

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066841.D
 Acq On : 24 Sep 2020 10:39
 Operator : VA/SY
 Sample : VD0924SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBL01

Quant Time: Sep 25 01:08:31 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	7.97	168	418978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	745799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	741924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	347084	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	231192	56.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.76%	
35) Dibromofluoromethane	7.91	113	238958	50.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.72%	
50) Toluene-d8	10.34	98	906667	56.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.16%	
62) 4-Bromofluorobenzene	12.63	95	321133	58.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.06%	

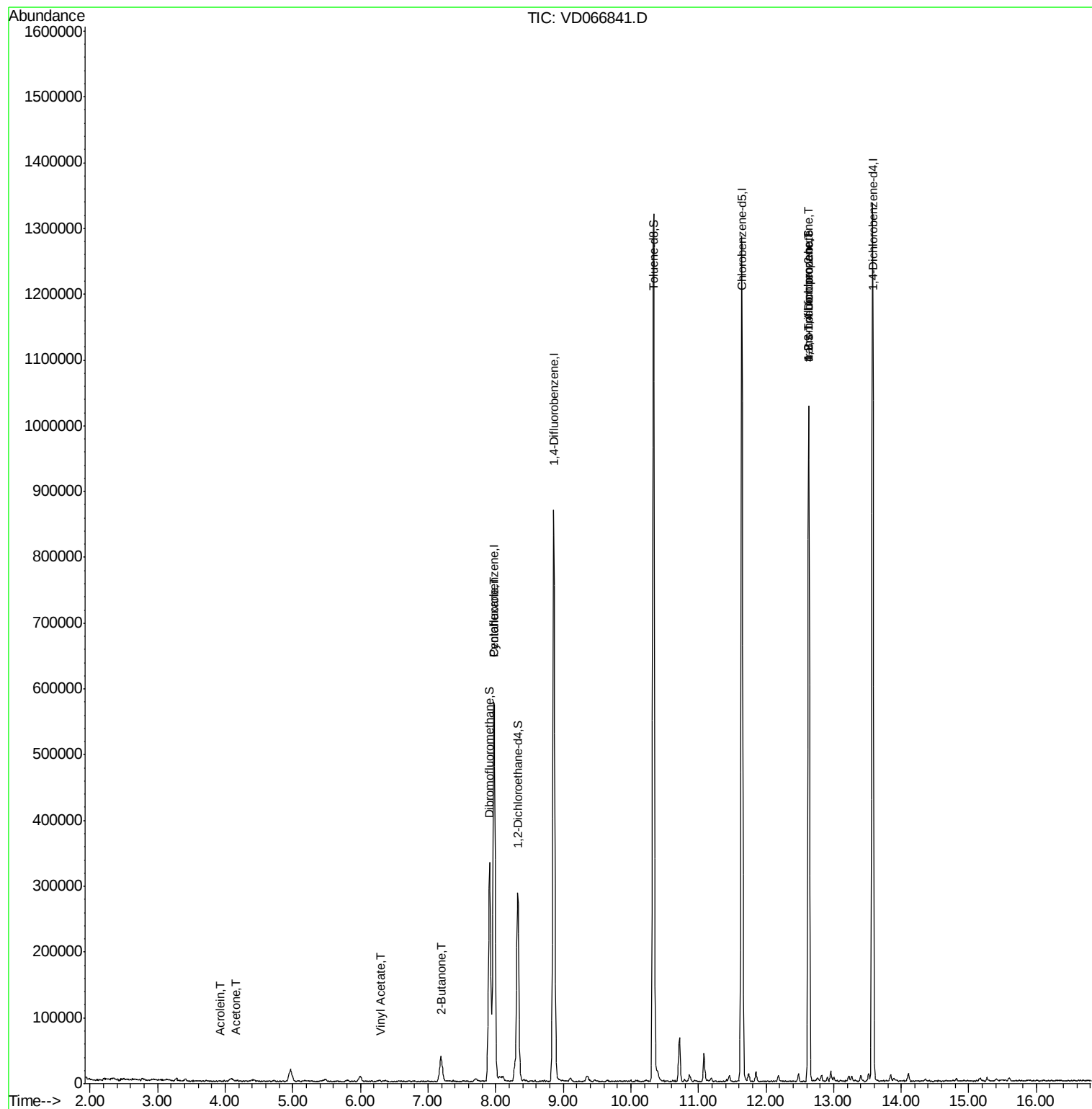
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1293	Below Cal	#	12
11) Tert butyl alcohol	5.21	59	867	Below Cal	#	72
13) Acrolein	3.93	56	345	1.140	ug/l #	54
16) Acetone	4.16	43	2617	3.008	ug/l	95
18) Methyl Acetate	4.71	43	196	Below Cal	#	50
20) Methylene Chloride	4.97	84	15520	Below Cal		84
23) Vinyl Acetate	6.30	43	606	2.761	ug/l #	71
25) 2-Butanone	7.20	43	2551	2.440	ug/l	96
31) Cyclohexane	7.98	56	12654	1.697	ug/l #	18
49) 1,4-Dioxane	9.45	88	689	Below Cal	#	55
76) 1,2,3-Trichloropropane	12.63	75	165839	57.656	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	165839	144.250	ug/l #	10

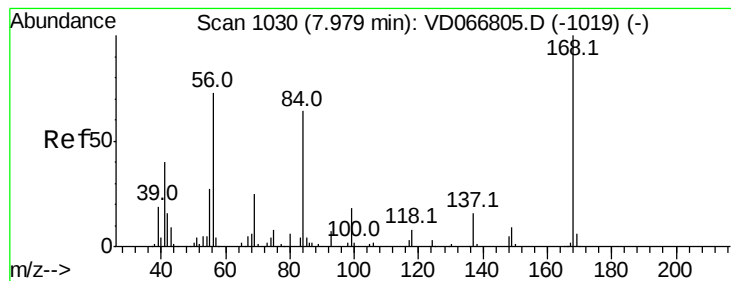
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092420\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066841.D

Acq: 24 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

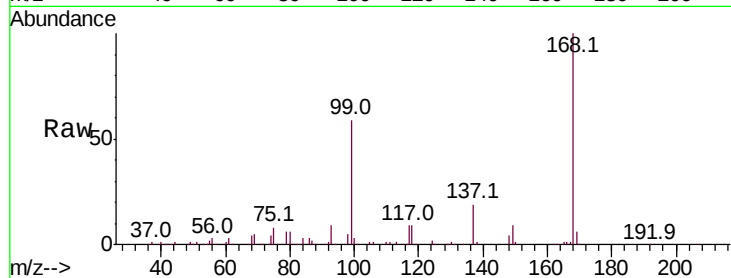
VD0924SBL01

Tot Ion:168 Resp: 418978

Ion Ratio Lower Upper

168 100

99 58.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

200000

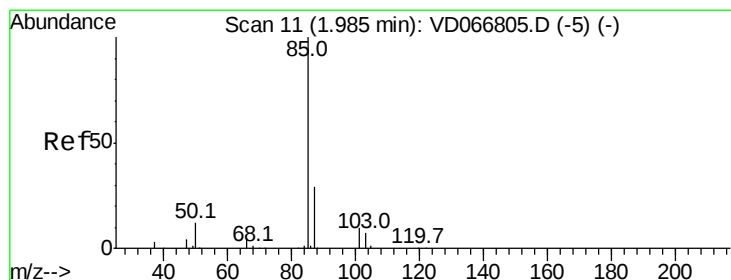
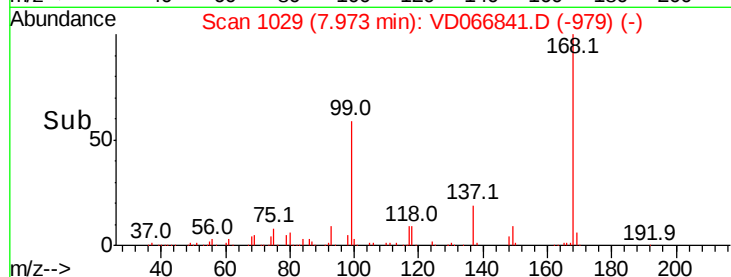
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066841.D

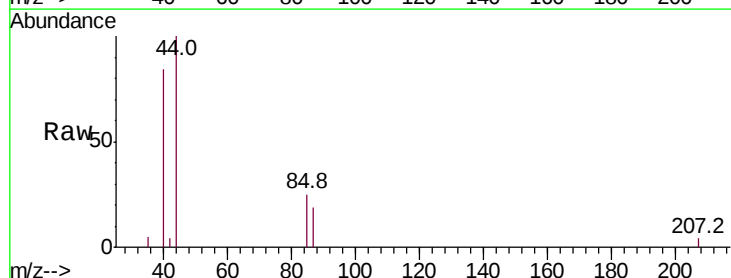
Acq: 24 Sep 2020 10:39

Tgt Ion: 85 Resp: 1293

Ion Ratio Lower Upper

85 100

87 75.7 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

1000

800

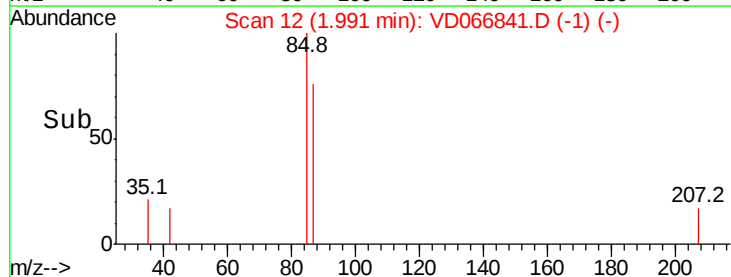
600

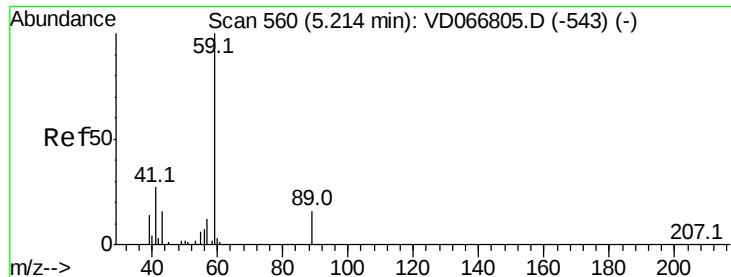
400

200

0

Time-->



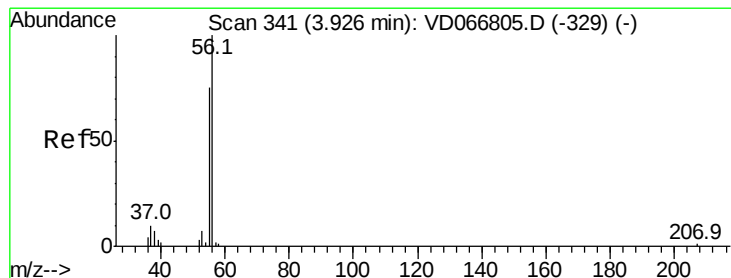
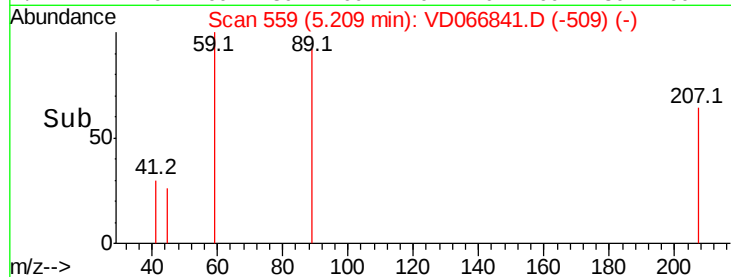
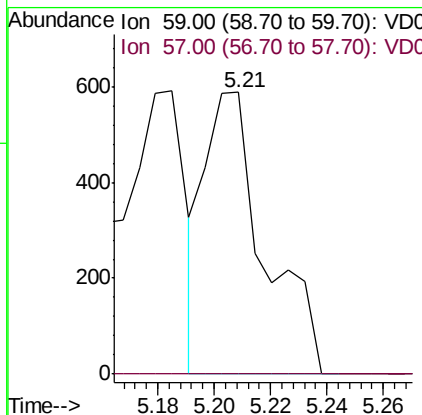
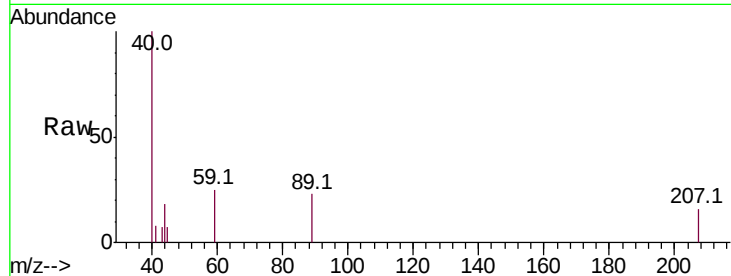


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066841.D
 Acq: 24 Sep 2020 10:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBL01

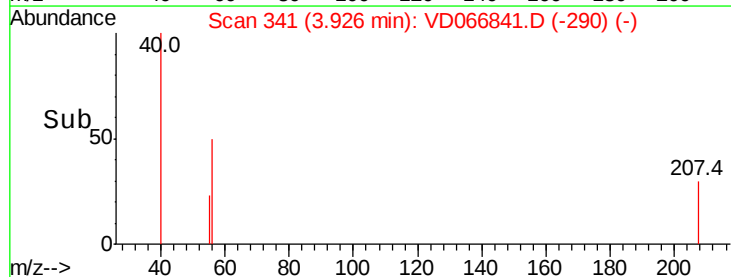
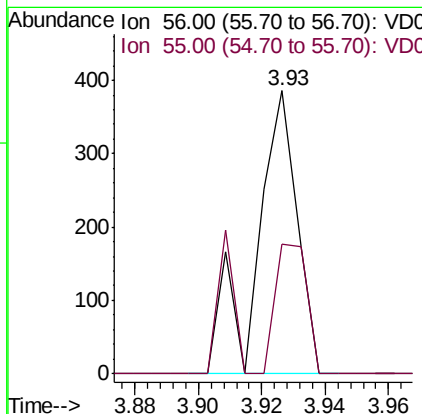
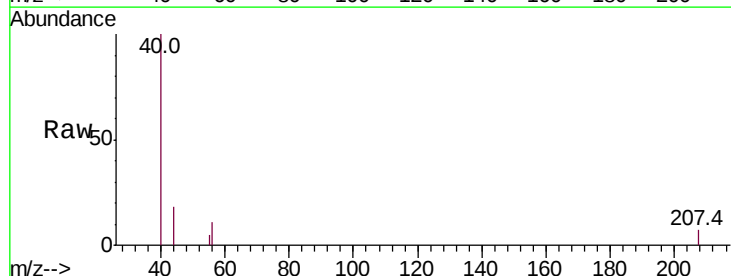
Tot Ion: 59 Resp: 867
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

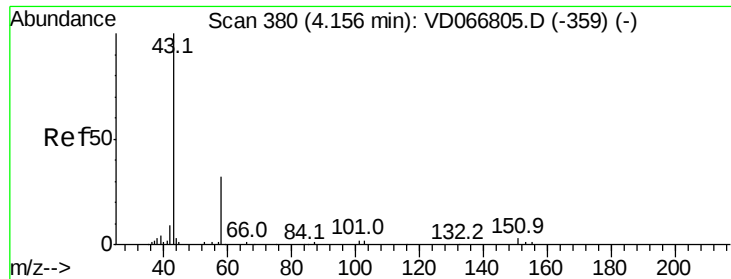


#13

Acrolein
 Concen: 1.140 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VD066841.D
 Acq: 24 Sep 2020 10:39

Tgt Ion: 56 Resp: 345
 Ion Ratio Lower Upper
 56 100
 55 35.9 60.3 90.5#





#16

Acetone

Concen: 3.008 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066841.D

Acq: 24 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

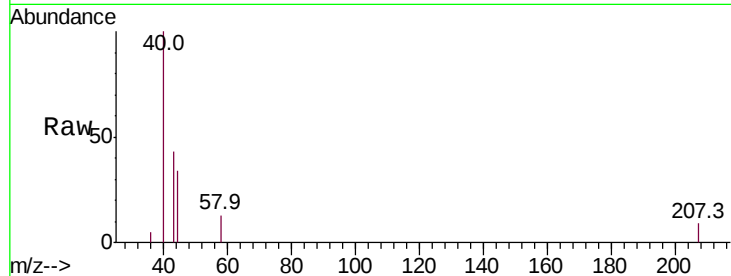
VD0924SBL01

Tot Ion: 43 Resp: 2617

Ion Ratio Lower Upper

43 100

58 29.0 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

1500

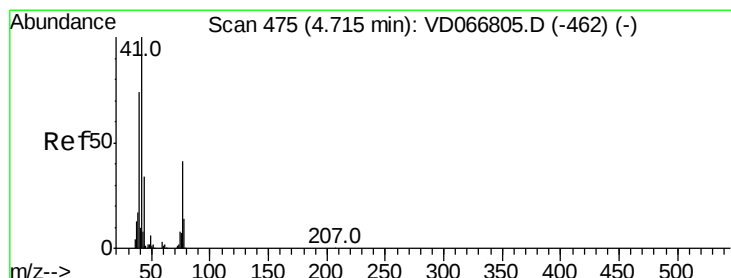
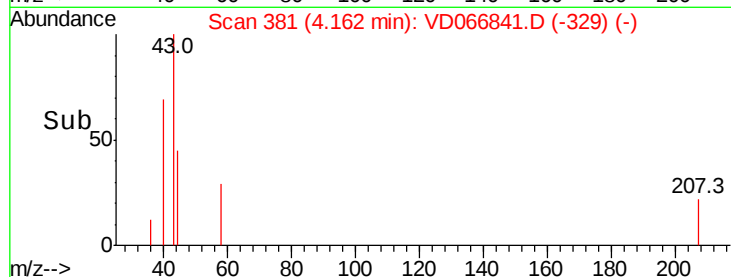
1000

500

0

4.10 4.15 4.20

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066841.D

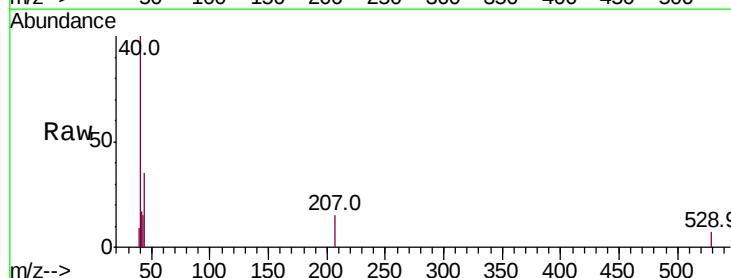
Acq: 24 Sep 2020 10:39

Tgt Ion: 43 Resp: 196

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

400

300

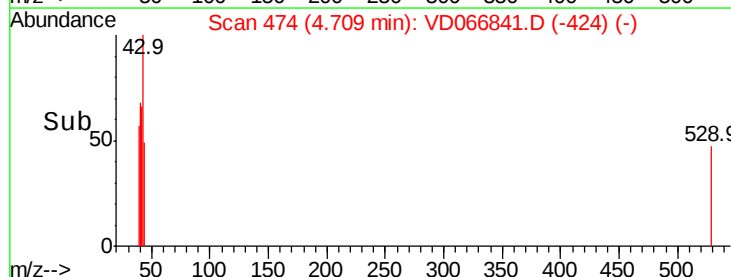
200

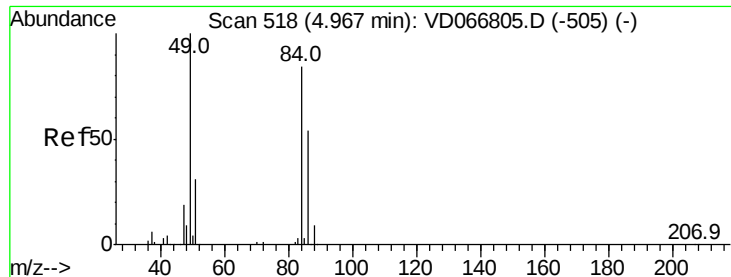
100

0

4.69 4.70 4.71 4.72

Time-->

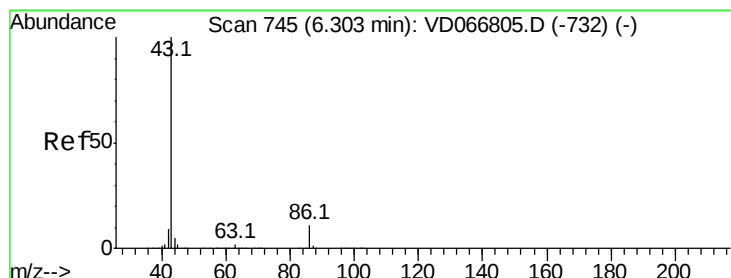
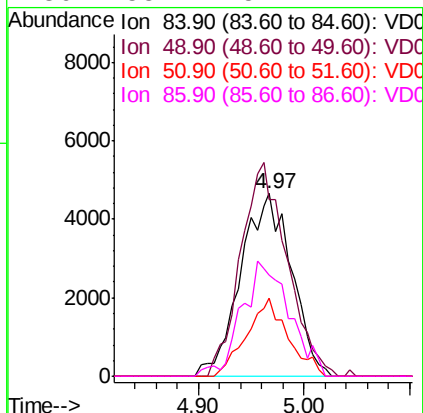
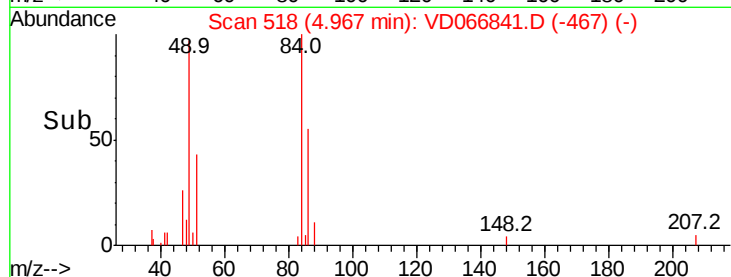
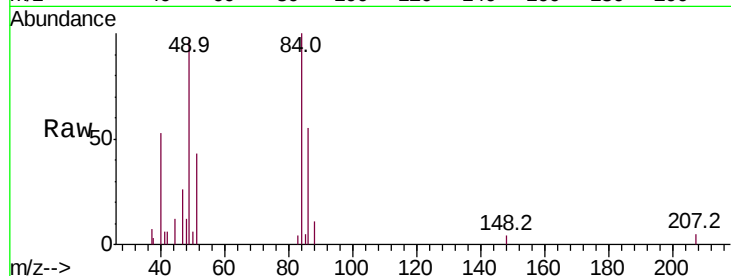




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066841.D
Acq: 24 Sep 2020 10:39

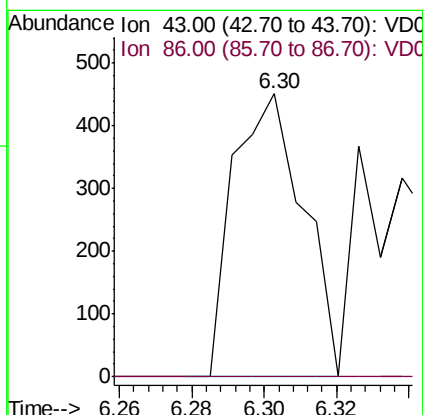
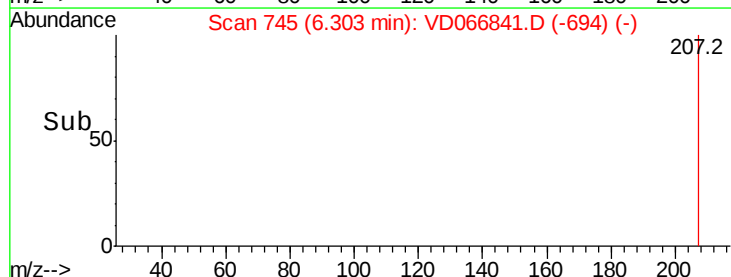
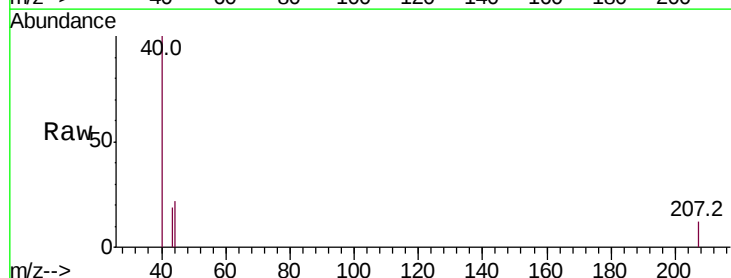
Instrument :
MSVOA_D
ClientSampleId :
VD0924SBL01

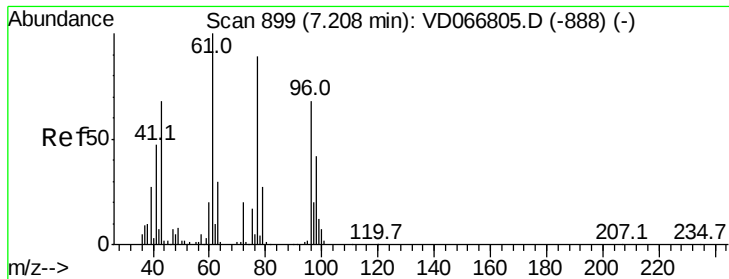
Tot Ion:	84	Resp:	15520
Ion	Ratio	Lower	Upper
84	100		
49	96.6	95.4	143.2
51	42.9	29.7	44.5
86	55.2	51.4	77.2



#23
Vinyl Acetate
Concen: 2.761 ug/l
RT: 6.30 min Scan# 745
Delta R.T. 0.00 min
Lab File: VD066841.D
Acq: 24 Sep 2020 10:39

Tgt Ion:	43	Resp:	606
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.9	13.3#





#25

2-Butanone

Concen: 2.440 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066841.D

Acq: 24 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

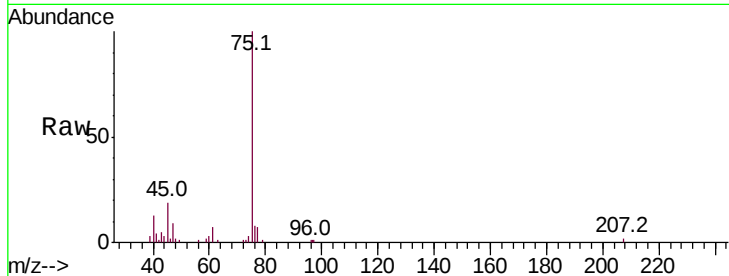
VD0924SBL01

Tot Ion: 43 Resp: 2551

Ion Ratio Lower Upper

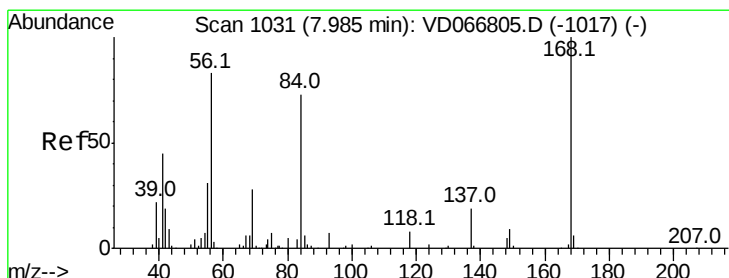
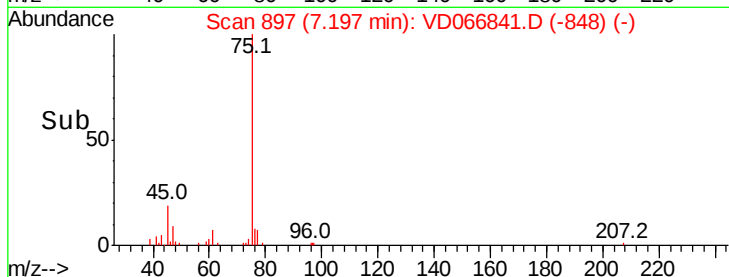
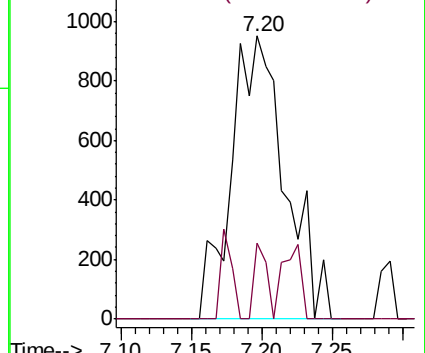
43 100

72 26.6 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.697 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066841.D

Acq: 24 Sep 2020 10:39

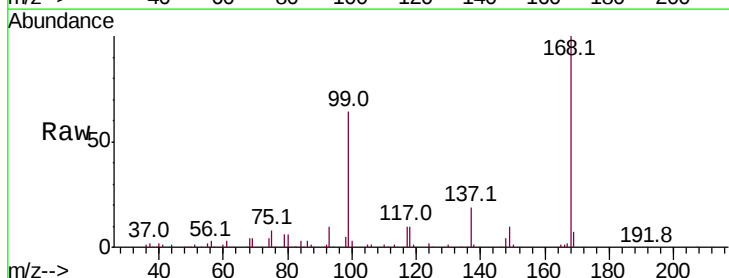
Tgt Ion: 56 Resp: 12654

Ion Ratio Lower Upper

56 100

69 157.0 27.0 40.4#

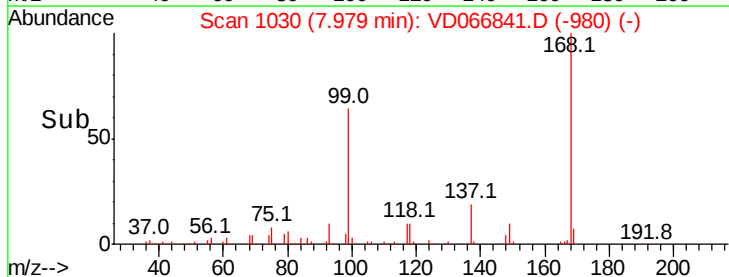
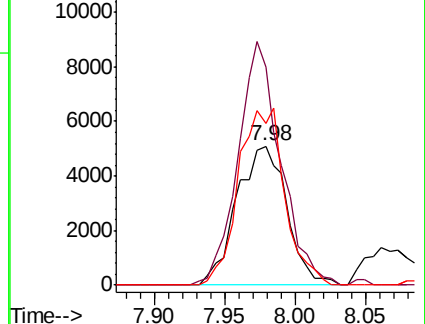
84 115.9 70.2 105.4#

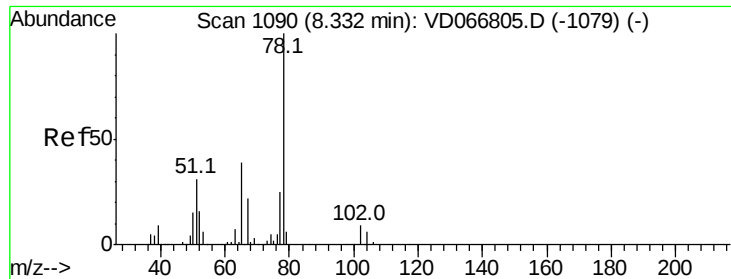


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 56.377 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

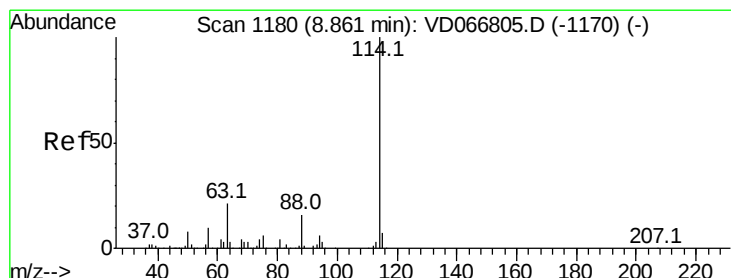
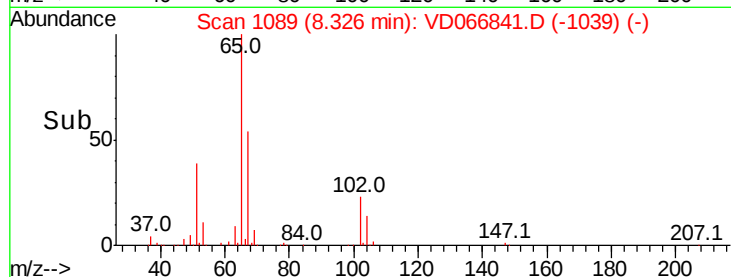
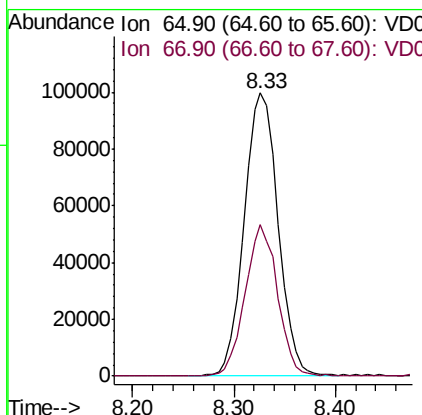
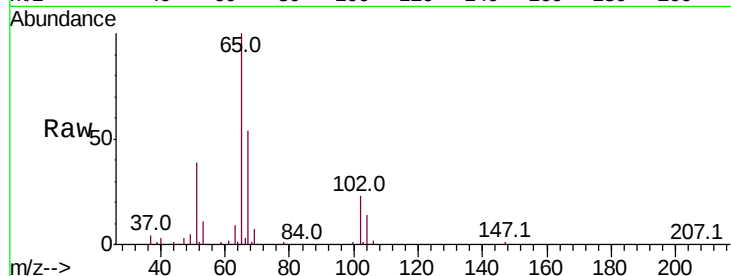
Lab File: VD066841.D

Acq: 24 Sep 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBL01

Tot Ion: 65 Resp: 231192

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

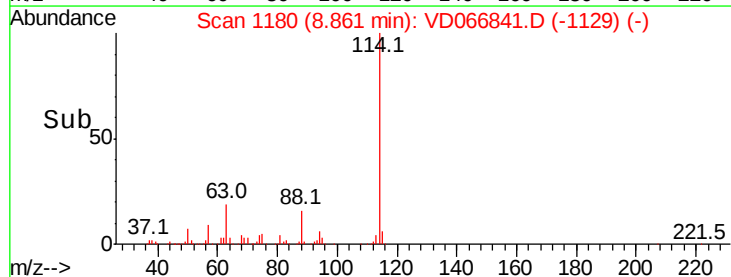
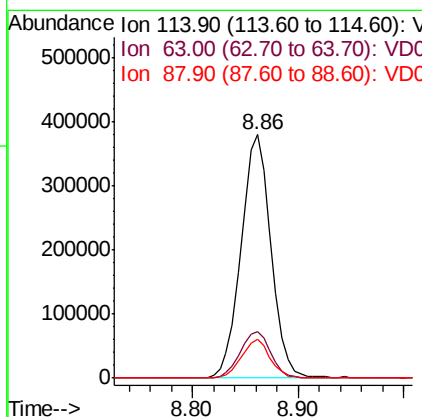
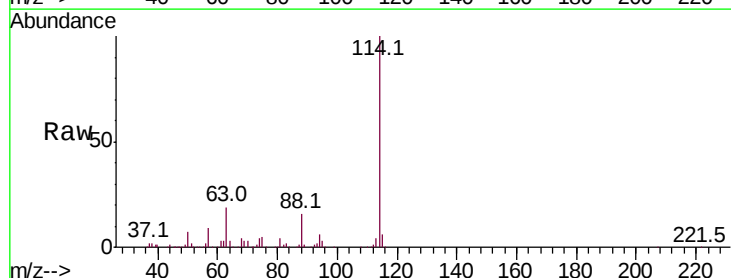
Delta R.T. 0.00 min

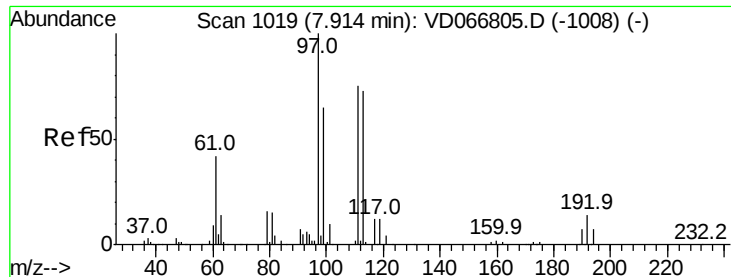
Lab File: VD066841.D

Acq: 24 Sep 2020 10:39

Tgt Ion: 114 Resp: 745799

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	42.6
88	15.8	0.0	32.6

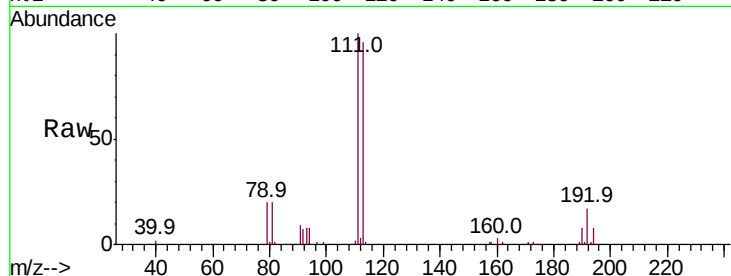




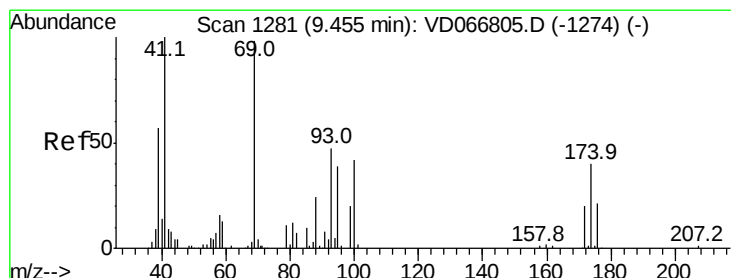
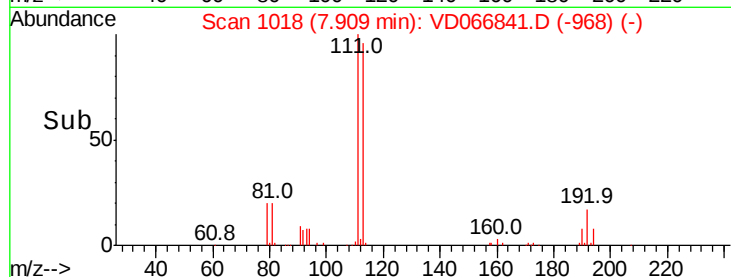
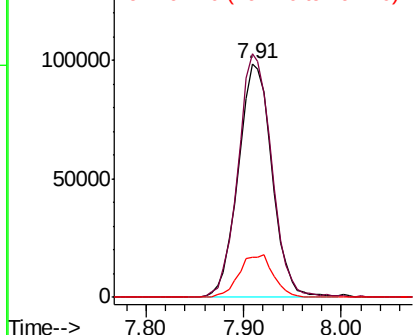
#35
 Dibromofluoromethane
 Concen: 50.362 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066841.D
 Acq: 24 Sep 2020 10:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBL01

Tot Ion:113 Resp: 238958
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.8 122.8
 192 18.4 14.4 21.6

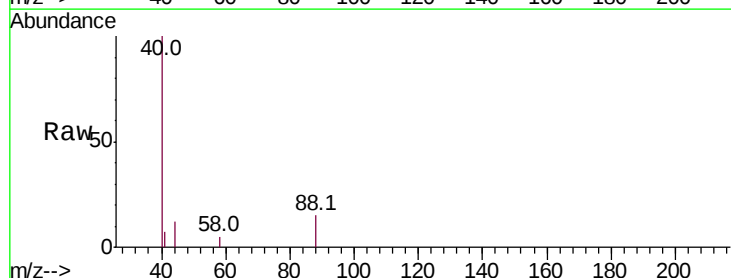


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

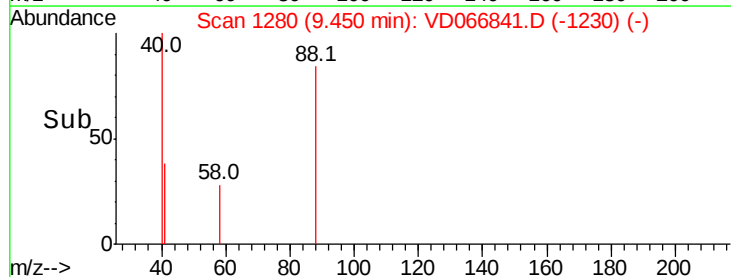
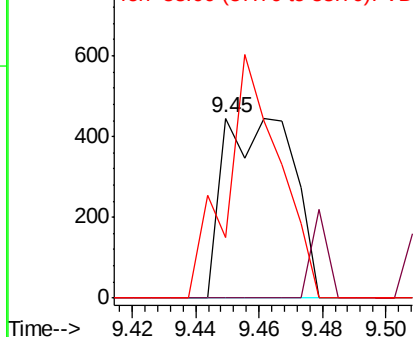


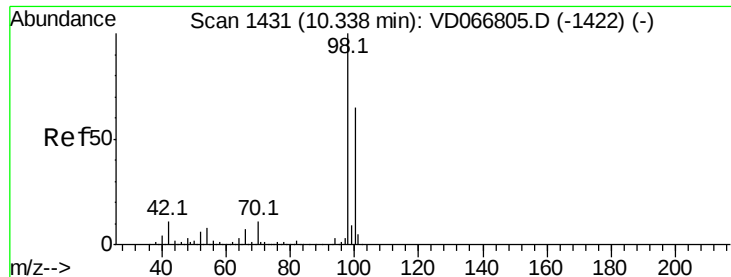
#49
 1,4-Dioxane
 Concen: Below Cal
 RT: 9.45 min Scan# 1280
 Delta R.T. -0.01 min
 Lab File: VD066841.D
 Acq: 24 Sep 2020 10:39

Tgt Ion: 88 Resp: 689
 Ion Ratio Lower Upper
 88 100
 43 0.0 27.7 41.5#
 58 100.6 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

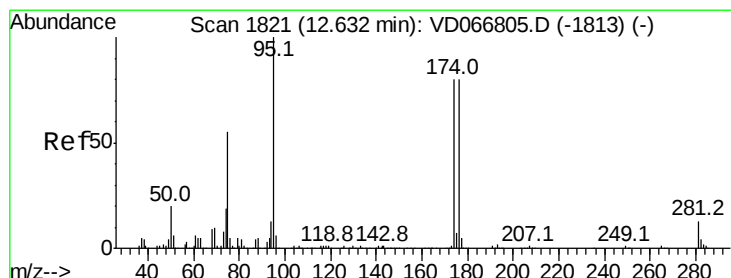
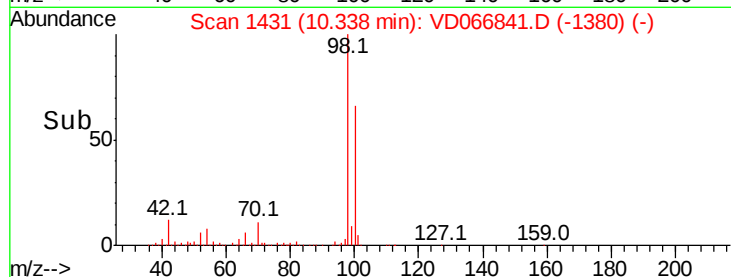
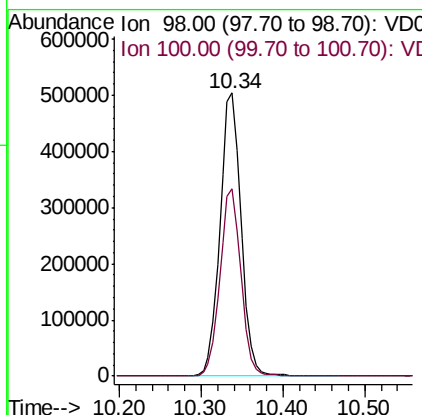
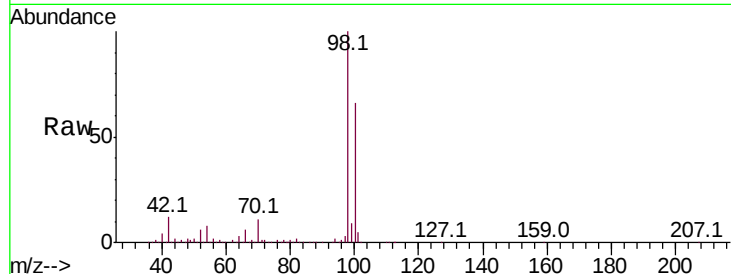




#50
Toluene-d8
Concen: 56.084 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066841.D
Acq: 24 Sep 2020 10:39

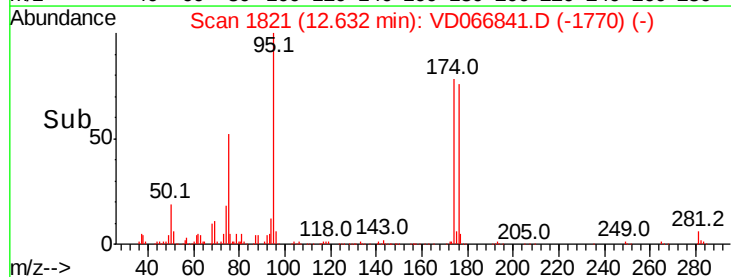
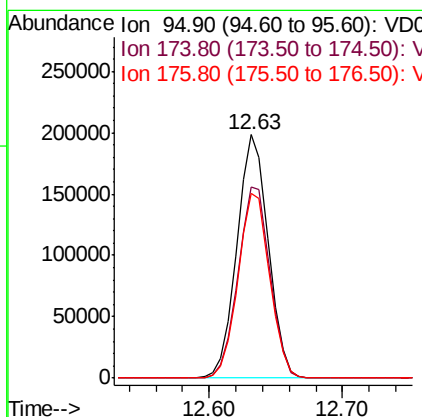
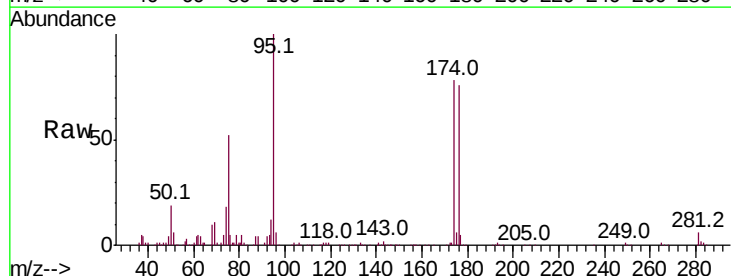
Instrument :
MSVOA_D
ClientSampleId :
VD0924SBL01

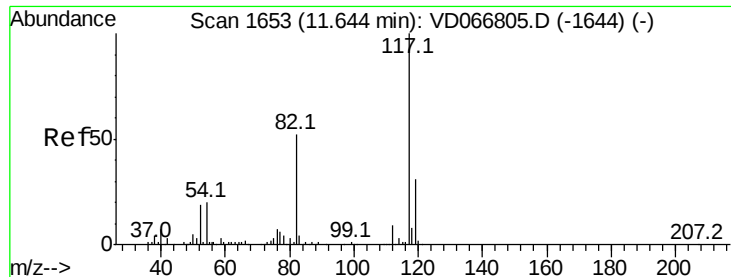
Tot Ion: 98 Resp: 906667
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 58.026 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066841.D
Acq: 24 Sep 2020 10:39

Tgt Ion: 95 Resp: 321133
Ion Ratio Lower Upper
95 100
174 80.2 0.0 159.8
176 76.7 0.0 154.4

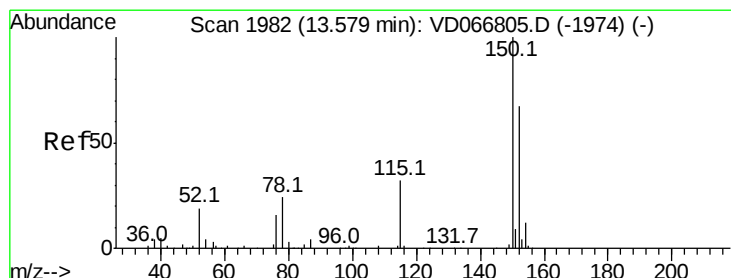
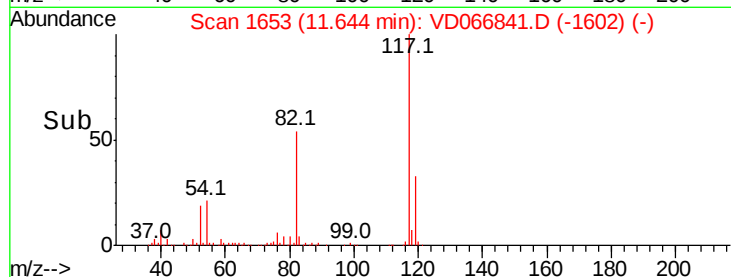
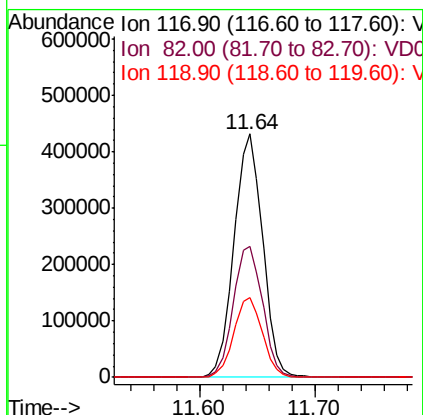
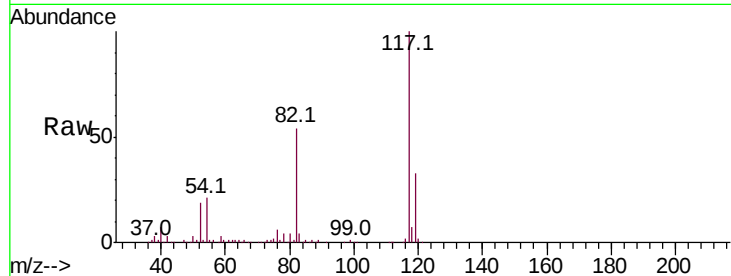




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066841.D
Acq: 24 Sep 2020 10:39

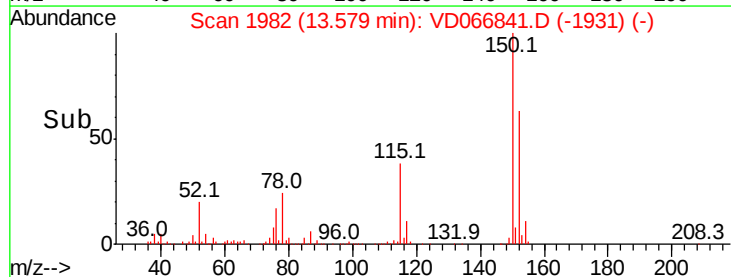
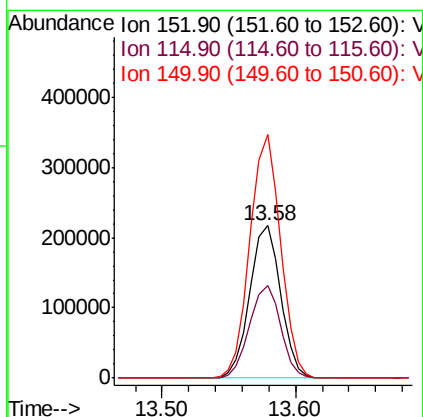
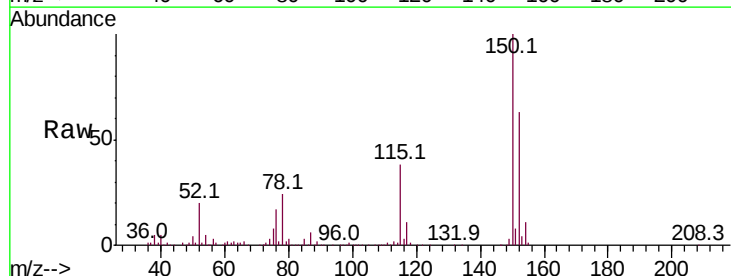
Instrument :
MSVOA_D
ClientSampleId :
VD0924SBL01

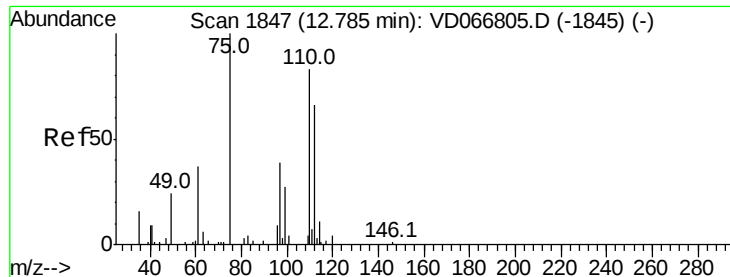
Tot Ion:117 Resp: 741924
Ion Ratio Lower Upper
117 100
82 53.9 41.8 62.6
119 32.7 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066841.D
Acq: 24 Sep 2020 10:39

Tgt Ion:152 Resp: 347084
Ion Ratio Lower Upper
152 100
115 61.0 30.3 91.0
150 158.7 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 57.656 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066841.D

Acq: 24 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

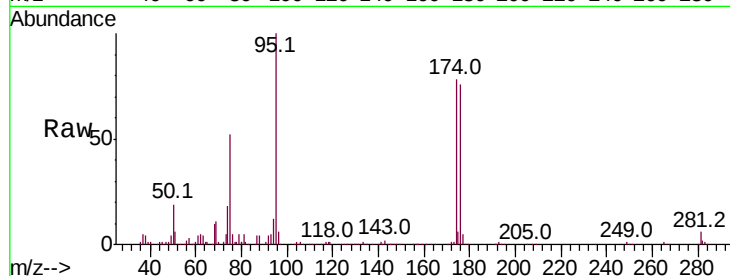
VD0924SBL01

Tot Ion: 75 Resp: 165839

Ion Ratio Lower Upper

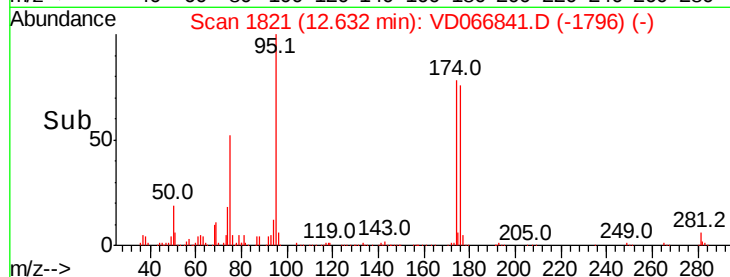
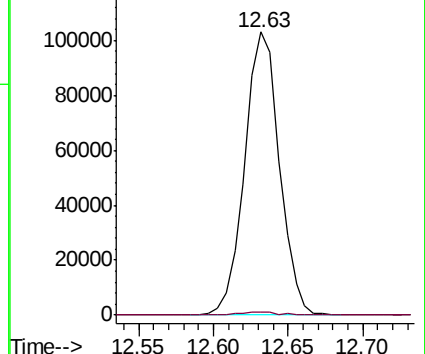
75 100

77 1.3 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: 144.250 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066841.D

Acq: 24 Sep 2020 10:39

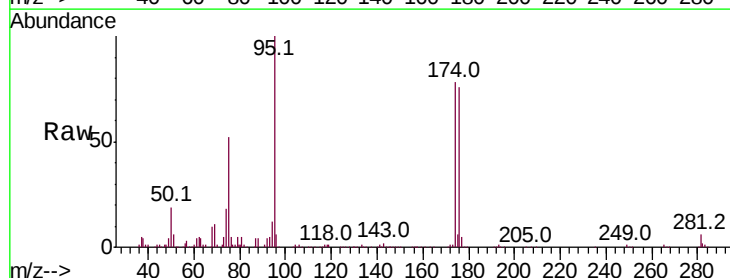
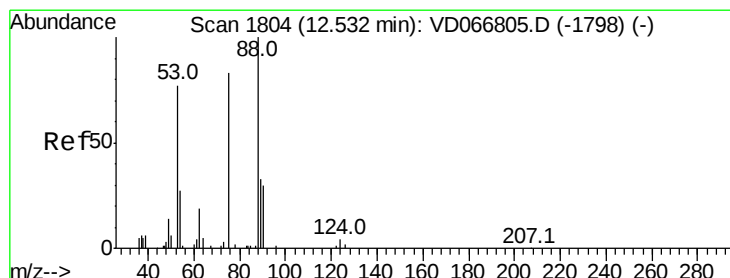
Tgt Ion: 75 Resp: 165839

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

