

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066931.D
 Acq On : 29 Sep 2020 11:43
 Operator : VA/SY
 Sample : L3869-11
 Misc : 8.79G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-092820

Quant Time: Sep 30 02:35:11 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	441381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	758862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	747791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	315233	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	222921	51.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.20%	
35) Dibromofluoromethane	7.91	113	243578	50.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.90%	
50) Toluene-d8	10.34	98	894160	54.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.72%	
62) 4-Bromofluorobenzene	12.63	95	314346	55.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.64%	

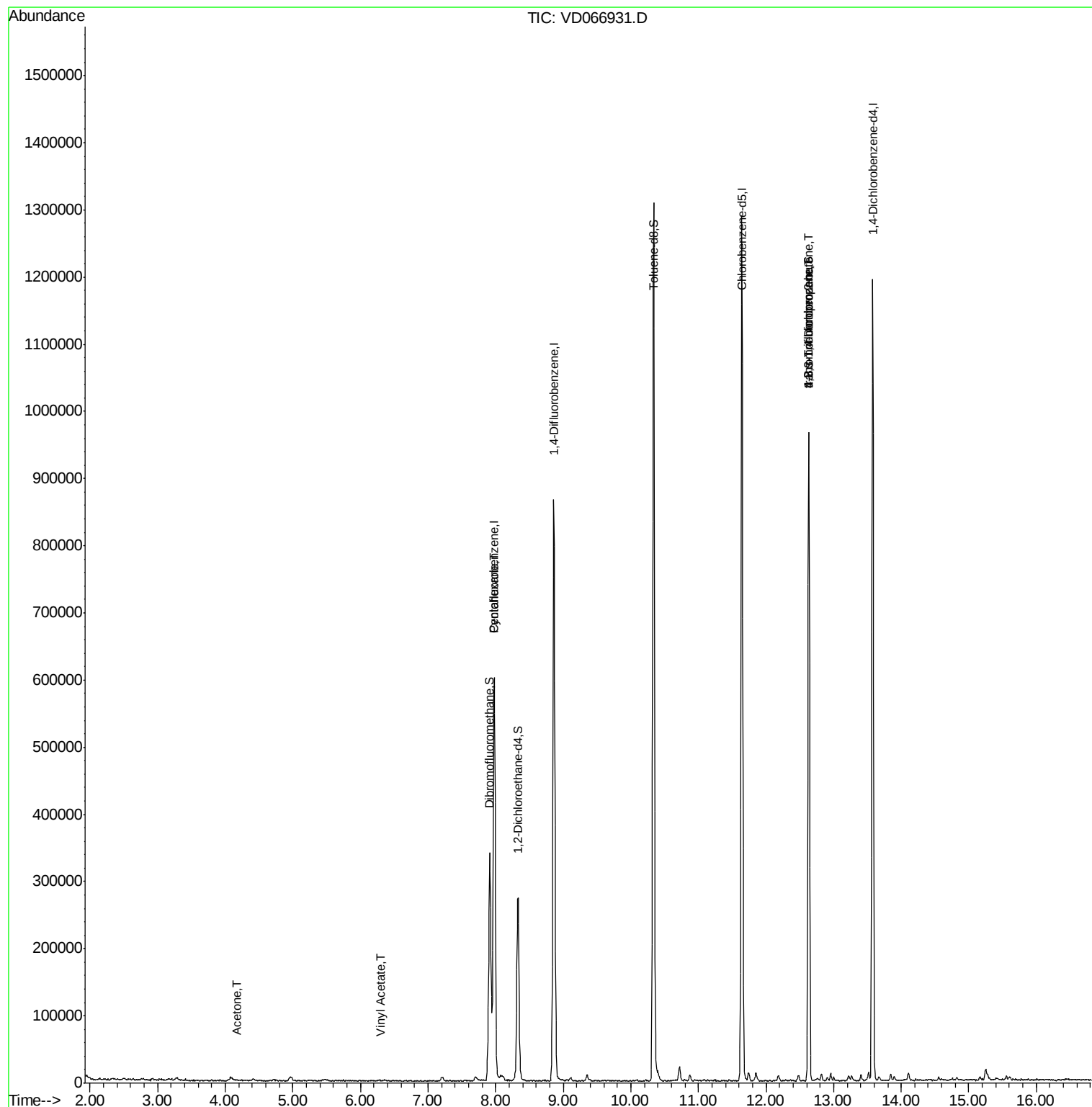
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1854	Below Cal		90
11) Tert butyl alcohol	5.19	59	56	Below Cal	#	72
16) Acetone	4.17	43	2016	2.200	ug/l #	43
18) Methyl Acetate	4.70	43	59	Below Cal	#	50
20) Methylene Chloride	4.98	84	5062	Below Cal	#	76
23) Vinyl Acetate	6.30	43	306	2.715	ug/l #	71
31) Cyclohexane	7.98	56	11622	1.480	ug/l #	30
49) 1,4-Dioxane	9.45	88	82	Below Cal	#	23
76) 1,2,3-Trichloropropane	12.63	75	158918	60.832	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	158918	152.197	ug/l #	10

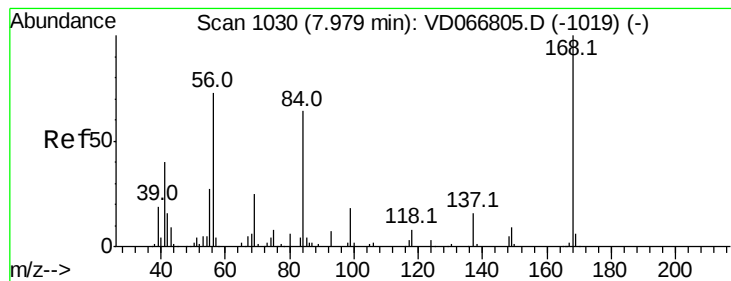
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066931.D

Acq: 29 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

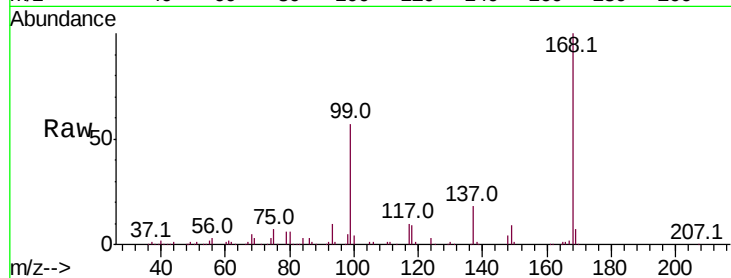
OR-03-092820

Tot Ion:168 Resp: 441381

Ion Ratio Lower Upper

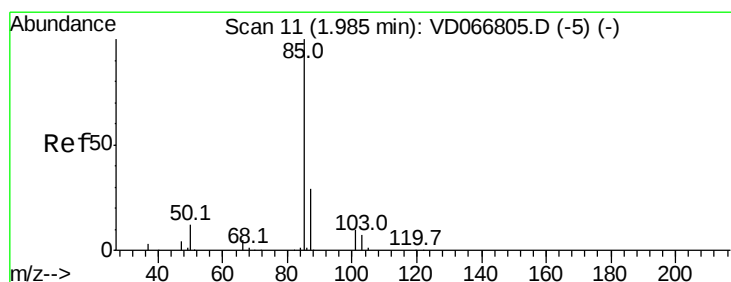
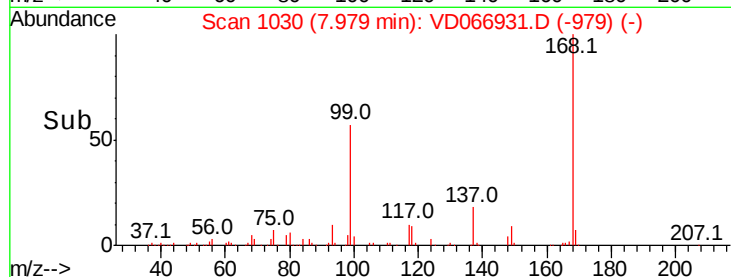
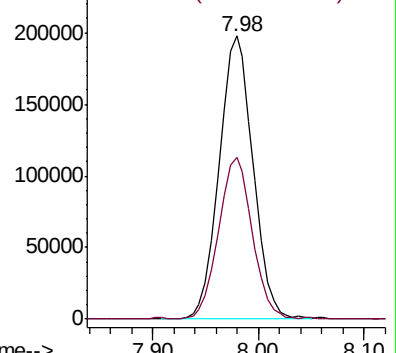
168 100

99 56.7 46.6 69.8



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: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066931.D

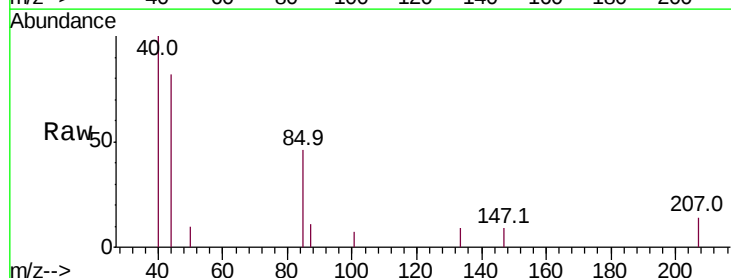
Acq: 29 Sep 2020 11:43

Tgt Ion: 85 Resp: 1854

Ion Ratio Lower Upper

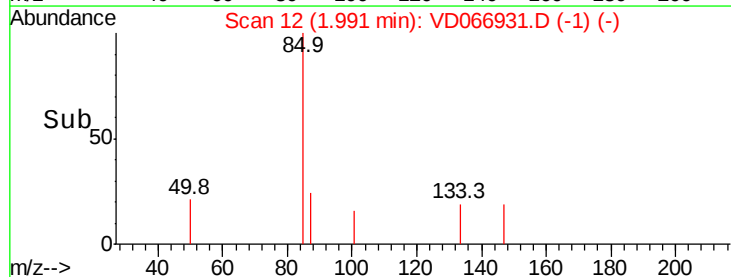
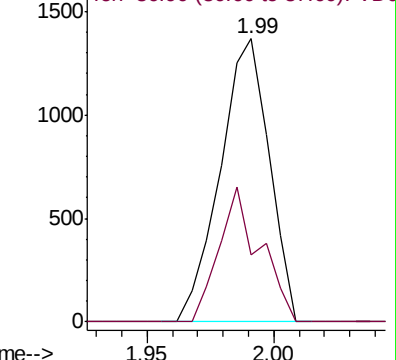
85 100

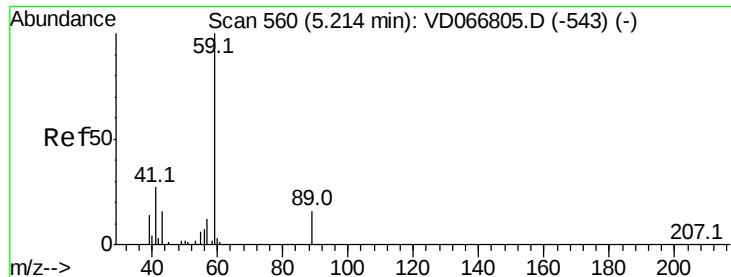
87 23.6 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



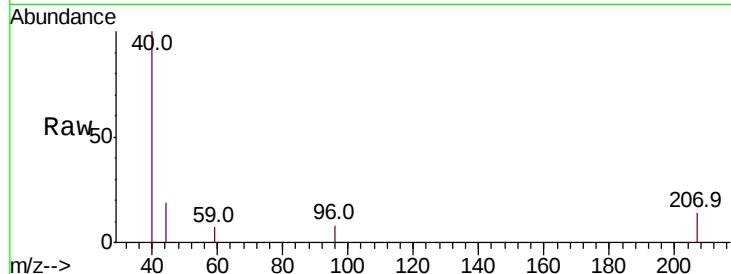


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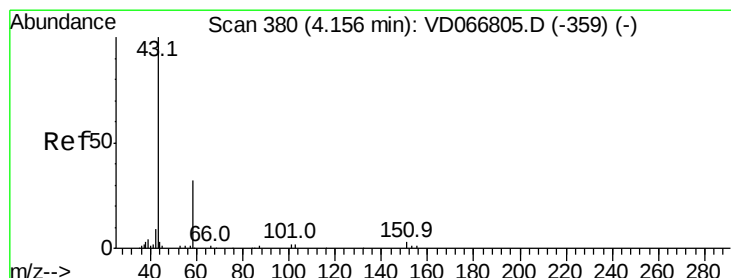
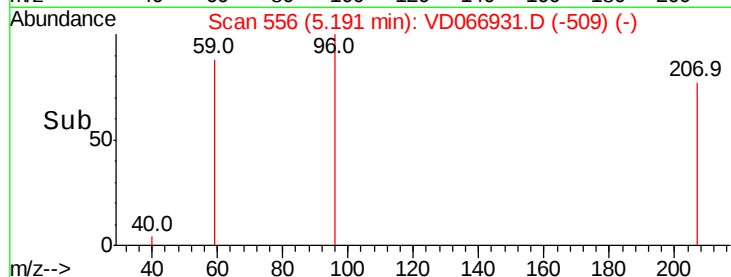
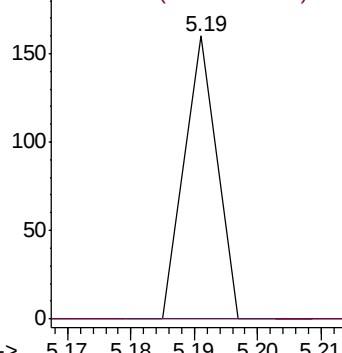
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 556
 Delta R.T. -0.02 min
 Lab File: VD066931.D
 Acq: 29 Sep 2020 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-092820

Tot Ion: 59 Resp: 56
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



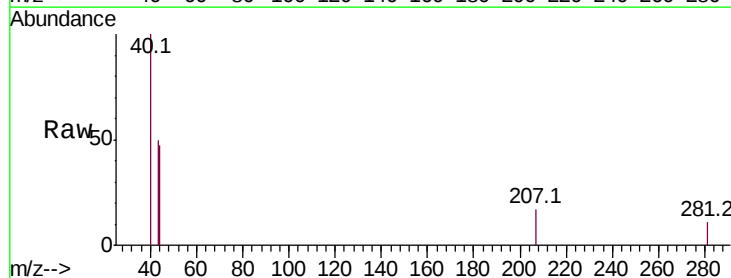
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



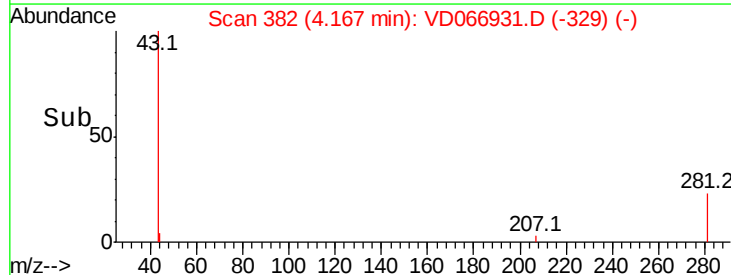
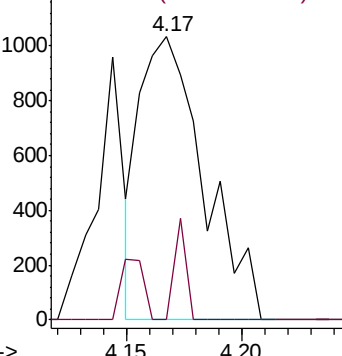
#16

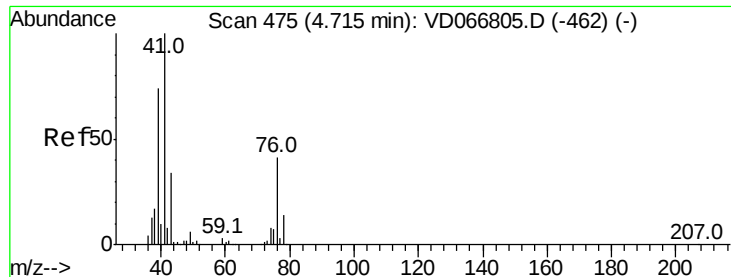
Acetone
 Concen: 2.200 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD066931.D
 Acq: 29 Sep 2020 11:43

Tgt Ion: 43 Resp: 2016
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.6 38.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

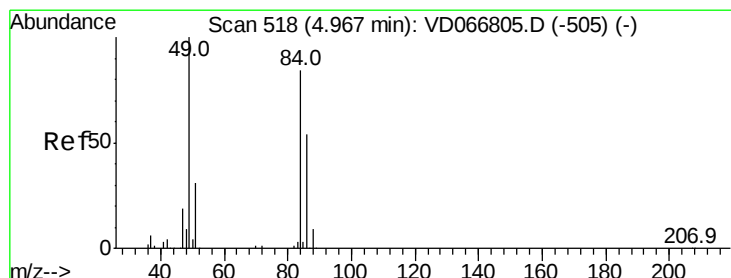
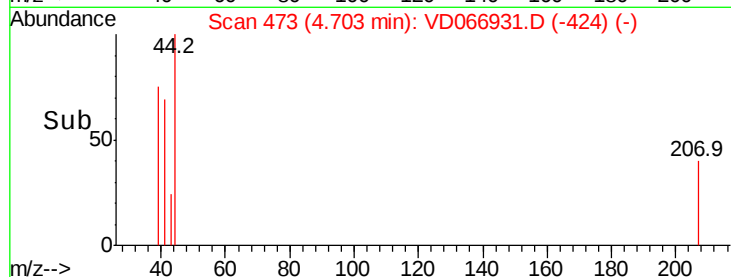
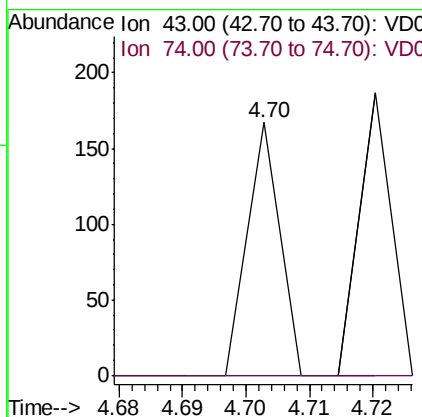
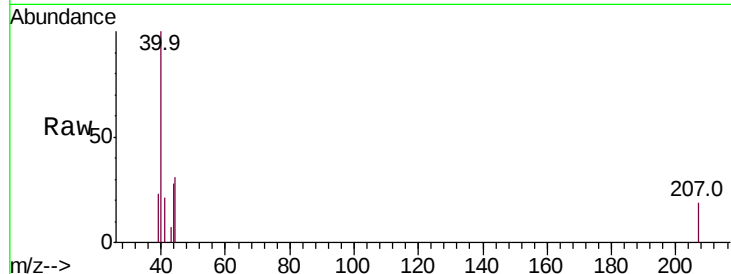




#18
Methvl Acetate
Concen: Below Cal
RT: 4.70 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD066931.D
Acq: 29 Sep 2020 11:43

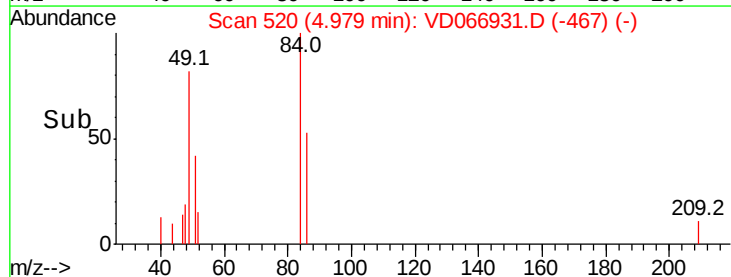
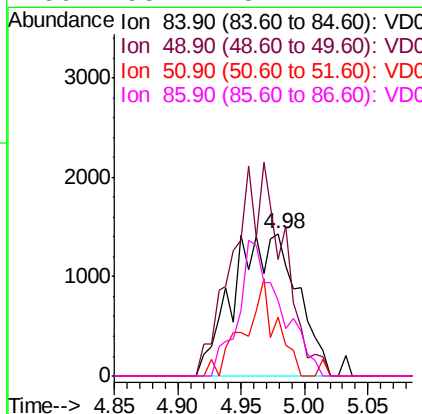
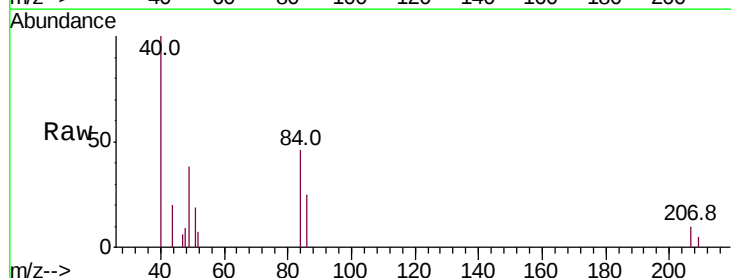
Instrument :
MSVOA_D
ClientSampleId :
OR-03-092820

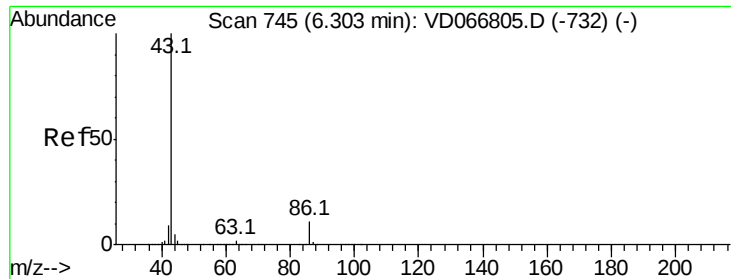
Tot Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.98 min Scan# 520
Delta R.T. 0.01 min
Lab File: VD066931.D
Acq: 29 Sep 2020 11:43

Tgt Ion: 84 Resp: 5062
Ion Ratio Lower Upper
84 100
49 82.3 95.4 143.2#
51 41.9 29.7 44.5
86 53.2 51.4 77.2





#23

Vinyl Acetate

Concen: 2.715 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066931.D

Acq: 29 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

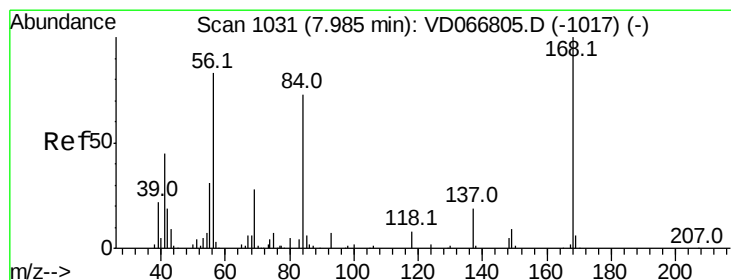
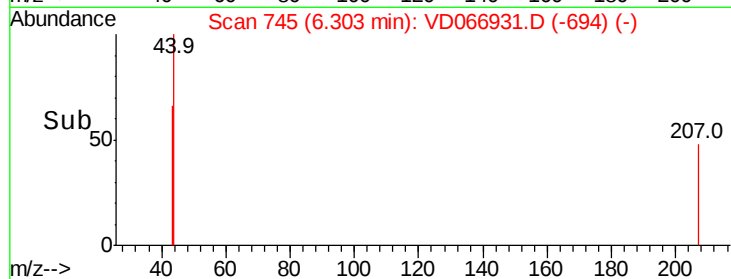
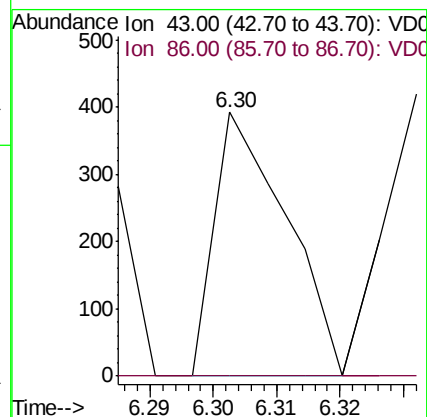
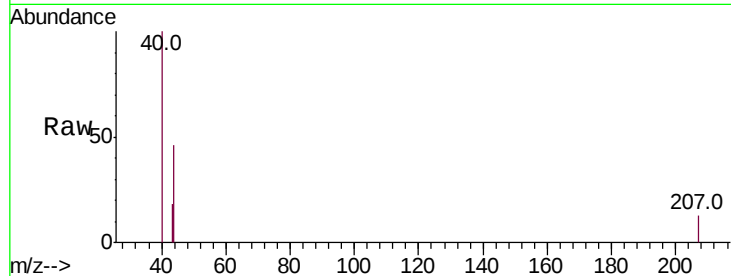
OR-03-092820

Tot Ion: 43 Resp: 306

Ion Ratio Lower Upper

43 100

86 0.0 8.9 13.3#



#31

Cyclohexane

Concen: 1.480 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066931.D

Acq: 29 Sep 2020 11:43

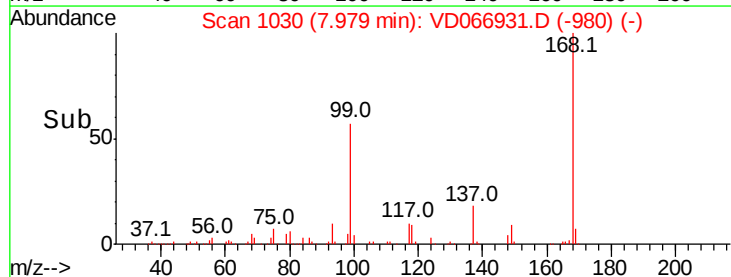
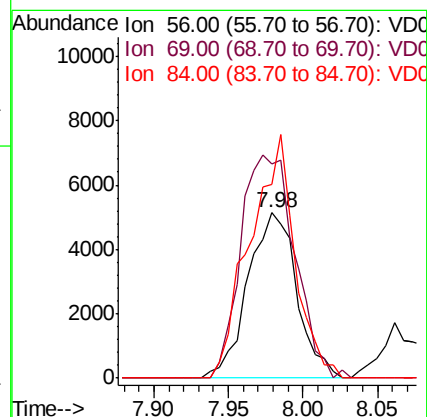
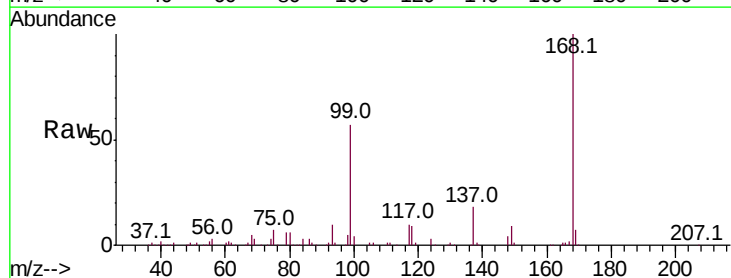
Tgt Ion: 56 Resp: 11622

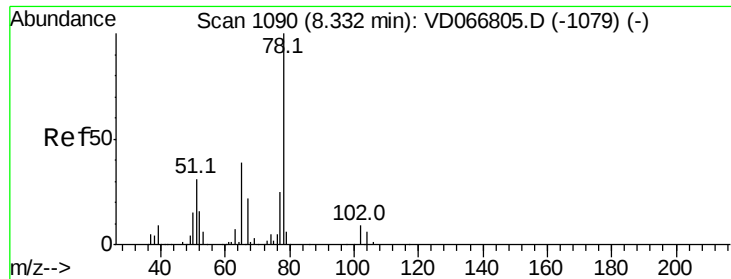
Ion Ratio Lower Upper

56 100

69 130.0 27.0 40.4#

84 117.3 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 51.601 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

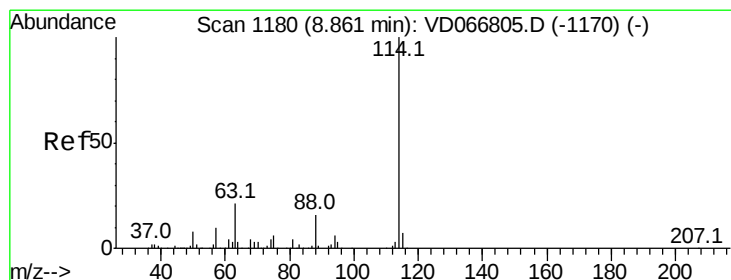
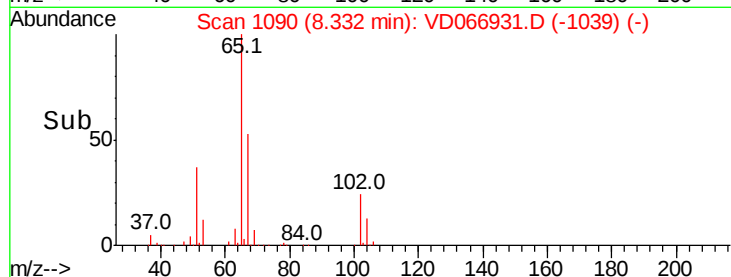
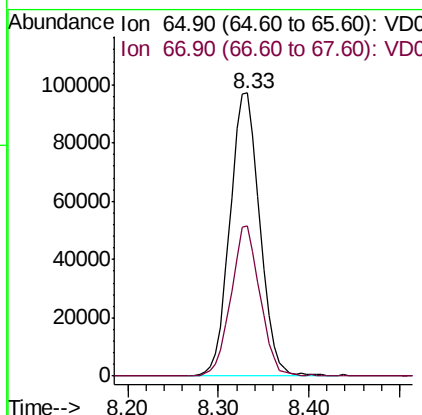
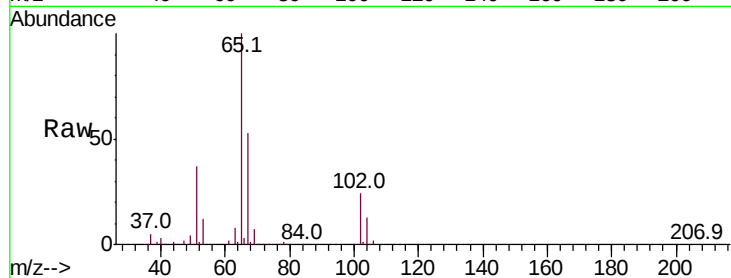
Lab File: VD066931.D

Acq: 29 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
OR-03-092820

Tot Ion: 65 Resp: 222921

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

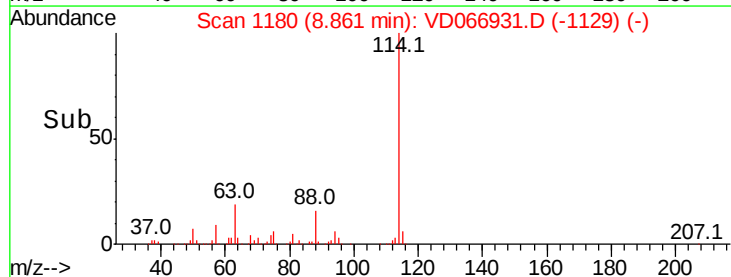
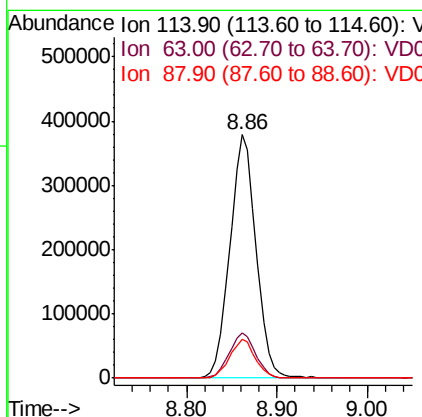
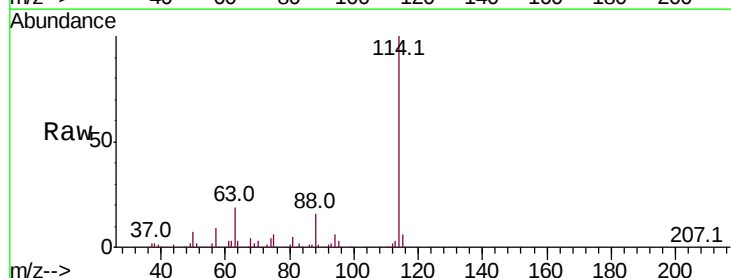
Delta R.T. 0.00 min

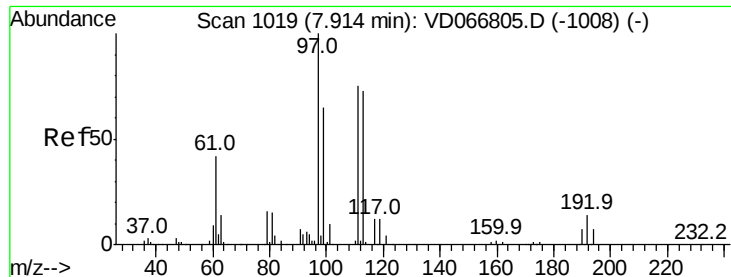
Lab File: VD066931.D

Acq: 29 Sep 2020 11:43

Tgt Ion: 114 Resp: 758862

Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	42.6
88	15.7	0.0	32.6

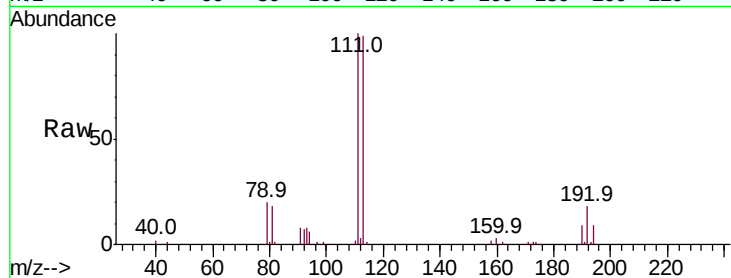




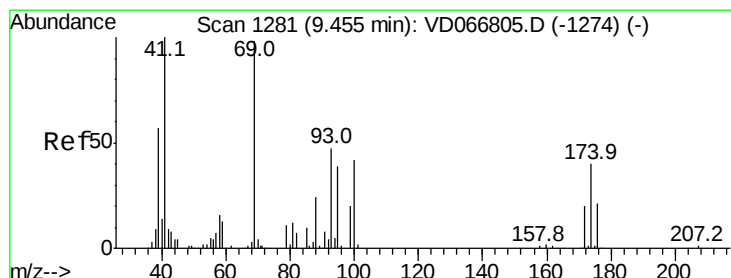
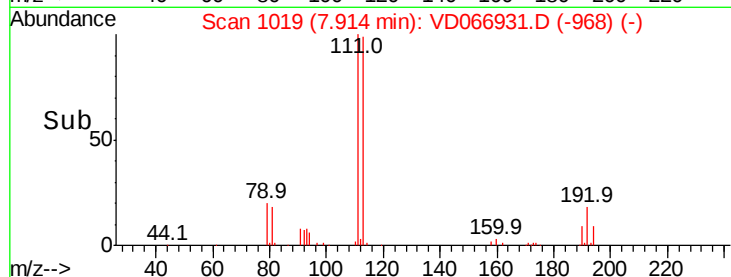
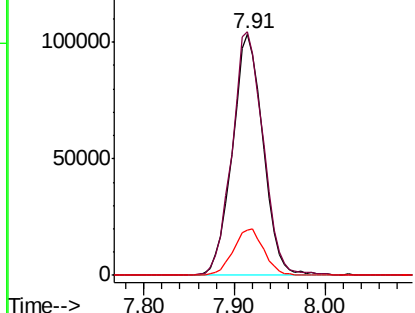
#35
 Dibromofluoromethane
 Concen: 50.452 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066931.D
 Acq: 29 Sep 2020 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-092820

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.8
192	19.1	14.4	21.6

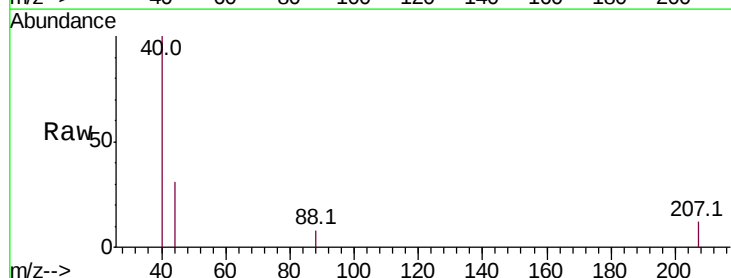


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

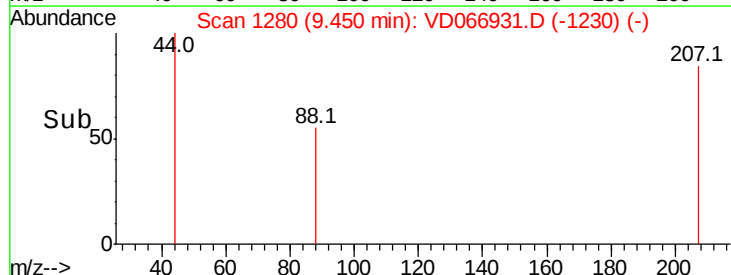
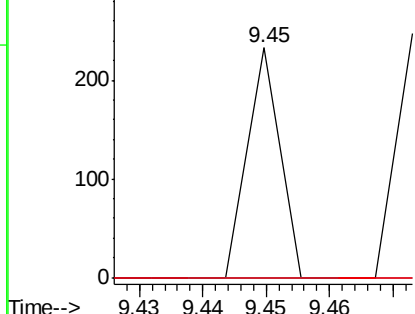


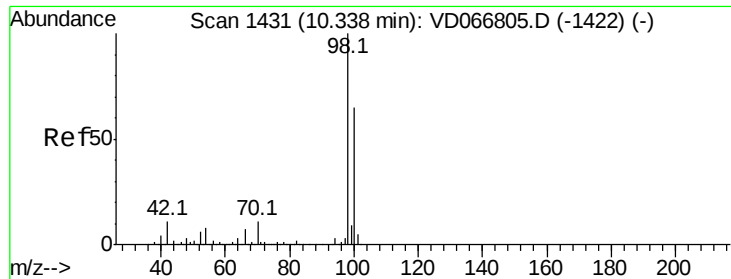
#49
 1,4-Dioxane
 Concen: Below Cal
 RT: 9.45 min Scan# 1280
 Delta R.T. -0.01 min
 Lab File: VD066931.D
 Acq: 29 Sep 2020 11:43

Tgt 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

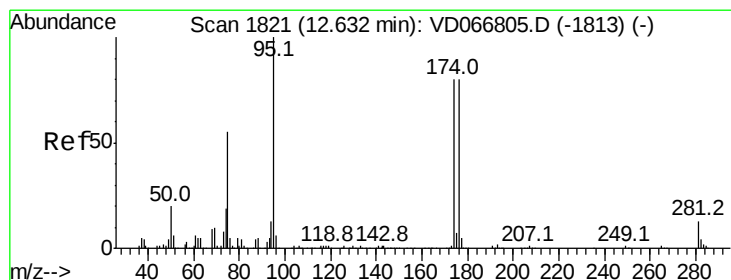
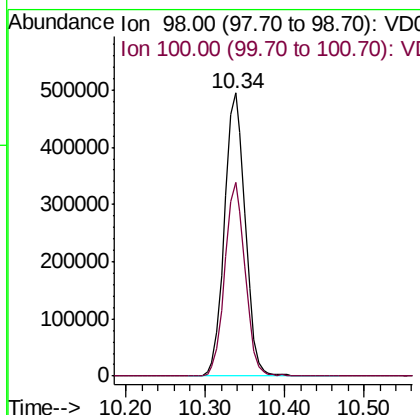
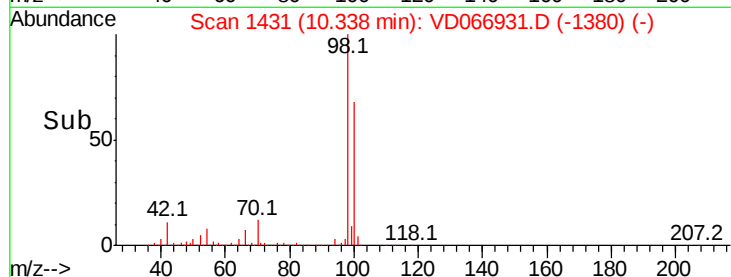
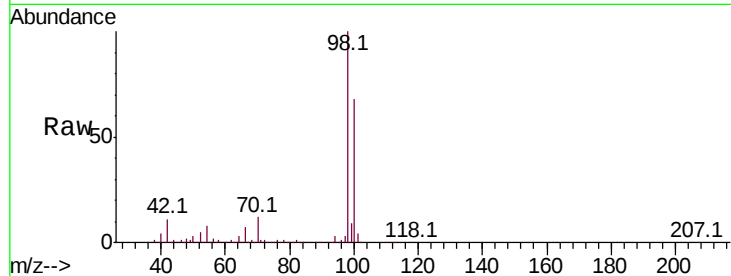




#50
Toluene-d8
Concen: 54.358 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066931.D
Acq: 29 Sep 2020 11:43

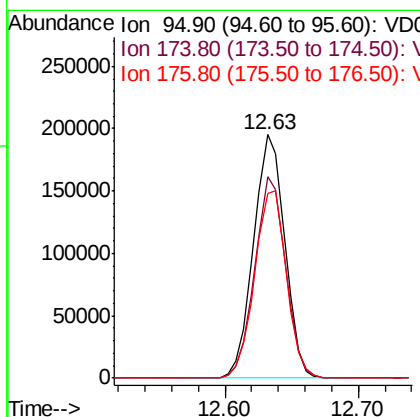
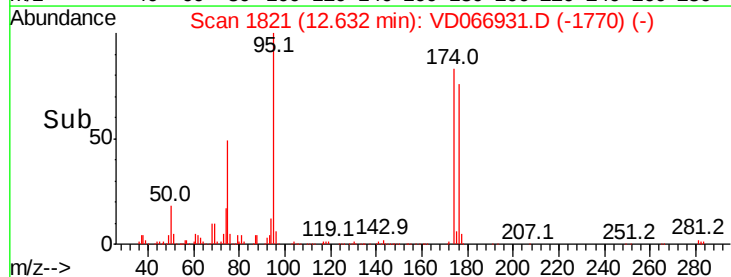
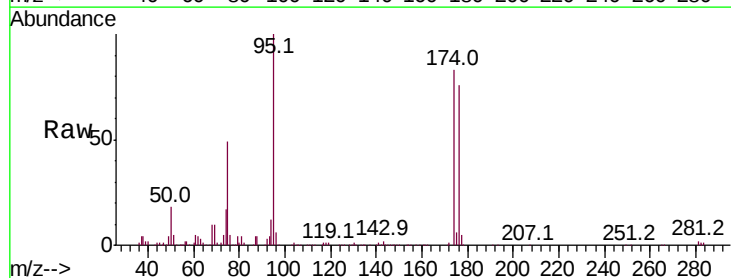
Instrument :
MSVOA_D
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OR-03-092820

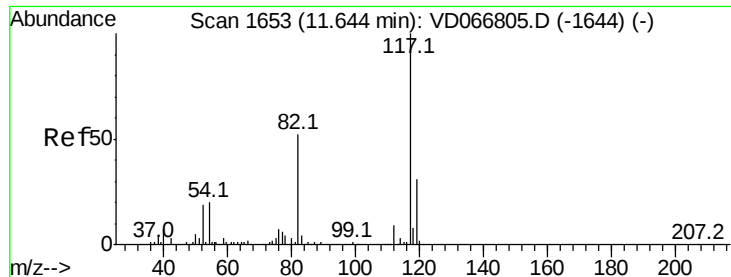
Tot Ion: 98 Resp: 894160
Ion Ratio Lower Upper
98 100
100 67.1 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 55.822 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066931.D
Acq: 29 Sep 2020 11:43

Tgt Ion: 95 Resp: 314346
Ion Ratio Lower Upper
95 100
174 81.9 0.0 159.8
176 78.8 0.0 154.4

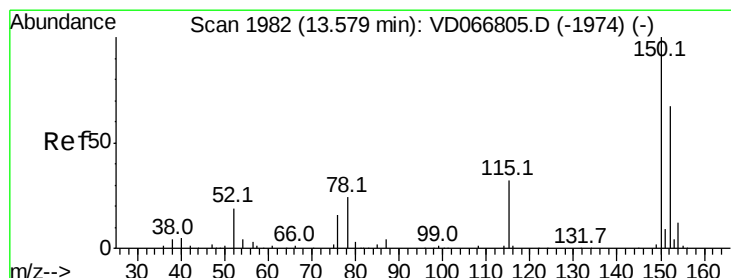
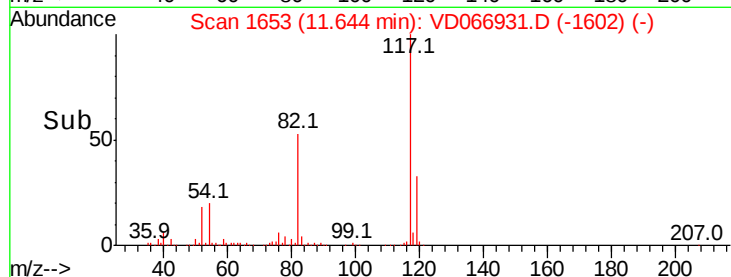
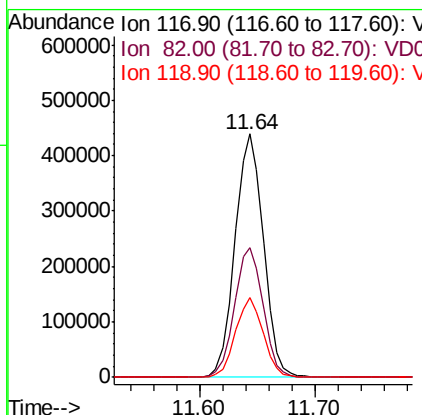
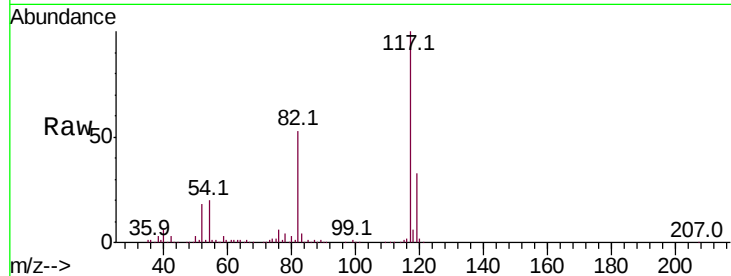




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066931.D
Acq: 29 Sep 2020 11:43

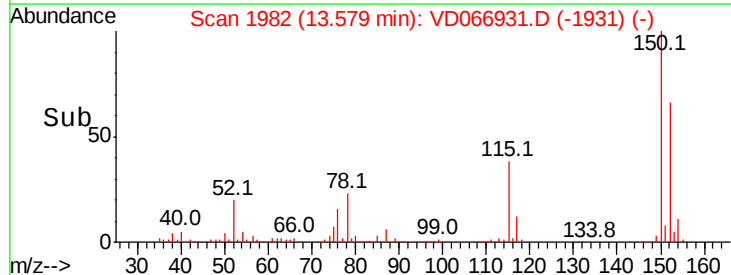
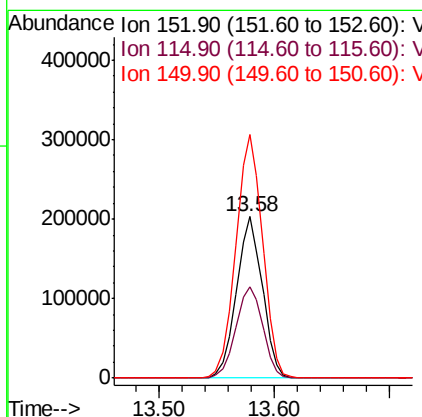
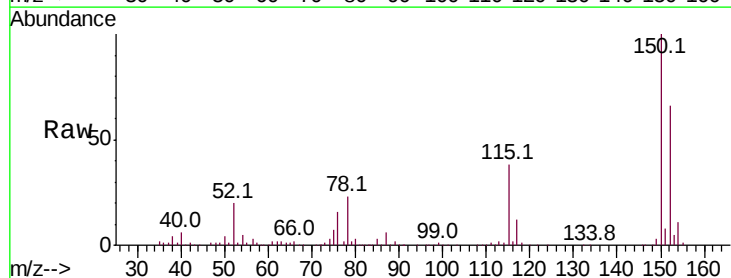
Instrument :
MSVOA_D
ClientSampleId :
OR-03-092820

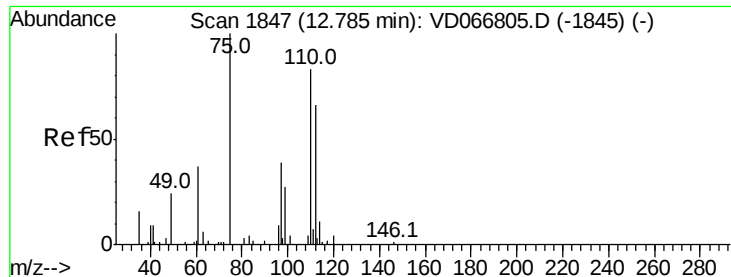
Tot Ion:117 Resp: 747791
Ion Ratio Lower Upper
117 100
82 53.1 41.8 62.6
119 32.7 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066931.D
Acq: 29 Sep 2020 11:43

Tgt Ion:152 Resp: 315233
Ion Ratio Lower Upper
152 100
115 59.0 30.3 91.0
150 155.1 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 60.832 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066931.D

Acq: 29 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

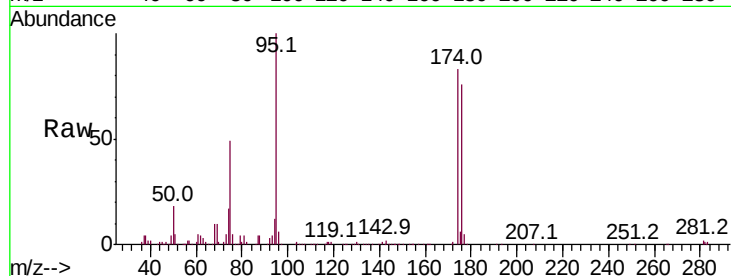
OR-03-092820

Tot Ion: 75 Resp: 158918

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

12.63

100000

80000

60000

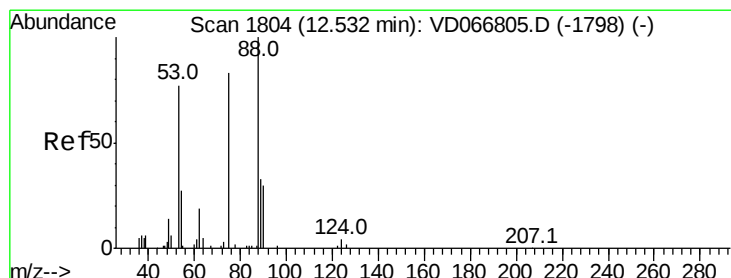
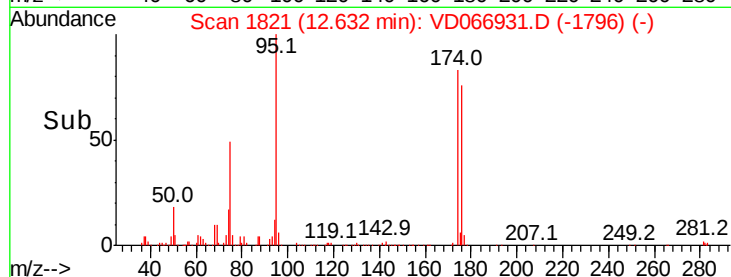
40000

20000

0

Time-->

12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 152.197 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066931.D

Acq: 29 Sep 2020 11:43

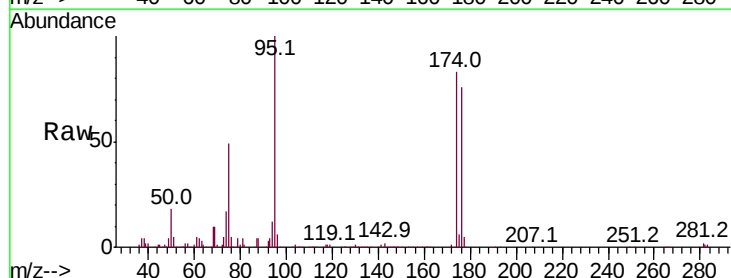
Tgt Ion: 75 Resp: 158918

Ion Ratio Lower Upper

75 100

53 0.0 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

12.63

120000

100000

80000

60000

40000

20000

0

Time-->

12.55 12.60 12.65 12.70

