

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067446.D
 Acq On : 29 Oct 2020 12:33
 Operator : VA/SY
 Sample : VD1029SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBL01

Quant Time: Oct 30 02:26:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	374560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	592881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	580932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	289964	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	181074	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
35) Dibromofluoromethane	7.92	113	187023	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	10.34	98	683882	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
62) 4-Bromofluorobenzene	12.64	95	252681	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	

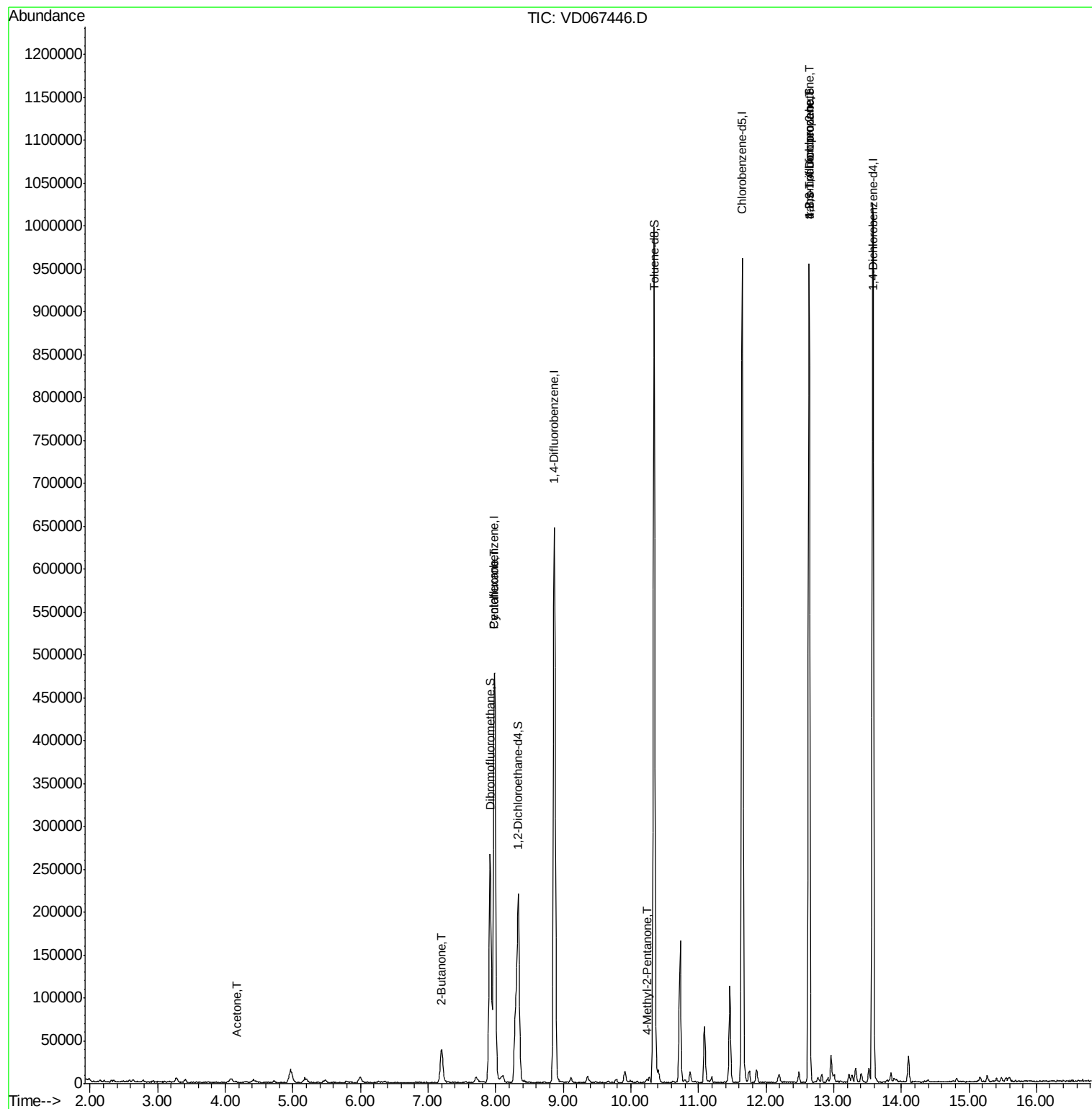
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	2249	Below Cal	#	70
5) Bromomethane	2.77	94	1579	Below Cal		93
11) Tert butyl alcohol	5.19	59	3865	Below Cal	#	81
16) Acetone	4.17	43	1406	2.675	ug/l #	78
20) Methylene Chloride	4.96	84	12315	Below Cal		94
25) 2-Butanone	7.20	43	2737	4.569	ug/l #	45
31) Cyclohexane	7.98	56	9184	2.125	ug/l #	44
49) 1,4-Dioxane	9.47	88	130	Below Cal	#	27
51) 4-Methyl-2-Pentanone	10.23	43	2609	1.783	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	134278	66.814	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	134278	151.515	ug/l #	10

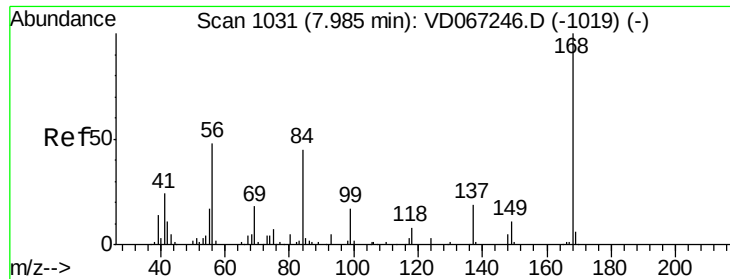
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102920\
Data File : VD067446.D
Acq On : 29 Oct 2020 12:33
Operator : VA/SY
Sample : VD1029SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBL01

Quant Time: Oct 30 02:26:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067446.D

Acq: 29 Oct 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

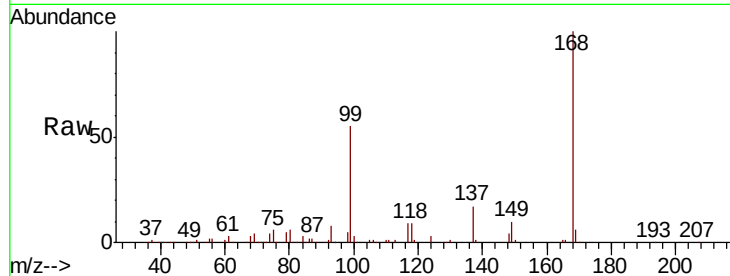
VD1029SBL01

Tot Ion:168 Resp: 374560

Ion Ratio Lower Upper

168 100

99 55.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

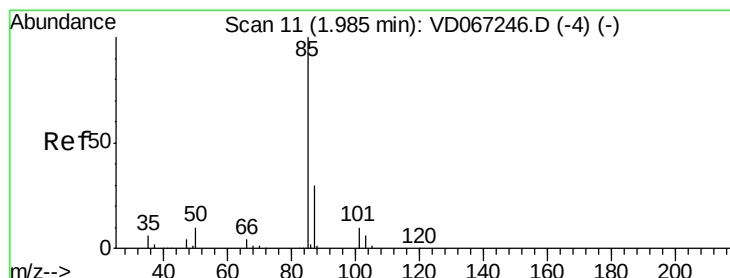
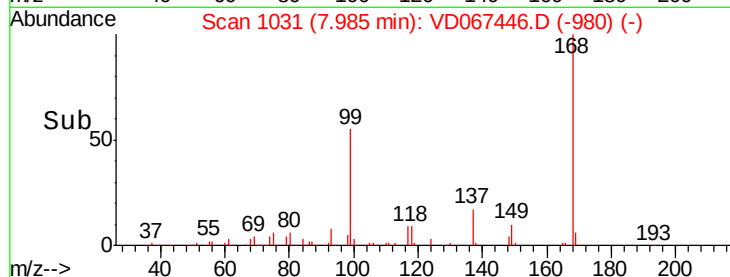
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067446.D

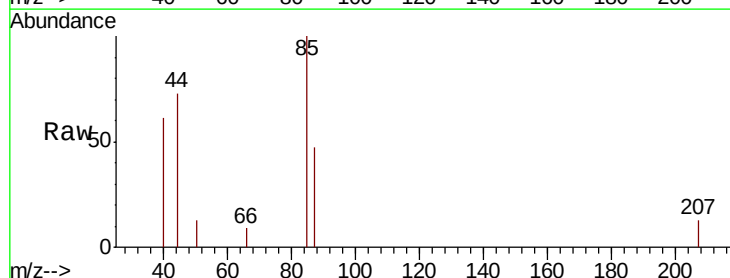
Acq: 29 Oct 2020 12:33

Tgt Ion: 85 Resp: 2249

Ion Ratio Lower Upper

85 100

87 46.7 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

2000

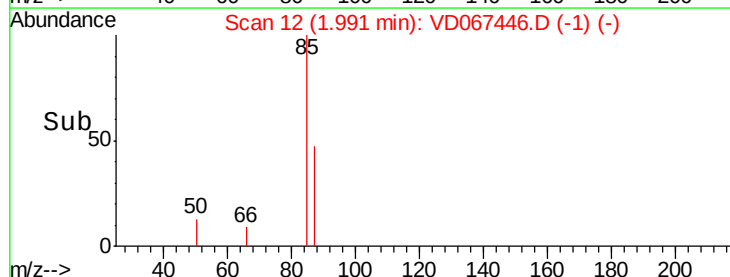
1500

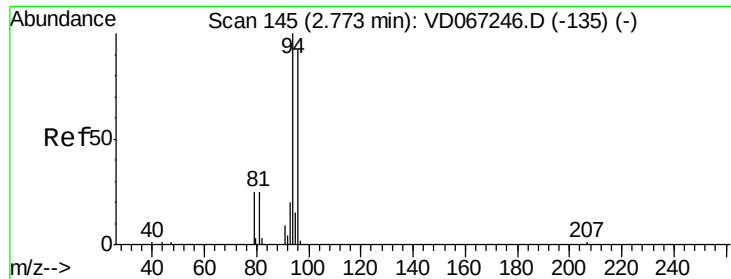
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067446.D

Acq: 29 Oct 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

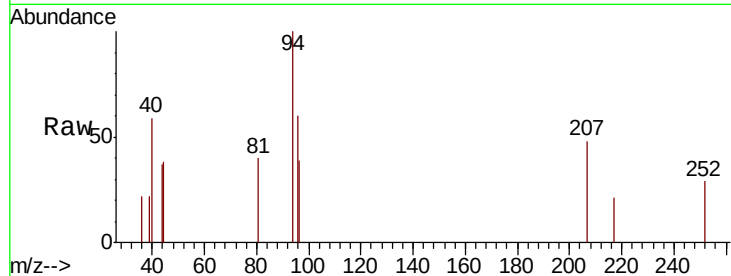
VD1029SBL01

Tot Ion: 94 Resp: 1579

Ion Ratio Lower Upper

94 100

96 99.2 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

800

600

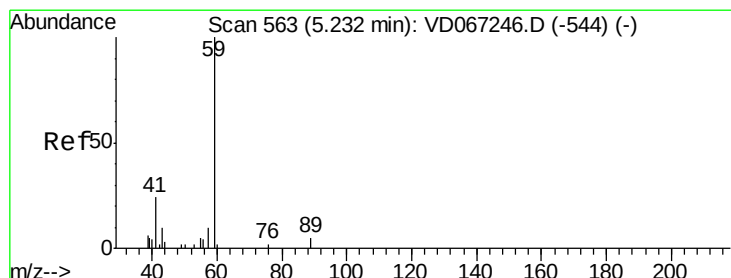
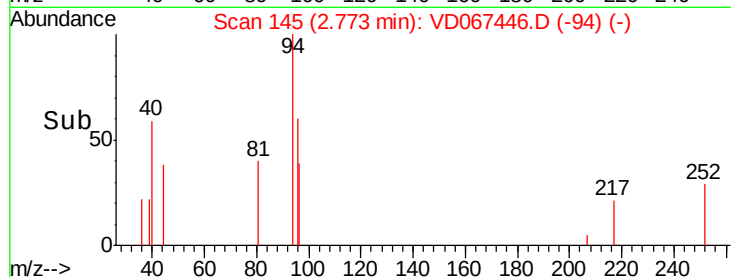
400

200

0

2.75 2.80

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 556

Delta R.T. -0.04 min

Lab File: VD067446.D

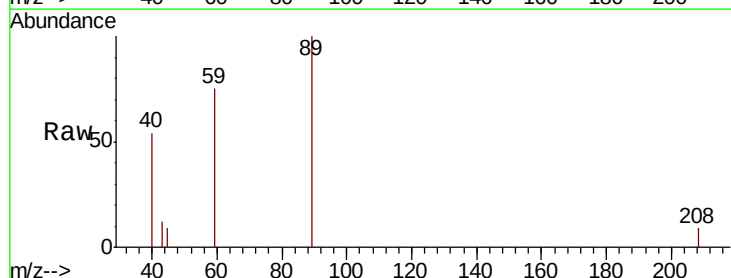
Acq: 29 Oct 2020 12:33

Tgt Ion: 59 Resp: 3865

Ion Ratio Lower Upper

59 100

57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.19

1500

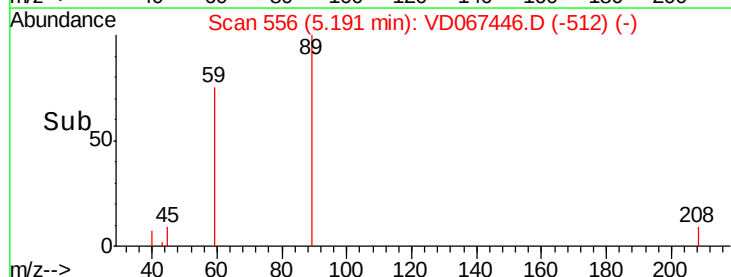
1000

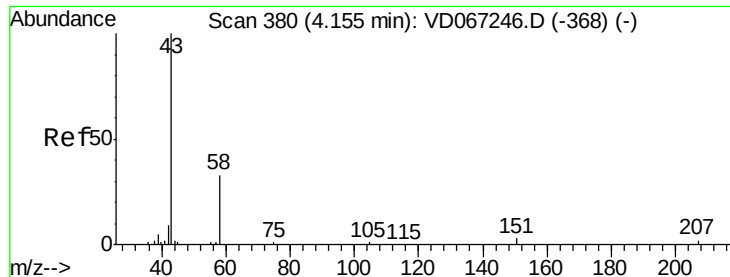
500

0

5.10 5.15 5.20

Time-->





#16

Acetone

Concen: 2.675 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD067446.D

Acq: 29 Oct 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

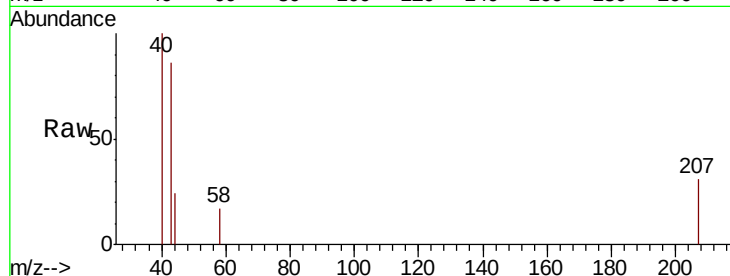
VD1029SBL01

Tot Ion: 43 Resp: 1406

Ion Ratio Lower Upper

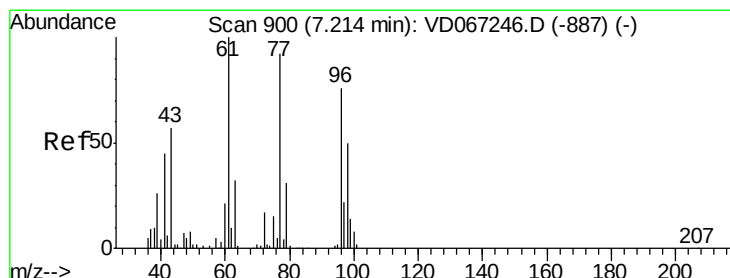
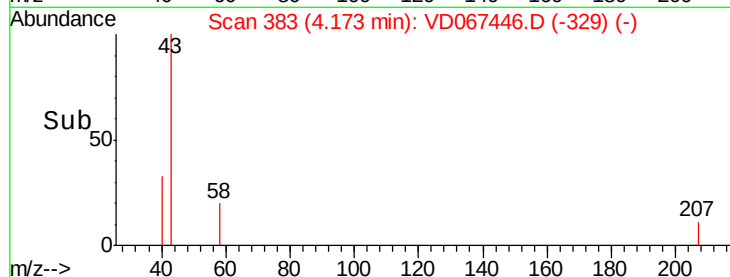
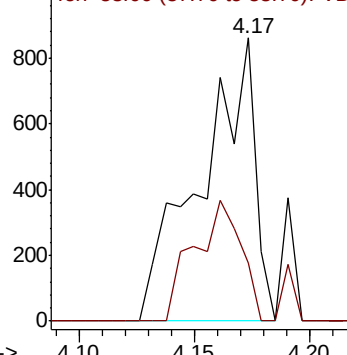
43 100

58 20.3 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#25

2-Butanone

Concen: 4.569 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.02 min

Lab File: VD067446.D

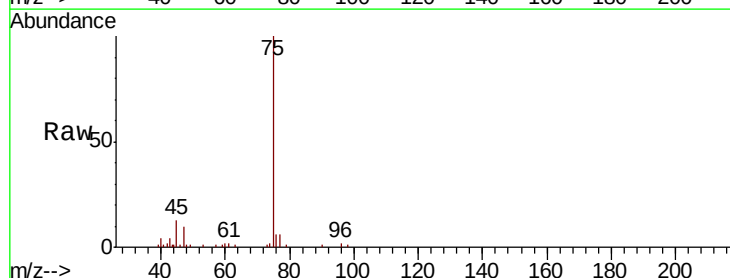
Acq: 29 Oct 2020 12:33

Tgt Ion: 43 Resp: 2737

Ion Ratio Lower Upper

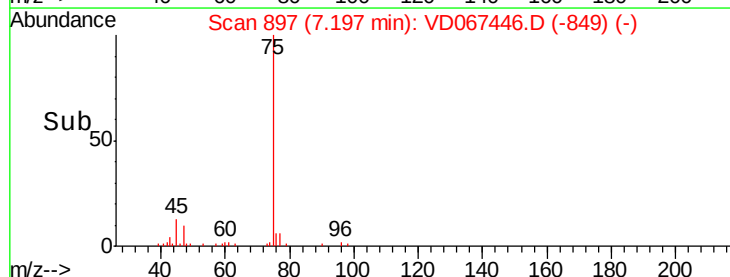
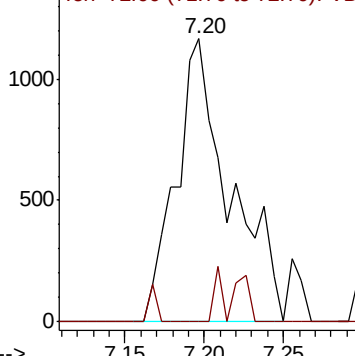
43 100

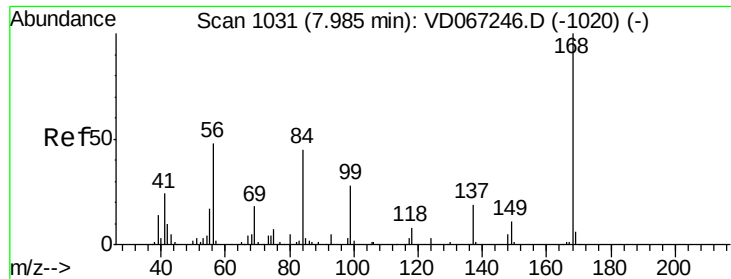
72 0.0 23.7 35.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

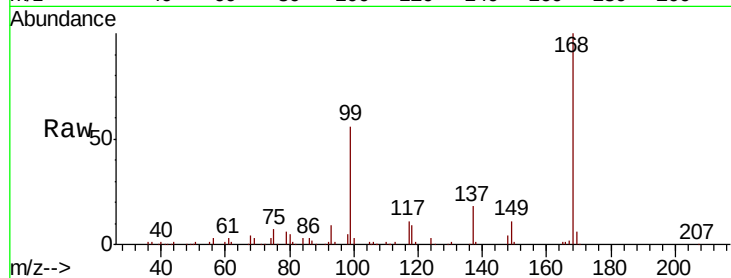




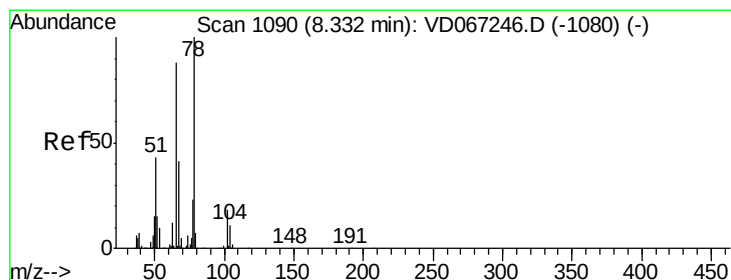
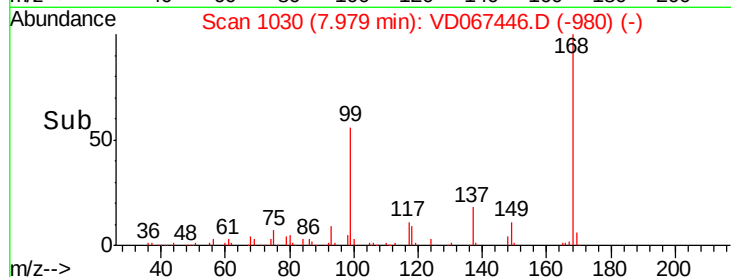
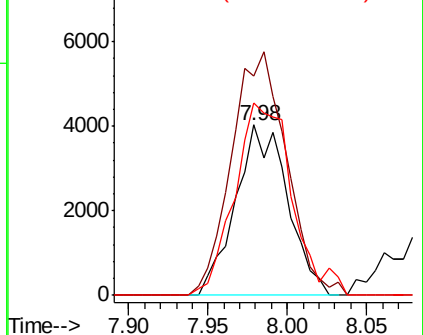
#31
Cyclohexane
Concen: 2.125 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067446.D
Acq: 29 Oct 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBL01

Tot Ion: 56 Resp: 9184
Ion Ratio Lower Upper
56 100
69 129.0 29.8 44.6#
84 112.9 76.6 114.8

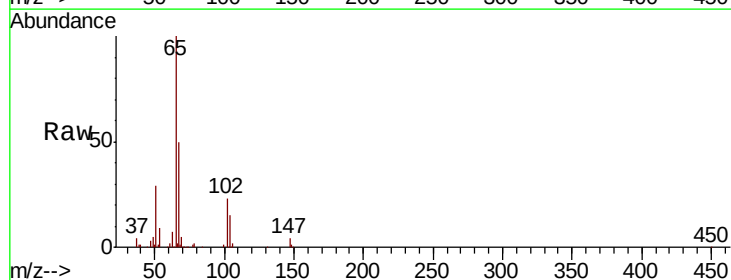


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

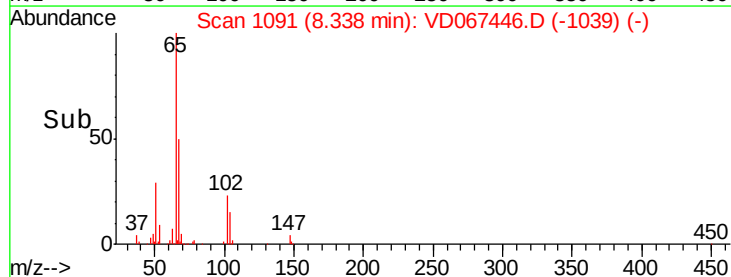
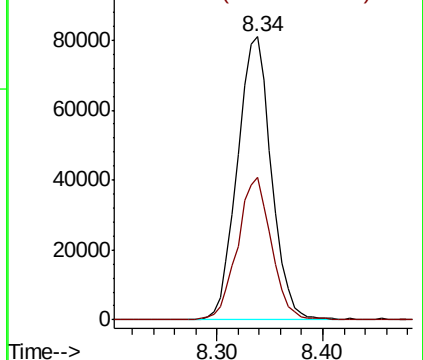


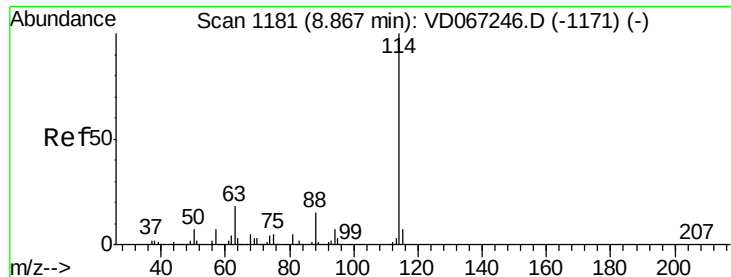
#33
1,2-Dichloroethane-d4
Concen: 48.254 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067446.D
Acq: 29 Oct 2020 12:33

Tgt Ion: 65 Resp: 181074
Ion Ratio Lower Upper
65 100
67 50.1 0.0 103.8



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

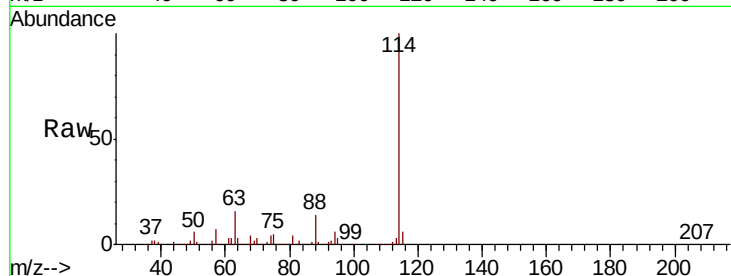




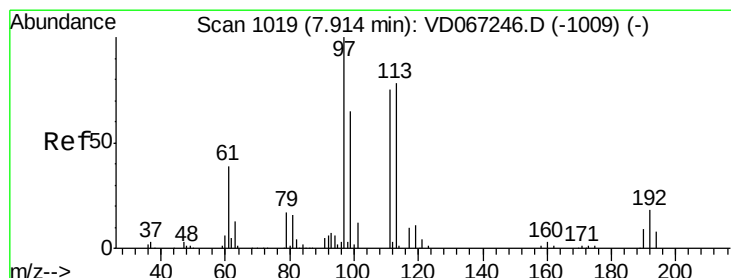
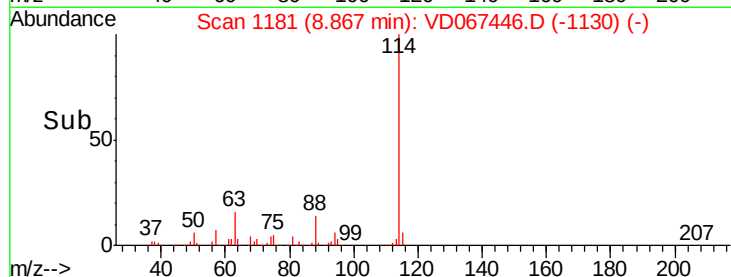
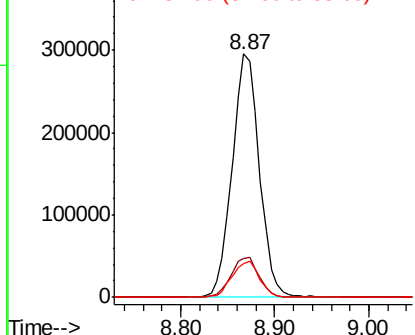
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067446.D
 Acq: 29 Oct 2020 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	15.9	0.0	35.0
88	14.0	0.0	30.6

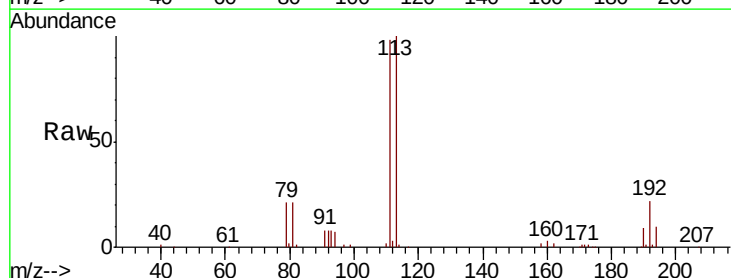


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

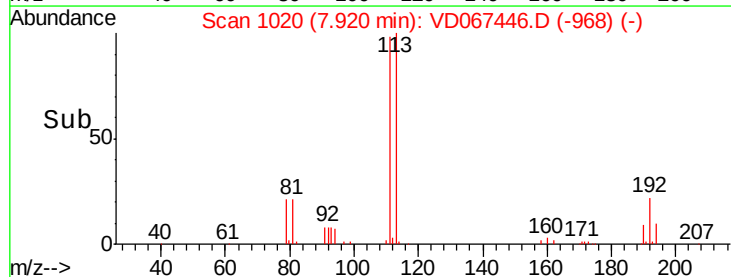
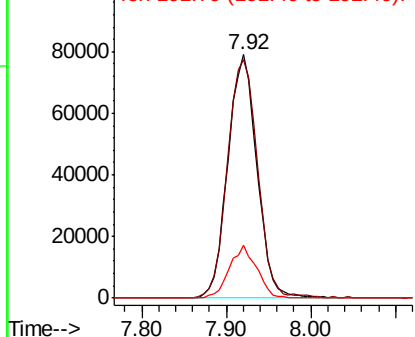


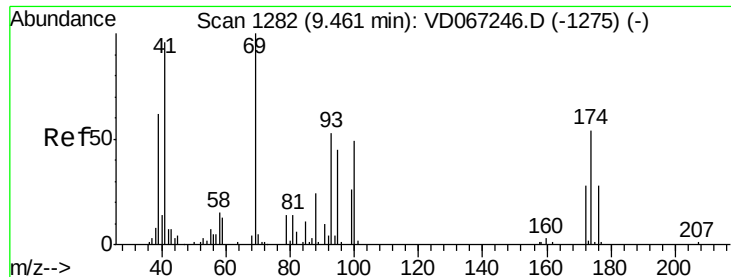
#35
 Dibromofluoromethane
 Concen: 47.400 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067446.D
 Acq: 29 Oct 2020 12:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.6	122.4
192	20.1	17.0	25.4



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

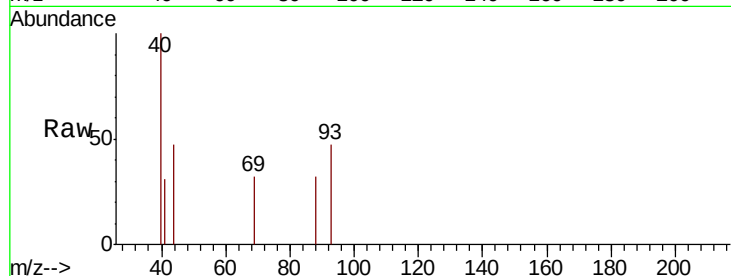




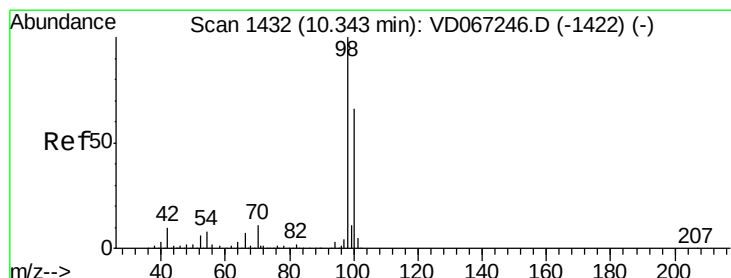
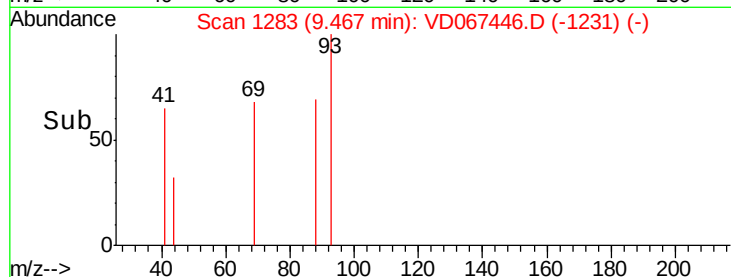
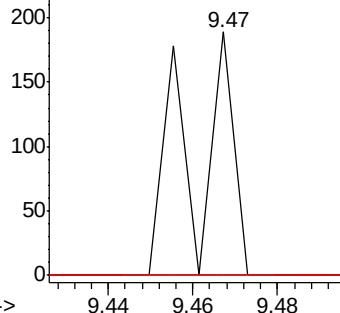
#49
1,4-Dioxane
Concen: Below Cal
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067446.D
Acq: 29 Oct 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBL01

Tot Ion: 88 Resp: 130
Ion Ratio Lower Upper
88 100
43 0.0 23.9 35.9#
58 0.0 51.0 76.6#

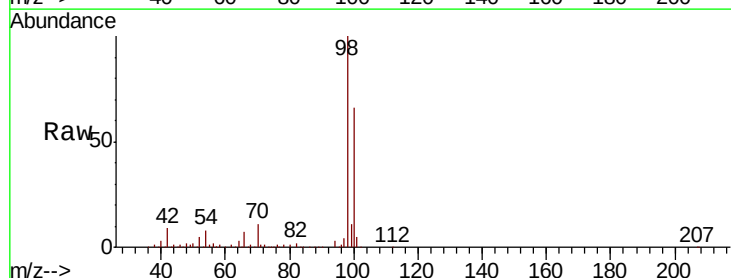


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

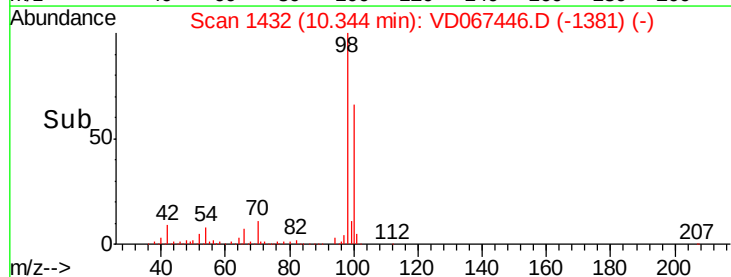
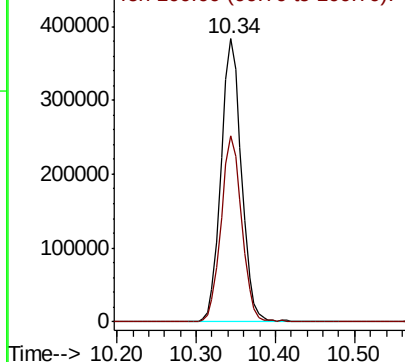


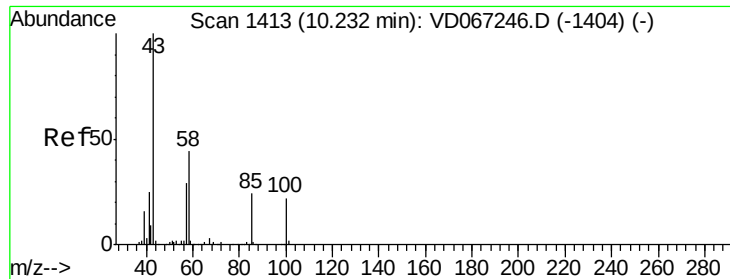
#50
Toluene-d8
Concen: 47.895 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067446.D
Acq: 29 Oct 2020 12:33

Tgt Ion: 98 Resp: 683882
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.783 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067446.D

Acq: 29 Oct 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

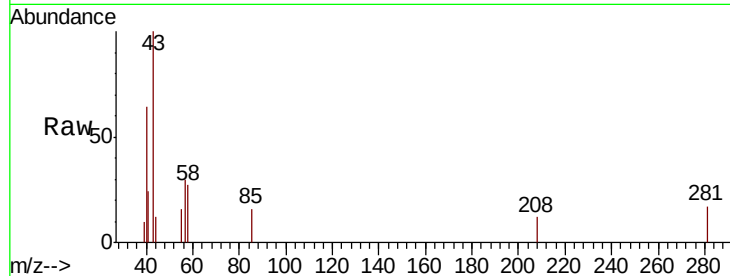
VD1029SBL01

Tot Ion: 43 Resp: 2609

Ion Ratio Lower Upper

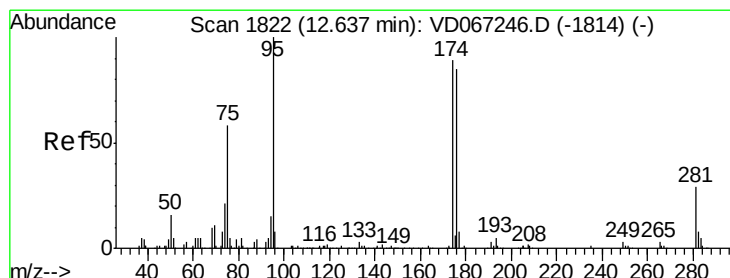
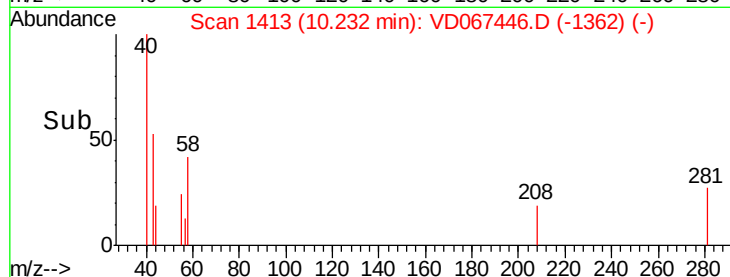
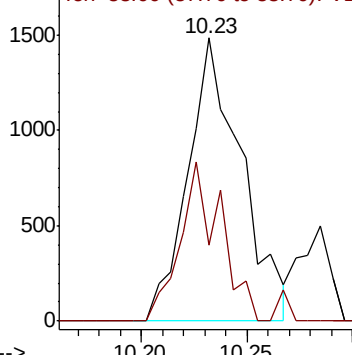
43 100

58 42.5 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 50.892 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067446.D

Acq: 29 Oct 2020 12:33

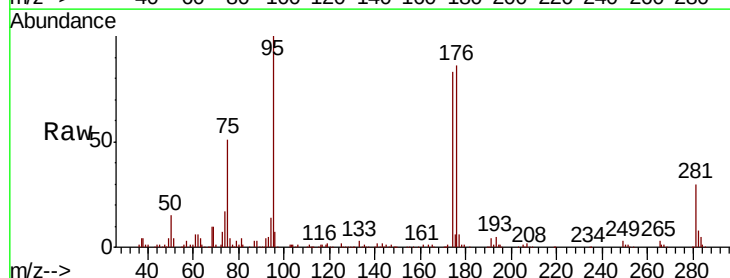
Tgt Ion: 95 Resp: 252681

Ion Ratio Lower Upper

95 100

174 89.6 0.0 175.2

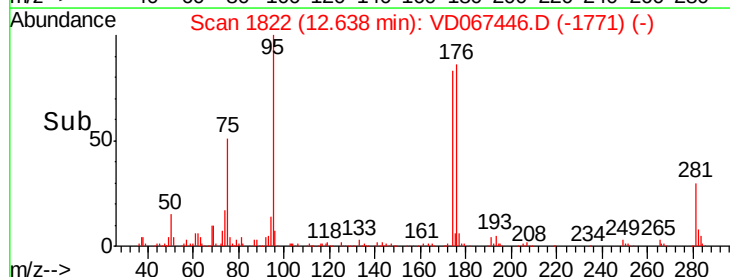
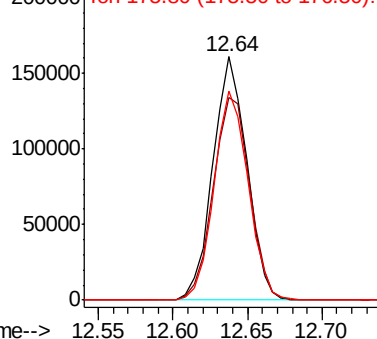
176 86.2 0.0 168.6

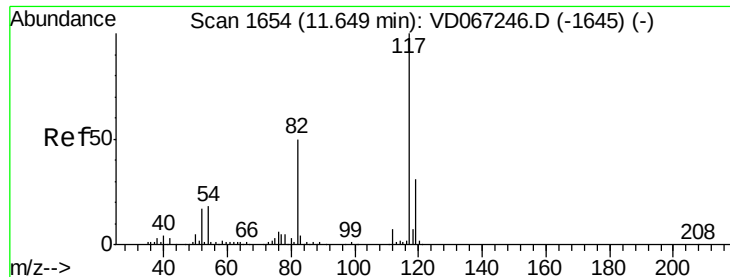


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

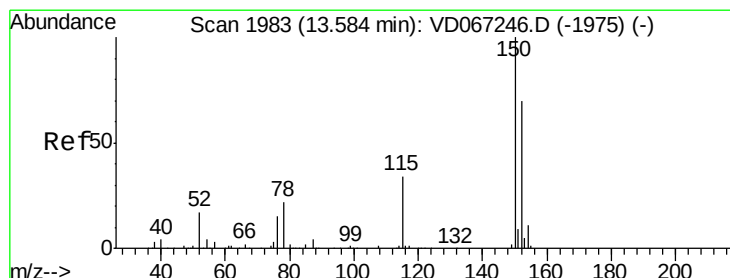
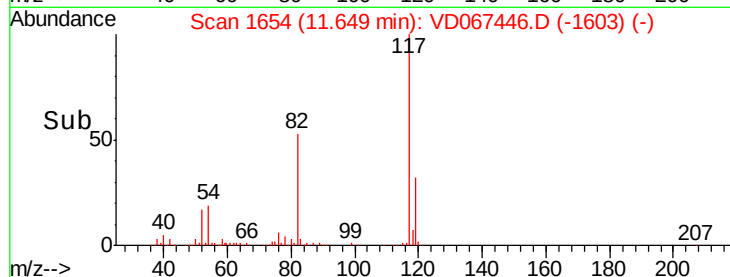
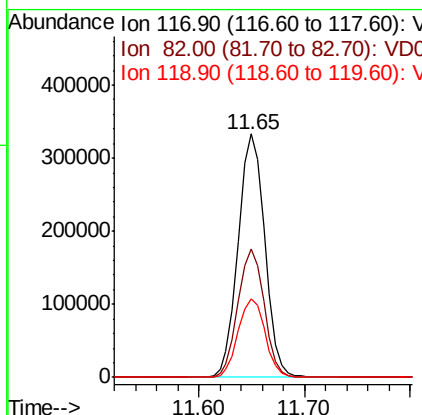
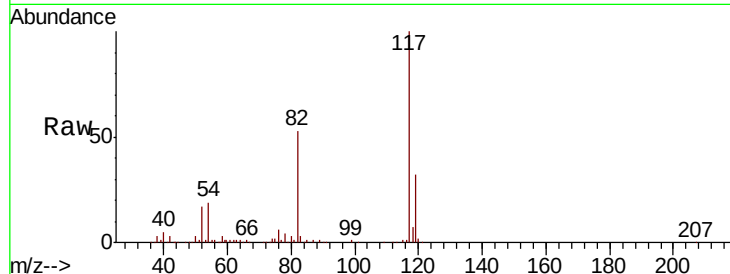




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067446.D
Acq: 29 Oct 2020 12:33

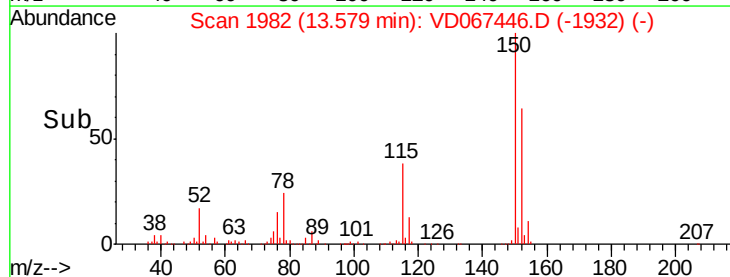
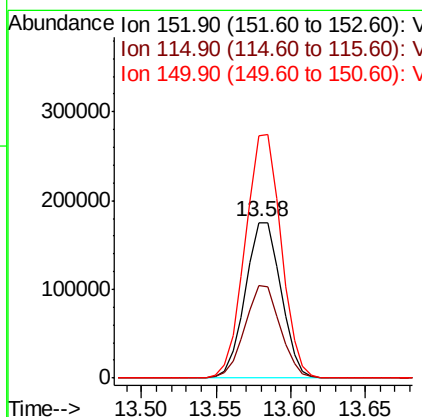
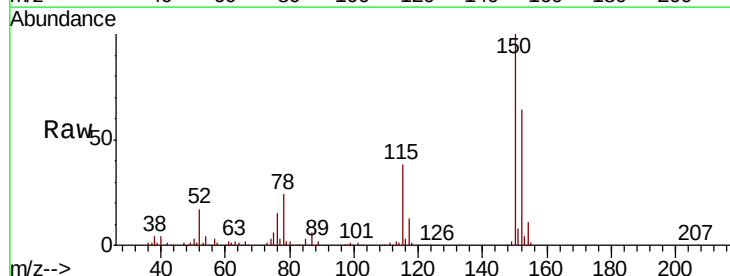
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBL01

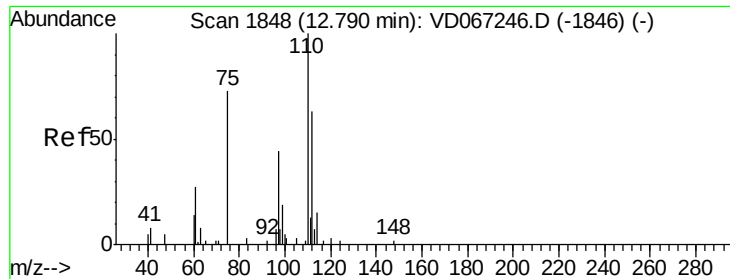
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	39.9	59.9
119	32.2	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067446.D
Acq: 29 Oct 2020 12:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.3	87.9
150	157.6	0.0	339.0

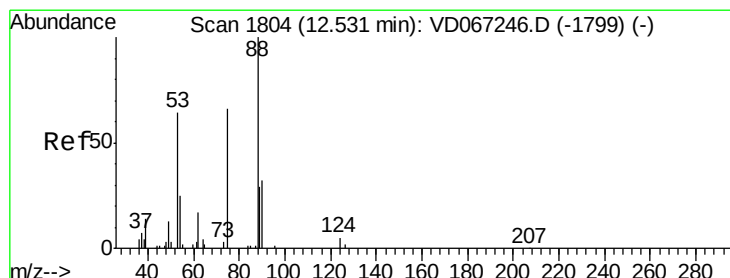
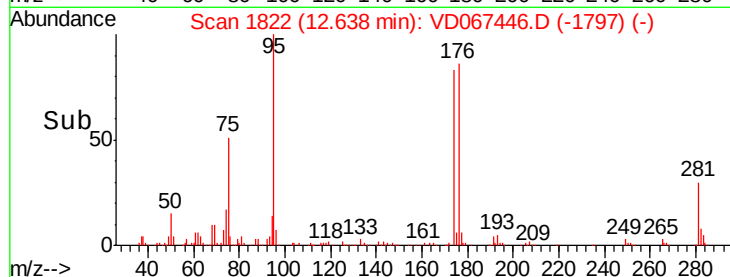
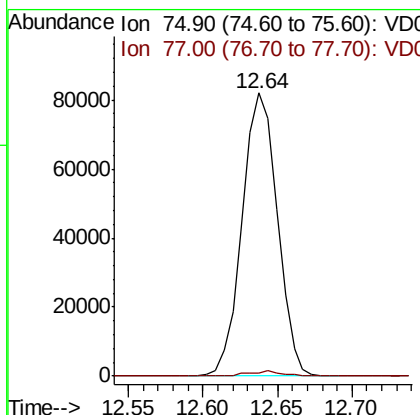
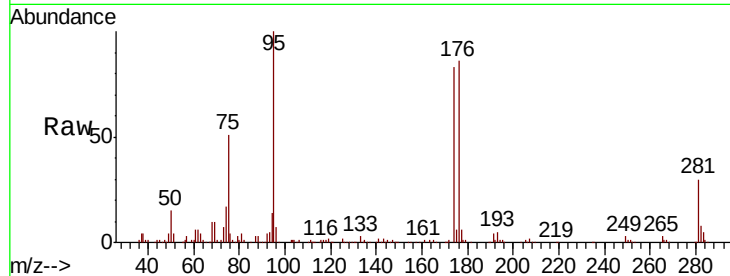




#76
 1,2,3-Trichloropropane
 Concen: 66.814 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067446.D
 Acq: 29 Oct 2020 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBL01

Tot Ion: 75 Resp: 134278
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 151.515 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067446.D
 Acq: 29 Oct 2020 12:33

Tgt Ion: 75 Resp: 134278
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.5 39.9 59.9#

