

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066714.D
 Acq On : 16 Sep 2020 12:43
 Operator : VA/SY
 Sample : VD0916SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBL01

Quant Time: Sep 17 00:49:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	419641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	746943	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	717173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	311083	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	257807	57.58	ug/l	0.00
Spiked Amount			Recovery	=	115.16%	
35) Dibromofluoromethane	7.91	113	250494	54.70	ug/l	0.00
Spiked Amount			Recovery	=	109.40%	
50) Toluene-d8	10.34	98	918519	56.30	ug/l	0.00
Spiked Amount			Recovery	=	112.60%	
62) 4-Bromofluorobenzene	12.63	95	316964	56.28	ug/l	0.00
Spiked Amount			Recovery	=	112.56%	

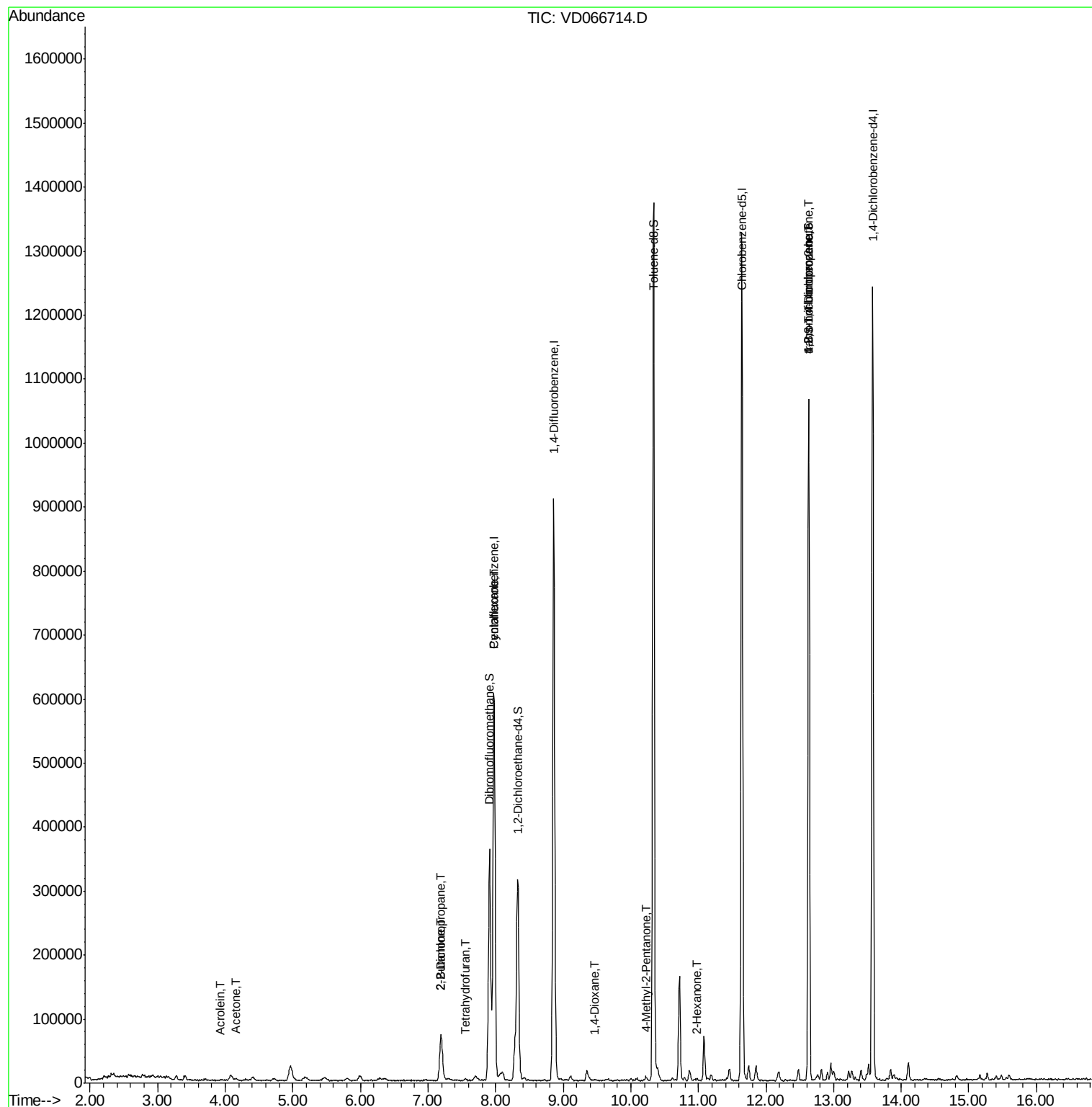
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	2428	Below Cal		94
11) Tert butyl alcohol	5.26	59	168	Below Cal	#	76
13) Acrolein	3.93	56	351	1.112	ug/l #	64
16) Acetone	4.16	43	4213	4.621	ug/l	97
18) Methyl Acetate	4.70	43	218	Below Cal	#	52
20) Methylene Chloride	4.97	84	17975	Below Cal		85
25) 2-Butanone	7.19	43	3412	2.874	ug/l #	86
26) 2,2-Dichloropropane	7.19	77	9085	1.130	ug/l #	58
29) Tetrahydrofuran	7.56	42	1269	1.747	ug/l #	72
31) Cyclohexane	7.98	56	13940	1.763	ug/l #	35
49) 1,4-Dioxane	9.46	88	68	2.249	ug/l #	25
51) 4-Methyl-2-Pentanone	10.23	43	4411	1.566	ug/l	100
59) 2-Hexanone	10.98	43	2444	1.291	ug/l	72
76) 1,2,3-Trichloropropane	12.63	75	177594	66.696	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	177594	143.941	ug/l #	8

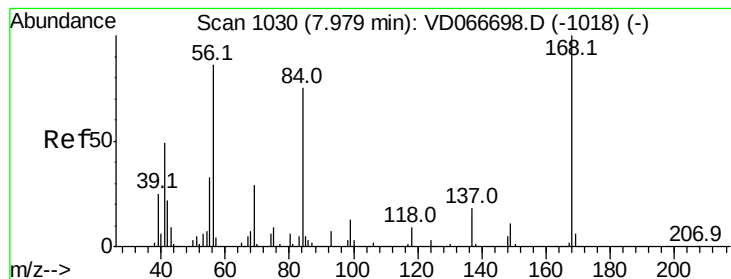
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091620\
Data File : VD066714.D
Acq On : 16 Sep 2020 12:43
Operator : VA/SY
Sample : VD0916SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBL01

Quant Time: Sep 17 00:49:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066714.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

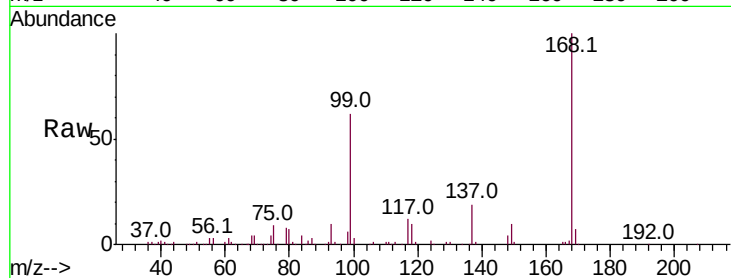
VD0916SBL01

Tot Ion:168 Resp: 419641

Ion Ratio Lower Upper

168 100

99 62.2 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

200000

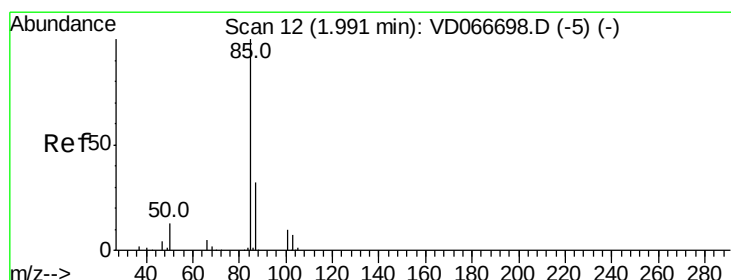
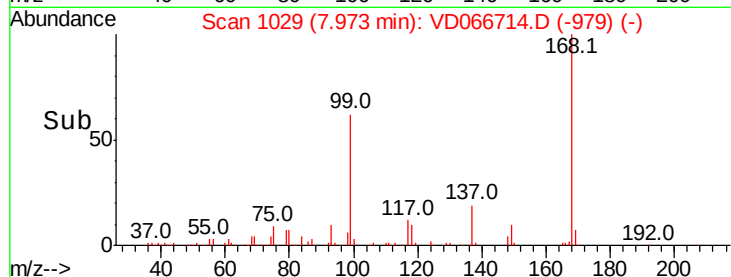
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066714.D

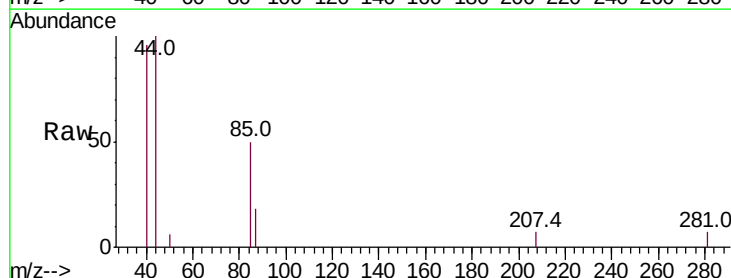
Acq: 16 Sep 2020 12:43

Tgt Ion: 85 Resp: 2428

Ion Ratio Lower Upper

85 100

87 35.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

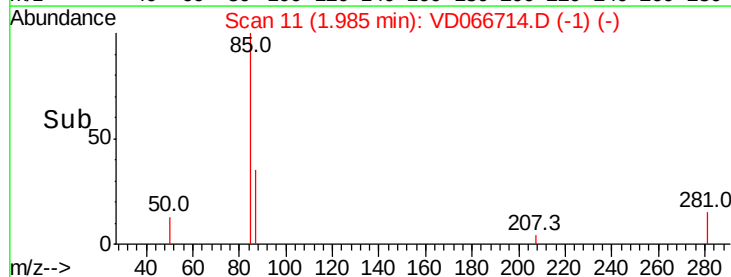
1500

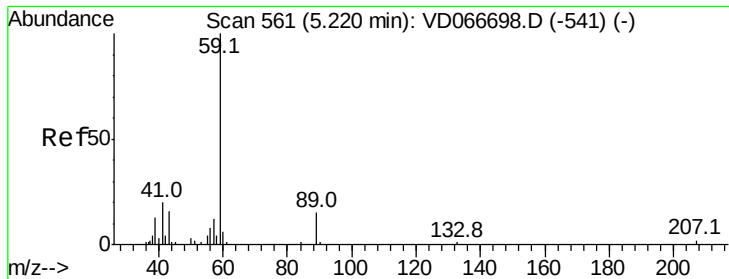
1000

500

0

Time-->



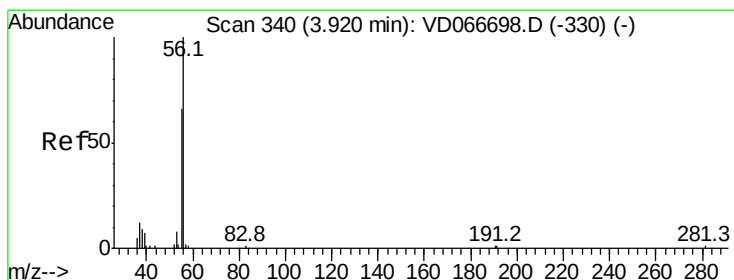
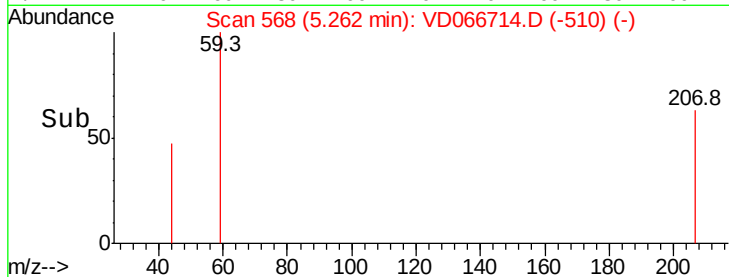
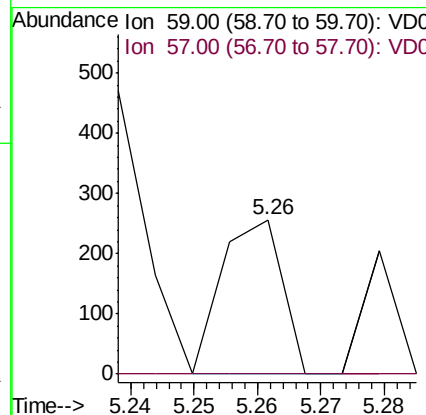
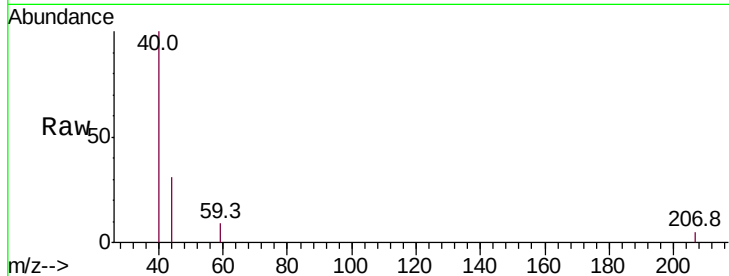


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.26 min Scan# 568
 Delta R.T. 0.04 min
 Lab File: VD066714.D
 Acq: 16 Sep 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBL01

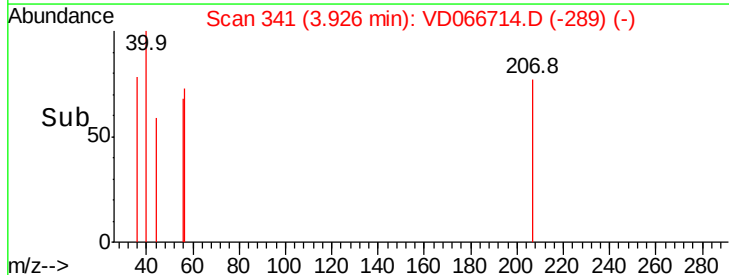
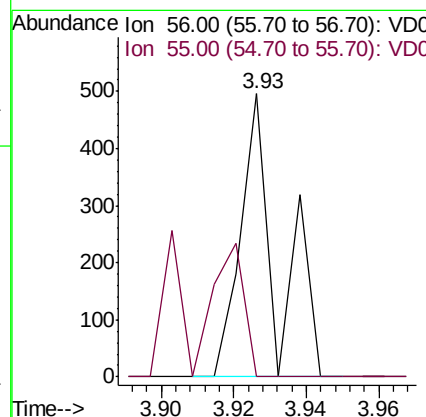
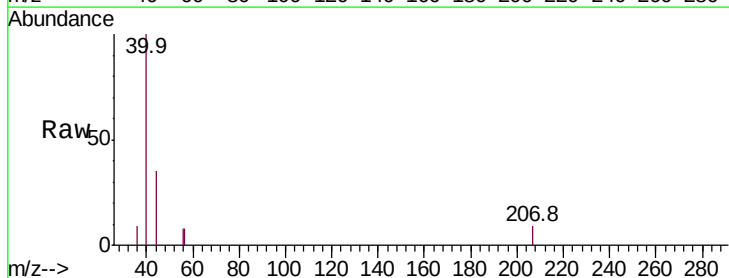
Tot Ion: 59 Resp: 168
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

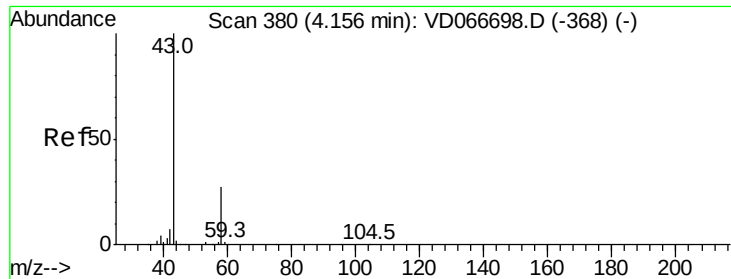


#13

Acrolein
 Concen: 1.112 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: VD066714.D
 Acq: 16 Sep 2020 12:43

Tgt Ion: 56 Resp: 351
 Ion Ratio Lower Upper
 56 100
 55 39.6 54.7 82.1#





#16

Acetone

Concen: 4.621 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066714.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

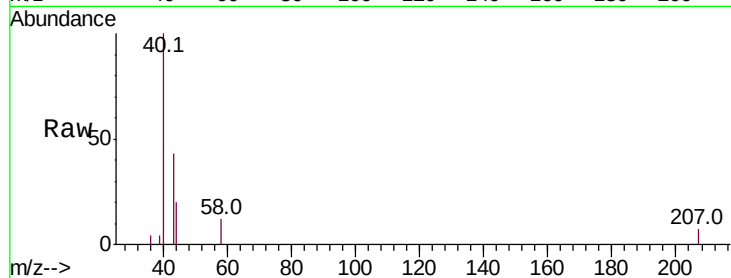
VD0916SBL01

Tot Ion: 43 Resp: 4213

Ion Ratio Lower Upper

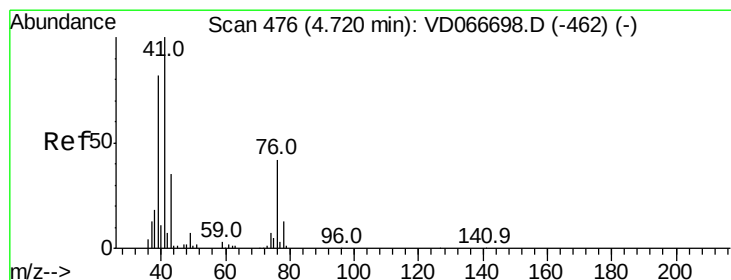
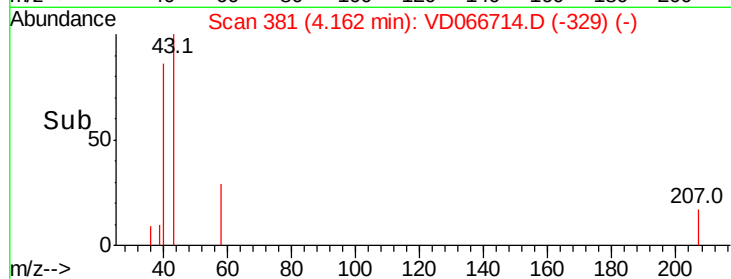
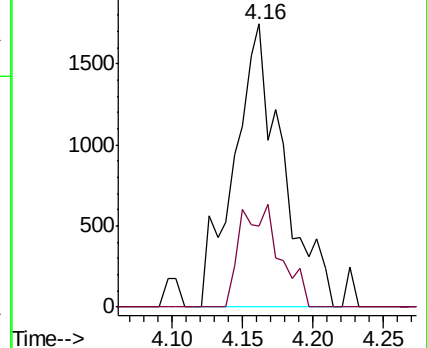
43 100

58 28.9 21.9 32.9



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: 4.70 min Scan# 473

Delta R.T. -0.02 min

Lab File: VD066714.D

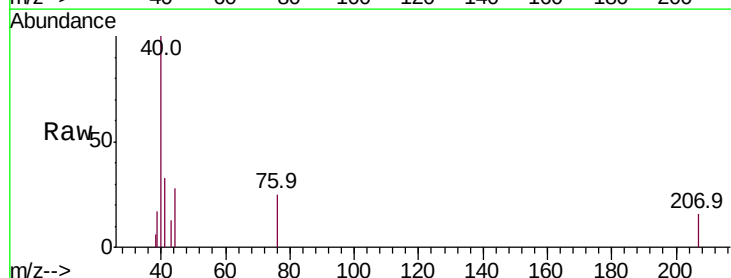
Acq: 16 Sep 2020 12:43

Tgt Ion: 43 Resp: 218

Ion Ratio Lower Upper

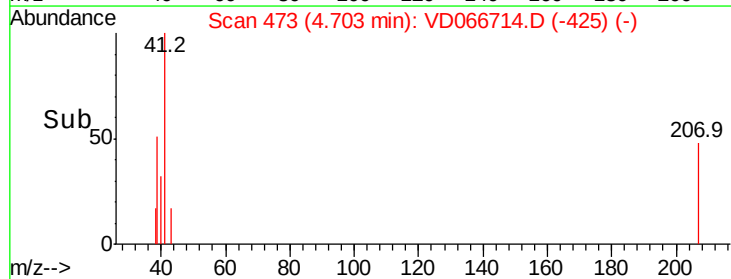
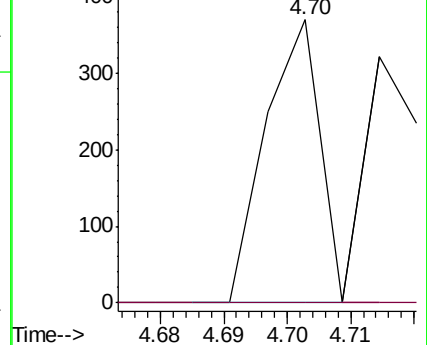
43 100

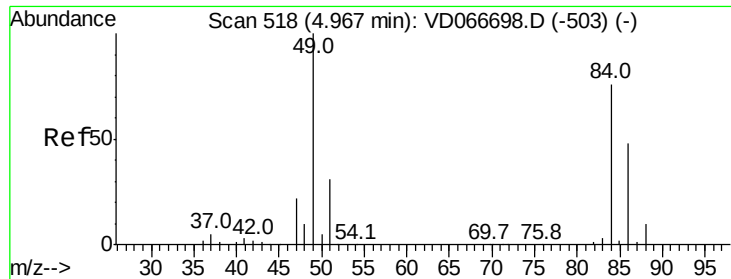
74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

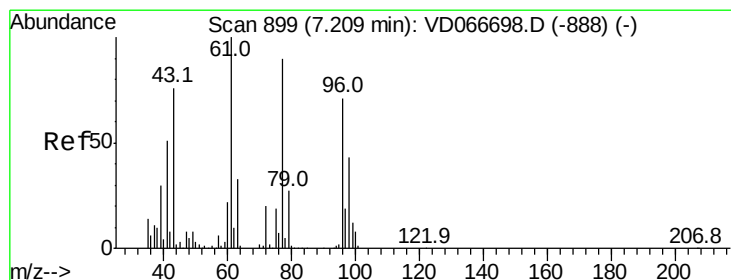
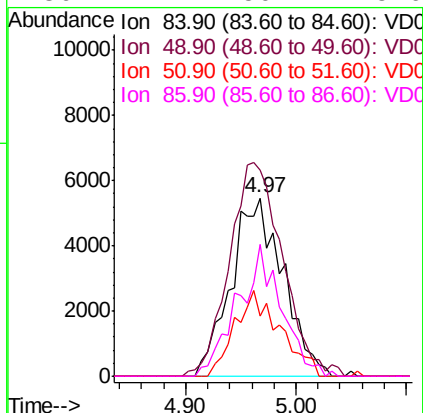
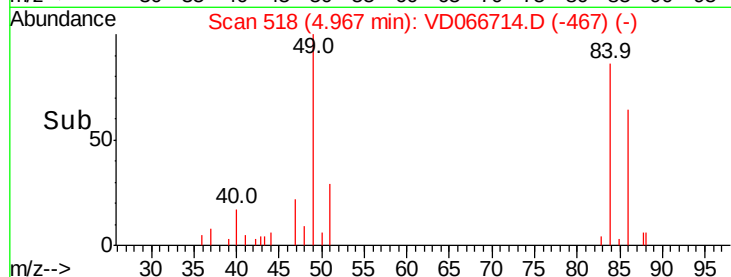
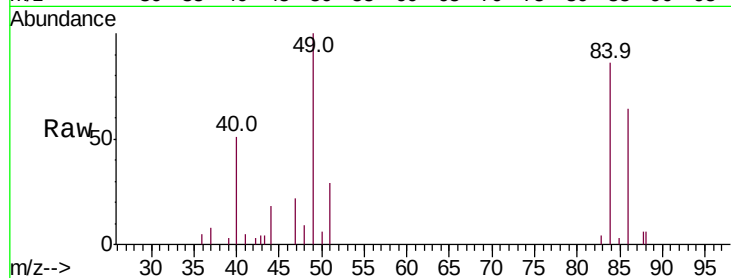




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066714.D
Acq: 16 Sep 2020 12:43

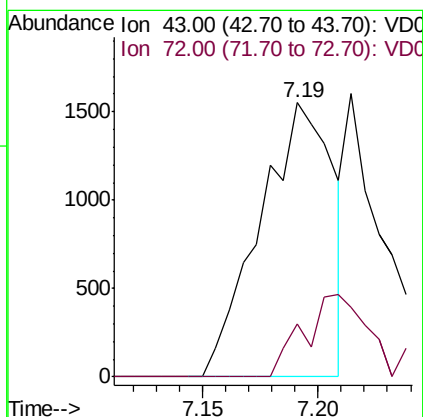
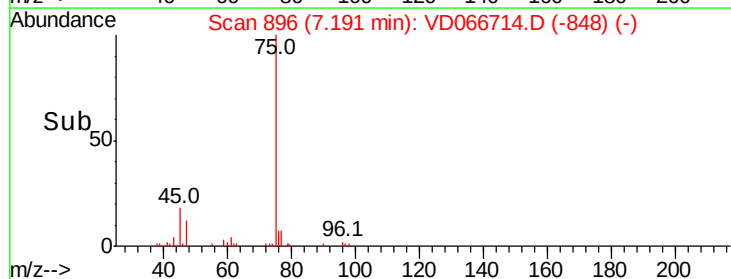
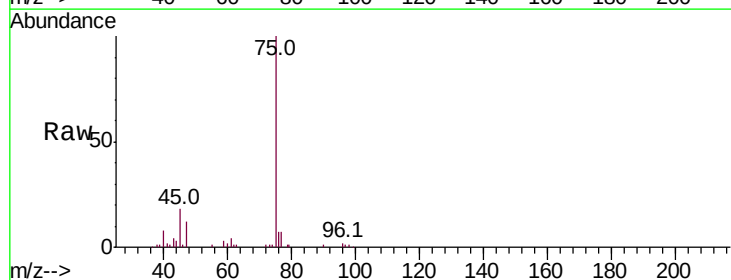
Instrument :
MSVOA_D
ClientSampleId :
VD0916SBL01

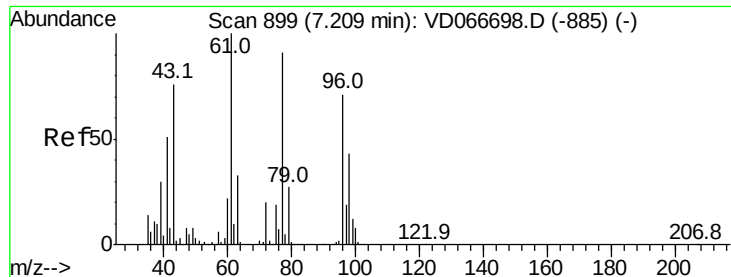
Tot Ion:	84	Resp:	17975
Ion	Ratio	Lower	Upper
84	100		
49	112.9	105.0	157.6
51	33.8	32.2	48.4
86	74.4	50.4	75.6



#25
2-Butanone
Concen: 2.874 ug/l
RT: 7.19 min Scan# 896
Delta R.T. -0.02 min
Lab File: VD066714.D
Acq: 16 Sep 2020 12:43

Tgt Ion:	43	Resp:	3412
Ion	Ratio	Lower	Upper
43	100		
72	19.3	21.0	31.4#

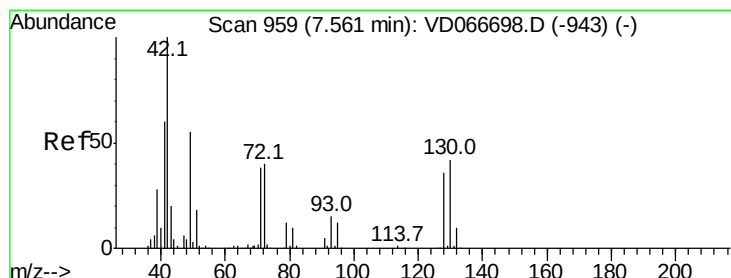
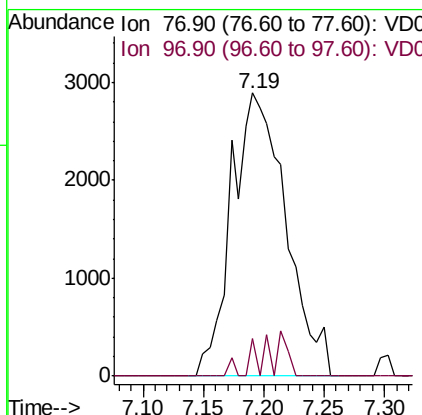
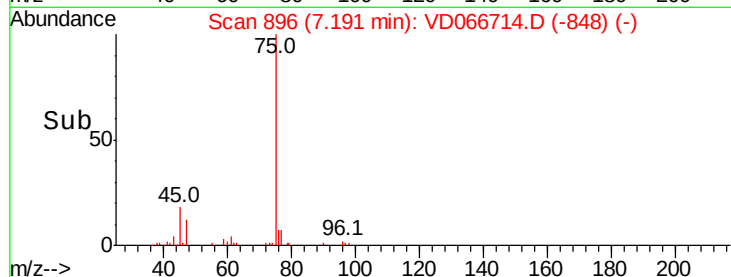
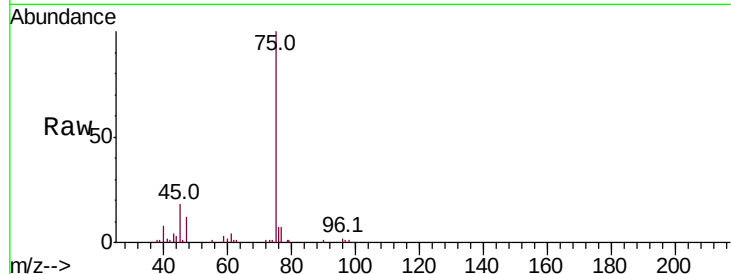




#26
 2,2-Dichloropropane
 Concen: 1.130 ug/l
 RT: 7.19 min Scan# 896
 Delta R.T. -0.02 min
 Lab File: VD066714.D
 Acq: 16 Sep 2020 12:43

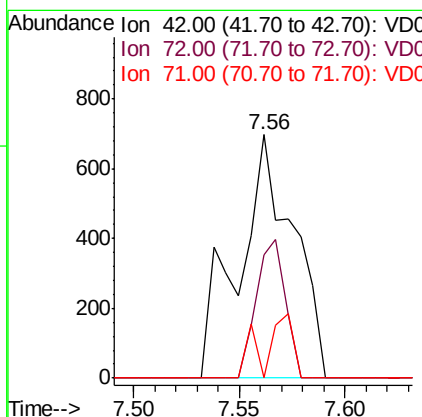
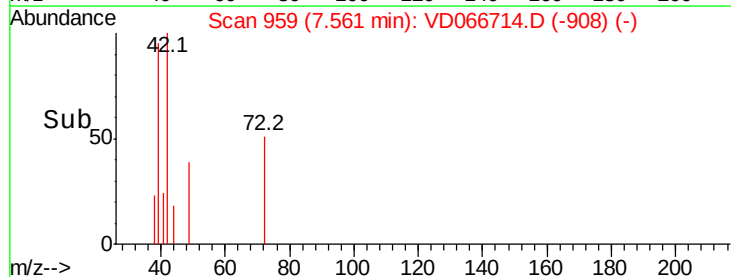
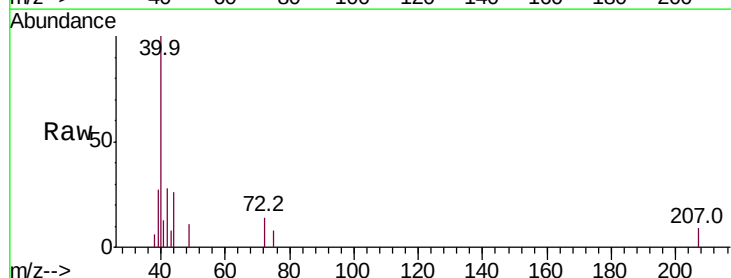
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBL01

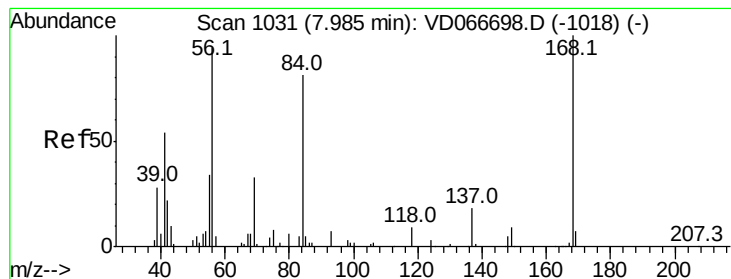
Tot Ion: 77 Resp: 9085
 Ion Ratio Lower Upper
 77 100
 97 1.5 10.6 31.8#



#29
 Tetrahydrofuran
 Concen: 1.747 ug/l
 RT: 7.56 min Scan# 959
 Delta R.T. -0.00 min
 Lab File: VD066714.D
 Acq: 16 Sep 2020 12:43

Tgt Ion: 42 Resp: 1269
 Ion Ratio Lower Upper
 42 100
 72 30.2 32.6 48.8#
 71 13.6 30.6 45.8#





#31

Cyclohexane

Concen: 1.763 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066714.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBL01

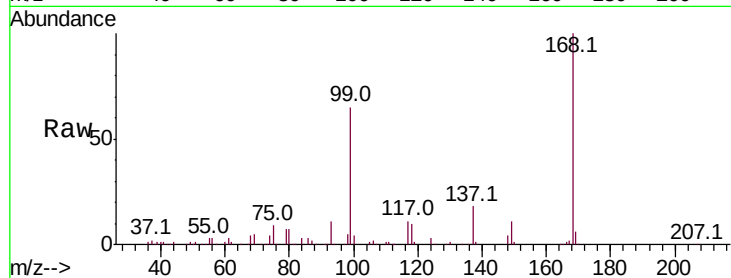
Tot Ion: 56 Resp: 13940

Ion Ratio Lower Upper

56 100

69 148.8 27.7 41.5#

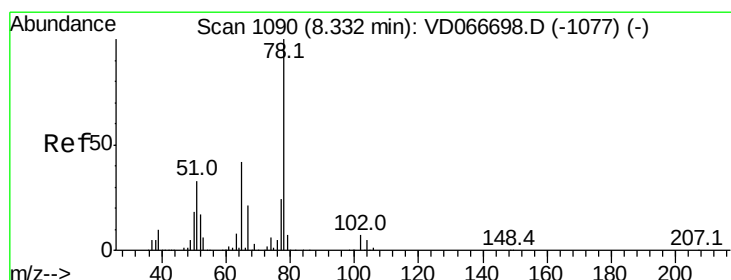
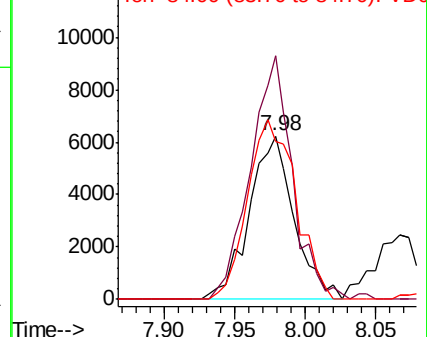
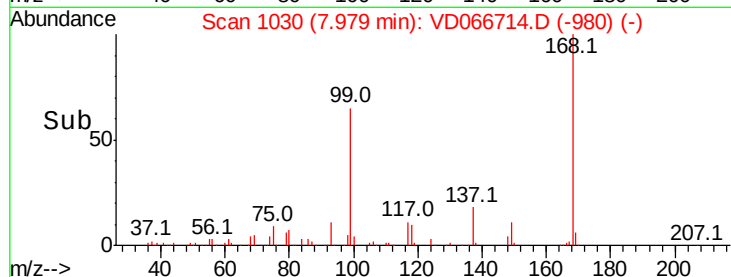
84 96.2 68.5 102.7



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: 57.581 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066714.D

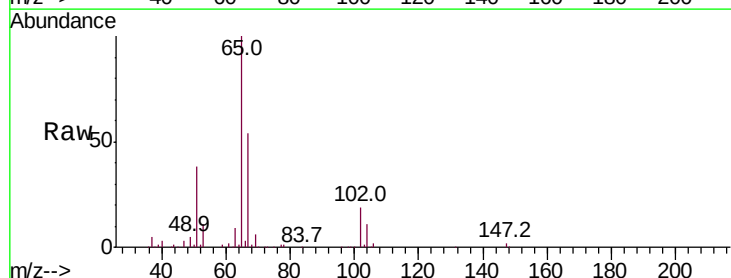
Acq: 16 Sep 2020 12:43

Tgt Ion: 65 Resp: 257807

Ion Ratio Lower Upper

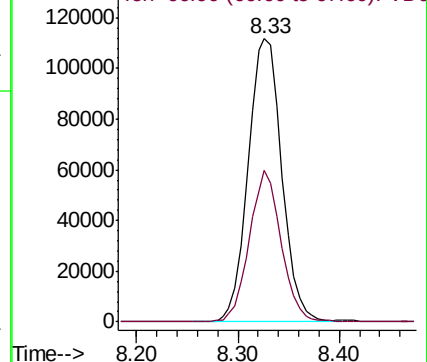
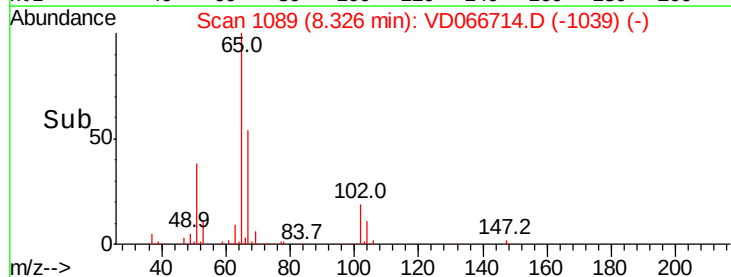
65 100

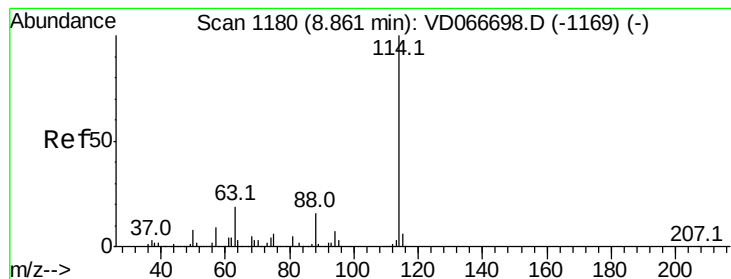
67 50.6 0.0 102.2



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: VD066714.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBL01

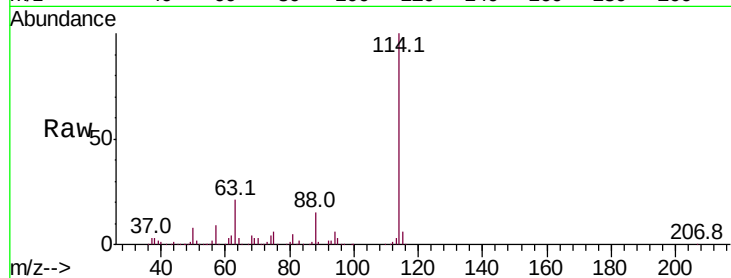
Tot Ion:114 Resp: 746943

Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.6

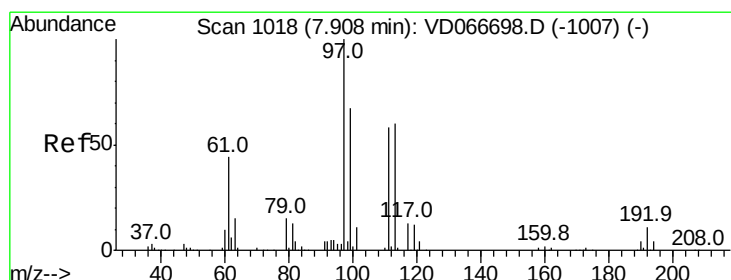
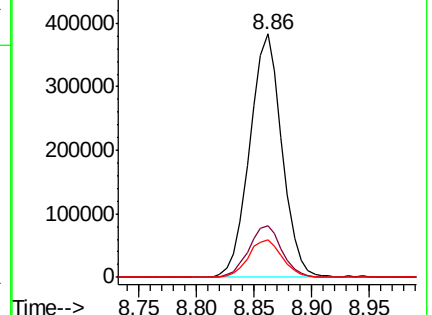
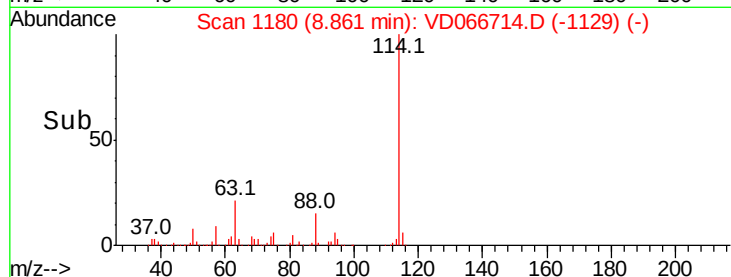
88 15.5 0.0 32.2



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: 54.699 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066714.D

Acq: 16 Sep 2020 12:43

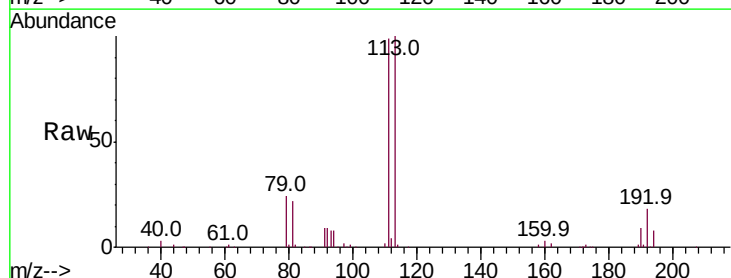
Tgt Ion:113 Resp: 250494

Ion Ratio Lower Upper

113 100

111 102.9 83.2 124.8

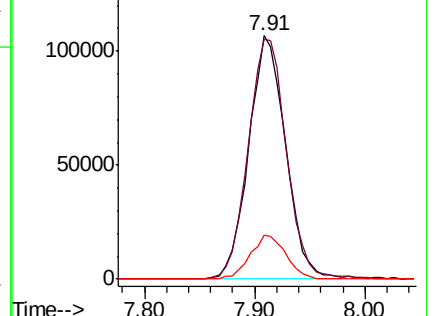
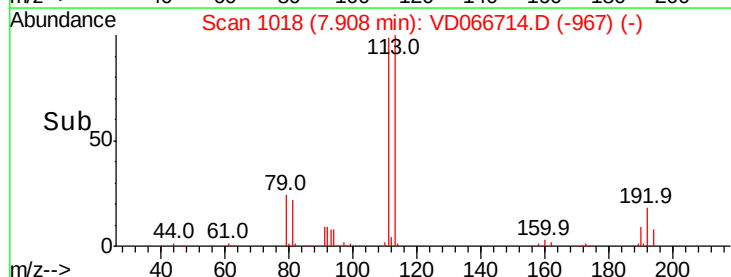
192 17.7 14.8 22.2

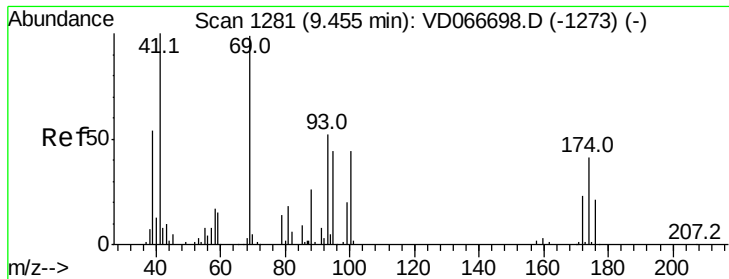


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

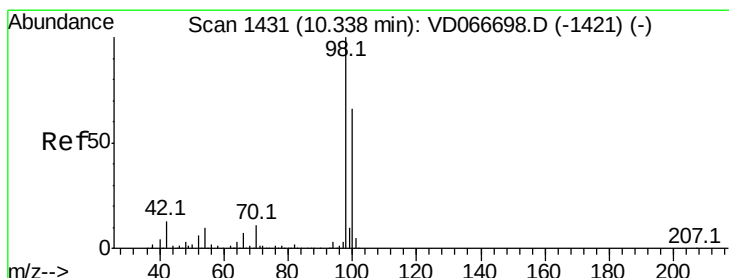
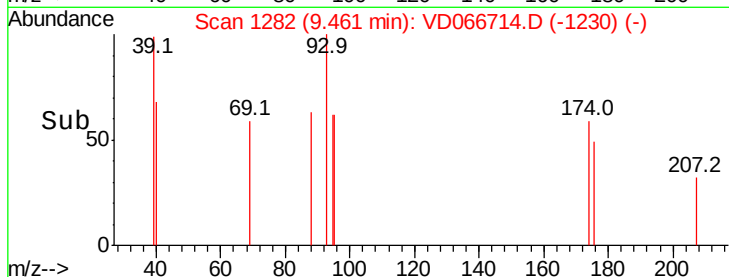
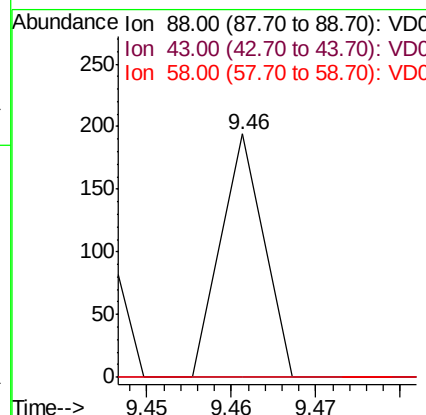
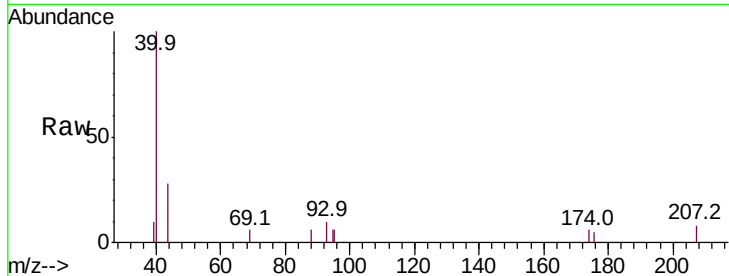




#49
1,4-Dioxane
Concen: 2.249 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066714.D
Acq: 16 Sep 2020 12:43

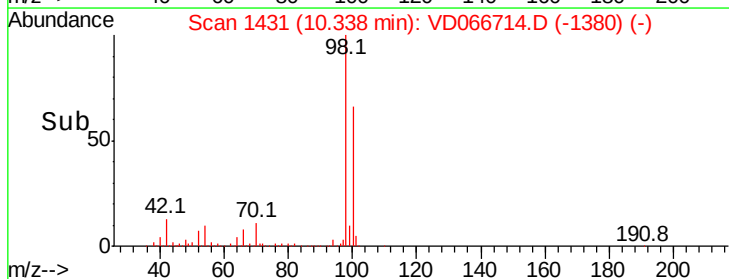
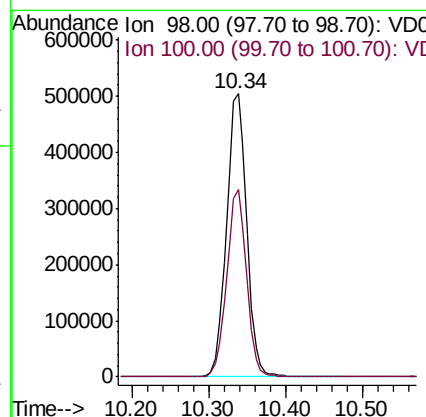
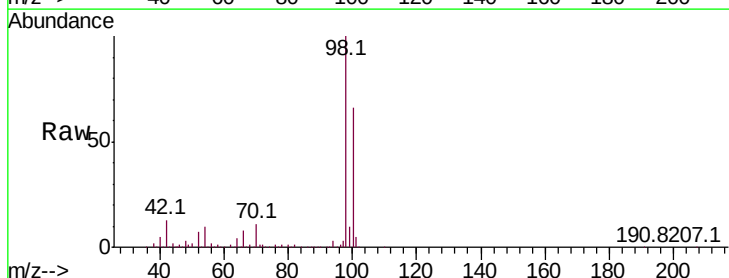
Instrument :
MSVOA_D
ClientSampleId :
VD0916SBL01

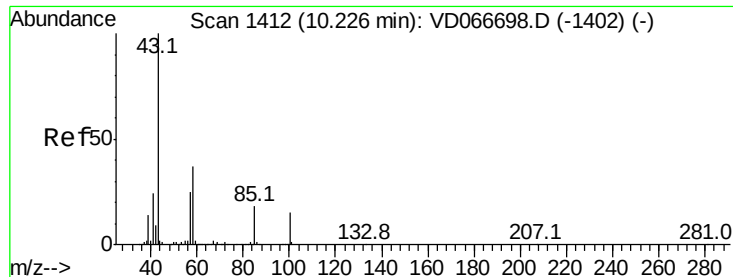
Tot Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 0.0 29.3 43.9#
58 0.0 51.4 77.2#



#50
Toluene-d8
Concen: 56.297 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066714.D
Acq: 16 Sep 2020 12:43

Tgt Ion: 98 Resp: 918519
Ion Ratio Lower Upper
98 100
100 64.9 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 1.566 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.01 min

Lab File: VD066714.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

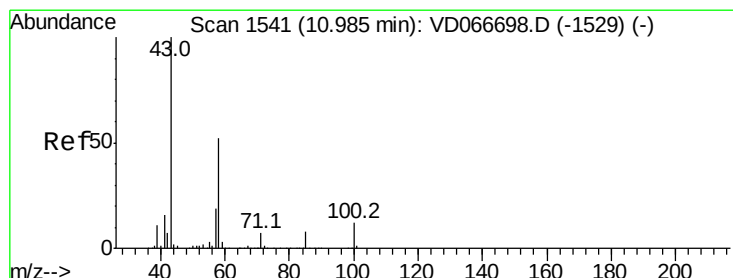
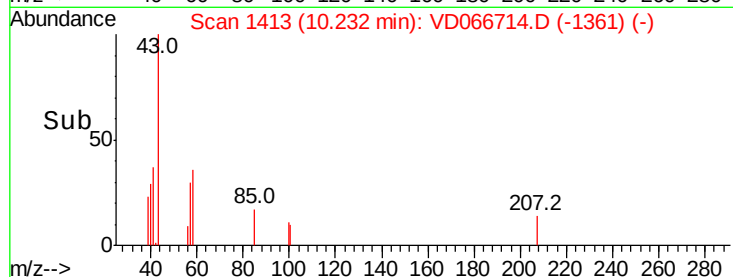
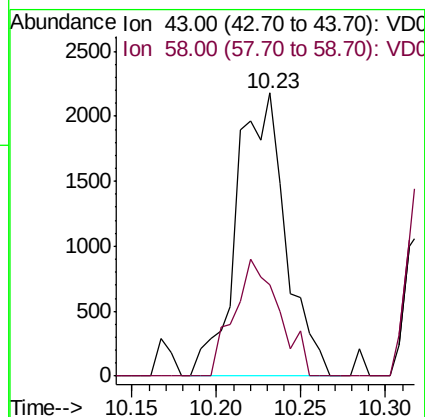
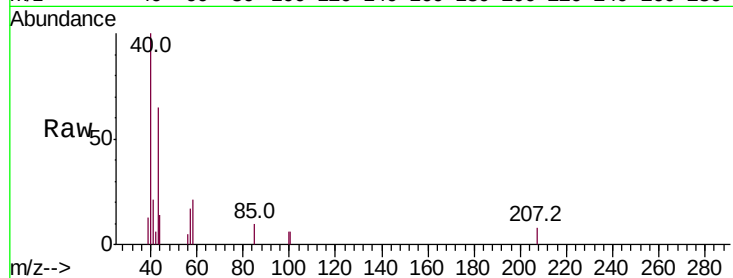
VD0916SBL01

Tot Ion: 43 Resp: 4411

Ion Ratio Lower Upper

43 100

58 38.1 30.4 45.6



#59

2-Hexanone

Concen: 1.291 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.00 min

Lab File: VD066714.D

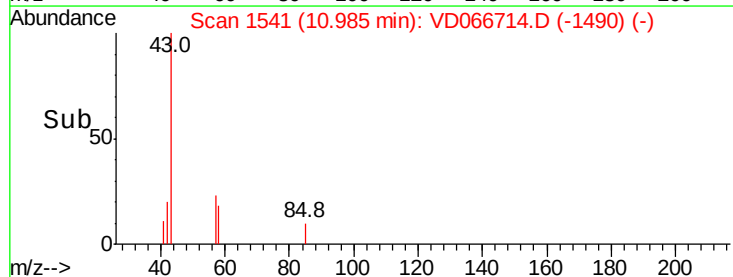
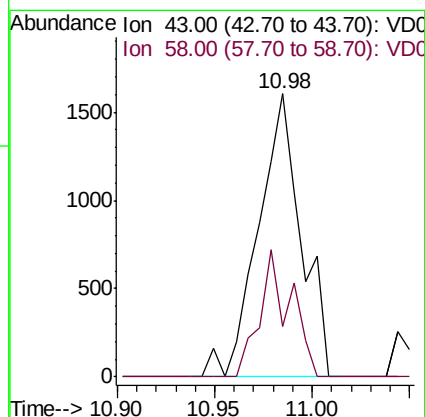
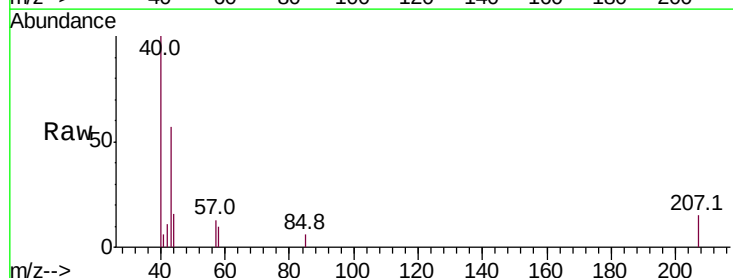
Acq: 16 Sep 2020 12:43

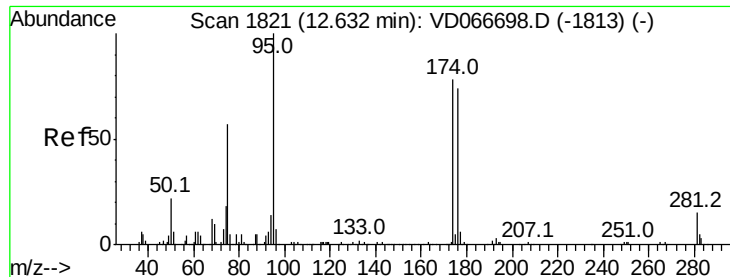
Tgt Ion: 43 Resp: 2444

Ion Ratio Lower Upper

43 100

58 32.6 26.2 78.5

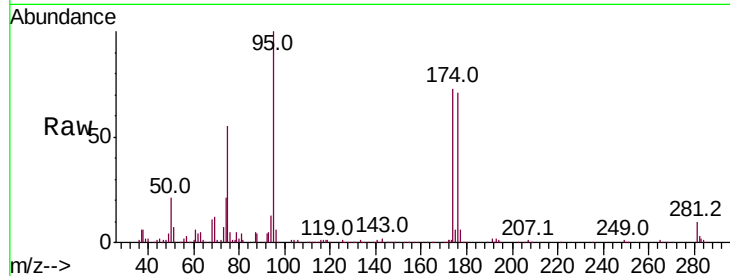




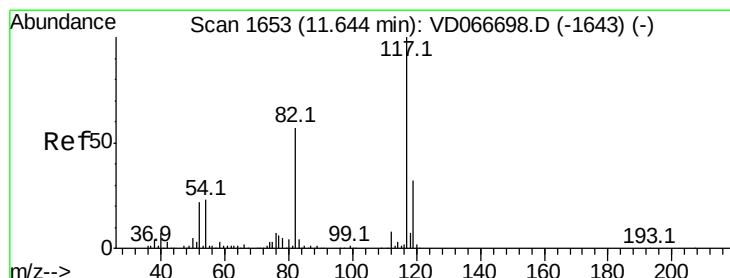
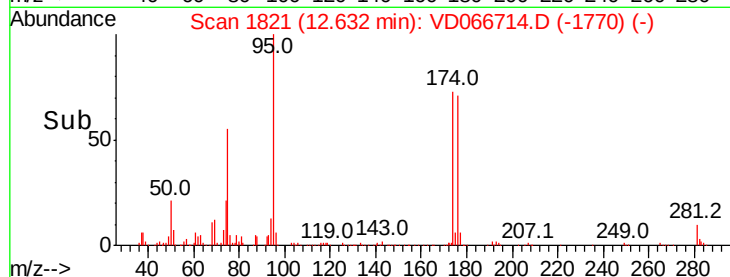
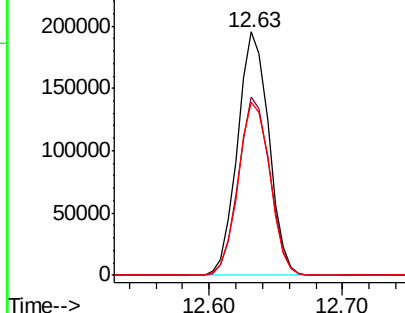
#62
4-Bromofluorobenzene
Concen: 56.280 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066714.D
Acq: 16 Sep 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBL01

Tot Ion: 95 Resp: 316964
Ion Ratio Lower Upper
95 100
174 73.4 0.0 156.6
176 72.2 0.0 150.2

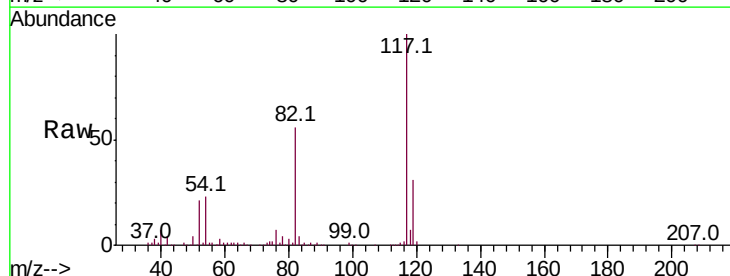


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

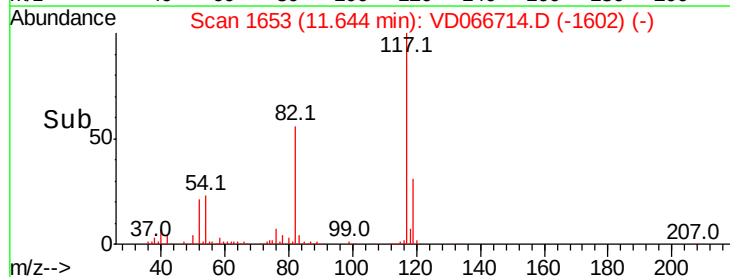
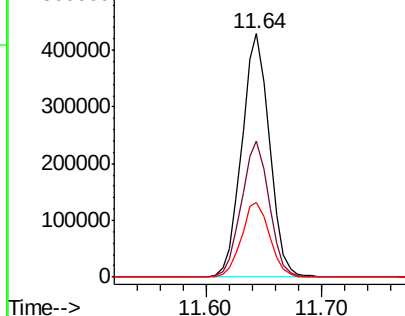


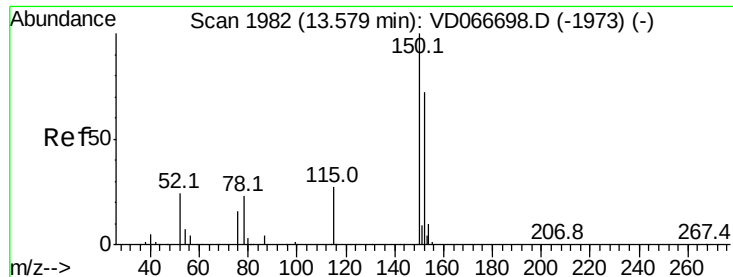
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066714.D
Acq: 16 Sep 2020 12:43

Tgt Ion: 117 Resp: 717173
Ion Ratio Lower Upper
117 100
82 55.8 45.4 68.0
119 30.7 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066714.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBL01

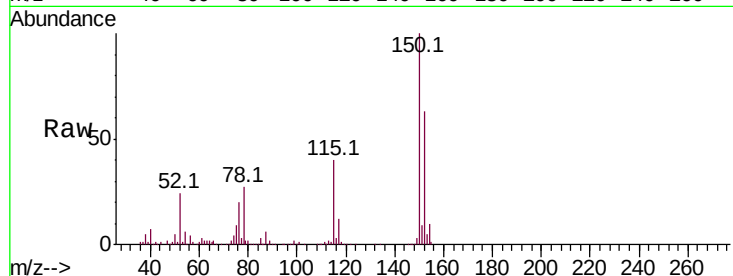
Tot Ion:152 Resp: 311083

Ion Ratio Lower Upper

152 100

115 62.7 30.5 91.5

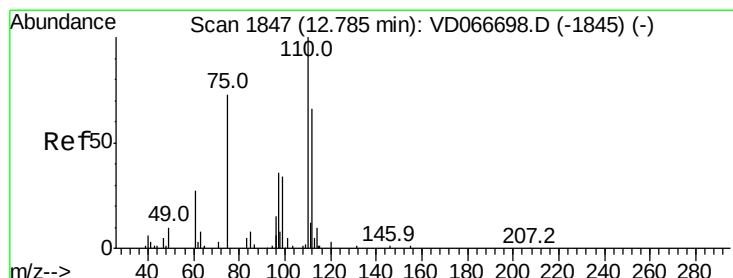
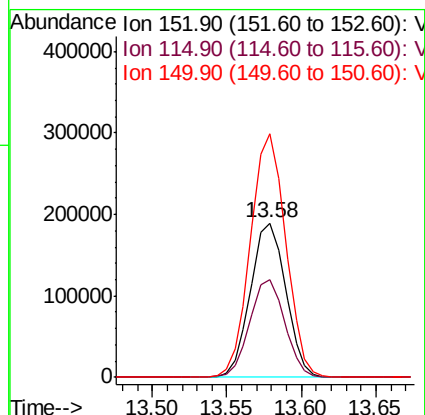
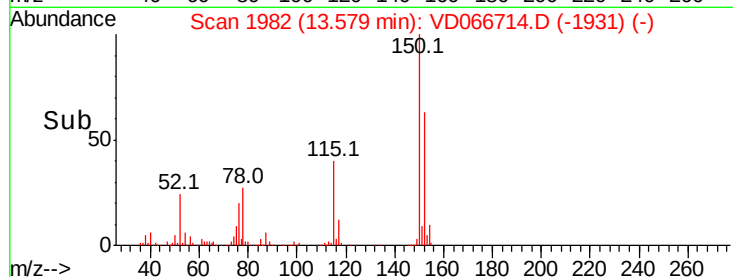
150 157.1 0.0 344.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 66.696 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066714.D

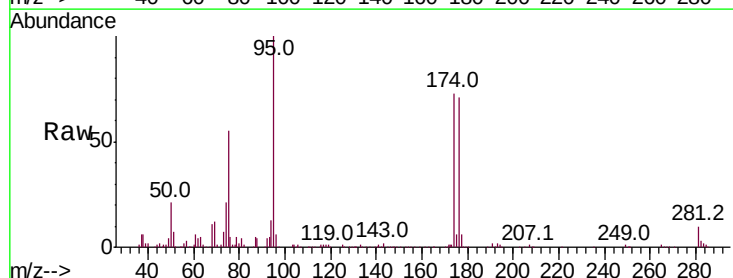
Acq: 16 Sep 2020 12:43

Tgt Ion: 75 Resp: 177594

Ion Ratio Lower Upper

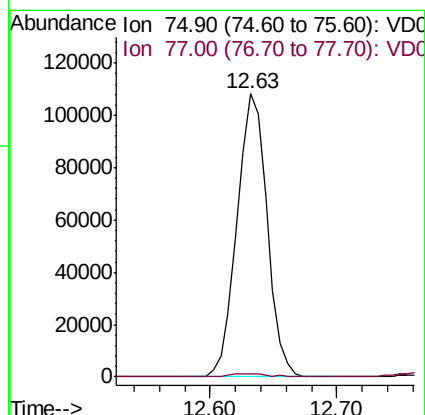
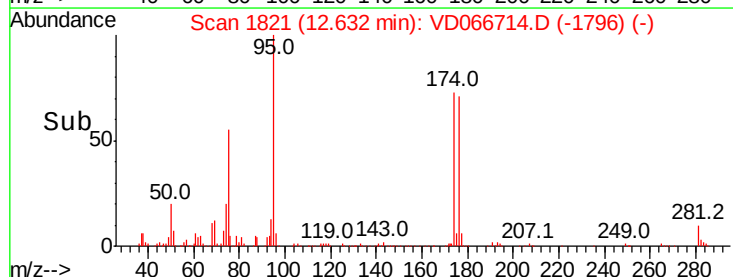
75 100

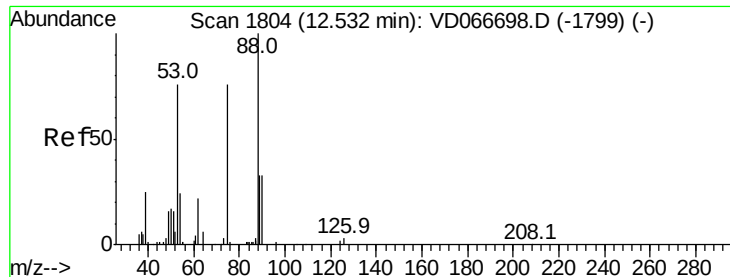
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 143.941 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066714.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBL01

Tot Ion: 75 Resp: 177594

Ion Ratio Lower Upper

75 100

53 0.1 82.2 123.4#

89 0.1 39.6 59.4#

