

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD093020\
 Data File : VD066970.D
 Acq On : 30 Sep 2020 13:35
 Operator : VA/SY
 Sample : L4179-05RE
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-10(4-5)

Quant Time: Oct 01 00:55:26 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	479856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	796940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	851372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	421037	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	213176	45.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.78%	
35) Dibromofluoromethane	7.91	113	246471	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	10.34	98	949903	54.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.98%	
62) 4-Bromofluorobenzene	12.63	95	403239	68.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.38%	

Target Compounds

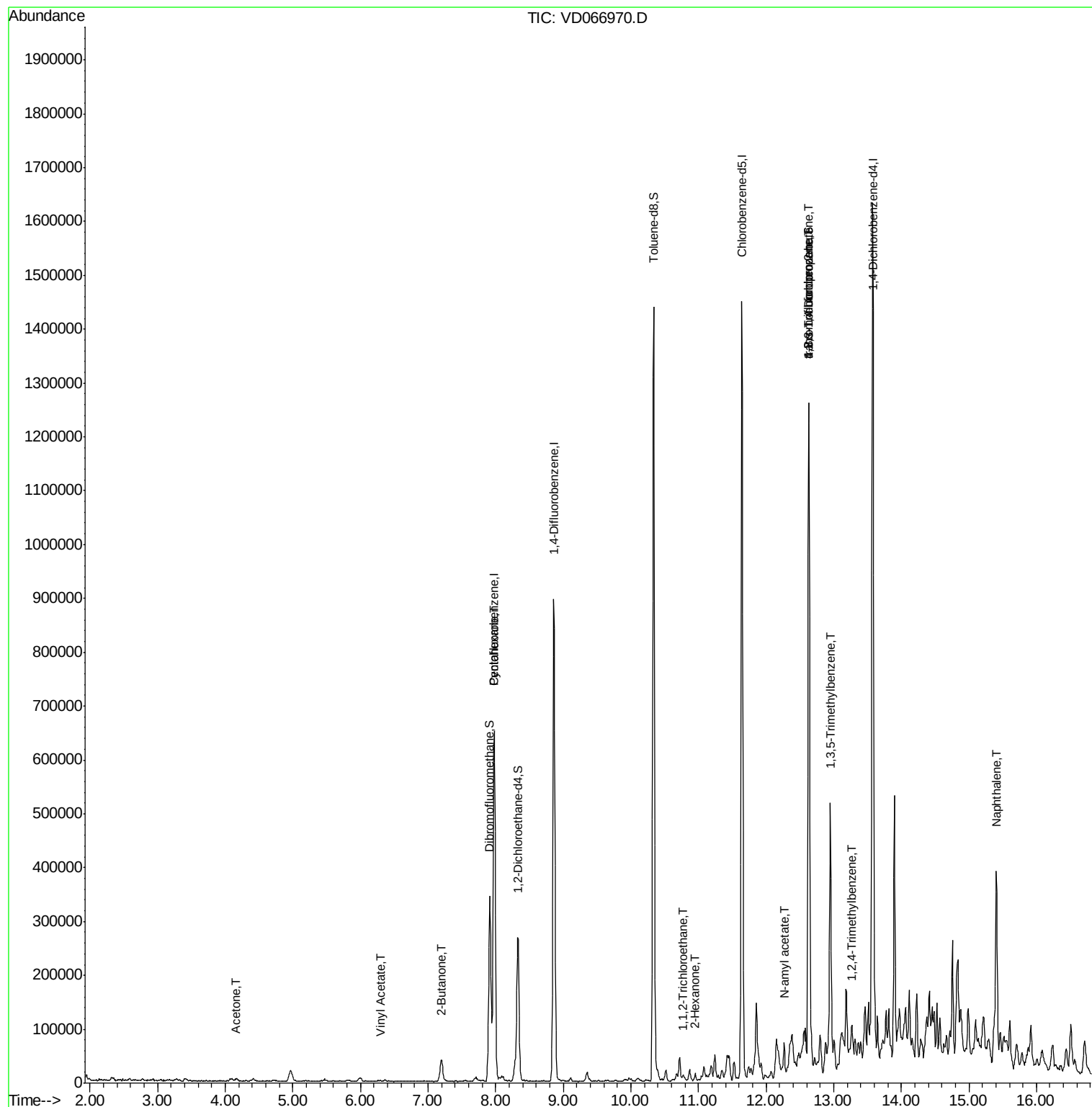
						Qvalue
2) Dichlorodifluoromethane	1.99	85	1912	Below Cal	#	1
11) Tert butyl alcohol	5.20	59	1548	Below Cal	#	72
16) Acetone	4.16	43	4450	4.466	ug/l	96
18) Methyl Acetate	4.71	43	267	Below Cal	#	50
20) Methylene Chloride	4.97	84	16425	Below Cal		96
23) Vinyl Acetate	6.31	43	534	2.740	ug/l #	71
25) 2-Butanone	7.20	43	1880	1.570	ug/l #	46
31) Cyclohexane	7.98	56	12337	1.445	ug/l #	8
49) 1,4-Dioxane	9.47	88	56	Below Cal	#	23
55) 1,1,2-Trichloroethane	10.77	97	5048	1.219	ug/l #	27
59) 2-Hexanone	10.95	43	5021	2.667	ug/l #	25
74) N-amyl acetate	12.27	43	12363	2.081	ug/l #	65
76) 1,2,3-Trichloropropane	12.63	75	203544	58.335	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.96	105	43155	1.672	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.63	75	203544	145.949	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.27	105	35976	1.406	ug/l	95
95) Naphthalene	15.41	128	309787	24.107	ug/l	99

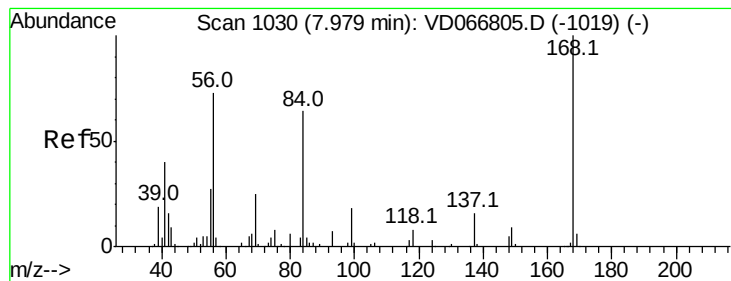
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD093020\
Data File : VD066970.D
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Quant Time: Oct 01 00:55:26 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: VD066970.D

Acq: 30 Sep 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

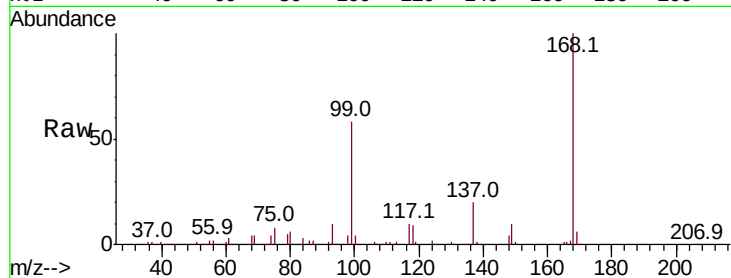
B-10(4-5)

Tot Ion:168 Resp: 479856

Ion Ratio Lower Upper

168 100

99 57.7 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

250000

200000

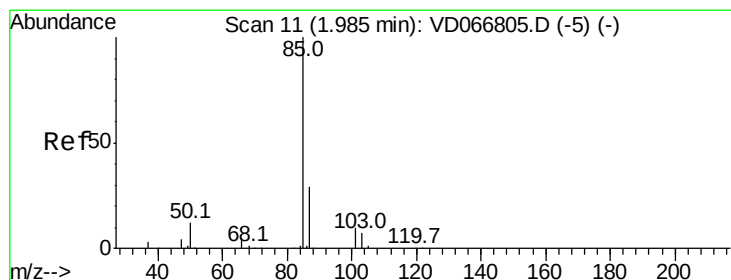
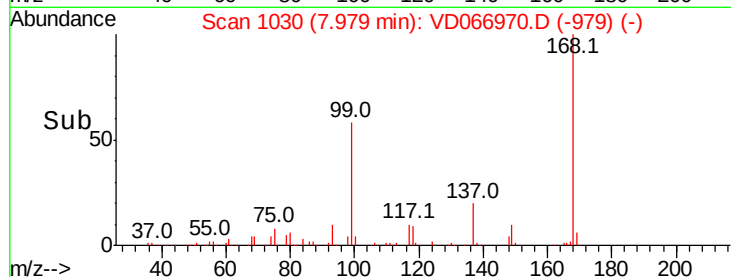
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066970.D

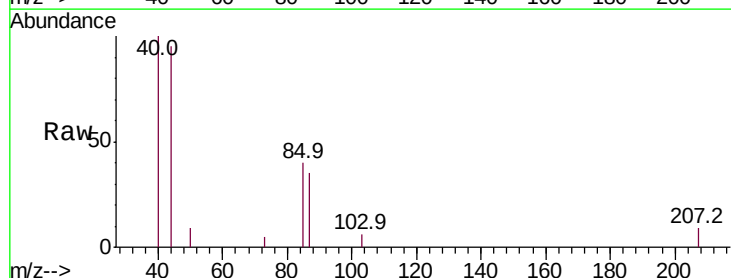
Acq: 30 Sep 2020 13:35

Tgt Ion: 85 Resp: 1912

Ion Ratio Lower Upper

85 100

87 86.4 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

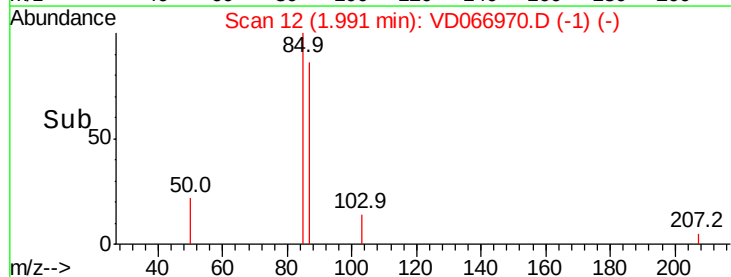
1.99

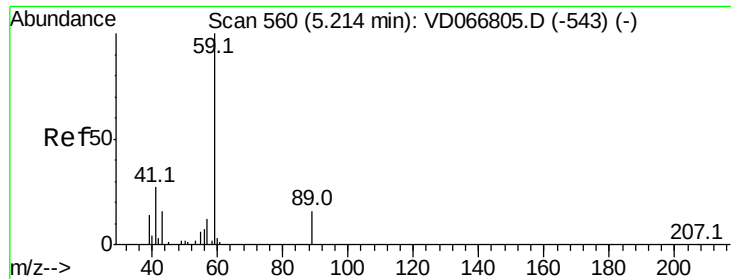
1000

500

0

Time-->



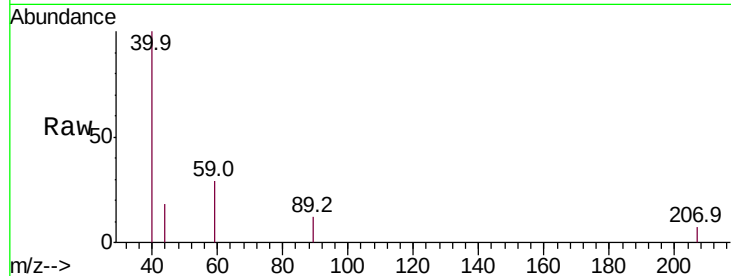


#11

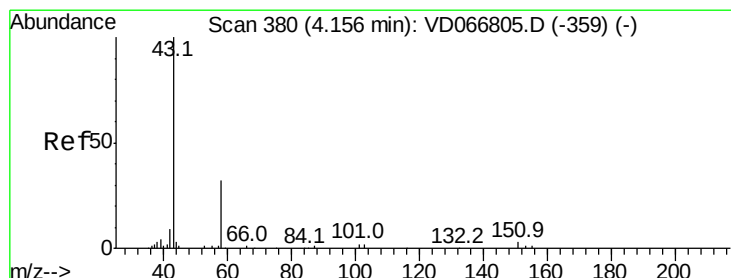
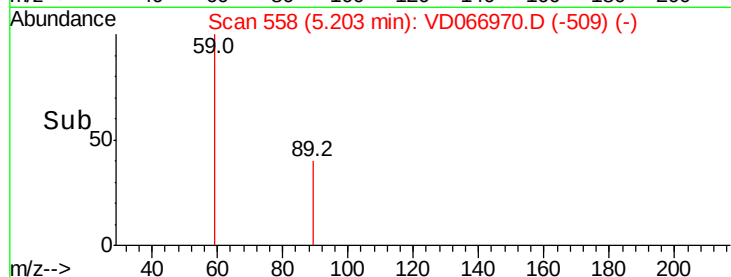
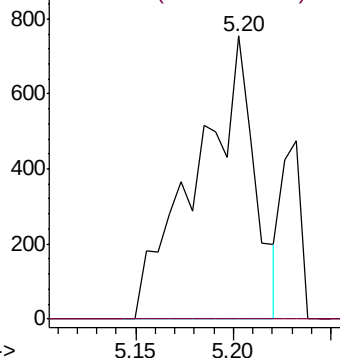
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD066970.D
 Acq: 30 Sep 2020 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 B-10(4-5)

Tot Ion: 59 Resp: 1548
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



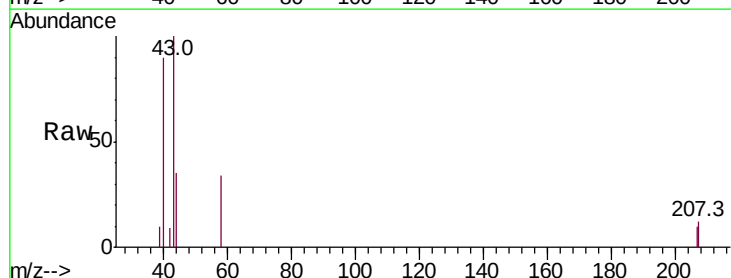
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



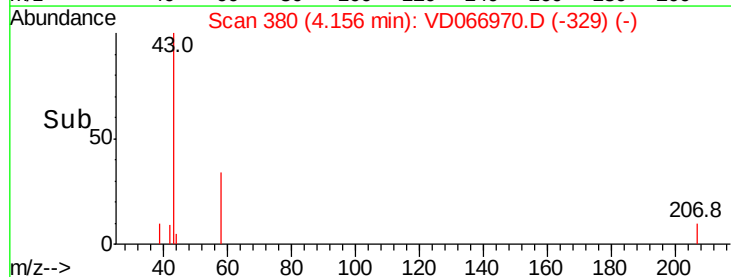
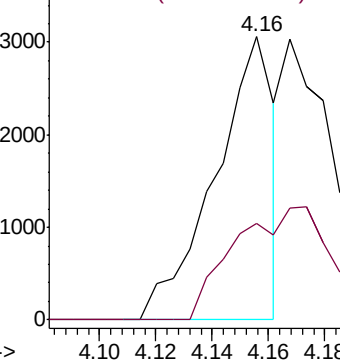
#16

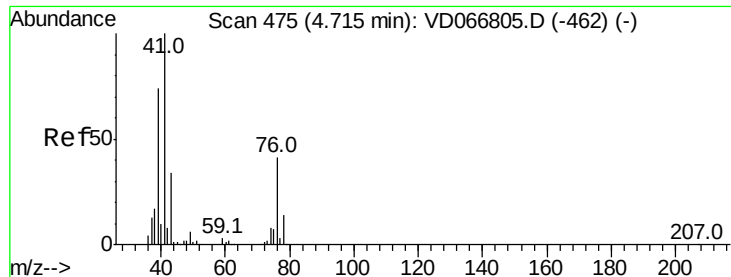
Acetone
 Concen: 4.466 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066970.D
 Acq: 30 Sep 2020 13:35

Tgt Ion: 43 Resp: 4450
 Ion Ratio Lower Upper
 43 100
 58 34.0 25.6 38.4



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

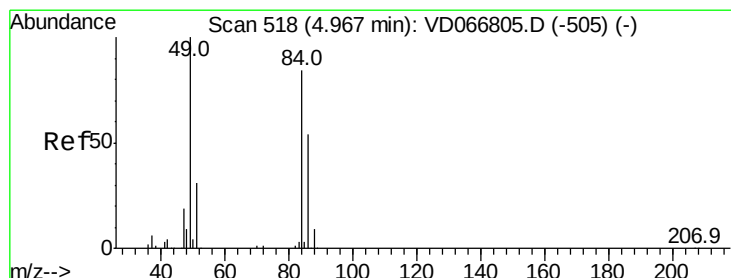
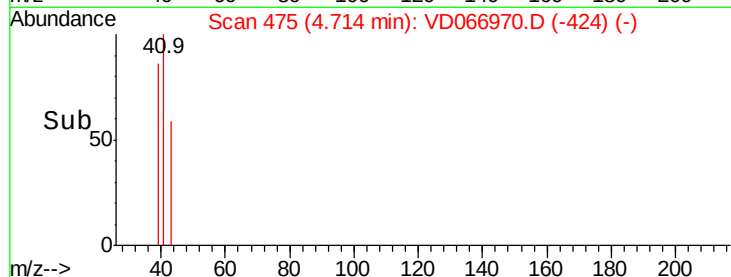
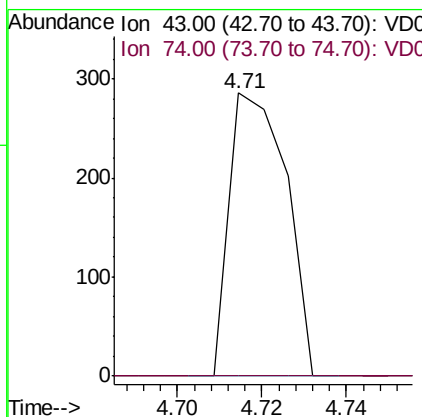
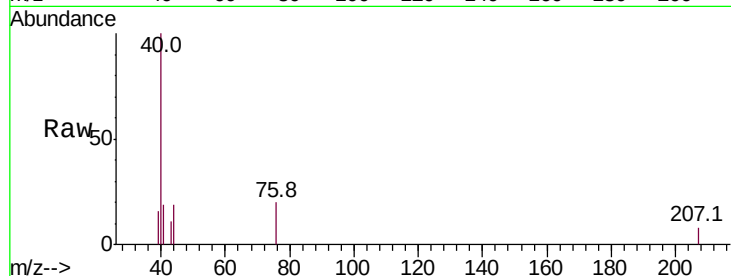




#18
Methvl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066970.D
Acq: 30 Sep 2020 13:35

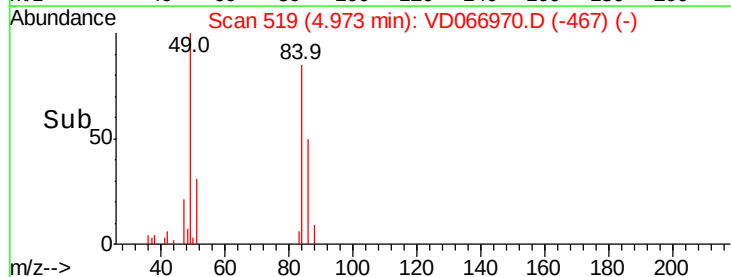
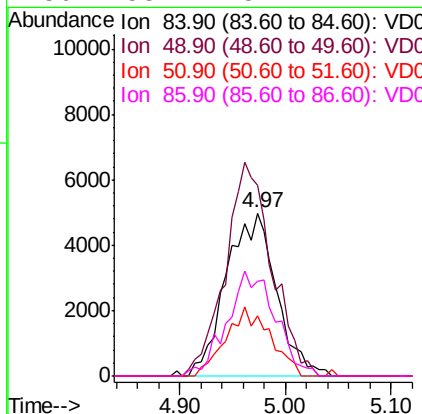
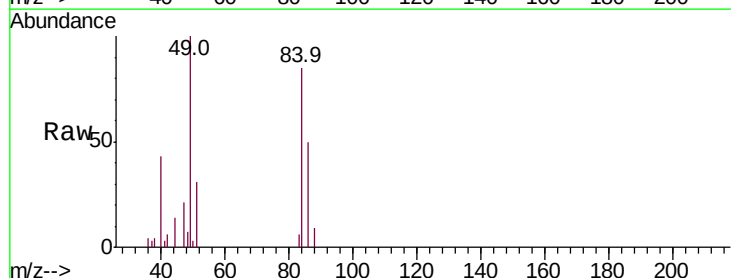
Instrument :
MSVOA_D
ClientSampleId :
B-10(4-5)

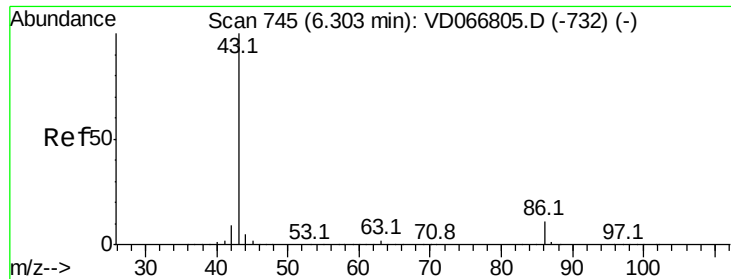
Tot Ion: 43 Resp: 267
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066970.D
Acq: 30 Sep 2020 13:35

Tgt Ion: 84 Resp: 16425
Ion Ratio Lower Upper
84 100
49 117.1 95.4 143.2
51 36.6 29.7 44.5
86 58.1 51.4 77.2





#23

Vinyl Acetate

Concen: 2.740 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066970.D

Acq: 30 Sep 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

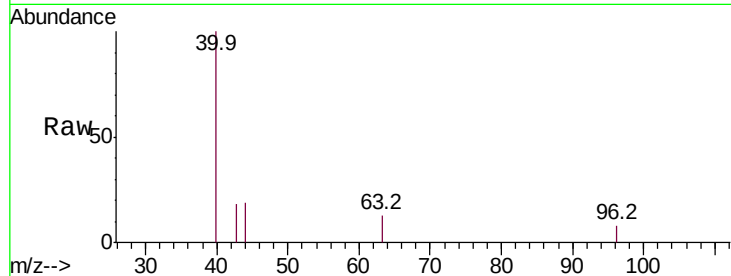
B-10(4-5)

Tot Ion: 43 Resp: 534

Ion Ratio Lower Upper

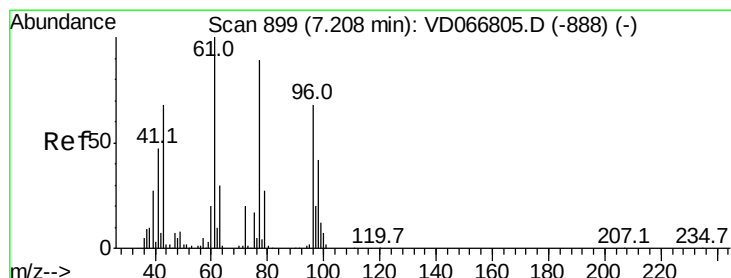
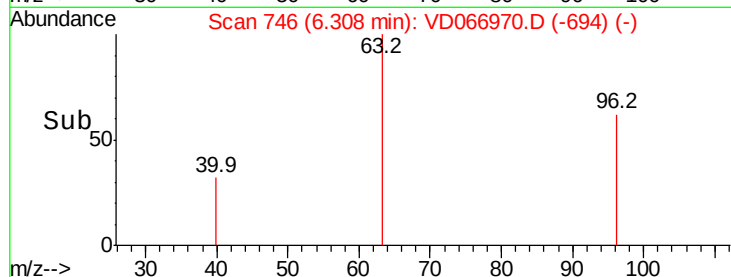
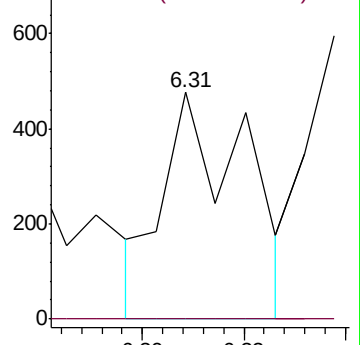
43 100

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



#25

2-Butanone

Concen: 1.570 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066970.D

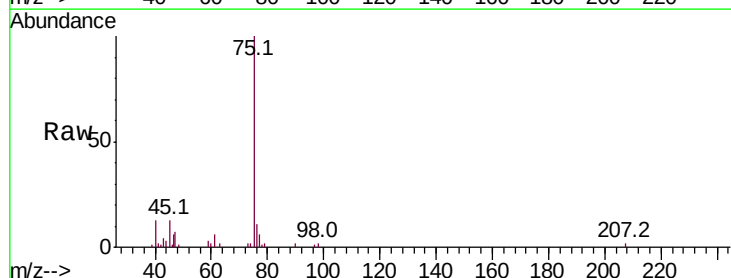
Acq: 30 Sep 2020 13:35

Tgt Ion: 43 Resp: 1880

Ion Ratio Lower Upper

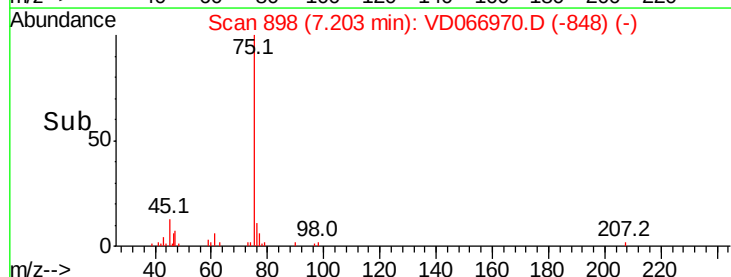
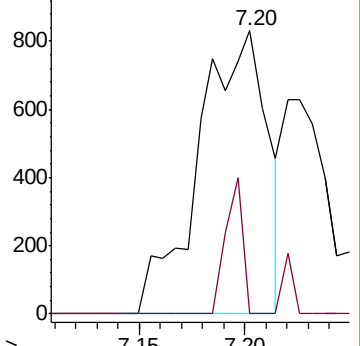
43 100

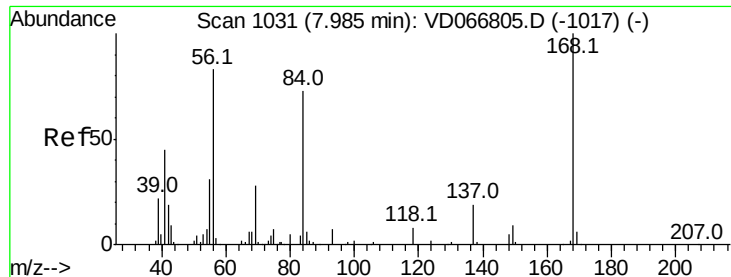
72 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

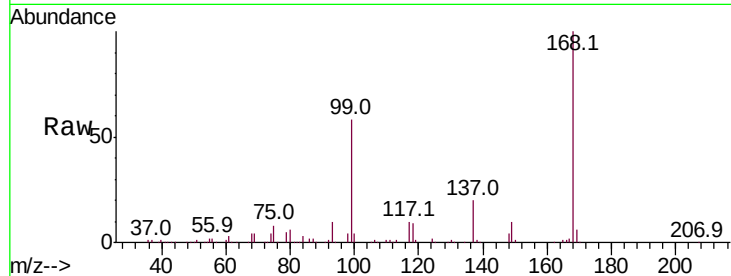




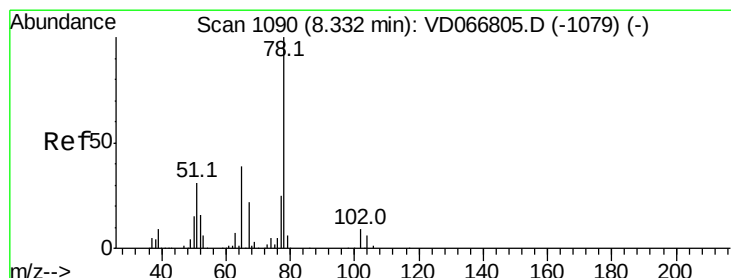
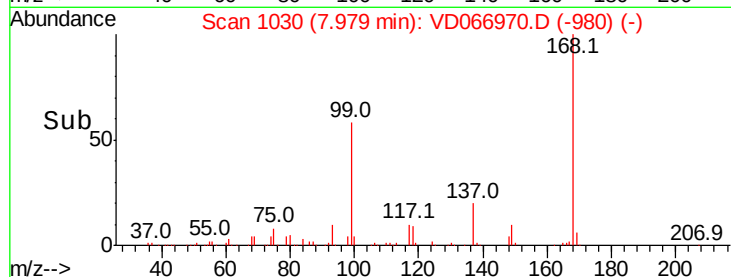
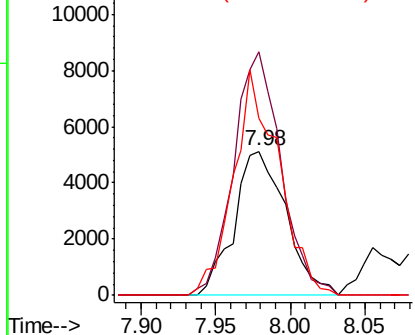
#31
Cyclohexane
Concen: 1.445 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066970.D
Acq: 30 Sep 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
B-10(4-5)

Tot Ion: 56 Resp: 12337
Ion Ratio Lower Upper
56 100
69 168.6 27.0 40.4#
84 122.3 70.2 105.4#

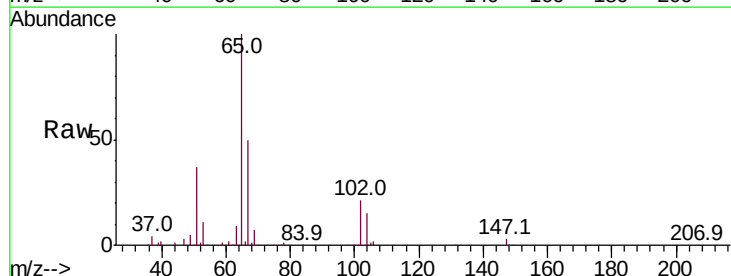


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

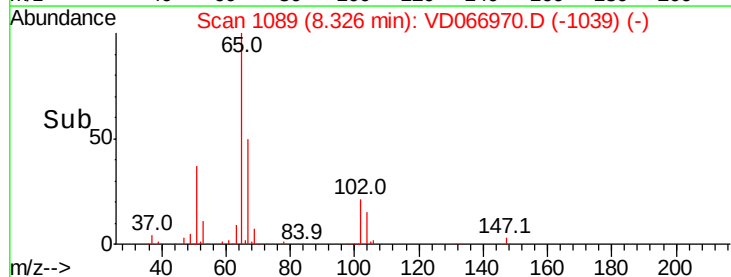
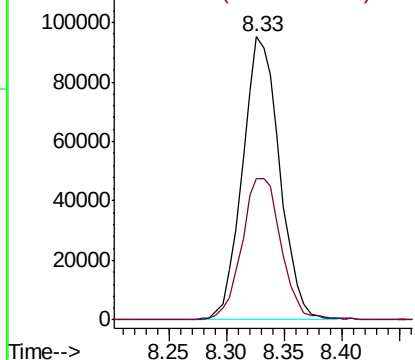


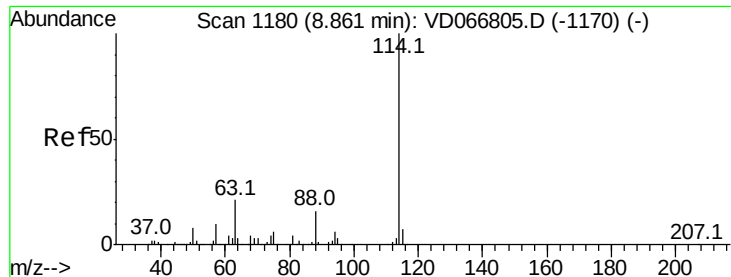
#33
1,2-Dichloroethane-d4
Concen: 45.389 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066970.D
Acq: 30 Sep 2020 13:35

Tgt Ion: 65 Resp: 213176
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

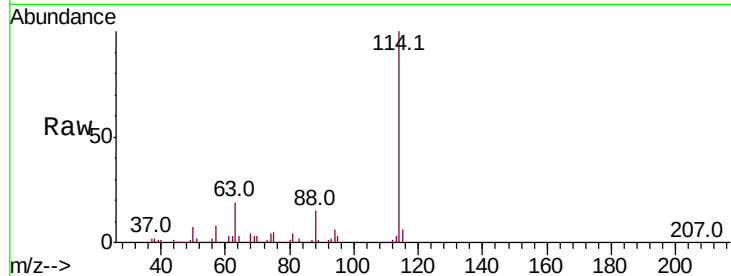




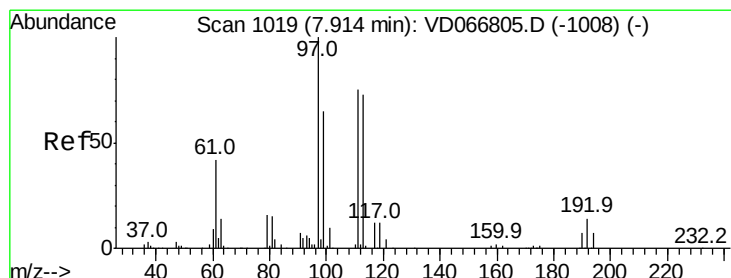
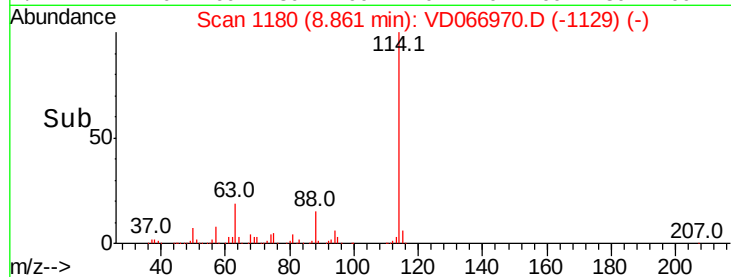
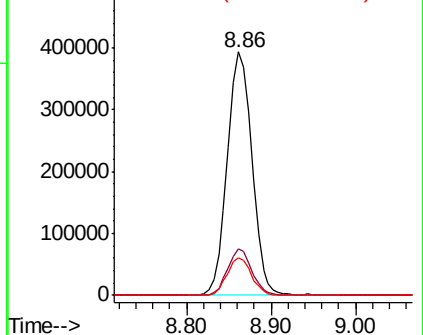
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066970.D
 Acq: 30 Sep 2020 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 B-10(4-5)

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	42.6
88	15.5	0.0	32.6

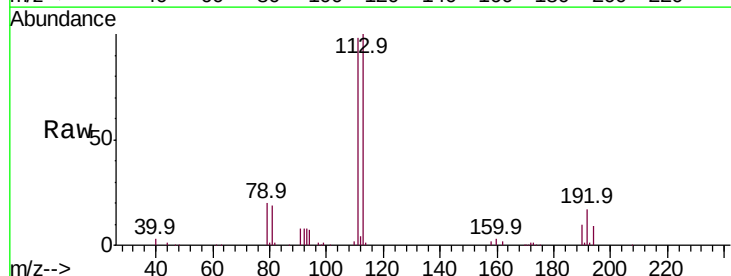


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

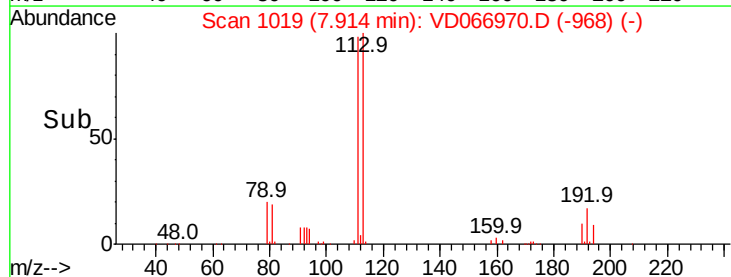
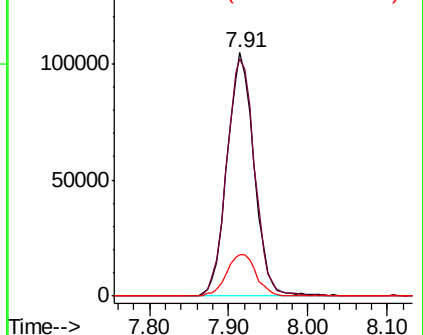


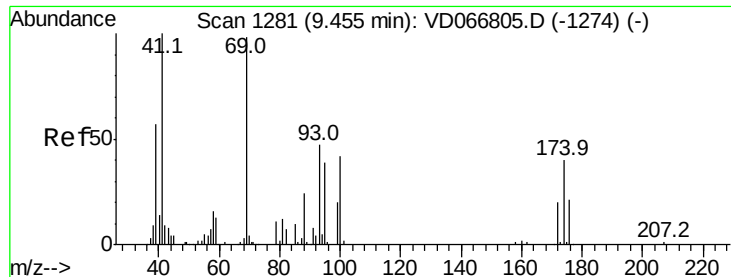
#35
 Dibromofluoromethane
 Concen: 48.612 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066970.D
 Acq: 30 Sep 2020 13:35

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.8	122.8
192	18.6	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: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD066970.D

Acq: 30 Sep 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

B-10(4-5)

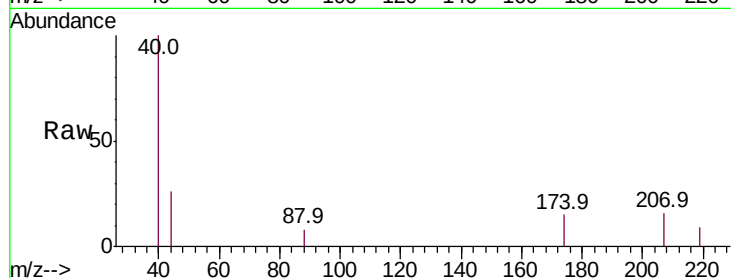
Tot Ion: 88 Resp: 56

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

9.47

150

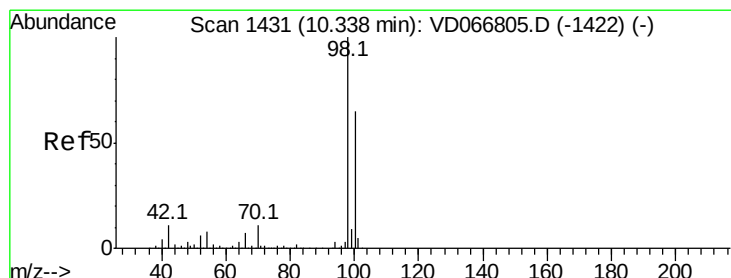
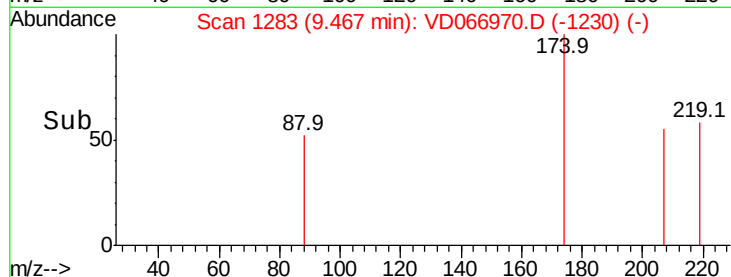
100

50

0

9.45 9.46 9.47 9.48

Time-->



#50

Toluene-d8

Concen: 54.988 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066970.D

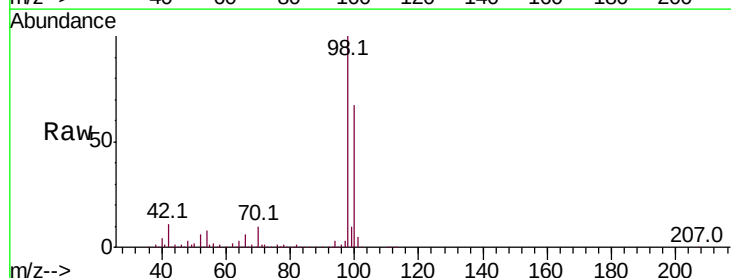
Acq: 30 Sep 2020 13:35

Tgt Ion: 98 Resp: 949903

Ion Ratio Lower Upper

98 100

100 66.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

600000

500000

400000

300000

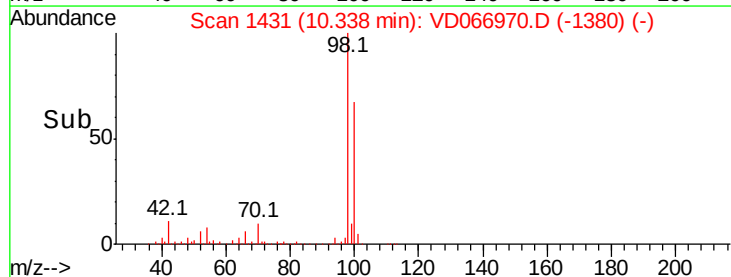
200000

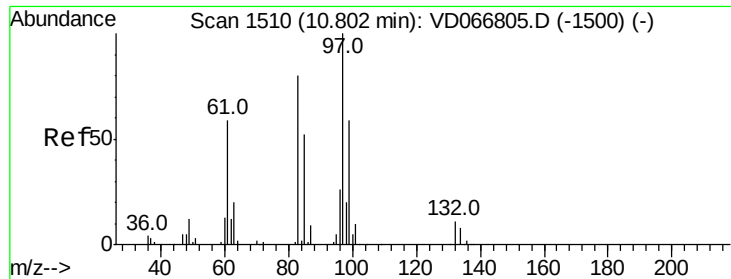
100000

0

10.20 10.30 10.40 10.50

Time-->





#55

1,1,2-Trichloroethane

Concen: 1.219 ug/l

RT: 10.77 min Scan# 1504

Delta R.T. -0.04 min

Lab File: VD066970.D

Acq: 30 Sep 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

B-10(4-5)

Tot Ion: 97 Resp: 5048

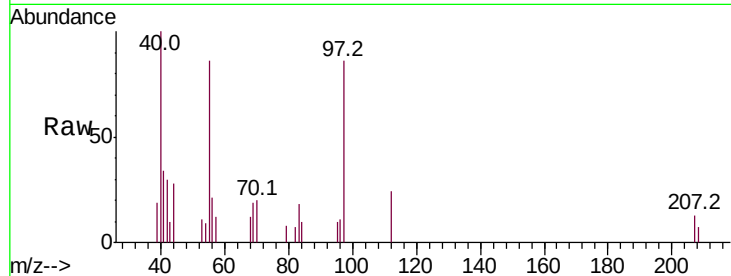
Ion Ratio Lower Upper

97 100

83 20.6 64.2 96.2#

85 0.0 41.9 62.9#

99 0.0 47.5 71.3#

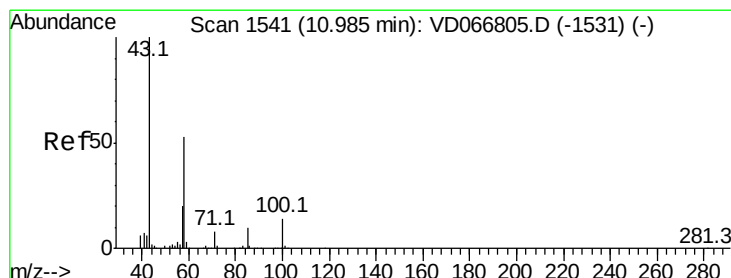
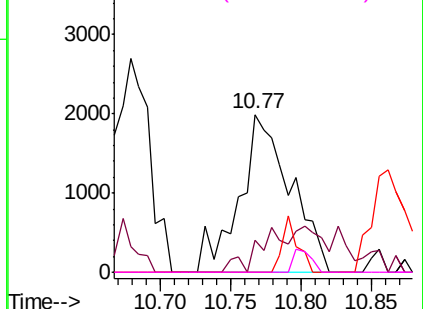
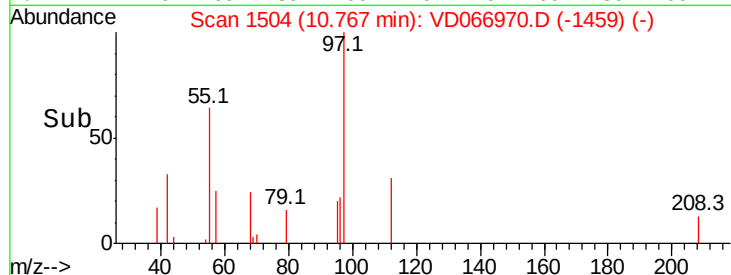


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#59

2-Hexanone

Concen: 2.667 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.04 min

Lab File: VD066970.D

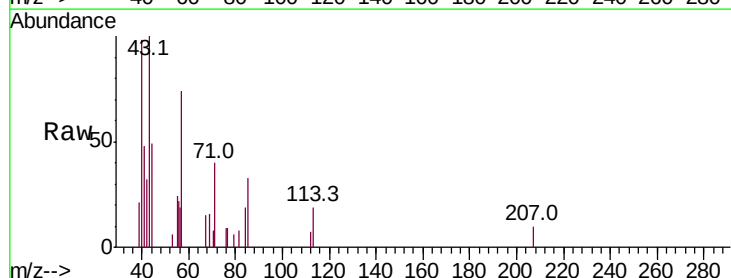
Acq: 30 Sep 2020 13:35

Tgt Ion: 43 Resp: 5021

Ion Ratio Lower Upper

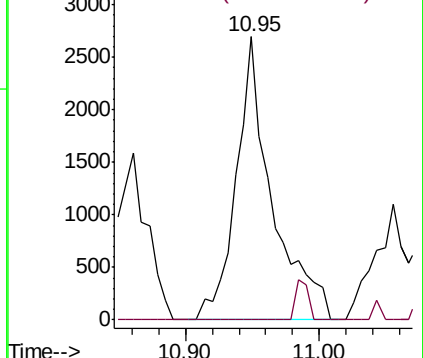
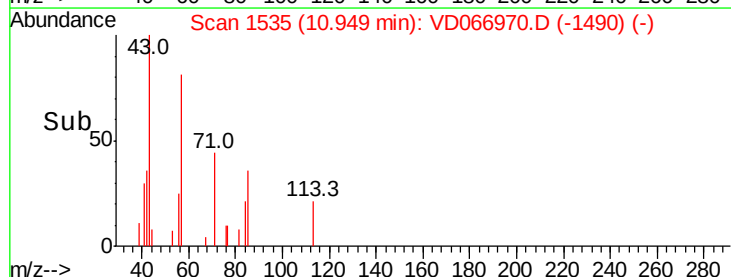
43 100

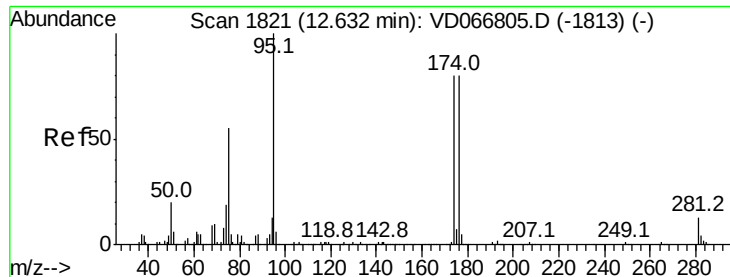
58 0.0 27.0 80.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

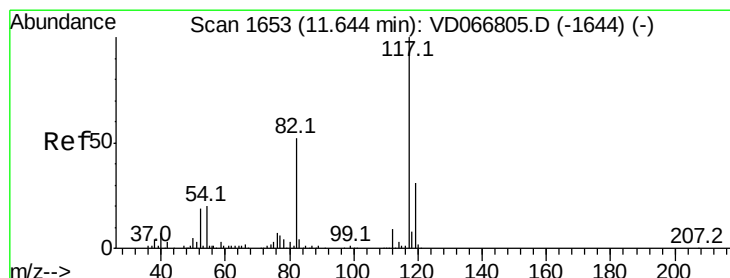
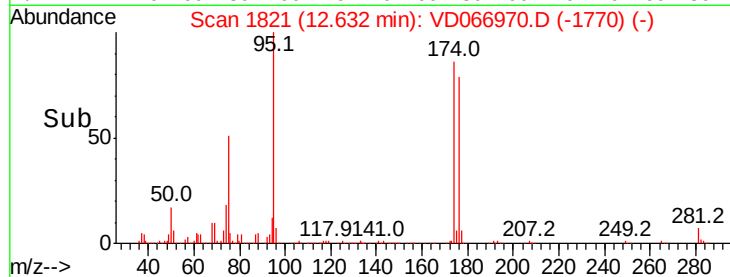
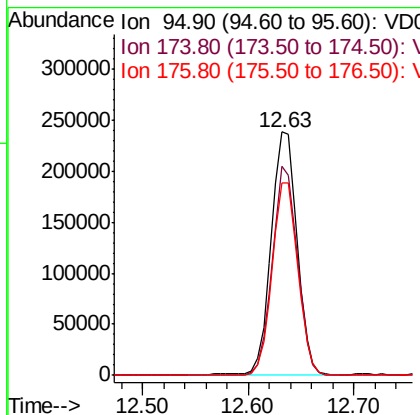
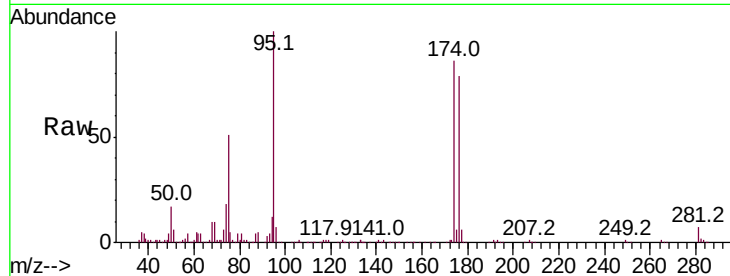




#62
4-Bromofluorobenzene
Concen: 68.186 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066970.D
Acq: 30 Sep 2020 13:35

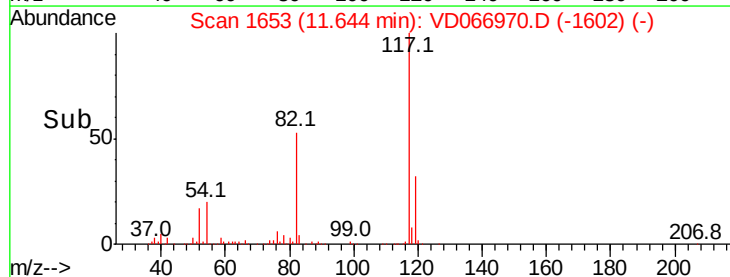
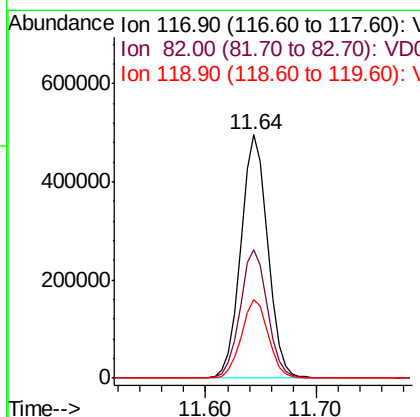
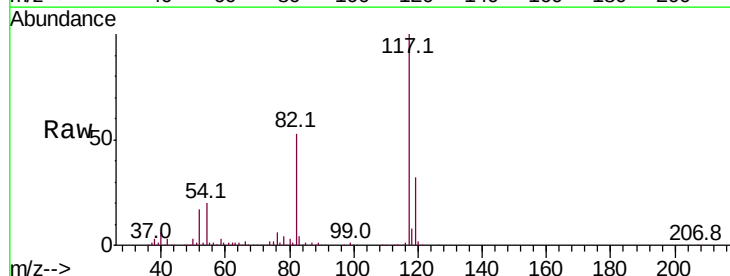
Instrument :
MSVOA_D
ClientSampleId :
B-10(4-5)

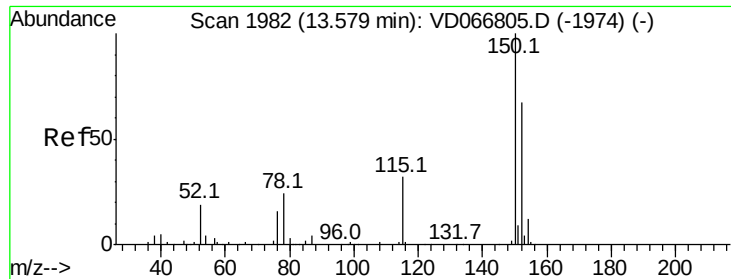
Tot Ion	95	Resp	403239
Ion Ratio	Lower	Upper	
95	100		
174	82.6	0.0	159.8
176	78.5	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066970.D
Acq: 30 Sep 2020 13:35

Tgt Ion	117	Resp	851372
Ion Ratio	Lower	Upper	
117	100		
82	52.8	41.8	62.6
119	32.1	24.6	37.0



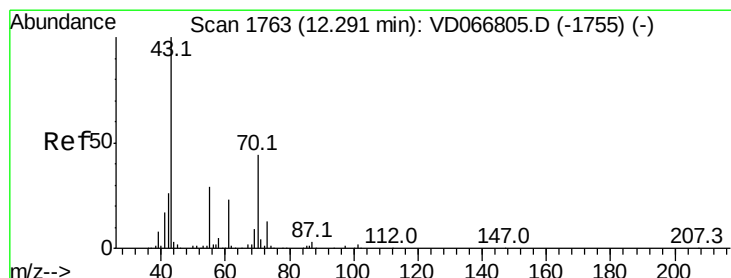
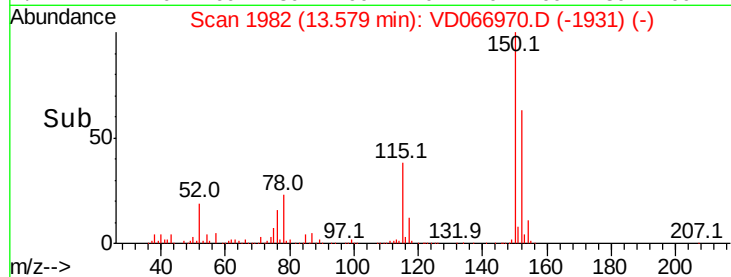
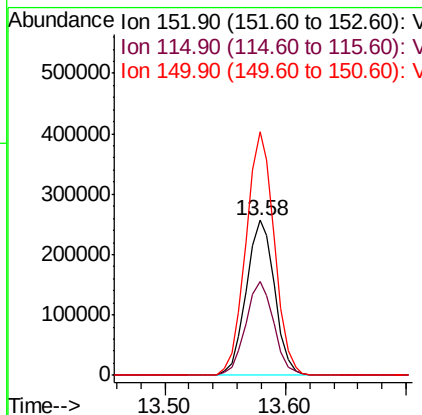
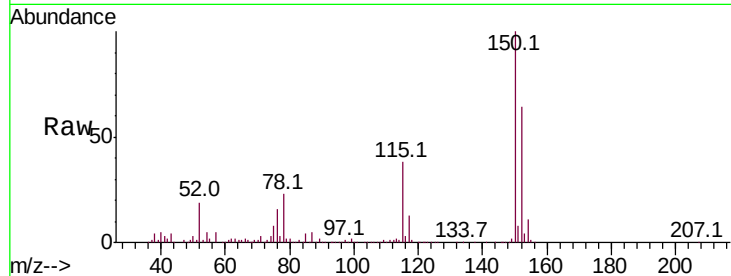


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066970.D
Acq: 30 Sep 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
B-10(4-5)

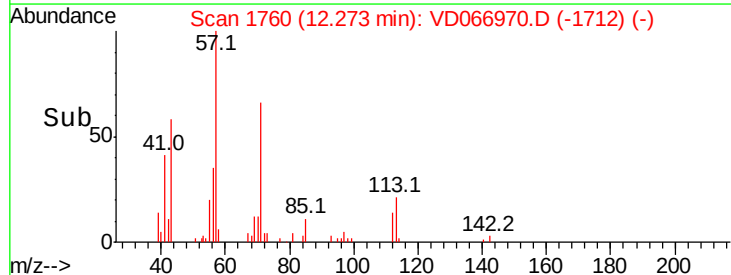
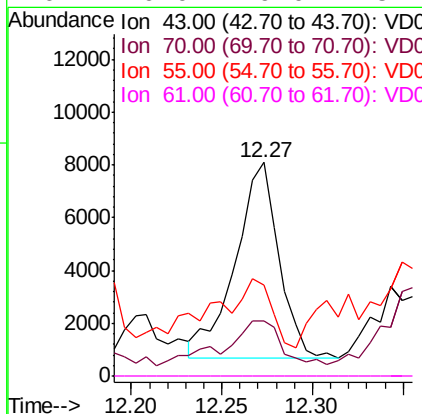
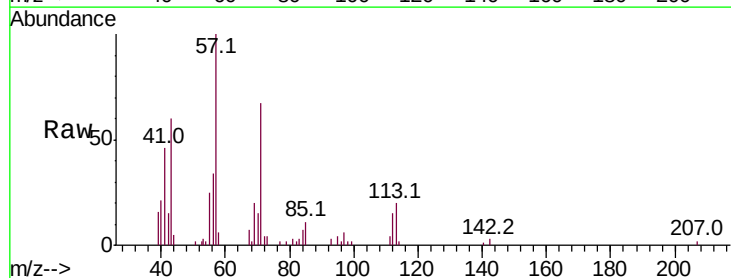
Tot Ion:152 Resp: 421037
Ion Ratio Lower Upper
152 100
115 60.0 30.3 91.0
150 156.4 0.0 346.2

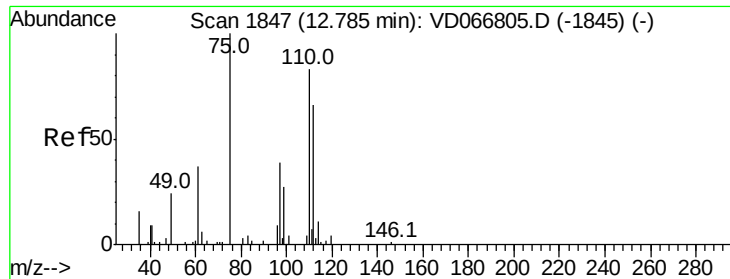


#74

N-aryl acetate
Concen: 2.081 ug/l
RT: 12.27 min Scan# 1760
Delta R.T. -0.02 min
Lab File: VD066970.D
Acq: 30 Sep 2020 13:35

Tgt Ion: 43 Resp: 12363
Ion Ratio Lower Upper
43 100
70 31.0 36.1 54.1#
55 51.9 21.8 32.8#
61 0.0 19.0 28.4#





#76

1,2,3-Trichloropropane

Concen: 58.335 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066970.D

Acq: 30 Sep 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

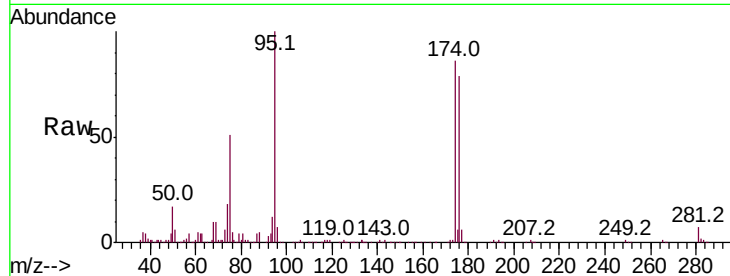
B-10(4-5)

Tot Ion: 75 Resp: 203544

Ion Ratio Lower Upper

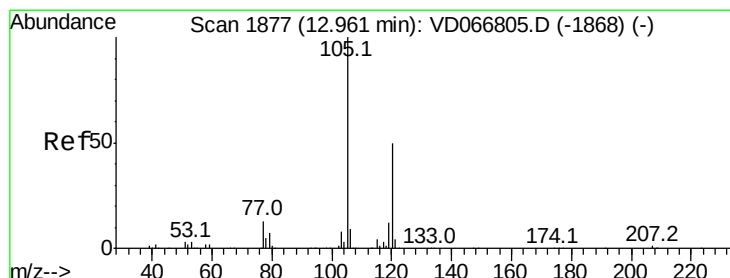
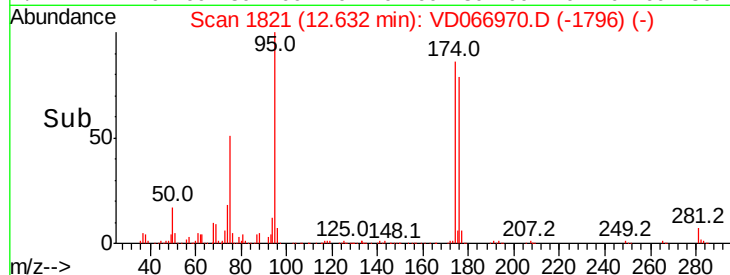
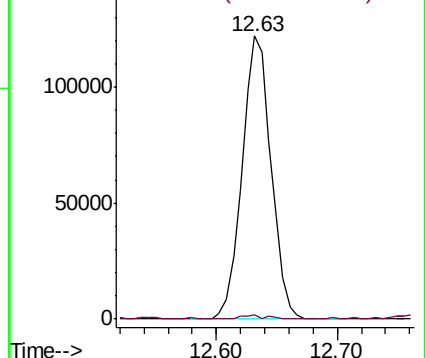
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#80

1,3,5-Trimethylbenzene

Concen: 1.672 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066970.D

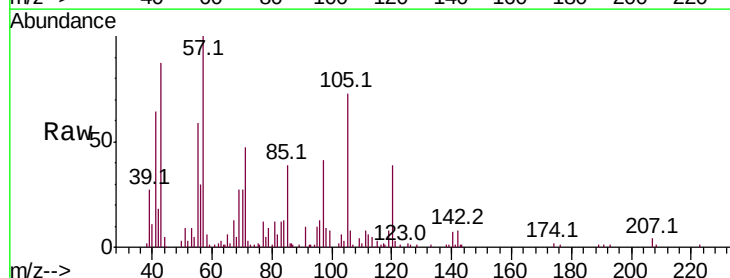
Acq: 30 Sep 2020 13:35

Tgt Ion: 105 Resp: 43155

Ion Ratio Lower Upper

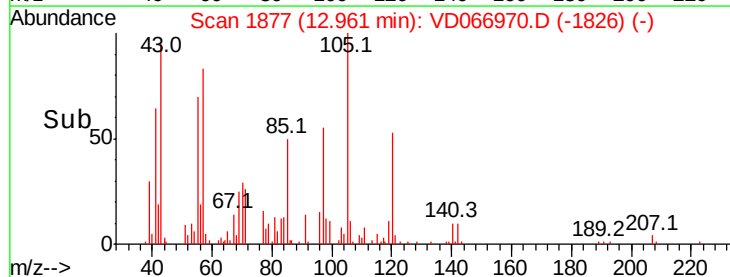
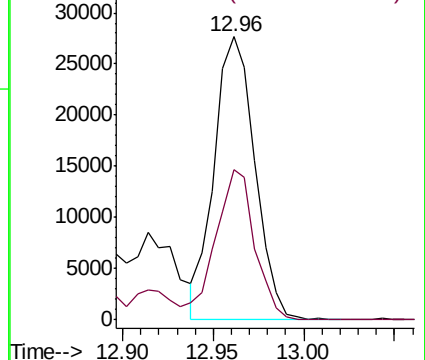
105 100

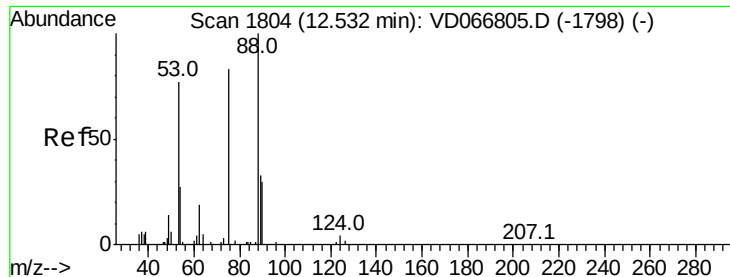
120 51.3 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 145.949 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066970.D

Acq: 30 Sep 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

B-10(4-5)

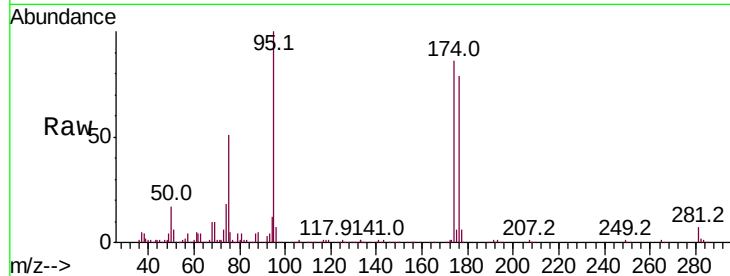
Tot Ion: 75 Resp: 203544

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

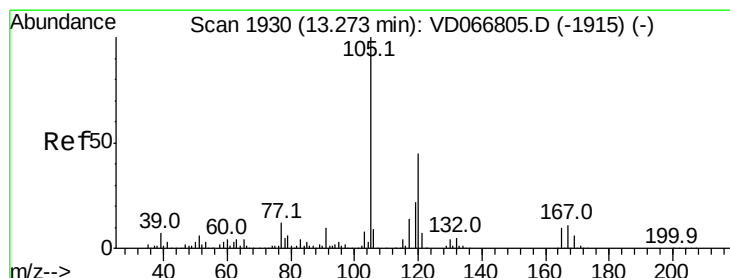
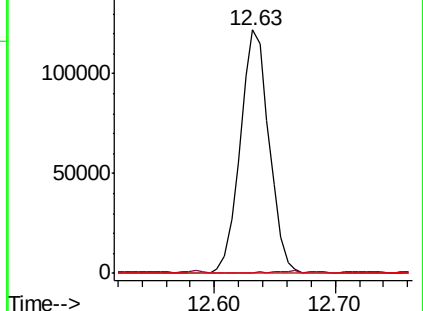
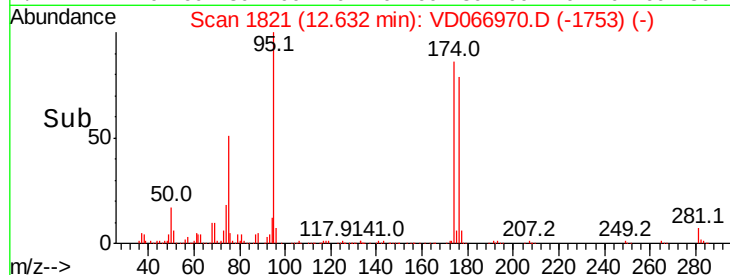
89 0.1 38.1 57.1#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.406 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD066970.D

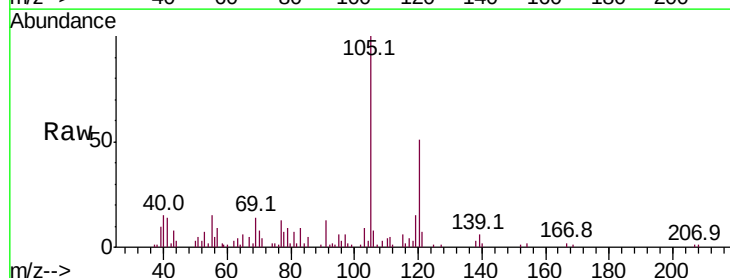
Acq: 30 Sep 2020 13:35

Tgt Ion:105 Resp: 35976

Ion Ratio Lower Upper

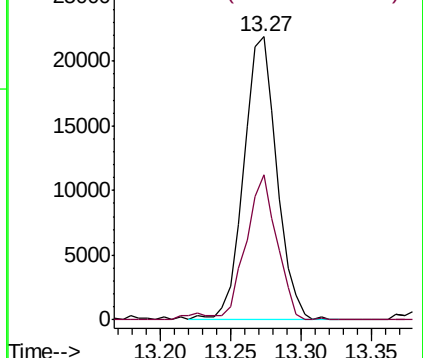
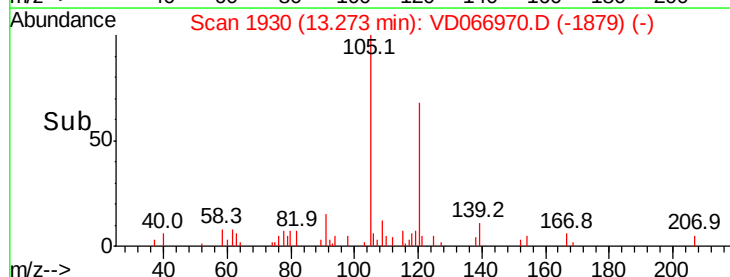
105 100

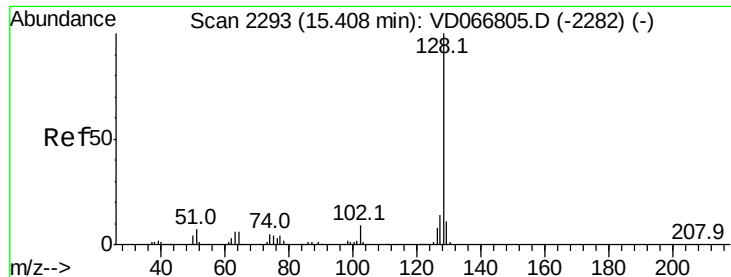
120 47.6 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

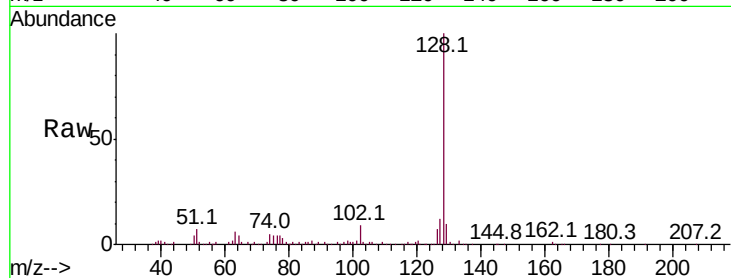




#95
Naphthalene
Concen: 24.107 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066970.D
Acq: 30 Sep 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
B-10(4-5)

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	11.5	8.9	13.3



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

