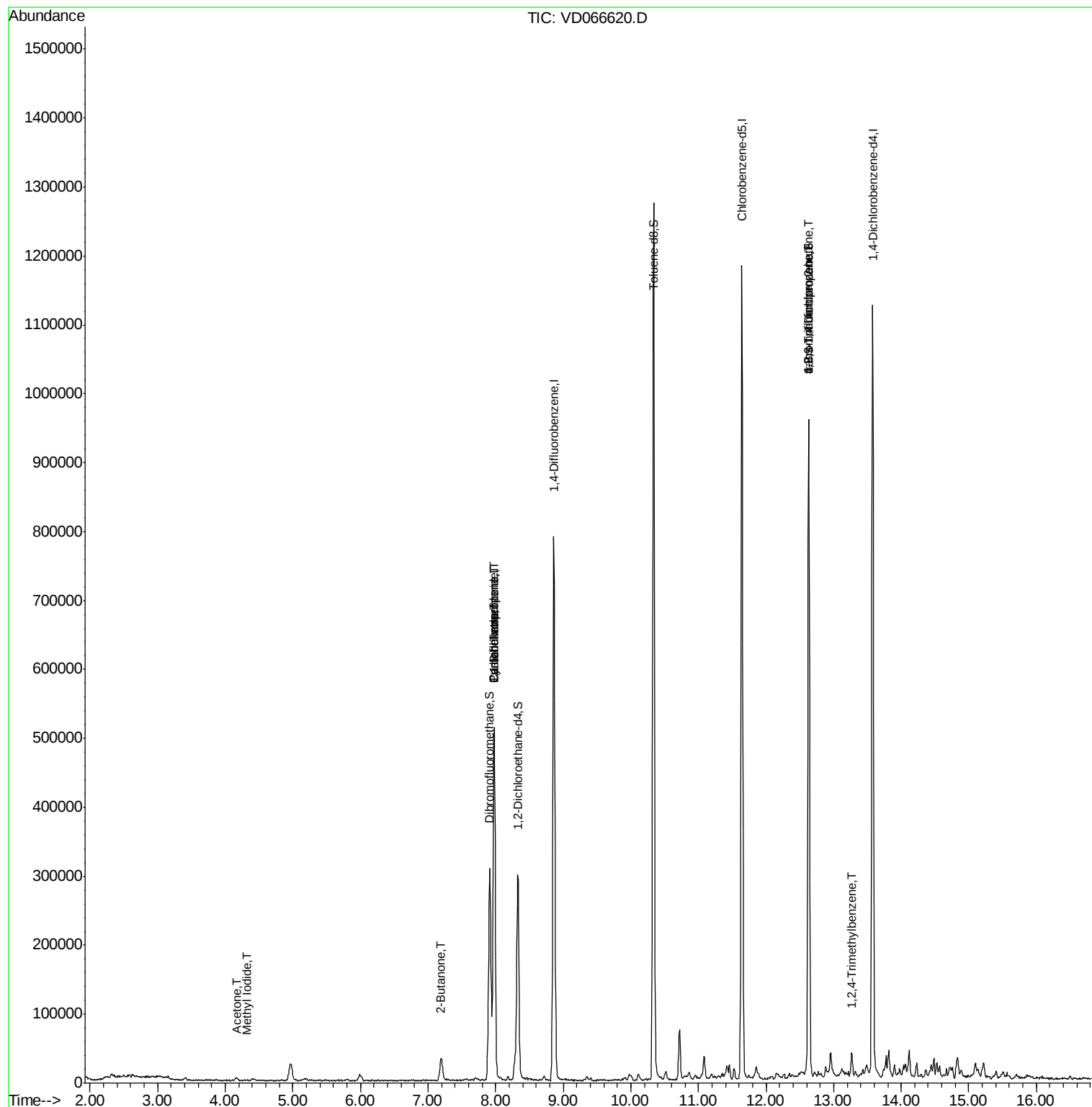
						Qvalue
2) Dichlorodifluoromethane	1.99	85	536	Below Cal	#	46
5) Bromomethane	2.76	94	196	Below Cal	#	9
10) Methyl Iodide	4.32	142	83	4.045	ug/l #	35
11) Tert butyl alcohol	5.19	59	3687	Below Cal	#	74
16) Acetone	4.16	43	7279	9.451	ug/l	91
20) Methylene Chloride	4.96	84	17665	Below Cal		89
25) 2-Butanone	7.19	43	2429	2.349	ug/l #	51
31) Cyclohexane	7.98	56	10599	1.552	ug/l #	55
36) 1,1-Dichloropropene	7.98	75	35071	5.178	ug/l #	52
38) Carbon Tetrachloride	7.97	117	41367	5.778	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	160724	60.404	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	160724	141.022	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.27	105	17245	1.005	ug/l	98

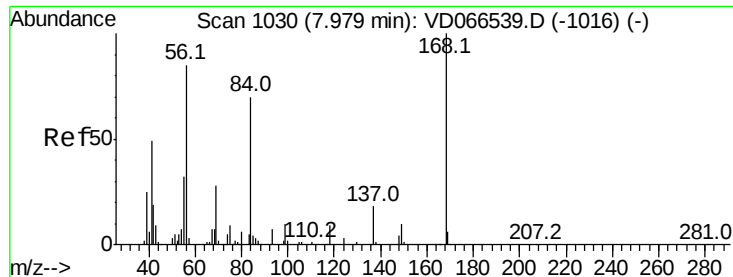
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066620.D

Acq: 10 Sep 2020 17:05

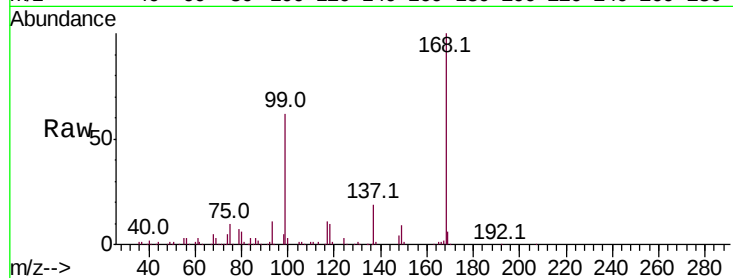
Instrument :
MSVOA_D
ClientSampled :
PC-3

Tot Ion:168 Resp: 345949

Ion Ratio Lower Upper

168 100

99 62.2 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

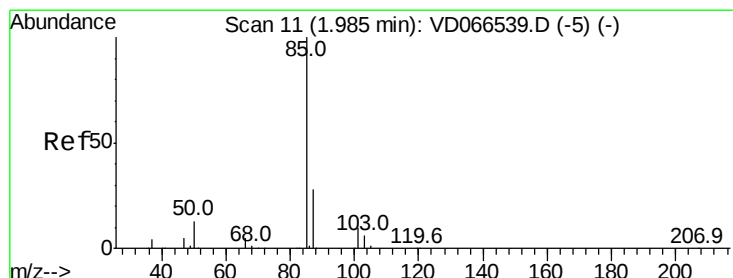
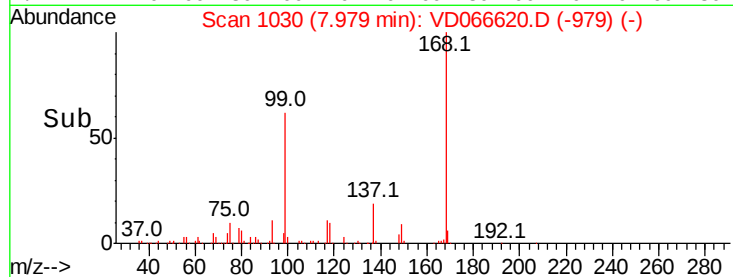
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066620.D

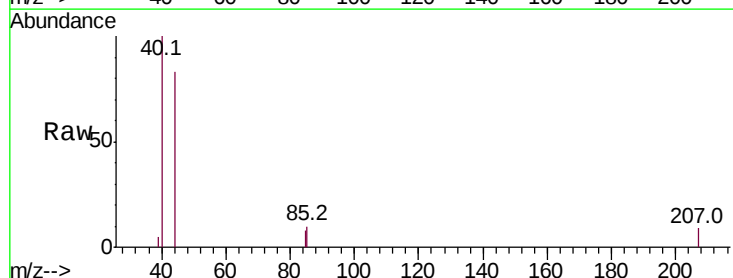
Acq: 10 Sep 2020 17:05

Tgt Ion: 85 Resp: 536

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

600

500

400

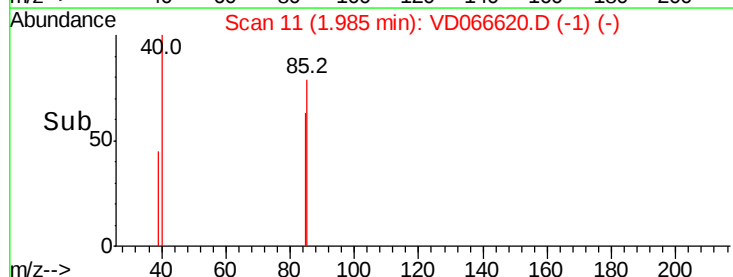
300

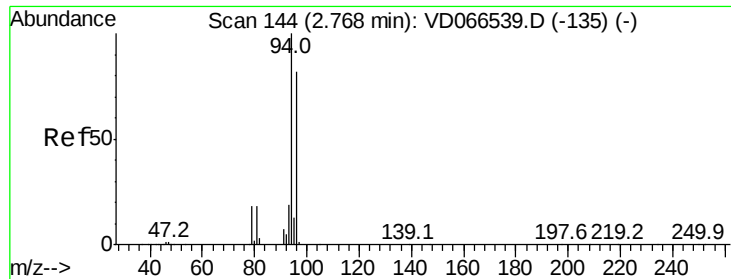
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066620.D

Acq: 10 Sep 2020 17:05

Instrument :

MSVOA_D

ClientSampleId :

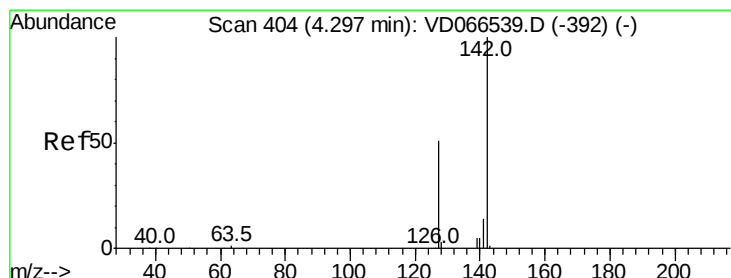
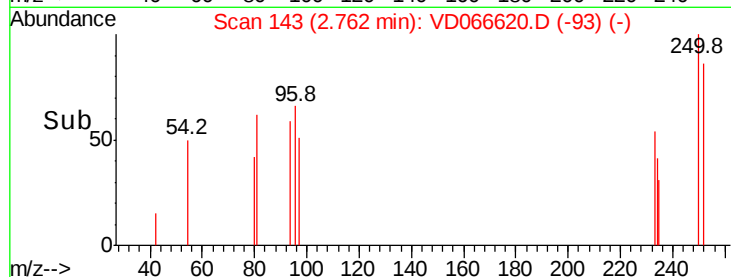
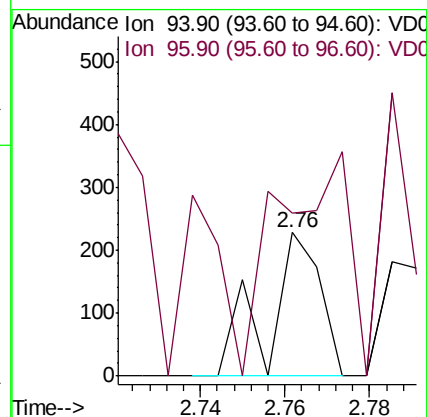
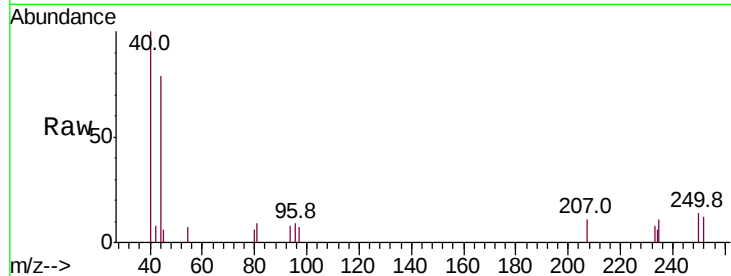
PC-3

Tot Ion: 94 Resp: 196

Ion Ratio Lower Upper

94 100

96 0.0 65.2 97.8#



#10

Methyl Iodide

Concen: 4.045 ug/l

RT: 4.32 min Scan# 408

Delta R.T. 0.02 min

Lab File: VD066620.D

Acq: 10 Sep 2020 17:05

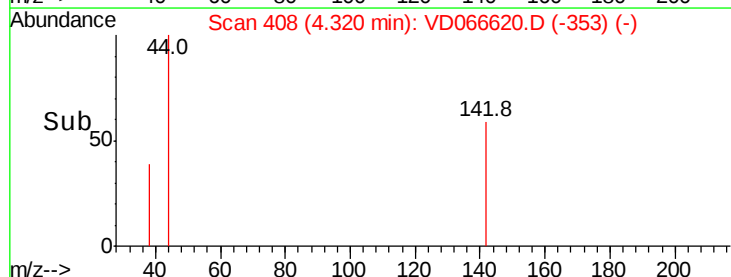
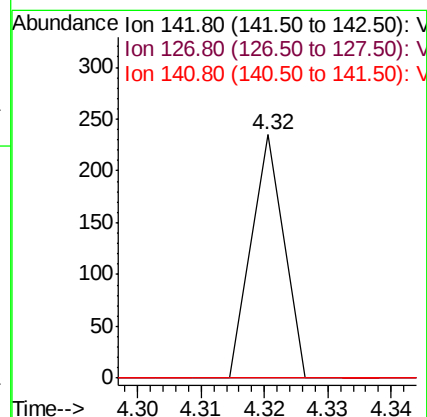
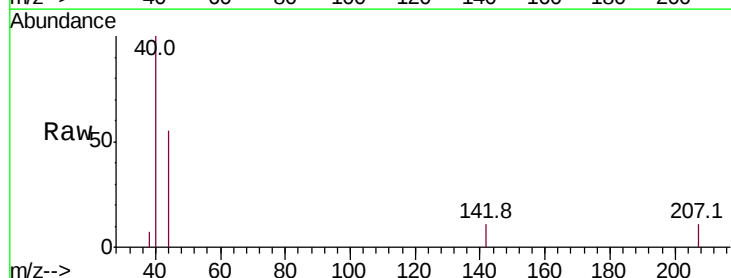
Tgt Ion: 142 Resp: 83

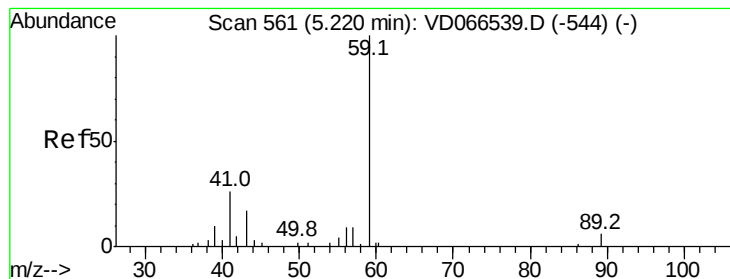
Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

141 0.0 12.2 18.4#



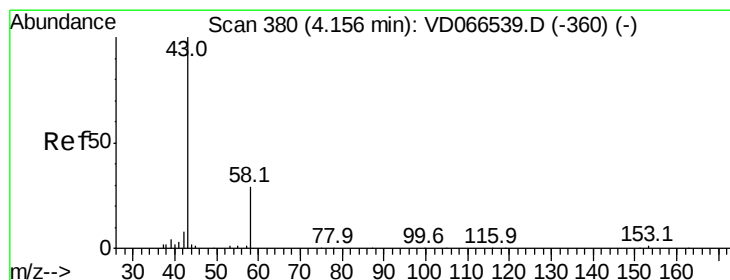
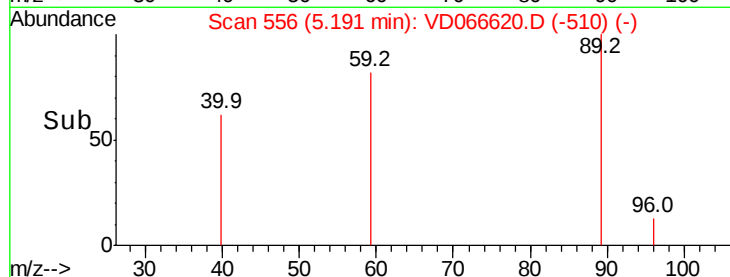
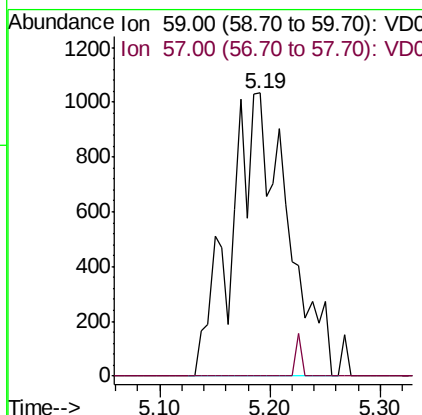
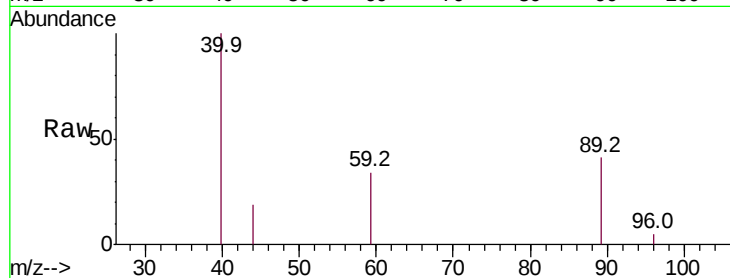


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD066620.D
 Acq: 10 Sep 2020 17:05

Instrument :
 MSVOA_D
 ClientSampleID :
 PC-3

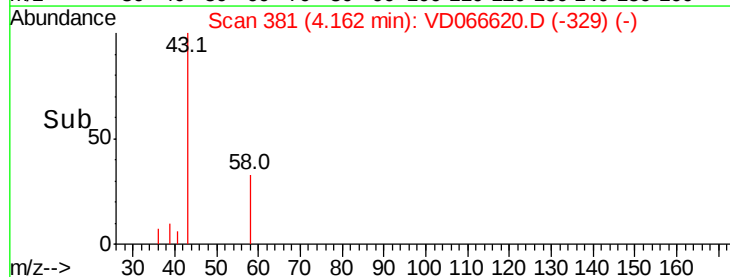
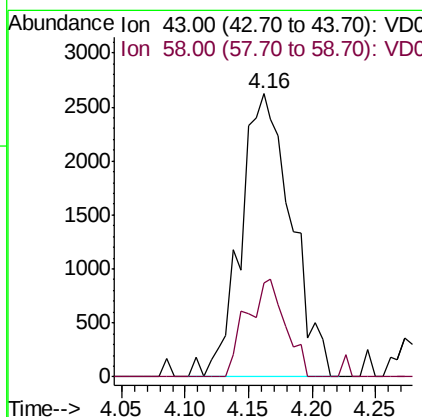
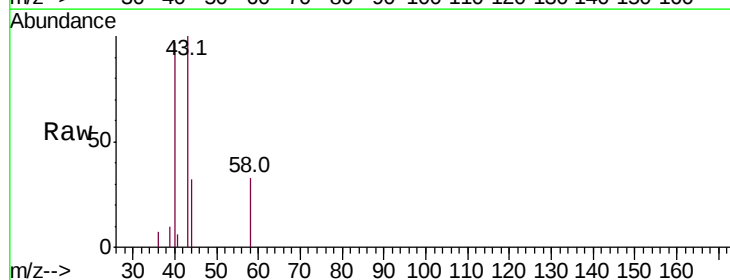
Tot Ion: 59 Resp: 3687
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

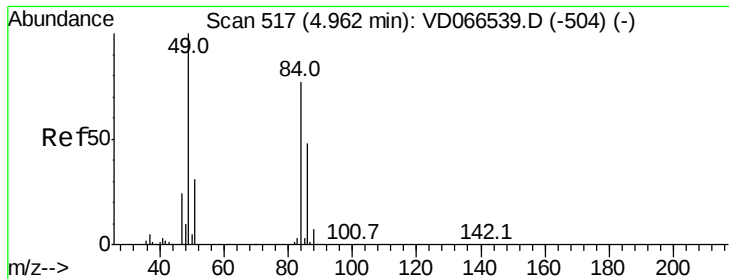


#16

Acetone
 Concen: 9.451 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066620.D
 Acq: 10 Sep 2020 17:05

Tgt Ion: 43 Resp: 7279
 Ion Ratio Lower Upper
 43 100
 58 33.3 22.9 34.3



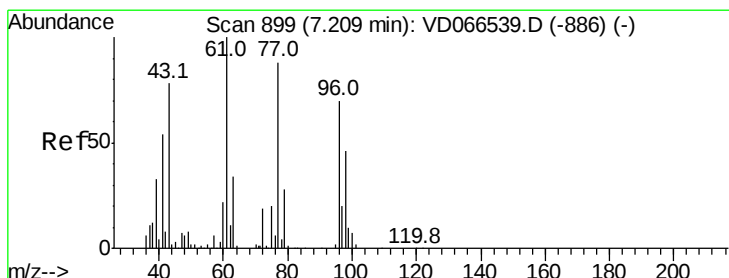
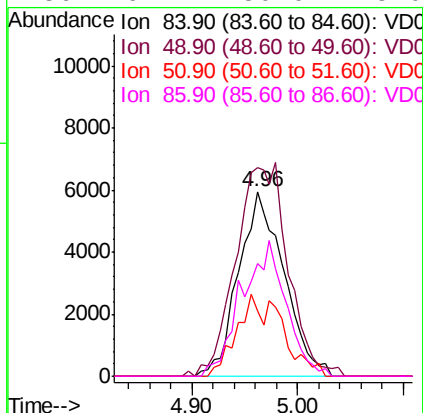
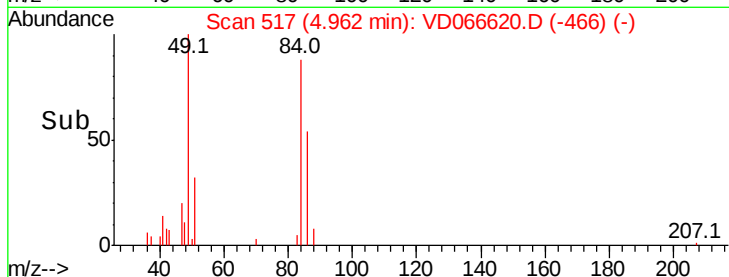
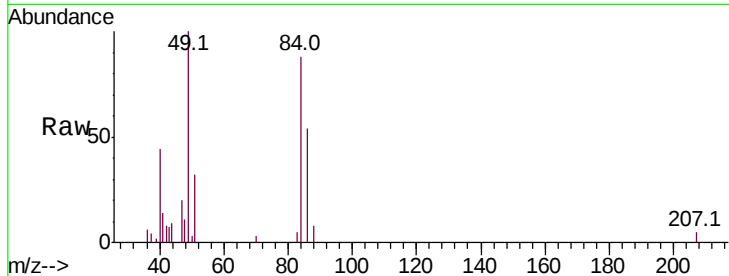


#20

Methylene Chloride
 Concen: Below Cal
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD066620.D
 Acq: 10 Sep 2020 17:05

Instrument :
 MSVOA_D
 ClientSampleID :
 PC-3

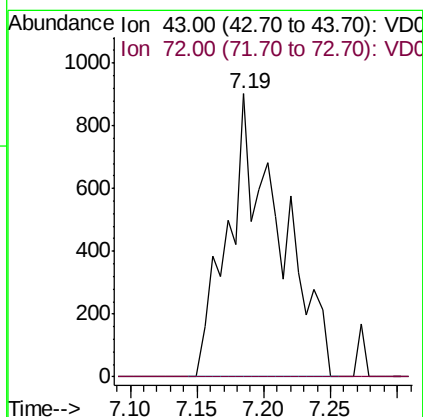
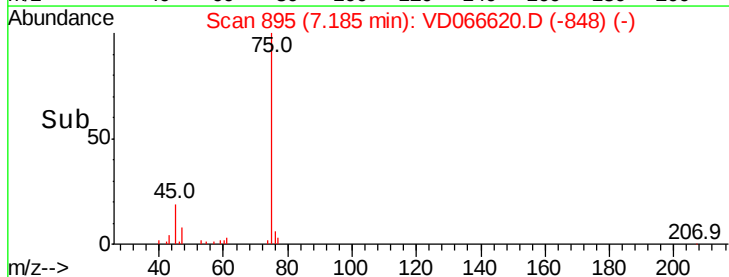
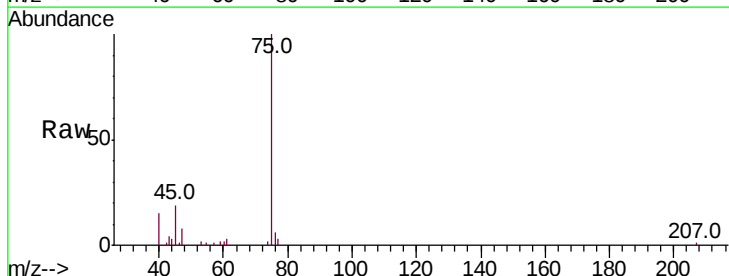
Tot Ion:	84	Resp:	17665
Ion	Ratio	Lower	Upper
84	100		
49	110.6	104.3	156.5
51	35.7	32.2	48.4
86	61.1	50.0	75.0

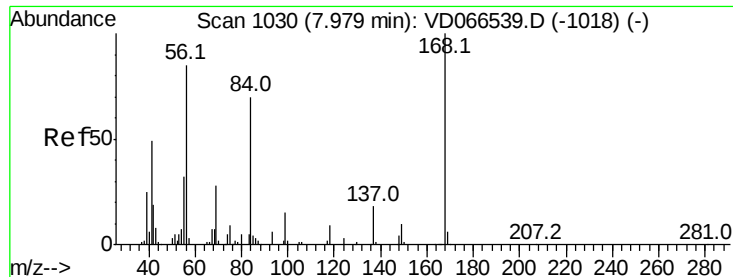


#25

2-Butanone
 Concen: 2.349 ug/l
 RT: 7.19 min Scan# 895
 Delta R.T. -0.02 min
 Lab File: VD066620.D
 Acq: 10 Sep 2020 17:05

Tgt Ion:	43	Resp:	2429
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.8	29.6#

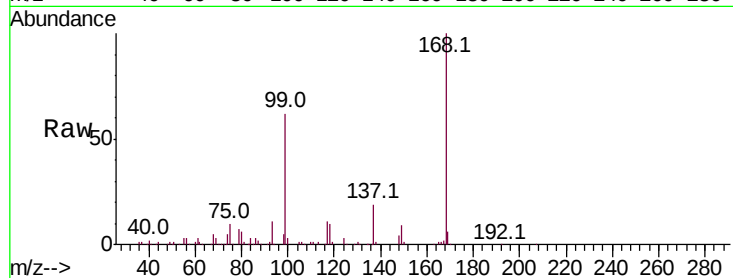




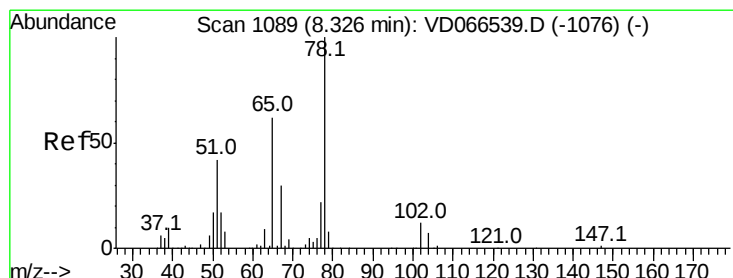
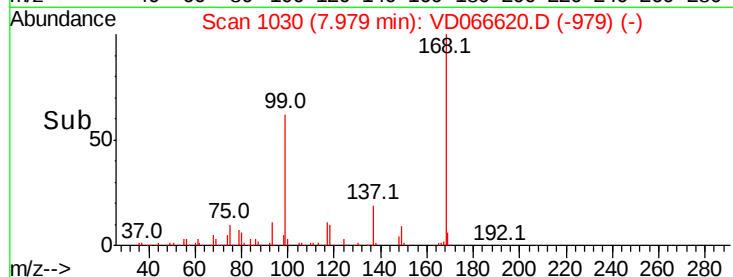
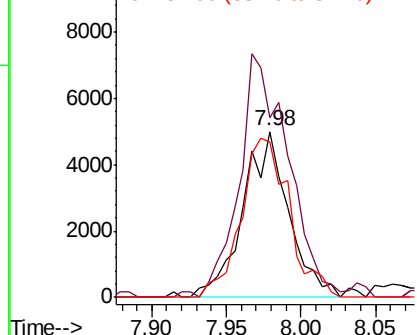
#31
Cyclohexane
Concen: 1.552 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066620.D
Acq: 10 Sep 2020 17:05

Instrument :
MSVOA_D
ClientSampled :
PC-3

Tot Ion	56	Resp	10599
Ion Ratio	Lower	Upper	
56	100		
69	105.0	26.3	39.5#
84	93.8	66.1	99.1

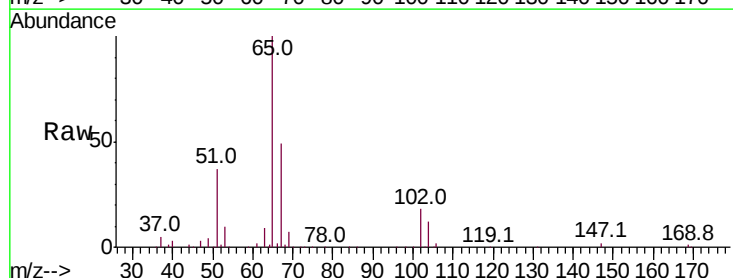


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

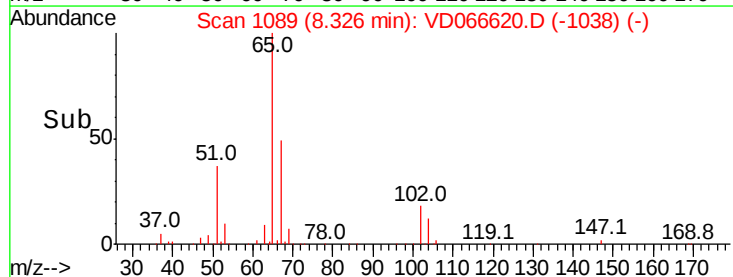
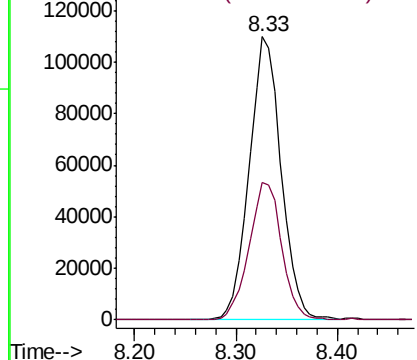


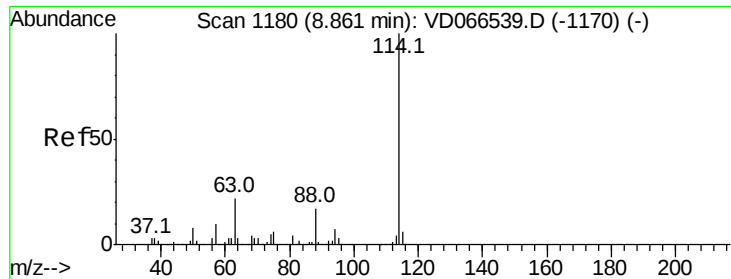
#33
1,2-Dichloroethane-d4
Concen: 57.193 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066620.D
Acq: 10 Sep 2020 17:05

Tgt Ion	65	Resp	239389
Ion Ratio	Lower	Upper	
65	100		
67	49.8	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: VD066620.D

Acq: 10 Sep 2020 17:05

Instrument :

MSVOA_D

ClientSampleId :

PC-3

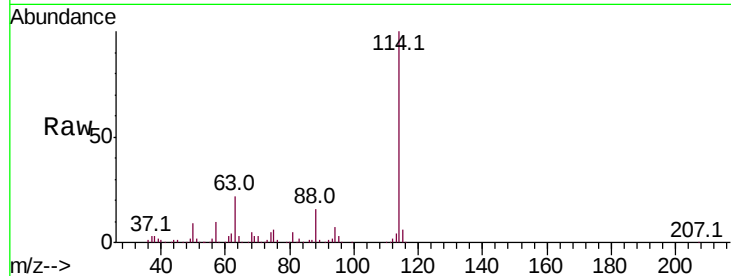
Tot Ion:114 Resp: 650838

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

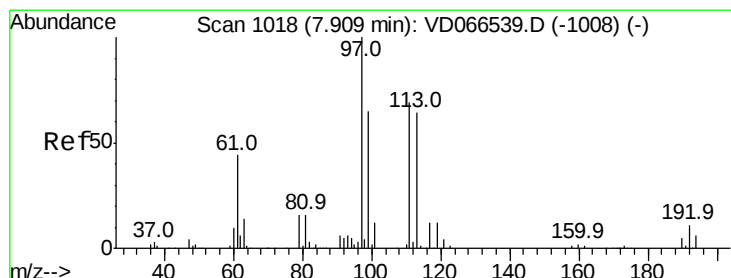
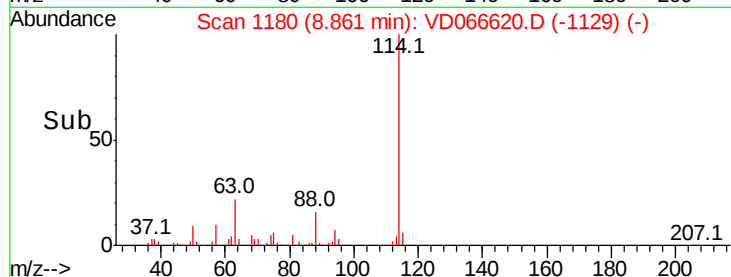
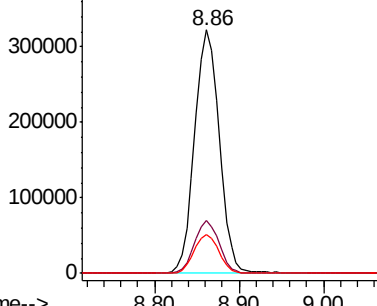
88 15.8 0.0 33.2



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: 49.998 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066620.D

Acq: 10 Sep 2020 17:05

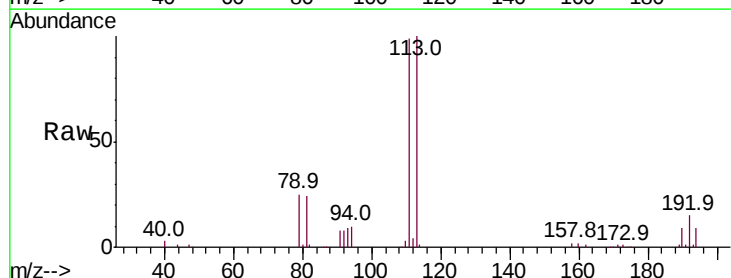
Tgt Ion:113 Resp: 219520

Ion Ratio Lower Upper

113 100

111 103.9 83.2 124.8

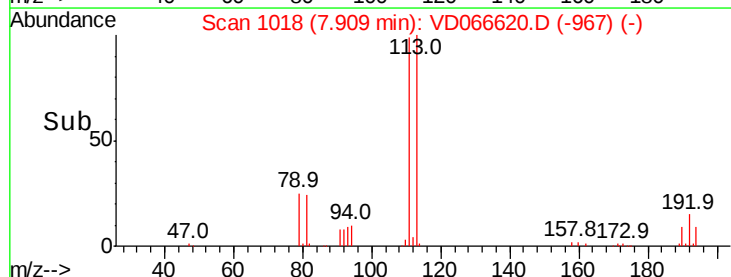
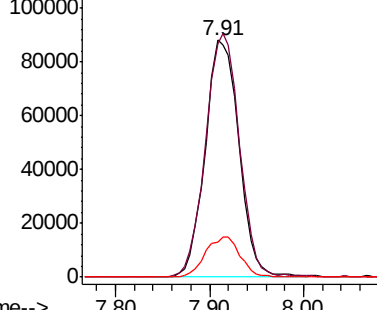
192 17.3 13.7 20.5

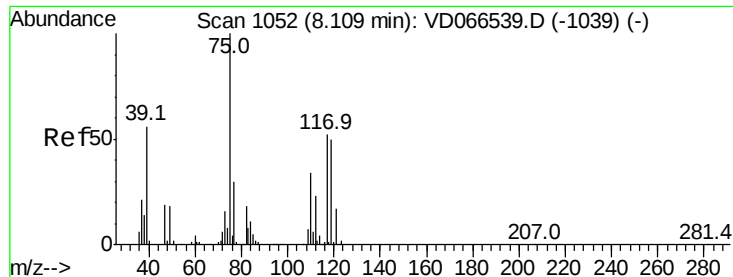


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.178 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066620.D

Acq: 10 Sep 2020 17:05

Instrument :

MSVOA_D

ClientSampled :

PC-3

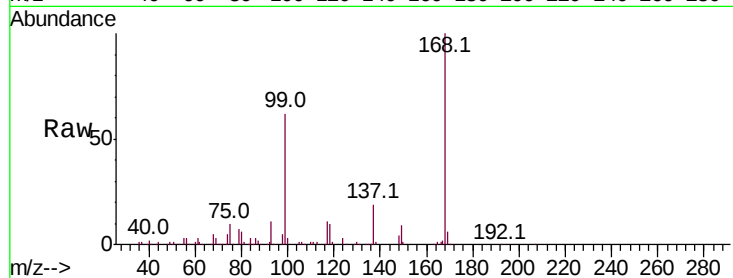
Tot Ion: 75 Resp: 35071

Ion Ratio Lower Upper

75 100

110 10.9 17.3 52.0#

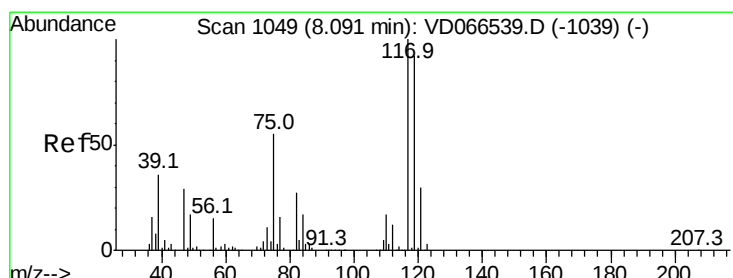
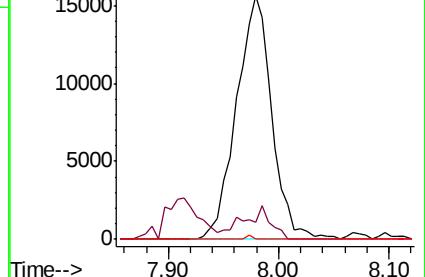
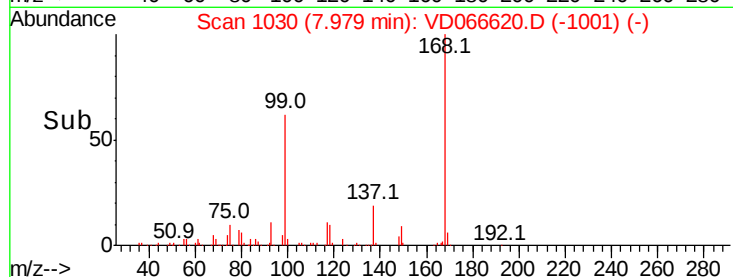
77 0.2 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VD066620.D (-998) (-)

Ion 109.90 (109.60 to 110.60): VD066620.D (-998) (-)

Ion 76.90 (76.60 to 77.60): VD066620.D (-998) (-)



#38

Carbon Tetrachloride

Concen: 5.778 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066620.D

Acq: 10 Sep 2020 17:05

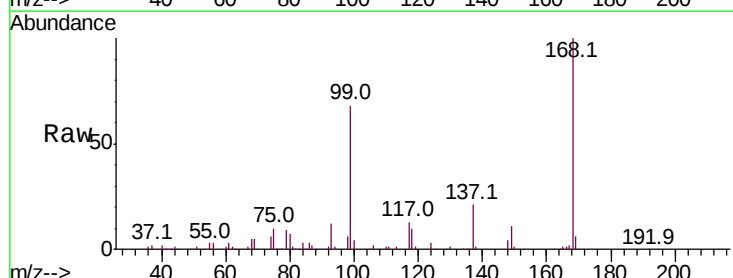
Tgt Ion: 117 Resp: 41367

Ion Ratio Lower Upper

117 100

119 4.9 73.9 110.9#

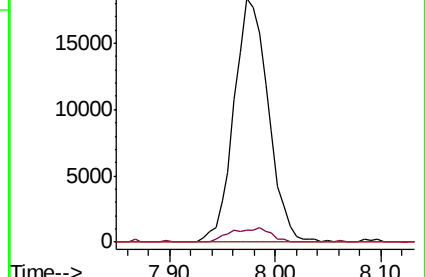
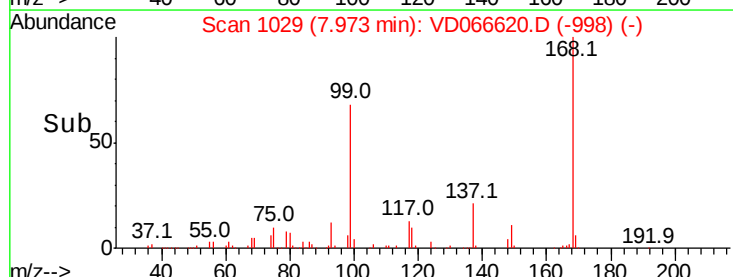
121 0.0 24.1 36.1#

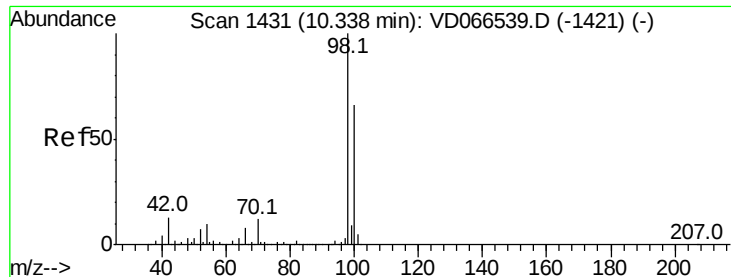


Abundance Ion 116.80 (116.50 to 117.50): VD066620.D (-998) (-)

Ion 118.80 (118.50 to 119.50): VD066620.D (-998) (-)

Ion 120.80 (120.50 to 121.50): VD066620.D (-998) (-)

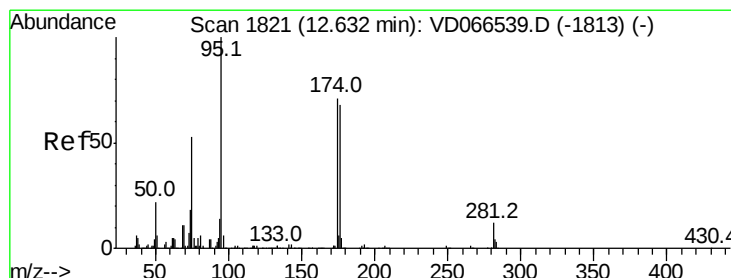
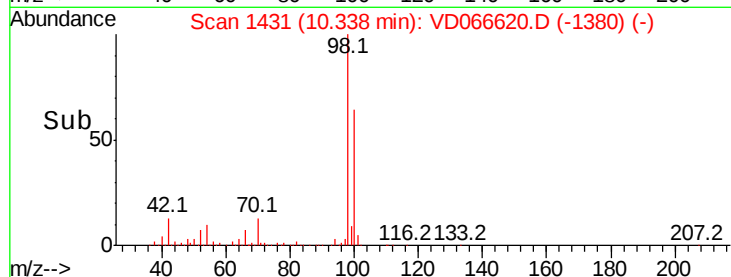
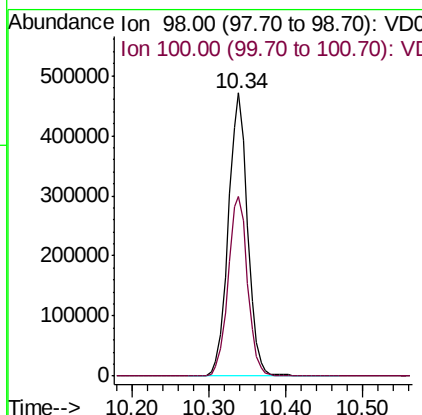
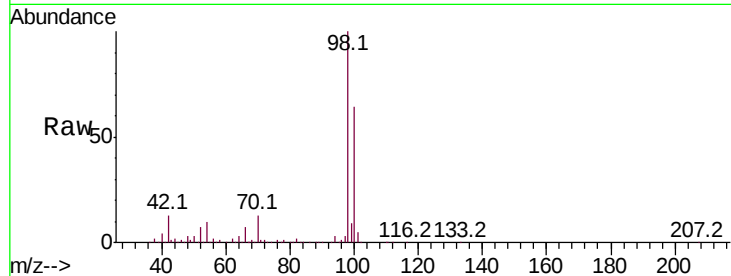




#50
Toluene-d8
Concen: 52.414 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066620.D
Acq: 10 Sep 2020 17:05

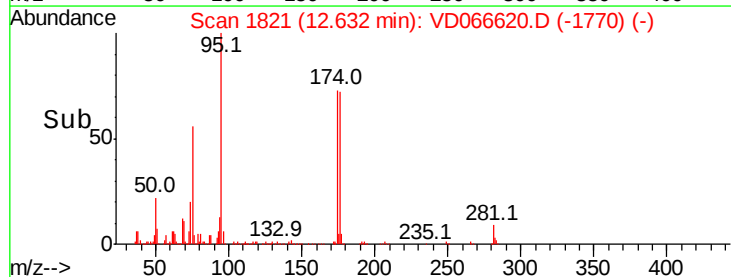
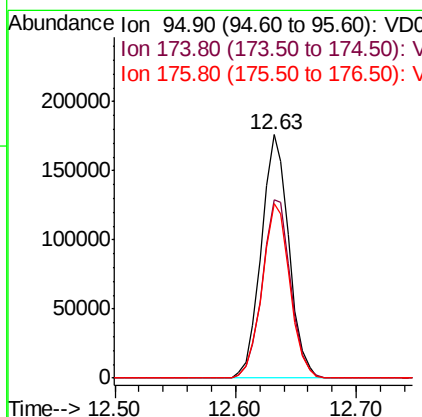
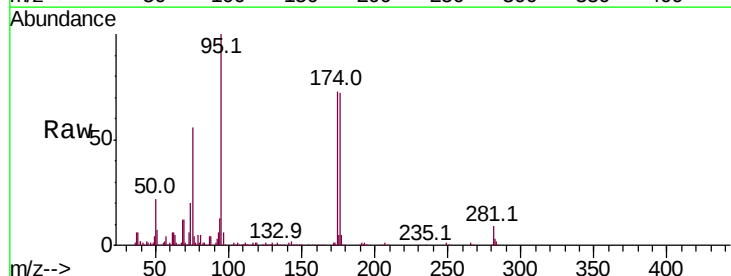
Instrument :
MSVOA_D
ClientSampled :
PC-3

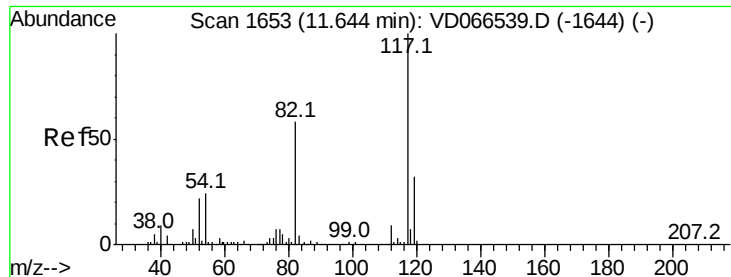
Tot Ion: 98 Resp: 822520
Ion Ratio Lower Upper
98 100
100 64.2 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 54.084 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066620.D
Acq: 10 Sep 2020 17:05

Tgt Ion: 95 Resp: 281427
Ion Ratio Lower Upper
95 100
174 74.8 0.0 155.8
176 71.7 0.0 148.6

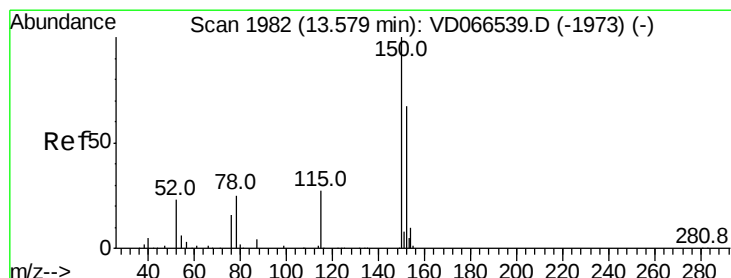
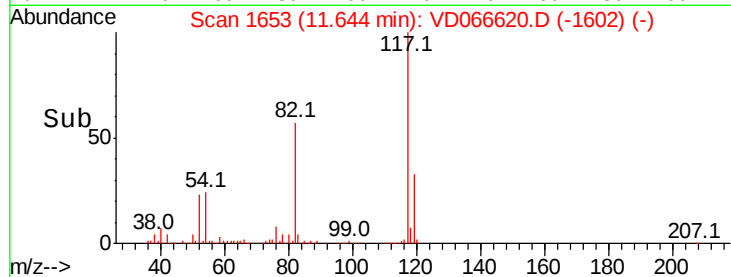
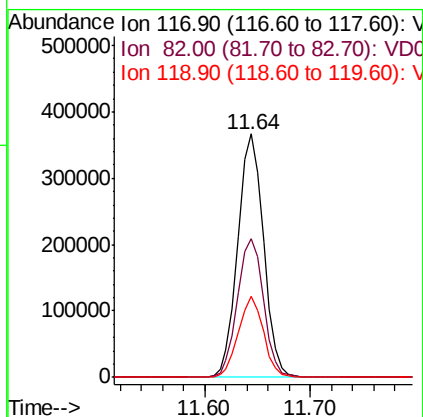
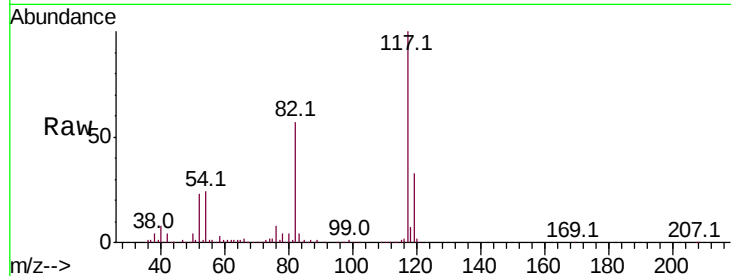




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066620.D
Acq: 10 Sep 2020 17:05

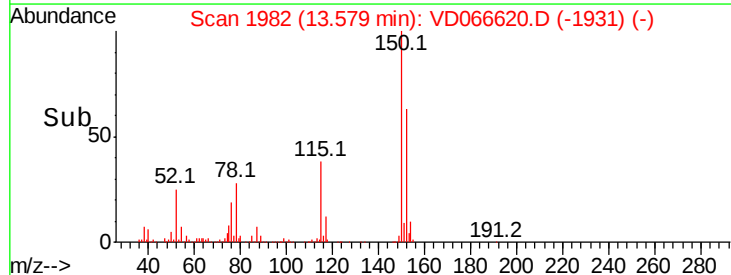
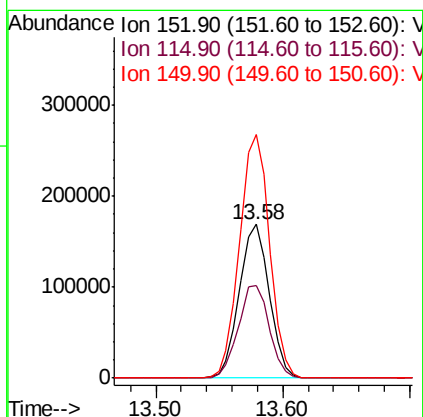
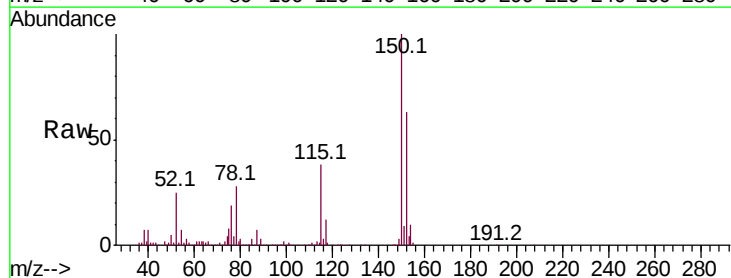
Instrument :
MSVOA_D
ClientSampleId :
PC-3

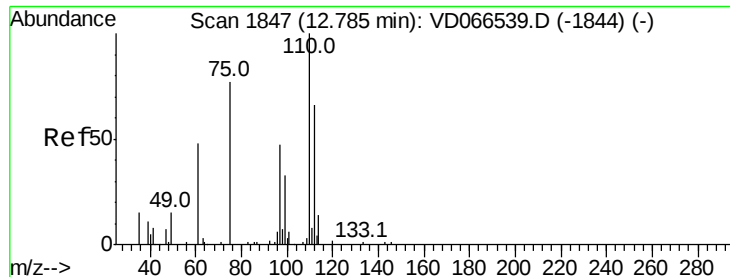
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.2	69.2
119	33.1	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066620.D
Acq: 10 Sep 2020 17:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.5	30.4	91.2
150	159.2	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 60.404 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066620.D

Acq: 10 Sep 2020 17:05

Instrument :

MSVOA_D

ClientSampled :

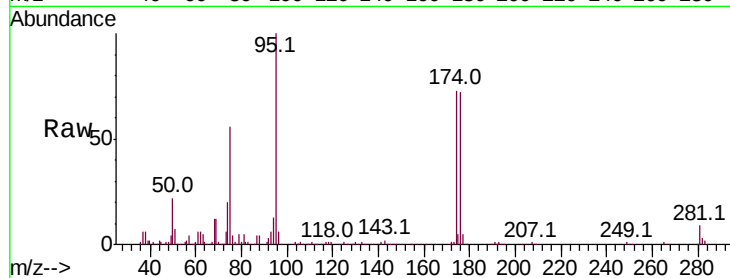
PC-3

Tot Ion: 75 Resp: 160724

Ion Ratio Lower Upper

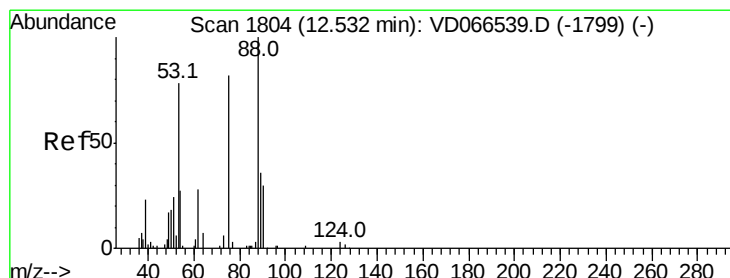
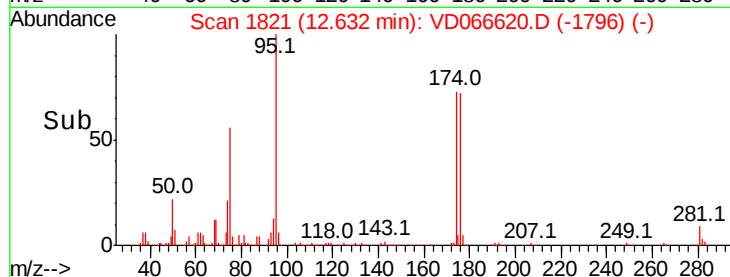
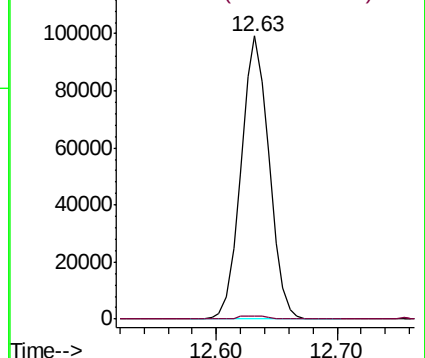
75 100

77 1.4 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: 141.022 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066620.D

Acq: 10 Sep 2020 17:05

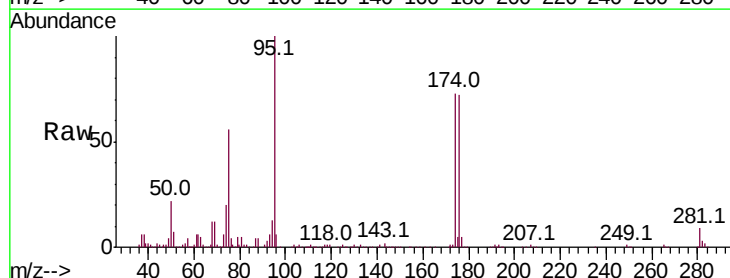
Tgt Ion: 75 Resp: 160724

Ion Ratio Lower Upper

75 100

53 0.4 87.0 130.4#

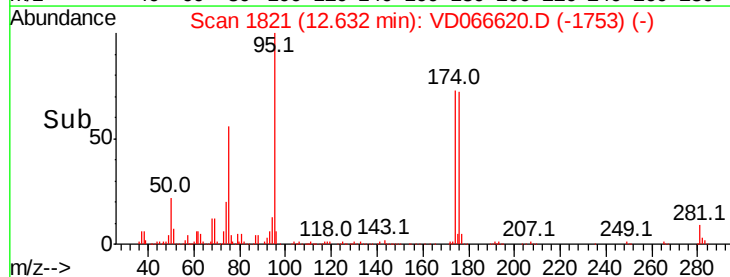
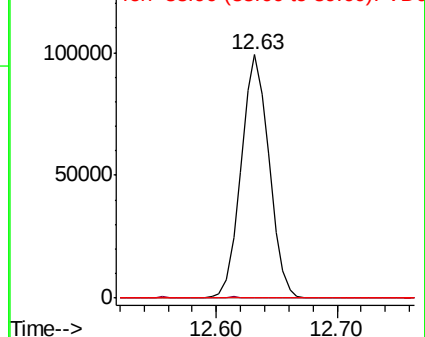
89 0.0 37.1 55.7#

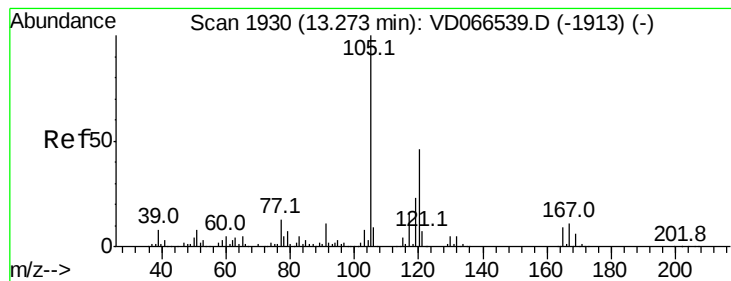


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#84

1,2,4-Trimethylbenzene

Concen: 1.005 ug/l

RT: 13.27 min Scan# 1929

Delta R.T. -0.01 min

Lab File: VD066620.D

Acq: 10 Sep 2020 17:05

Instrument :

MSVOA_D

ClientSampleId :

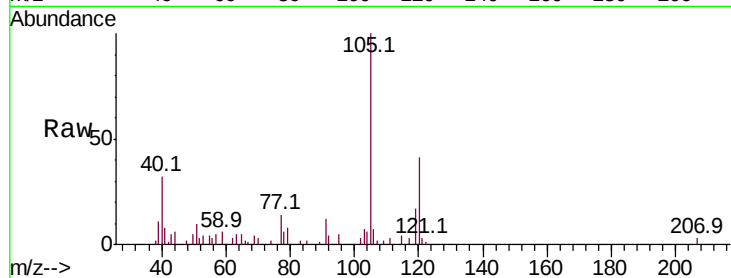
PC-3

Tot Ion:105 Resp: 17245

Ion Ratio Lower Upper

105 100

120 44.0 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

