

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066814.D
 Acq On : 22 Sep 2020 16:45
 Operator : VA/SY
 Sample : L3864-08
 Misc : 8.17G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-092120

Quant Time: Sep 23 02:09:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	404819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	749155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	741128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	321602	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	232732	58.74	ug/l	0.00
Spiked Amount			Recovery	=	117.48%	
35) Dibromofluoromethane	7.91	113	247316	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
50) Toluene-d8	10.34	98	915247	56.36	ug/l	0.00
Spiked Amount			Recovery	=	112.72%	
62) 4-Bromofluorobenzene	12.63	95	310380	55.83	ug/l	0.00
Spiked Amount			Recovery	=	111.66%	

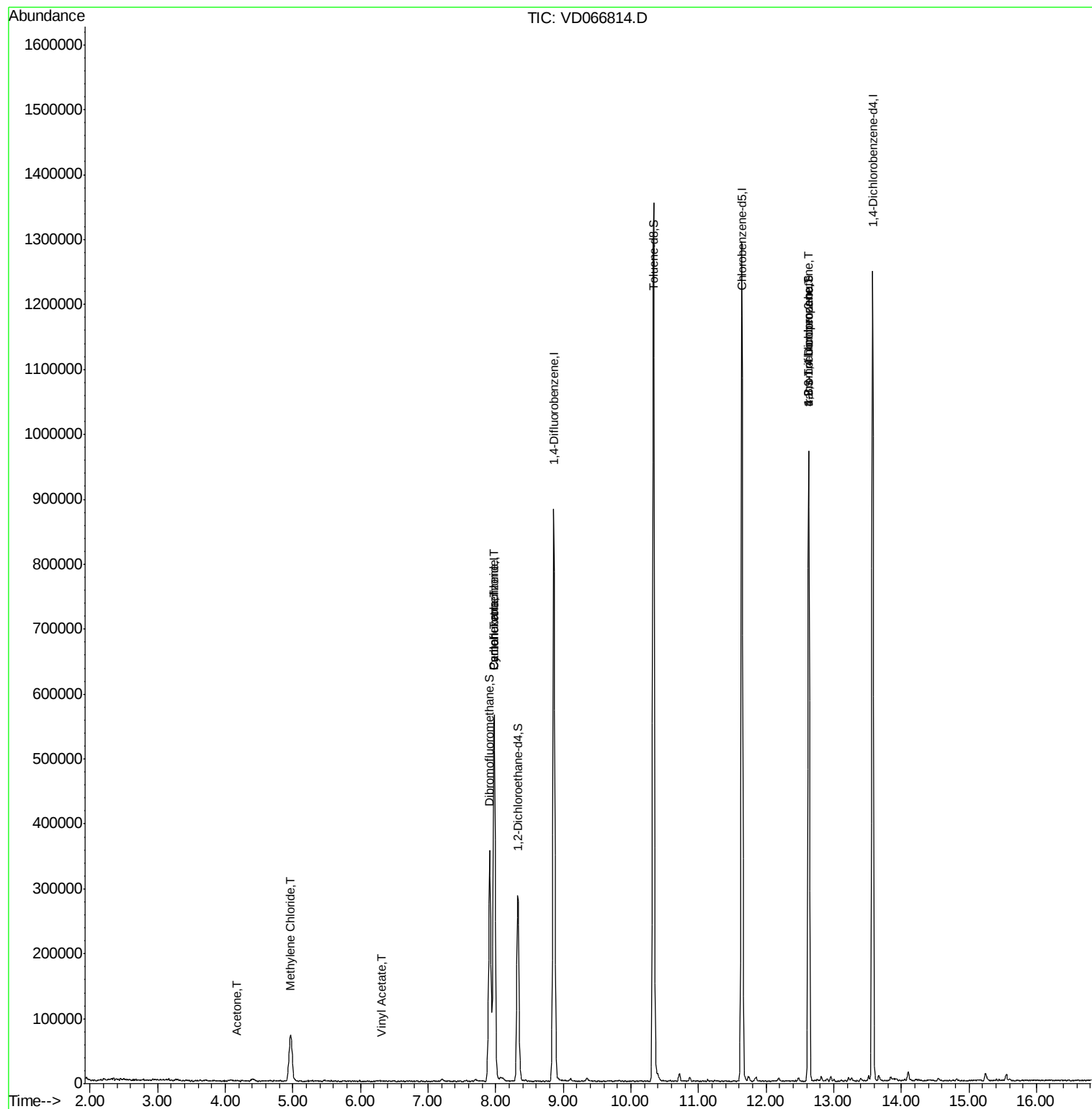
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	975	Below Cal	#	64
16) Acetone	4.17	43	2030	2.415	ug/l	89
18) Methyl Acetate	4.73	43	60	Below Cal	#	50
20) Methylene Chloride	4.97	84	58034	7.891	ug/l	91
23) Vinyl Acetate	6.31	43	271	2.713	ug/l #	71
31) Cyclohexane	7.98	56	10627	1.475	ug/l #	1
38) Carbon Tetrachloride	7.98	117	42286	5.204	ug/l #	17
49) 1,4-Dioxane	9.47	88	64	Below Cal	#	23
76) 1,2,3-Trichloropropane	12.63	75	166728	62.558	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	166728	156.514	ug/l #	10

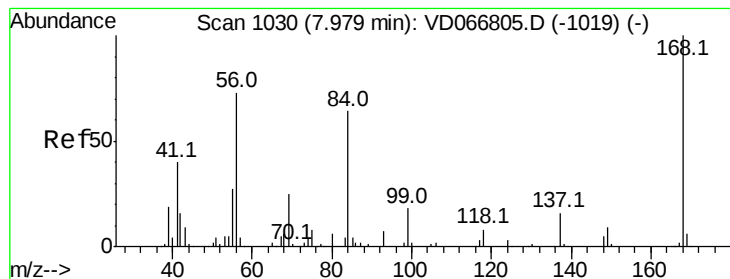
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092220\
Data File : VD066814.D
Acq On : 22 Sep 2020 16:45
Operator : VA/SY
Sample : L3864-08
Misc : 8.17G/5.00ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CL-02-092120

Quant Time: Sep 23 02:09:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066814.D

Acq: 22 Sep 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

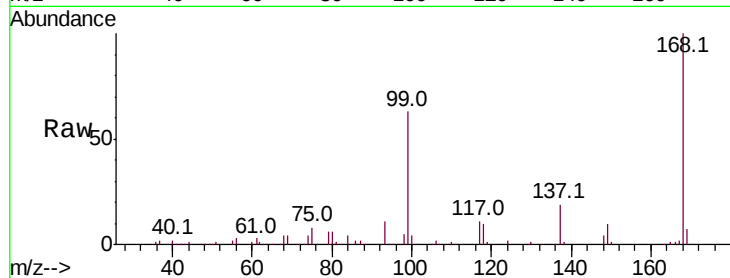
CL-02-092120

Tot Ion:168 Resp: 404819

Ion Ratio Lower Upper

168 100

99 62.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

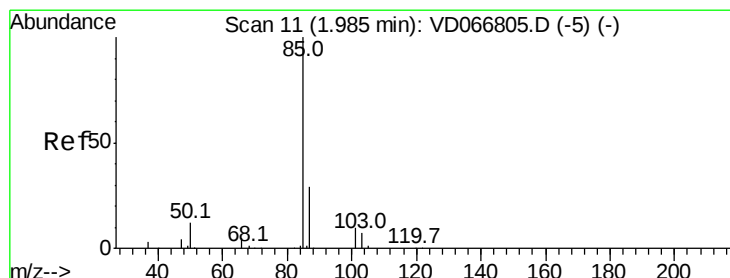
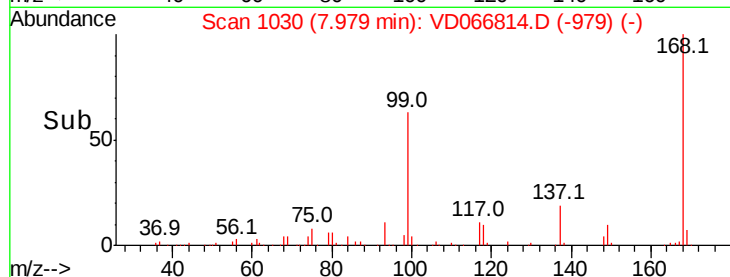
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD066814.D

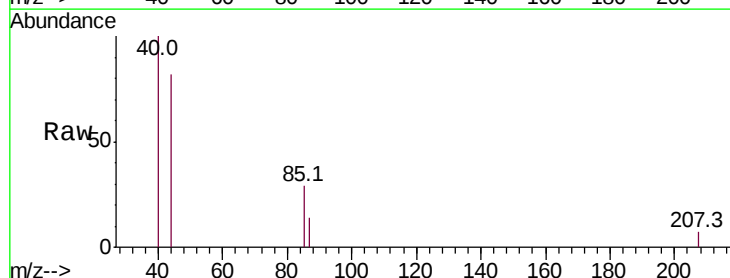
Acq: 22 Sep 2020 16:45

Tgt Ion: 85 Resp: 975

Ion Ratio Lower Upper

85 100

87 48.1 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

800

600

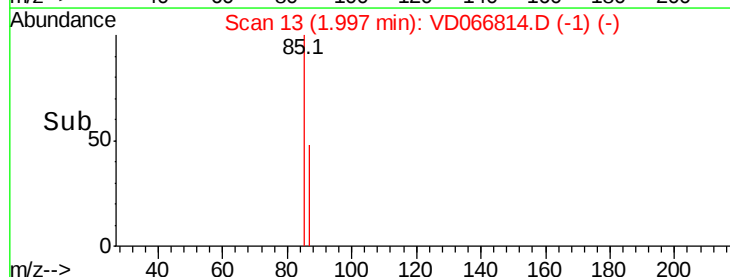
400

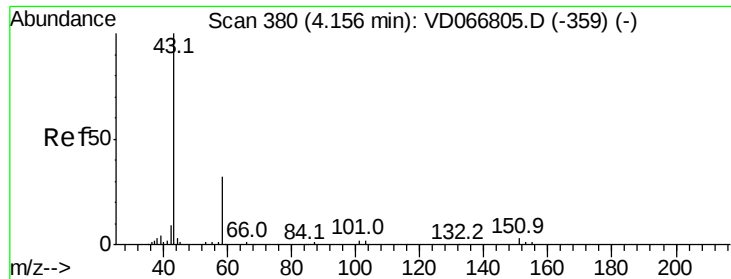
200

0

Time-->

1.94 1.96 1.98 2.00 2.02





#16

Acetone

Concen: 2.415 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066814.D

Acq: 22 Sep 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

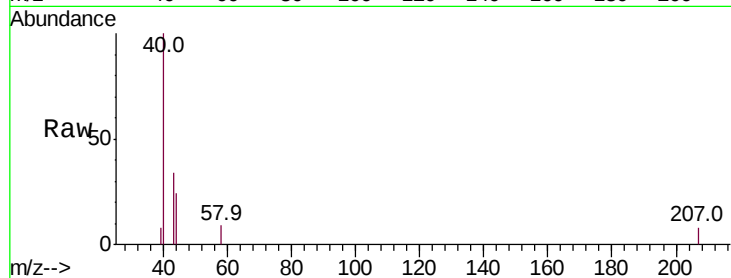
CL-02-092120

Tot Ion: 43 Resp: 2030

Ion Ratio Lower Upper

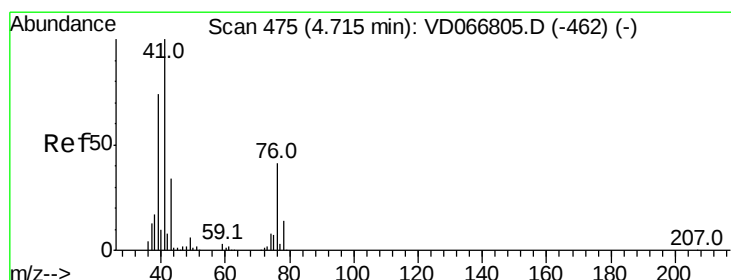
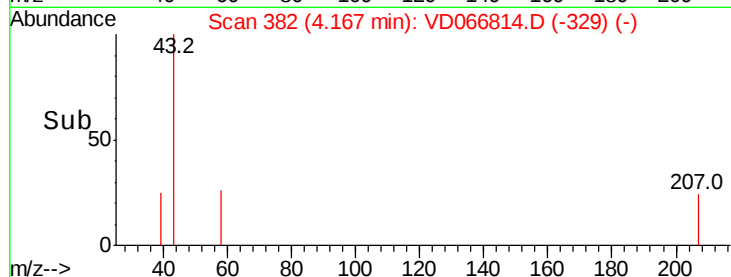
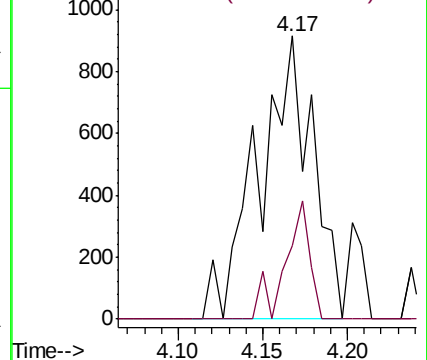
43 100

58 25.8 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: Below Cal

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD066814.D

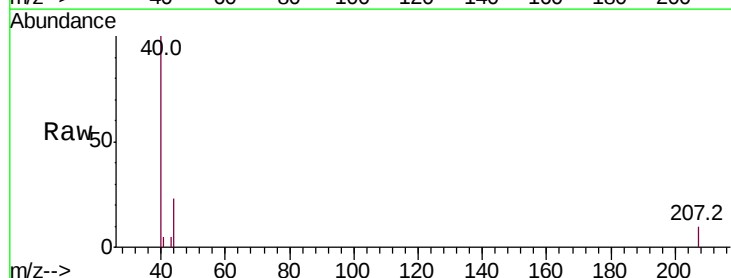
Acq: 22 Sep 2020 16:45

Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

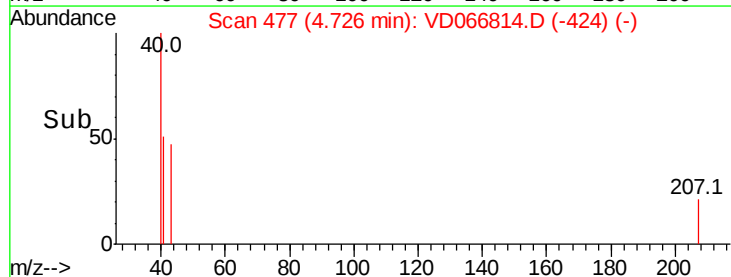
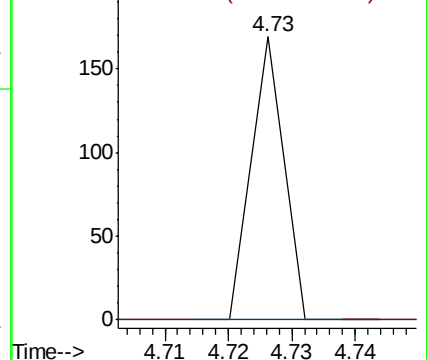
43 100

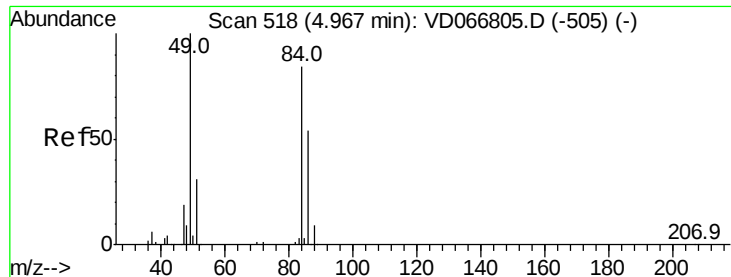
74 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

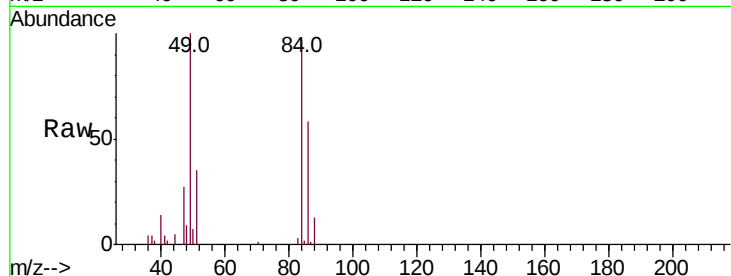




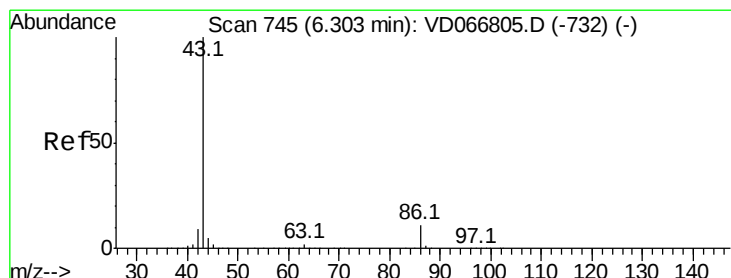
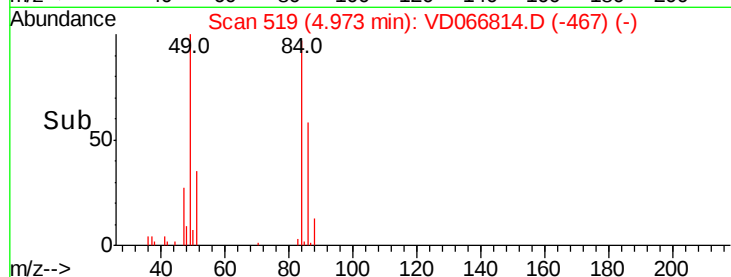
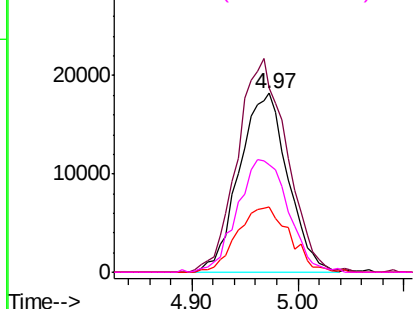
#20
Methvlene Chloride
Concen: 7.891 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066814.D
Acq: 22 Sep 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
CL-02-092120

Tot Ion: 84 Resp: 58034
Ion Ratio Lower Upper
84 100
49 103.5 95.4 143.2
51 36.2 29.7 44.5
86 60.2 51.4 77.2

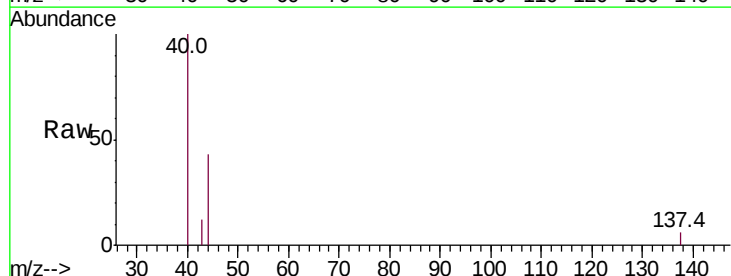


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

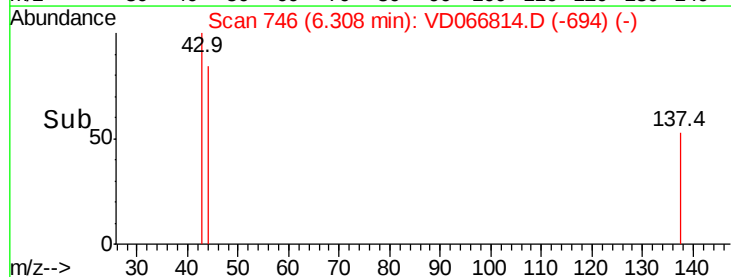
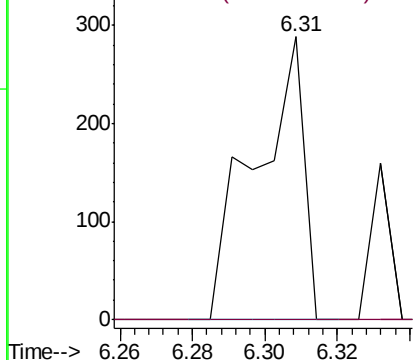


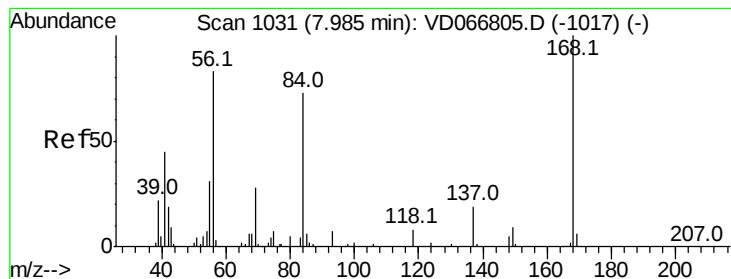
#23
Vinyl Acetate
Concen: 2.713 ug/l
RT: 6.31 min Scan# 746
Delta R.T. 0.01 min
Lab File: VD066814.D
Acq: 22 Sep 2020 16:45

Tgt Ion: 43 Resp: 271
Ion Ratio Lower Upper
43 100
86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC





#31

Cyclohexane

Concen: 1.475 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066814.D

Acq: 22 Sep 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

CL-02-092120

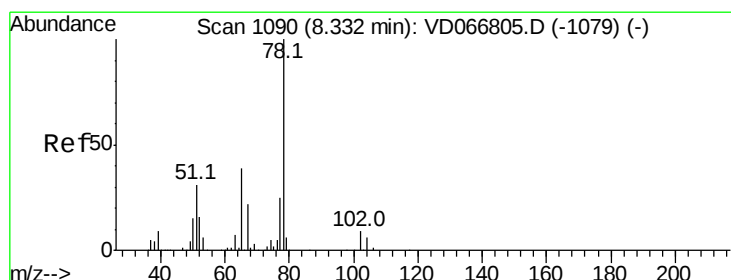
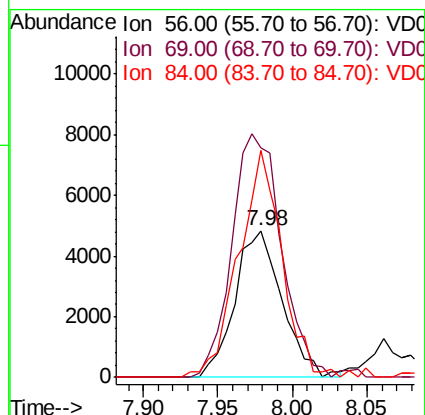
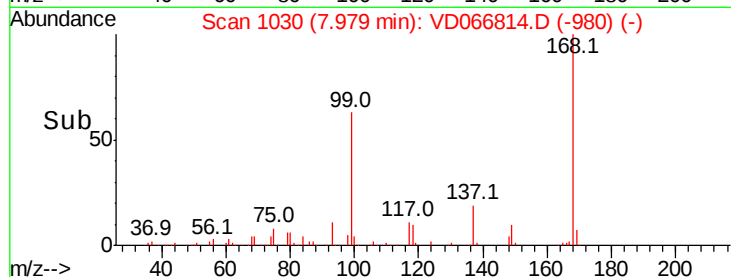
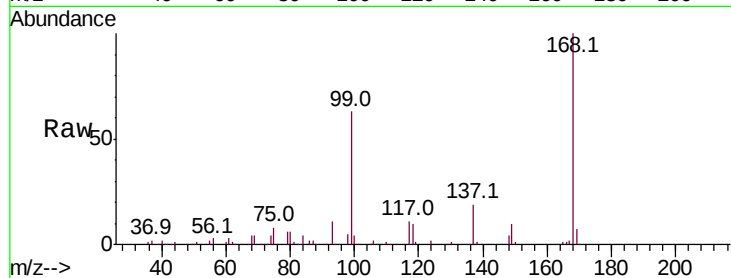
Tot Ion: 56 Resp: 10627

Ion Ratio Lower Upper

56 100

69 156.6 27.0 40.4#

84 155.0 70.2 105.4#



#33

1,2-Dichloroethane-d4

Concen: 58.738 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066814.D

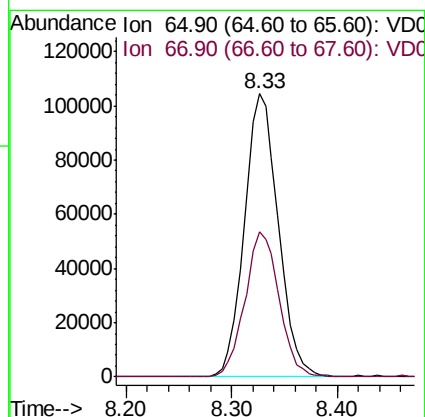
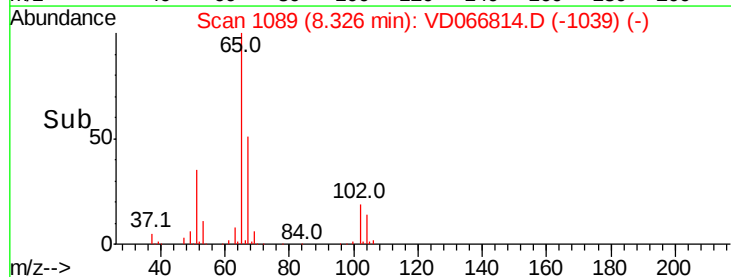
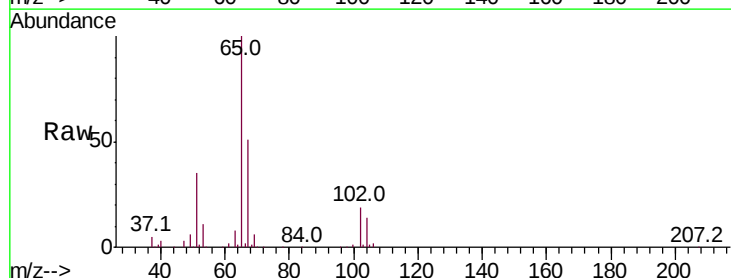
Acq: 22 Sep 2020 16:45

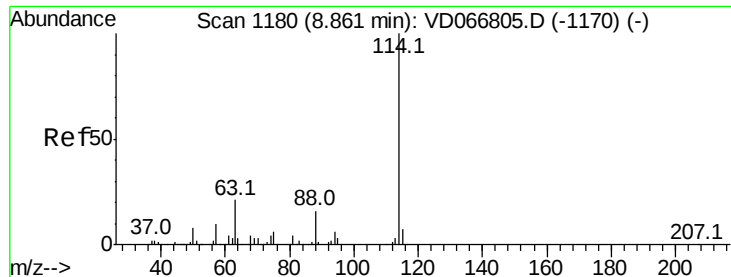
Tgt Ion: 65 Resp: 232732

Ion Ratio Lower Upper

65 100

67 51.8 0.0 107.2

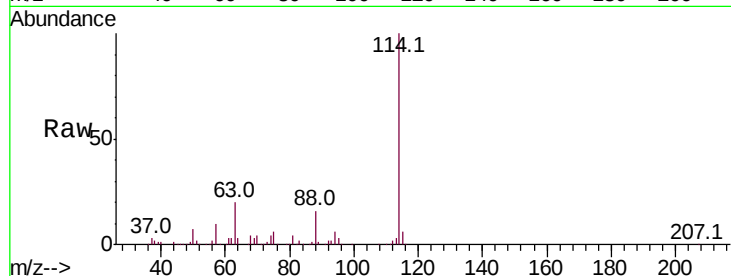




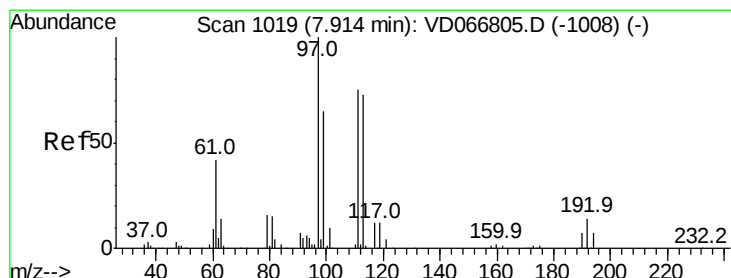
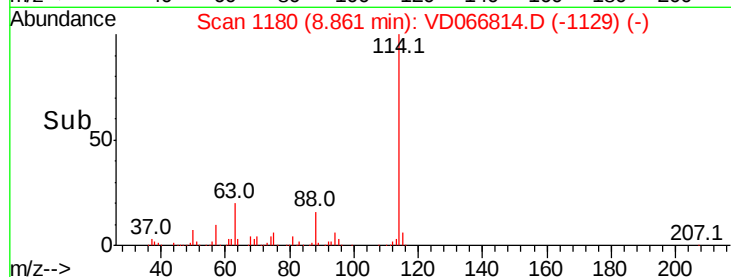
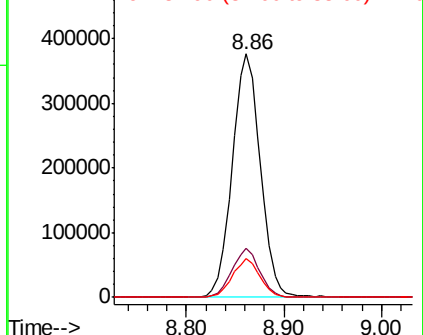
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066814.D
 Acq: 22 Sep 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-092120

Tot Ion:	114	Resp:	749155
Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	42.6
88	16.2	0.0	32.6

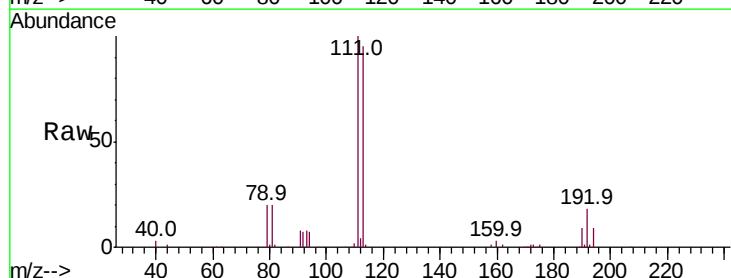


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

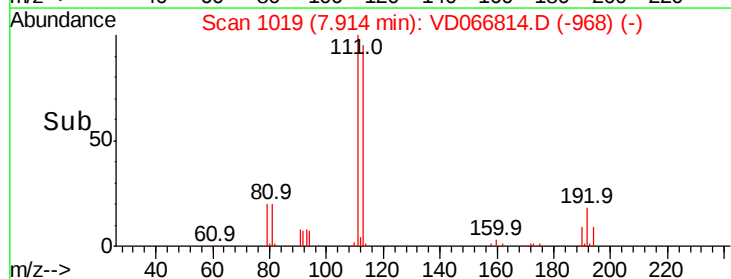
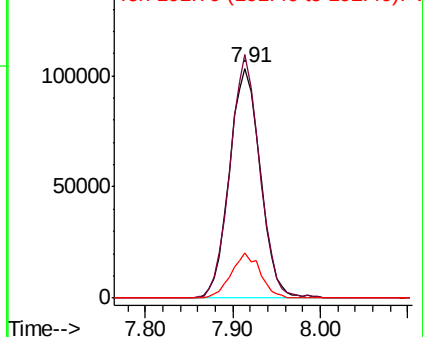


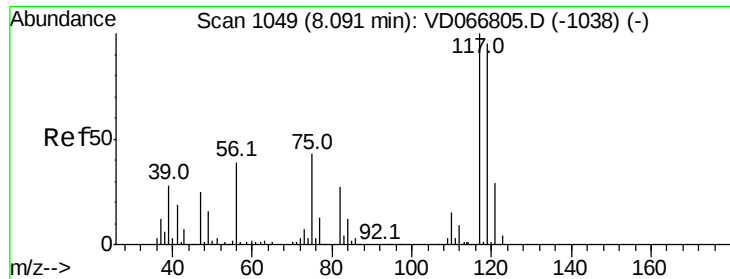
#35
 Dibromofluoromethane
 Concen: 51.890 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066814.D
 Acq: 22 Sep 2020 16:45

Tgt Ion:	113	Resp:	247316
Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.8	122.8
192	18.5	14.4	21.6



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: 5.204 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066814.D

Acq: 22 Sep 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

CL-02-092120

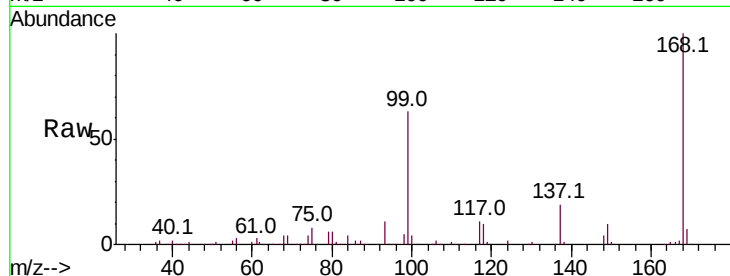
Tot Ion:117 Resp: 42286

Ion Ratio Lower Upper

117 100

119 6.1 75.8 113.8#

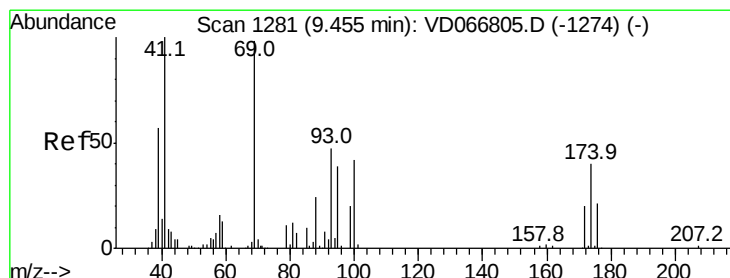
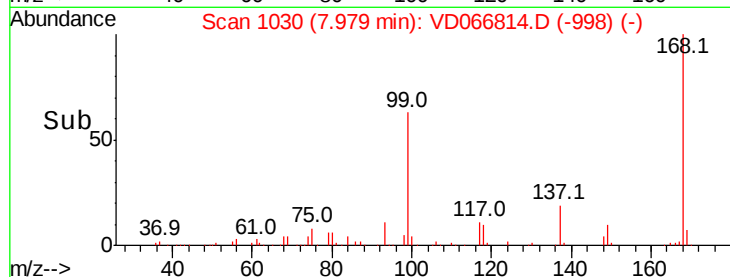
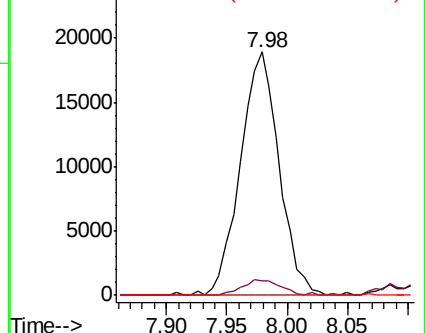
121 0.0 23.4 35.0#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD066814.D

Acq: 22 Sep 2020 16:45

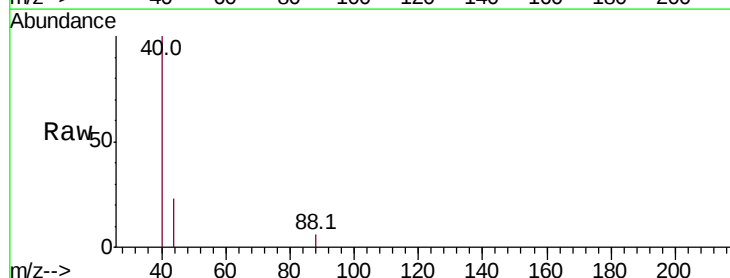
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

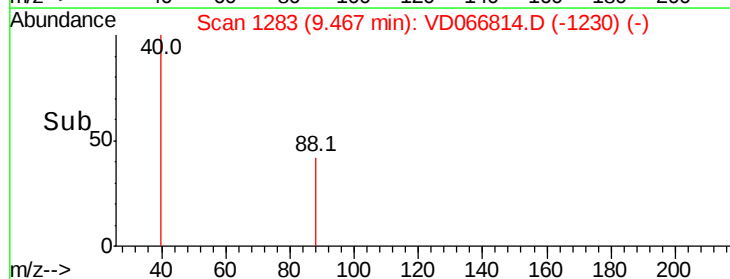
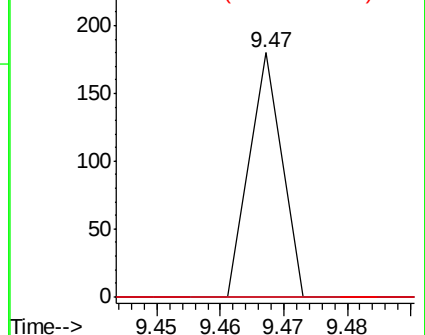
58 0.0 55.5 83.3#

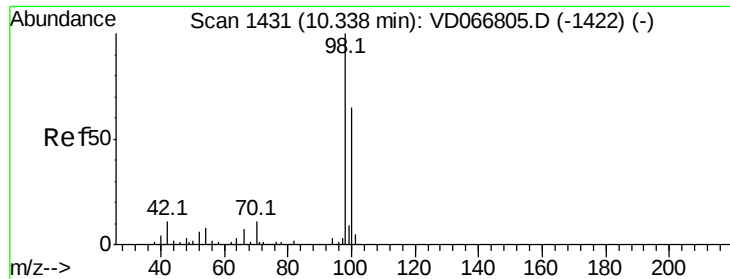


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

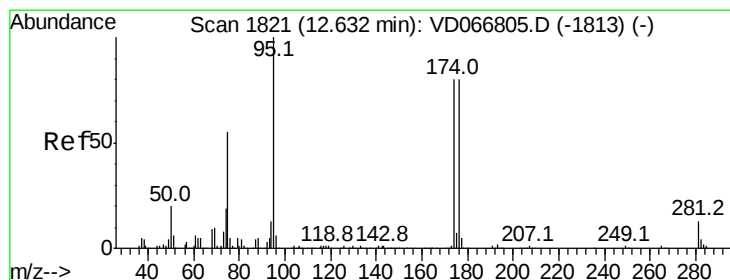
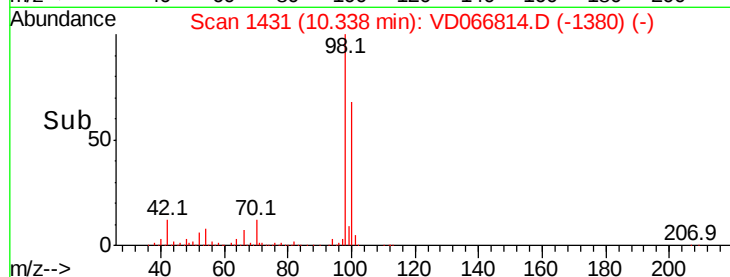
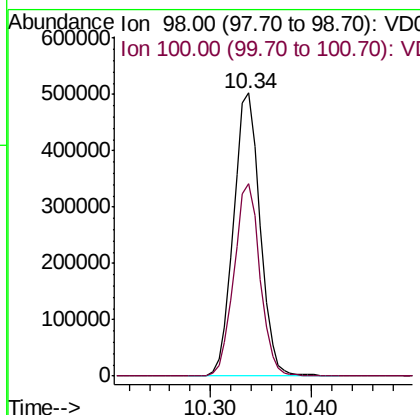
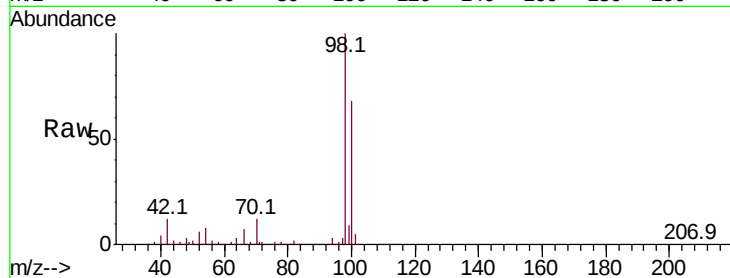




#50
Toluene-d8
Concen: 56.361 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066814.D
Acq: 22 Sep 2020 16:45

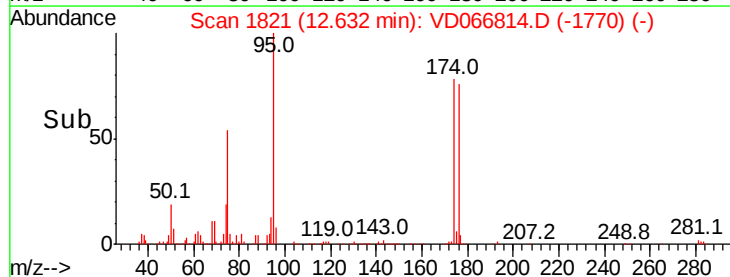
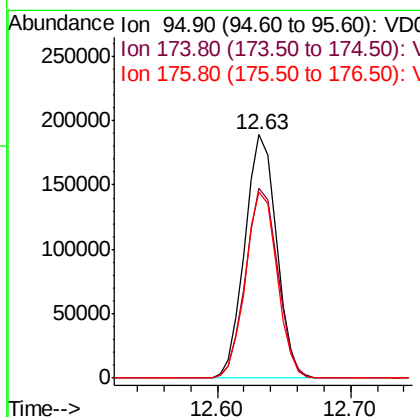
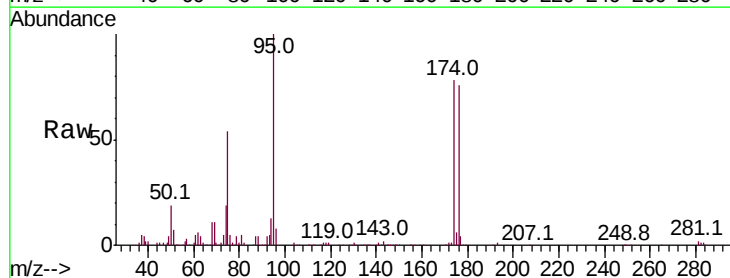
Instrument :
MSVOA_D
ClientSampleId :
CL-02-092120

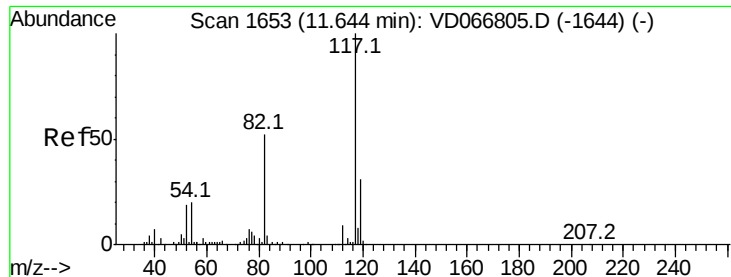
Tot Ion: 98 Resp: 915247
Ion Ratio Lower Upper
98 100
100 66.6 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 55.832 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066814.D
Acq: 22 Sep 2020 16:45

Tgt Ion: 95 Resp: 310380
Ion Ratio Lower Upper
95 100
174 79.0 0.0 159.8
176 76.1 0.0 154.4

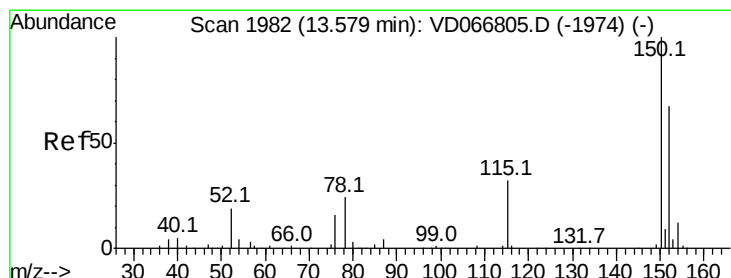
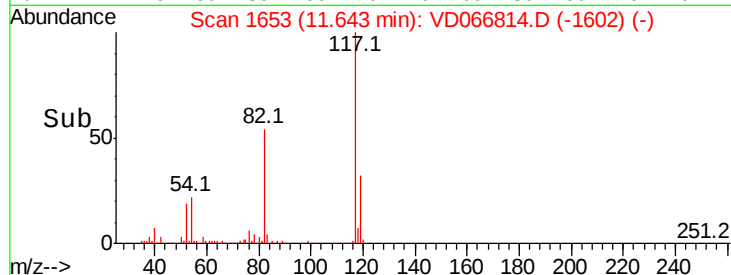
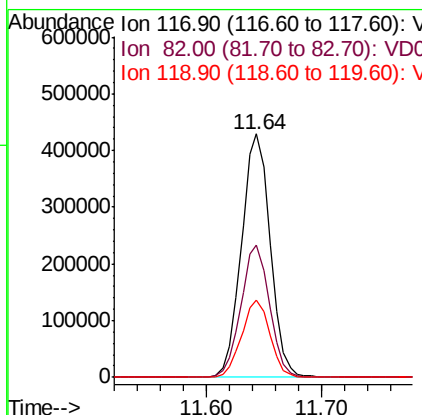
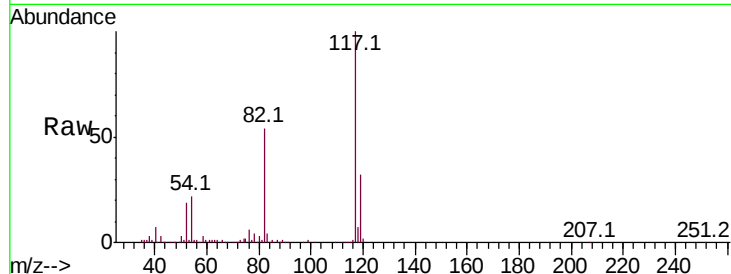




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066814.D
Acq: 22 Sep 2020 16:45

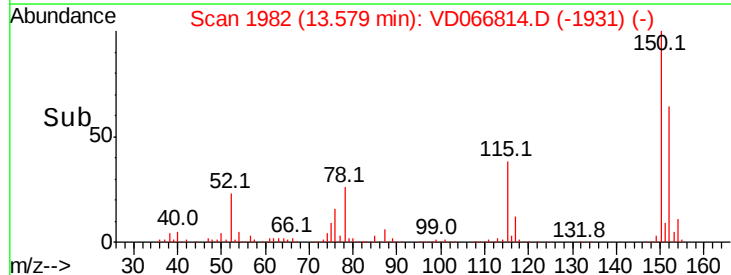
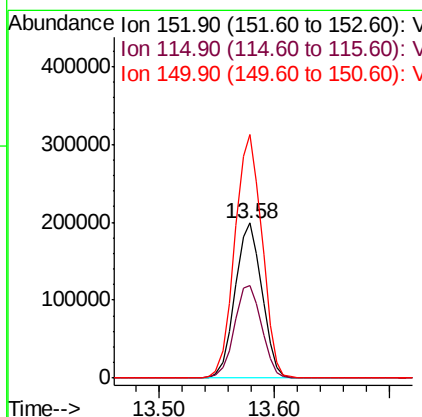
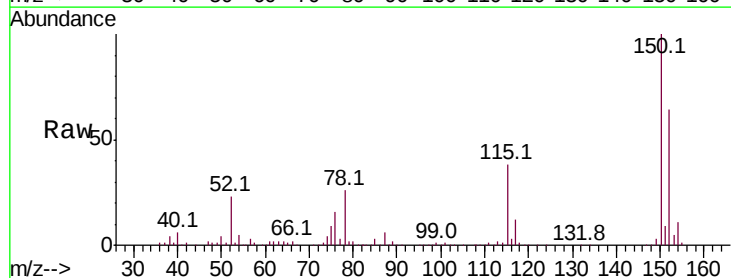
Instrument :
MSVOA_D
ClientSampleId :
CL-02-092120

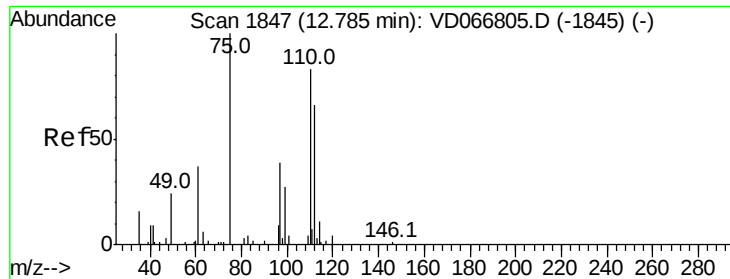
Tot Ion:117 Resp: 741128
Ion Ratio Lower Upper
117 100
82 54.4 41.8 62.6
119 31.9 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066814.D
Acq: 22 Sep 2020 16:45

Tgt Ion:152 Resp: 321602
Ion Ratio Lower Upper
152 100
115 60.4 30.3 91.0
150 158.0 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 62.558 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066814.D

Acq: 22 Sep 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

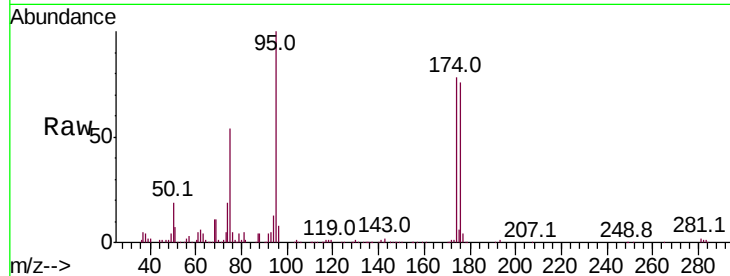
CL-02-092120

Tot Ion: 75 Resp: 166728

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

120000

100000

80000

60000

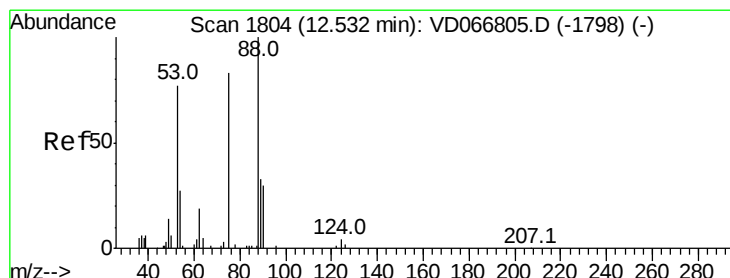
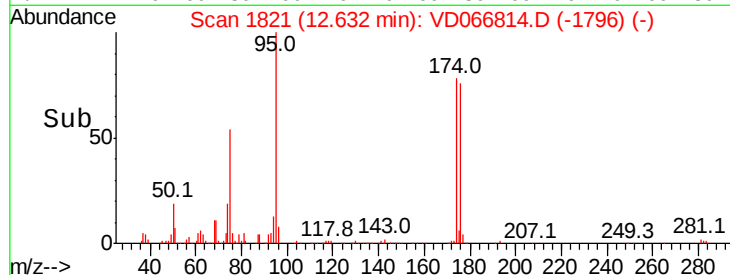
40000

20000

0

12.55 12.60 12.65 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 156.514 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066814.D

Acq: 22 Sep 2020 16:45

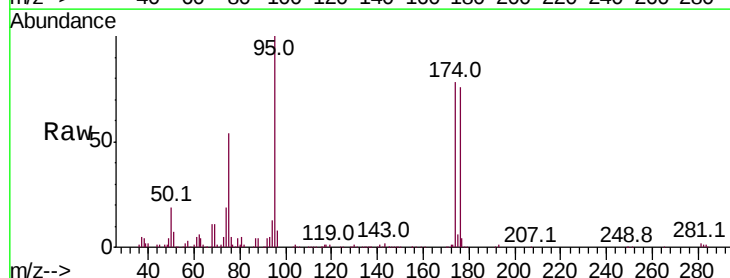
Tgt Ion: 75 Resp: 166728

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.0 38.1 57.1#



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

100000

50000

0

12.55 12.60 12.65 12.70

Time-->

