

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082119\
 Data File : VD063723.D
 Acq On : 21 Aug 2019 19:55
 Operator : JC/SY
 Sample : K4421-04
 Misc : 5.05g/5ml/MSVOA_D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SUNSET-PARK-SB-6-7.5-8.0

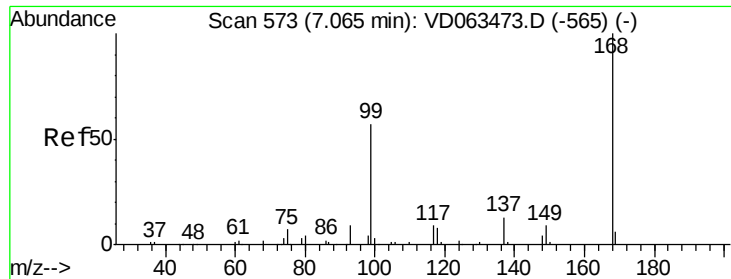
Quant Time: Aug 22 01:28:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	544899	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	766180	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	565632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	192087	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	440439	75.62	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	151.24%	
35) Dibromofluoromethane	6.92	113	474056	73.46	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	146.92%	
50) Toluene-d8	10.41	98	866031	61.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.08%	
62) 4-Bromofluorobenzene	13.55	95	259007	40.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	2453	1.017	ug/l #	11
16) Acetone	3.22	43	84191	71.106	ug/l	97
17) Carbon Disulfide	3.36	76	64082	4.612	ug/l	98
20) Methylene Chloride	3.81	84	13892	2.713	ug/l #	81
25) 2-Butanone	6.07	43	16736	14.312	ug/l #	90
31) Cyclohexane	7.04	56	12868	2.447	ug/l #	16
36) 1,1-Dichloropropene	7.04	75	37845	5.587	ug/l #	48
37) Ethyl Acetate	6.07	43	16736	5.897	ug/l #	73
38) Carbon Tetrachloride	7.04	117	51392	5.034	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	4585	1.763	ug/l #	30
80) 1,3,5-Trimethylbenzene	13.88	105	13014	1.219	ug/l	73
81) trans-1,4-Dichloro-2-buten	13.55	75	116644	196.862	ug/l #	1
95) Naphthalene	16.12	128	31477	5.508	ug/l #	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

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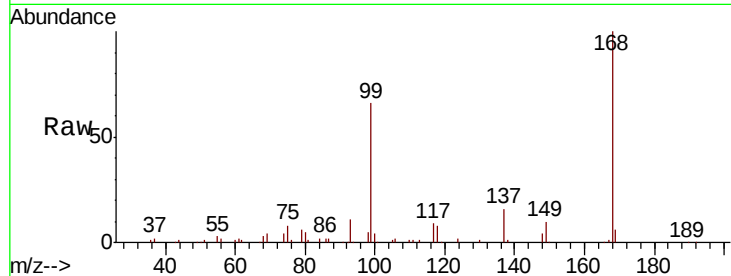
SUNSET-PARK-SB-6-7.5-8.0

Tgt Ion:168 Resp: 544899

Ion Ratio Lower Upper

168 100

99 66.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

150000

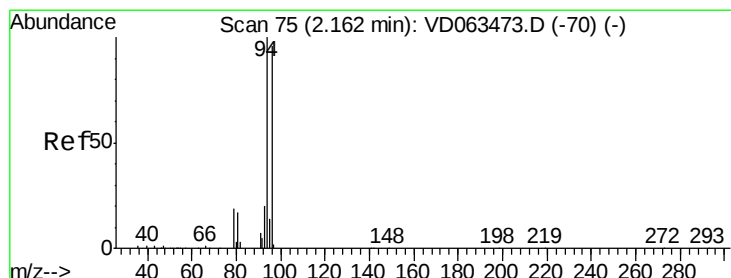
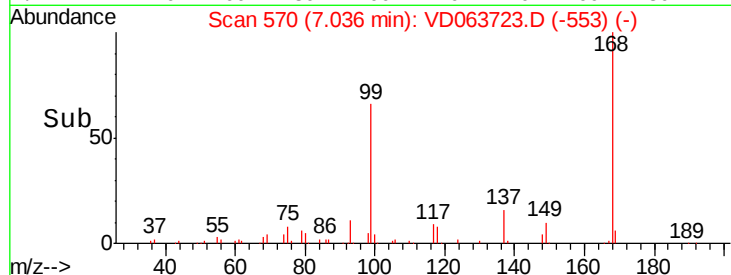
100000

50000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#5

Bromomethane

Concen: 1.017 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD063723.D

Acq: 21 Aug 2019 19:55

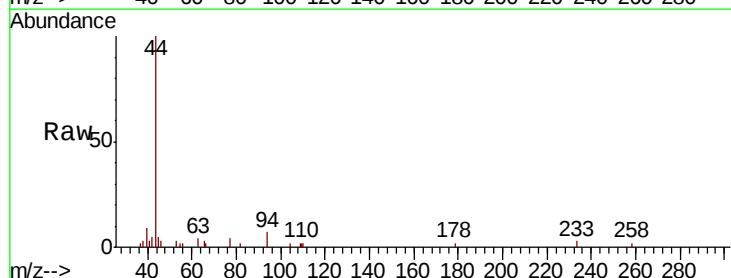
Tgt Ion: 94 Resp: 2453

Ion Ratio Lower Upper

94 100

96 0.0 76.5 114.7#

93 0.0 15.8 23.8#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2000

1500

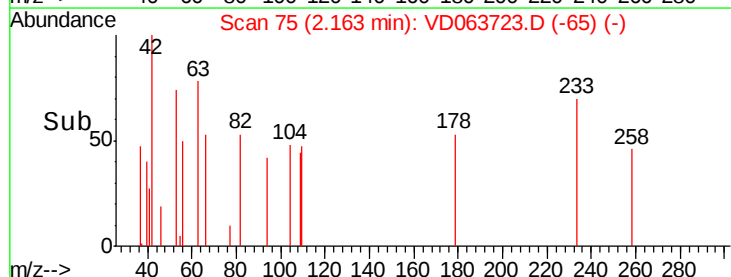
1000

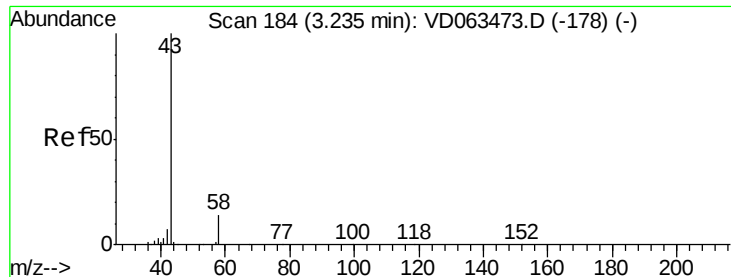
500

0

Time-->

2.15 2.20





#16

Acetone

Concen: 71.106 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063723.D

Acq: 21 Aug 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

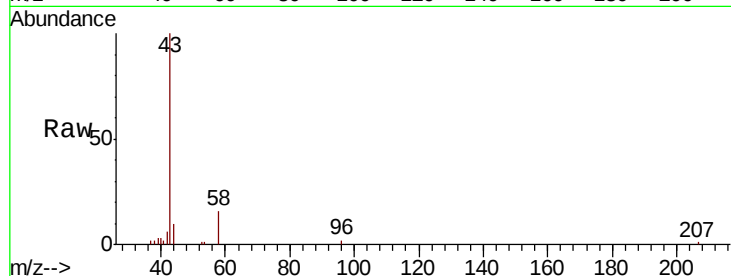
SUNSET-PARK-SB-6-7.5-8.0

Tgt Ion: 43 Resp: 84191

Ion Ratio Lower Upper

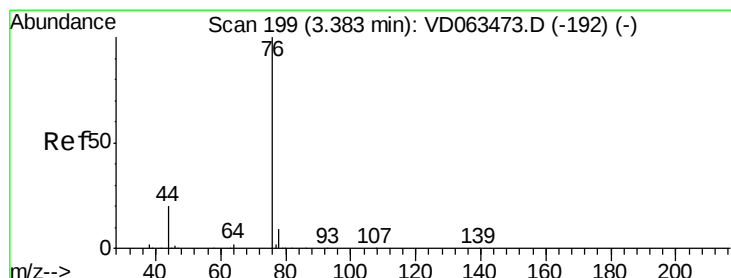
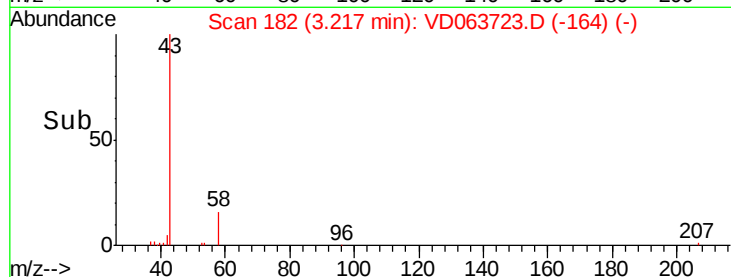
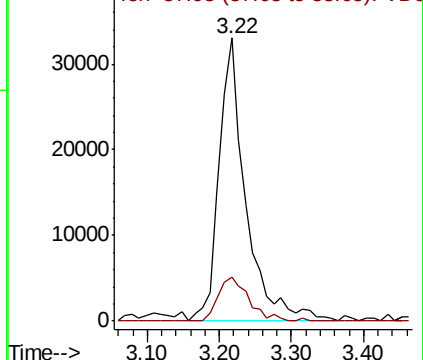
43 100

58 15.6 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 4.612 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.02 min

Lab File: VD063723.D

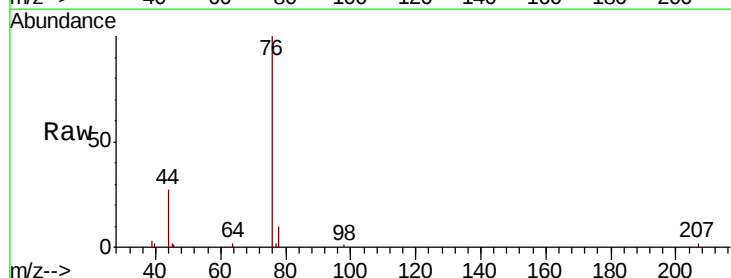
Acq: 21 Aug 2019 19:55

Tgt Ion: 76 Resp: 64082

Ion Ratio Lower Upper

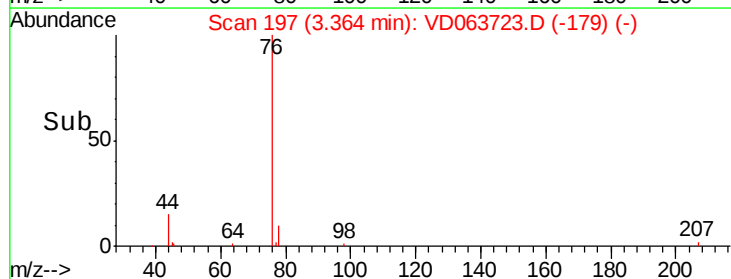
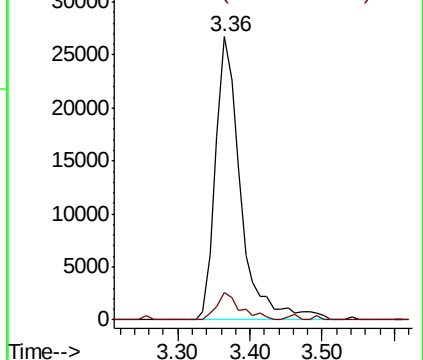
76 100

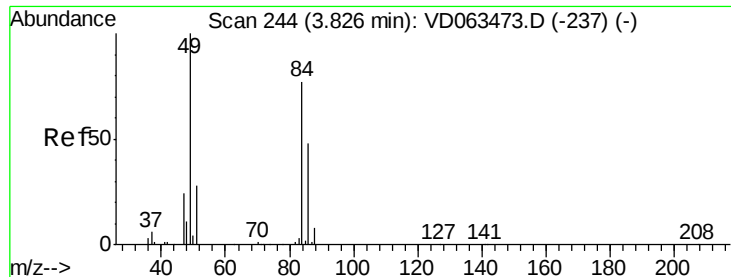
78 9.8 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

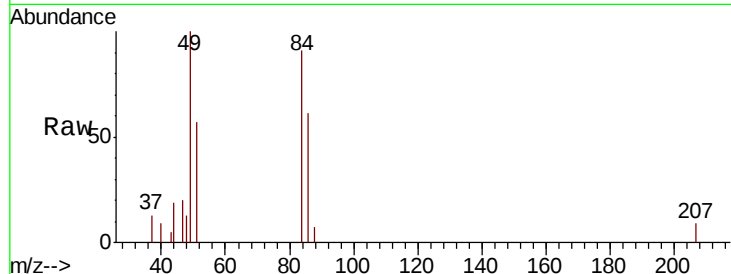




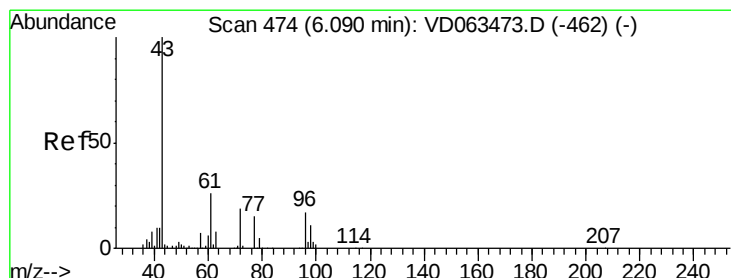
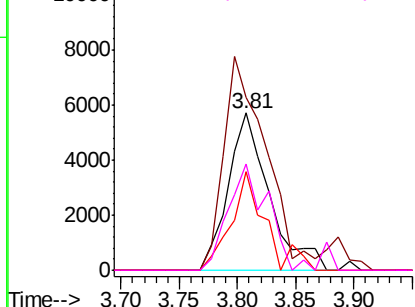
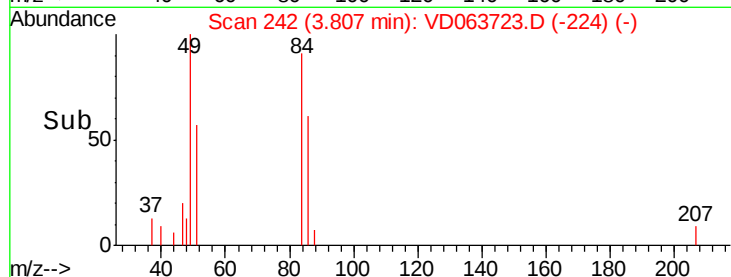
#20
Methylene Chloride
Concen: 2.713 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063723.D
Acq: 21 Aug 2019 19:55

Instrument :
MSVOA_D
ClientSampleId :
SUNSET-PARK-SB-6-7.5-8.0

Tgt Ion: 84 Resp: 13892
Ion Ratio Lower Upper
84 100
49 109.9 103.4 155.2
51 62.3 28.5 42.7#
86 67.3 49.4 74.2

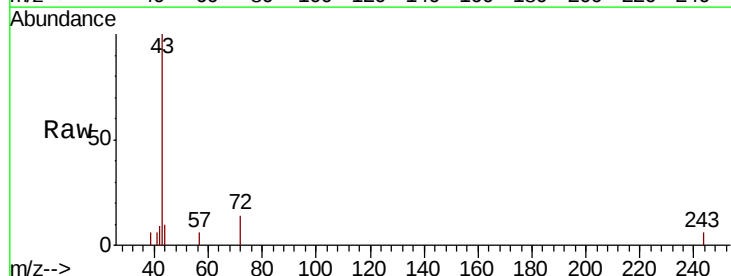


Abundance Ion 83.95 (83.65 to 84.65): VDC
12000 Ion 48.90 (48.60 to 49.60): VDC
10000 Ion 50.90 (50.60 to 51.60): VDC
8000 Ion 85.90 (85.60 to 86.60): VDC

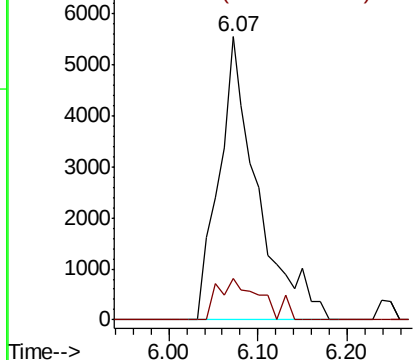
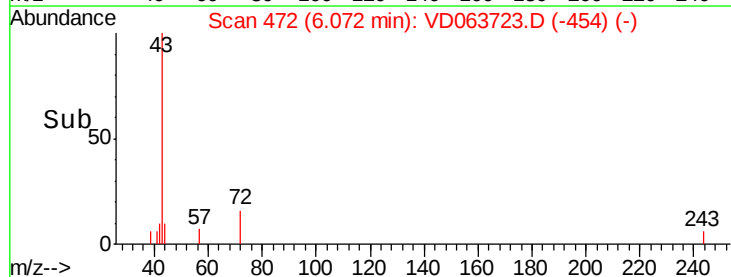


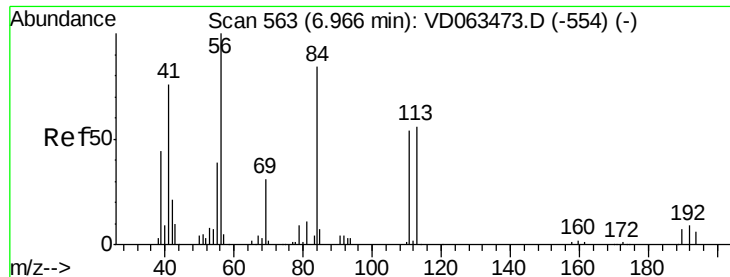
#25
2-Butanone
Concen: 14.312 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.02 min
Lab File: VD063723.D
Acq: 21 Aug 2019 19:55

Tgt Ion: 43 Resp: 16736
Ion Ratio Lower Upper
43 100
72 14.5 15.1 22.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
6000 Ion 72.00 (71.70 to 72.70): VDC

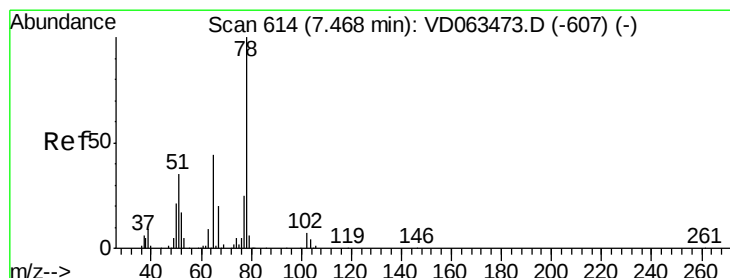
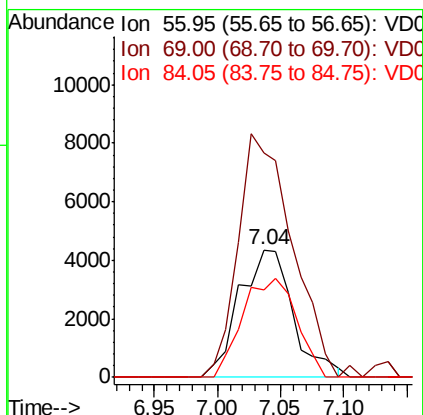
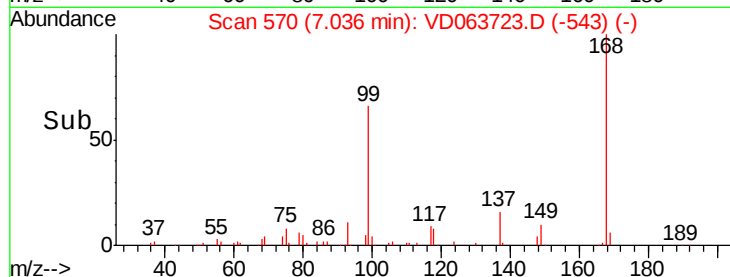
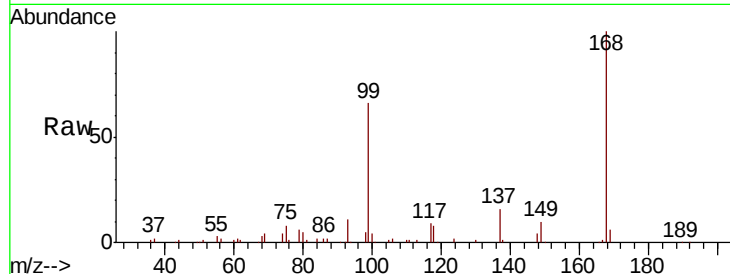




#31
Cyclohexane
Concen: 2.447 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063723.D
Acq: 21 Aug 2019 19:55

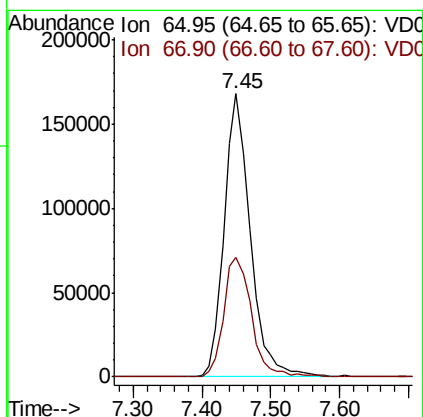
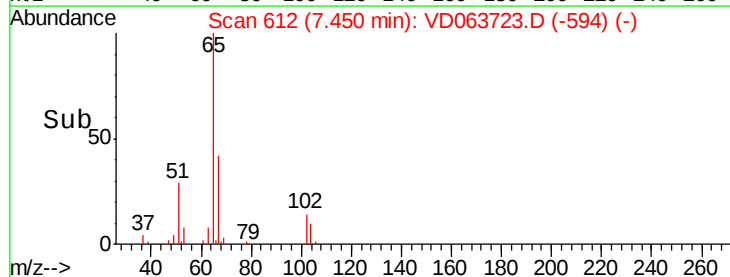
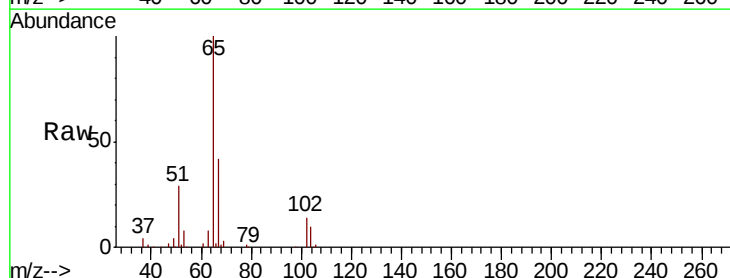
Instrument :
MSVOA_D
ClientSampleId :
SUNSET-PARK-SB-6-7.5-8.0

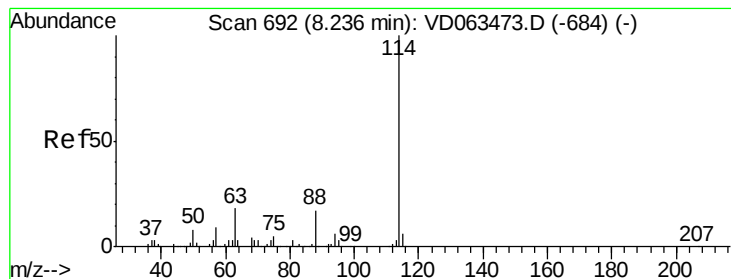
Tgt Ion: 56 Resp: 12868
Ion Ratio Lower Upper
56 100
69 176.2 25.0 37.6#
84 68.1 69.7 104.5#



#33
1,2-Dichloroethane-d4
Concen: 75.618 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063723.D
Acq: 21 Aug 2019 19:55

Tgt Ion: 65 Resp: 440439
Ion Ratio Lower Upper
65 100
67 42.5 0.0 89.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063723.D

Acq: 21 Aug 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

SUNSET-PARK-SB-6-7.5-8.0

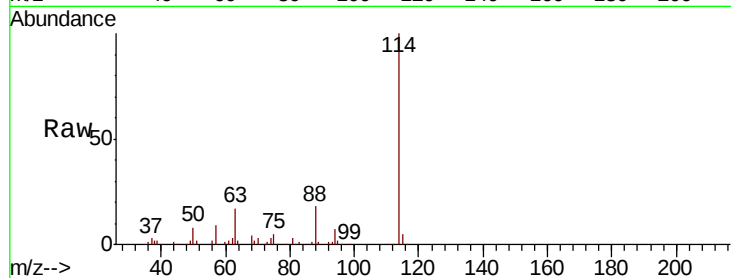
Tgt Ion:114 Resp: 766180

Ion Ratio Lower Upper

114 100

63 16.9 0.0 36.2

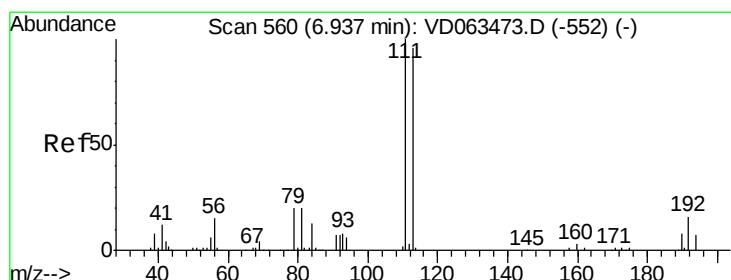
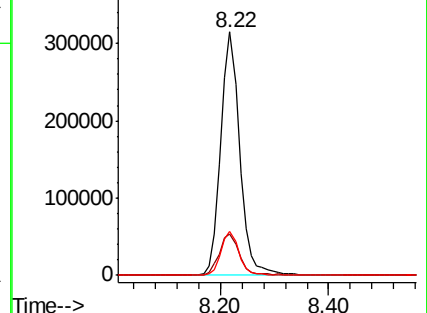
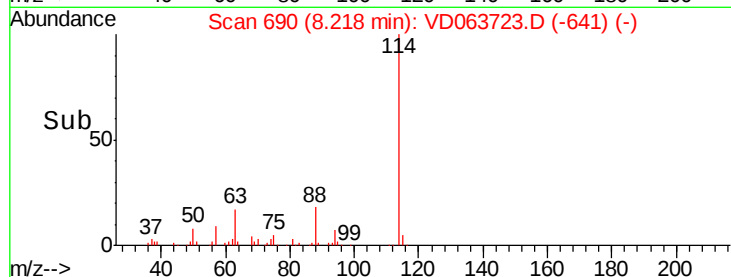
88 17.8 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 73.465 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063723.D

Acq: 21 Aug 2019 19:55

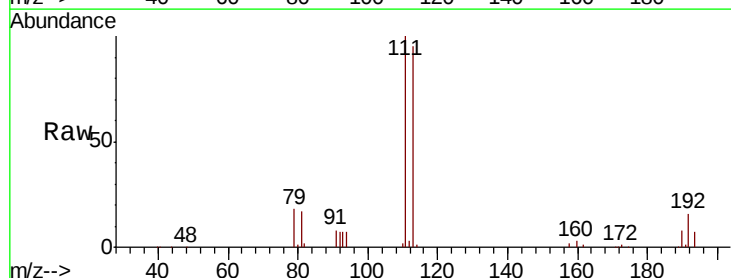
Tgt Ion:113 Resp: 474056

Ion Ratio Lower Upper

113 100

111 105.4 83.1 124.7

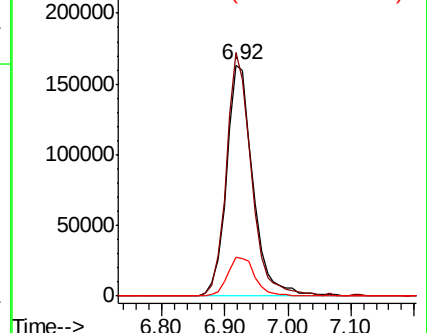
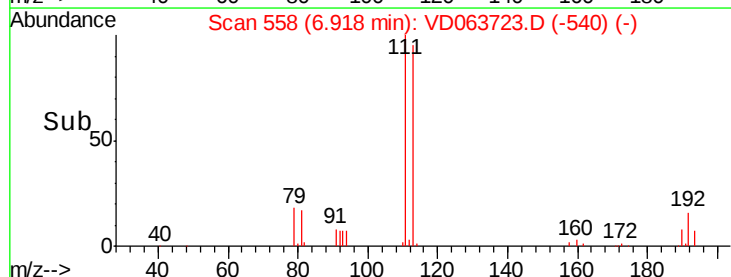
192 16.6 13.1 19.7

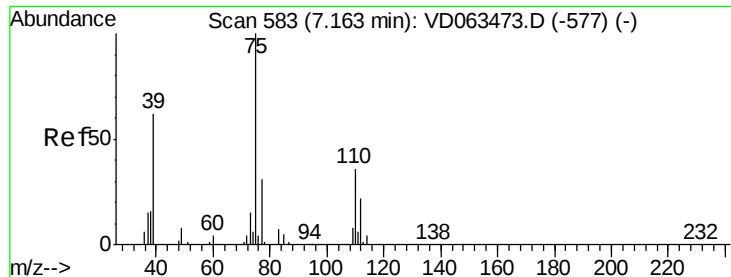


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.587 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.13 min

Lab File: VD063723.D

Acq: 21 Aug 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

SUNSET-PARK-SB-6-7.5-8.0

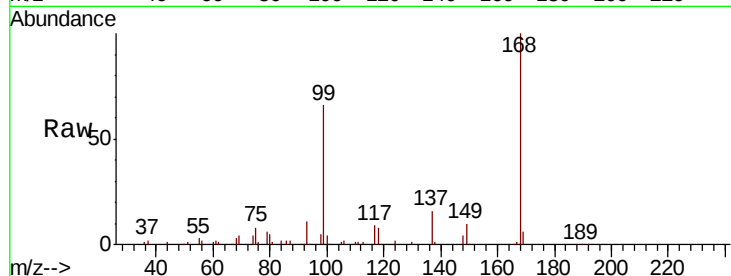
Tgt Ion: 75 Resp: 37845

Ion Ratio Lower Upper

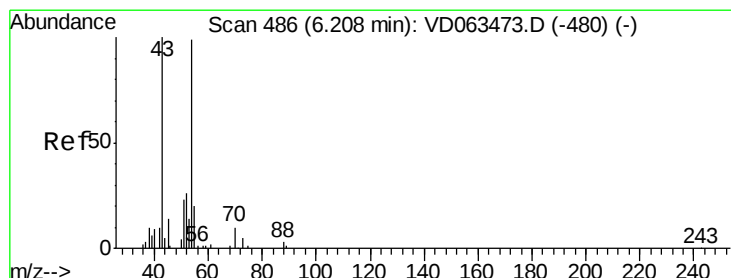
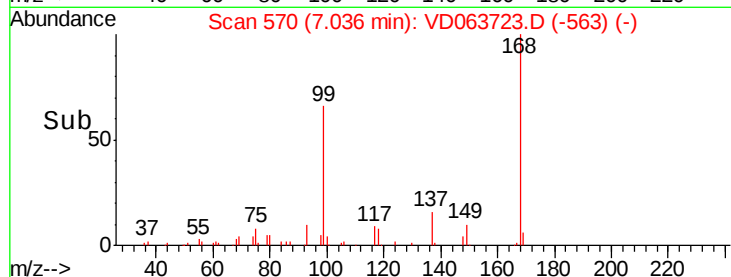
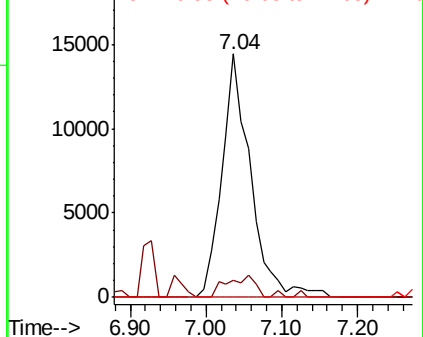
75 100

110 7.0 17.6 52.8#

77 0.0 24.3 36.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 5.897 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.14 min

Lab File: VD063723.D

Acq: 21 Aug 2019 19:55

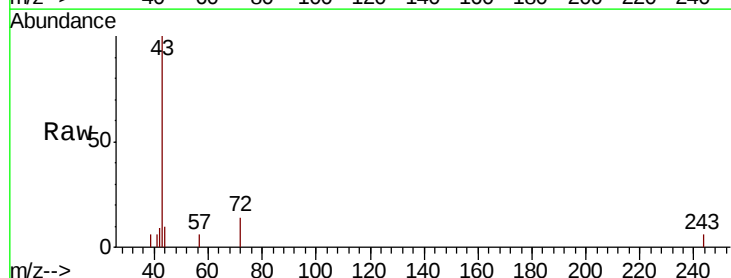
Tgt Ion: 43 Resp: 16736

Ion Ratio Lower Upper

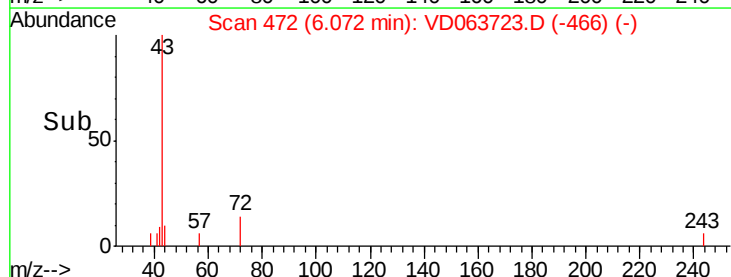
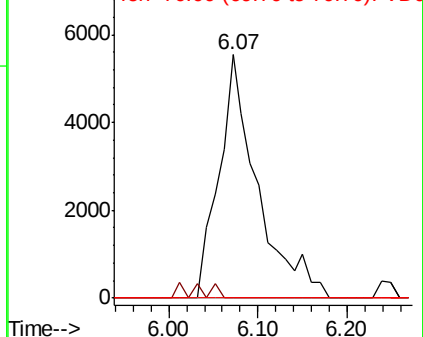
43 100

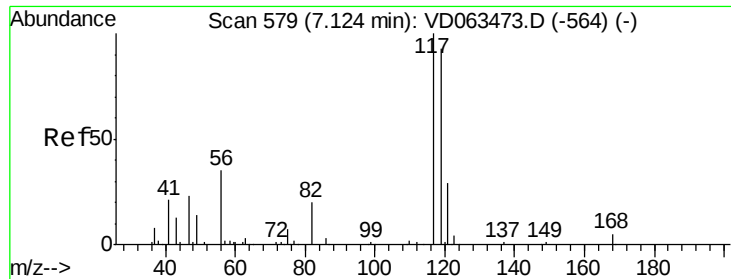
61 0.0 9.0 13.6#

70 0.0 6.9 10.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

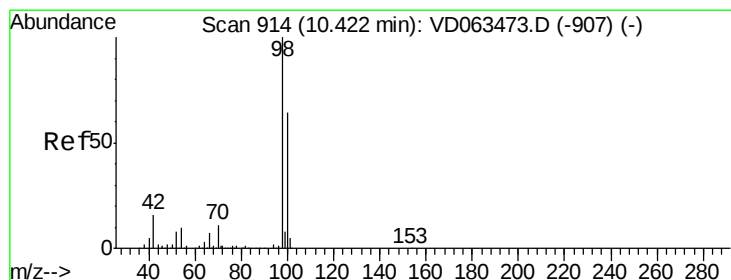
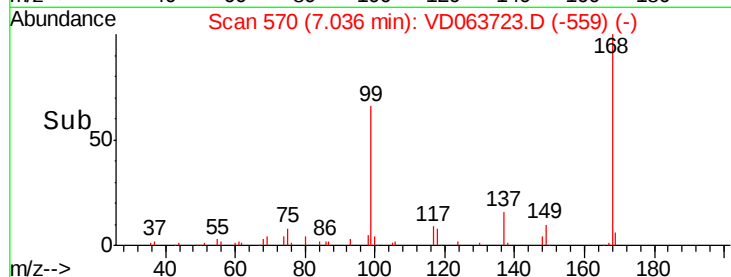
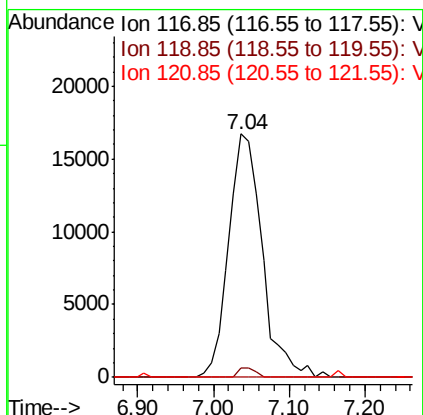
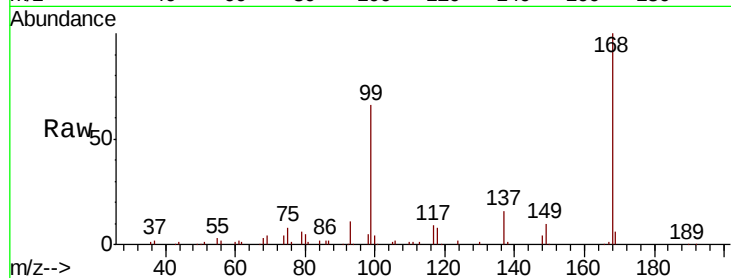




#38
Carbon Tetrachloride
Concen: 5.034 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.09 min
Lab File: VD063723.D
Acq: 21 Aug 2019 19:55

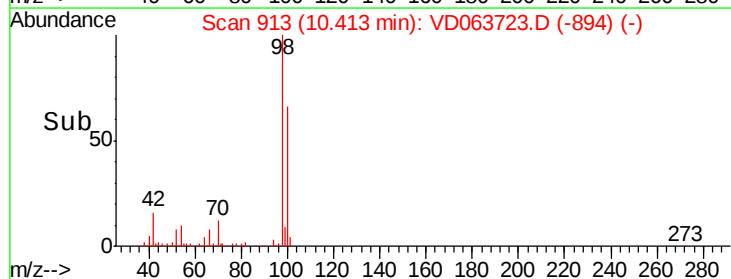
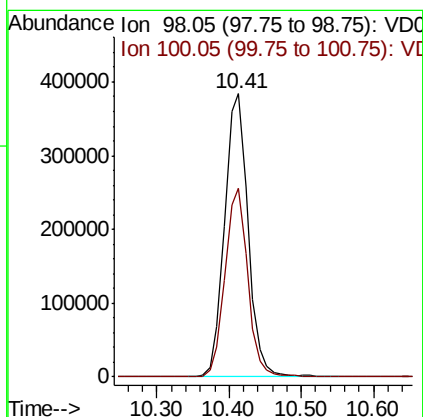
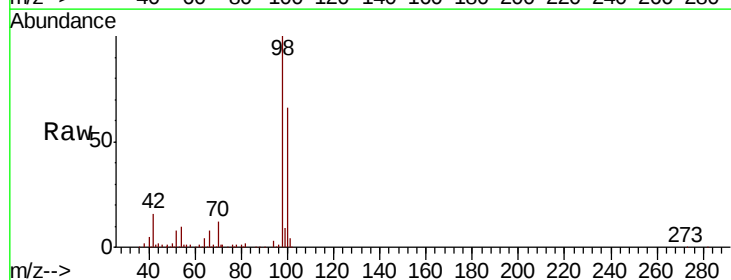
Instrument :
MSVOA_D
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SUNSET-PARK-SB-6-7.5-8.0

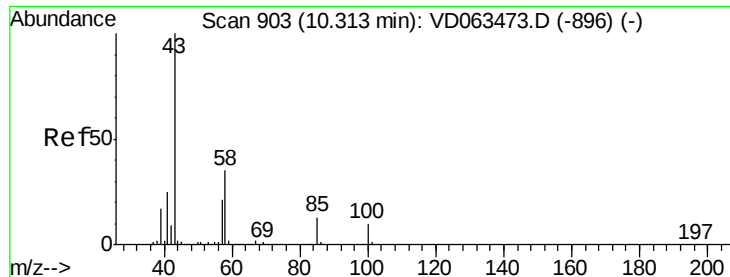
Tgt Ion:117 Resp: 51392
Ion Ratio Lower Upper
117 100
119 3.9 74.2 111.2#
121 0.0 23.1 34.7#



#50
Toluene-d8
Concen: 61.045 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063723.D
Acq: 21 Aug 2019 19:55

Tgt Ion: 98 Resp: 866031
Ion Ratio Lower Upper
98 100
100 66.5 51.7 77.5

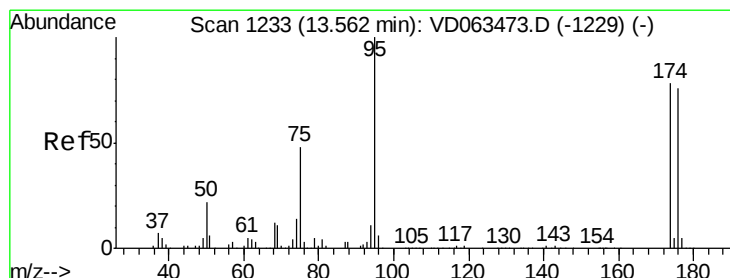
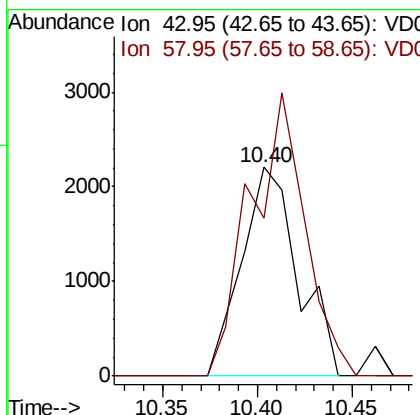
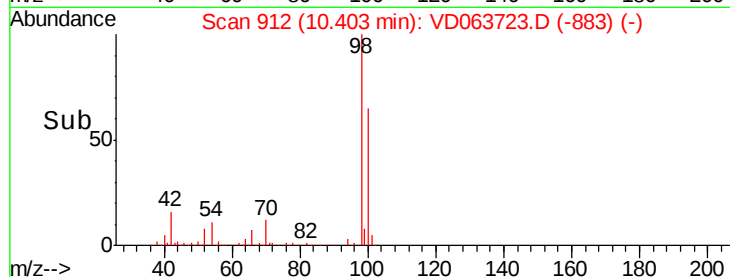
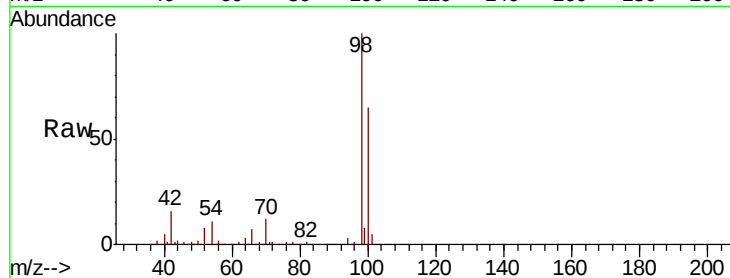




#51
 4-Methyl-2-Pentanone
 Concen: 1.763 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. 0.09 min
 Lab File: VD063723.D
 Acq: 21 Aug 2019 19:55

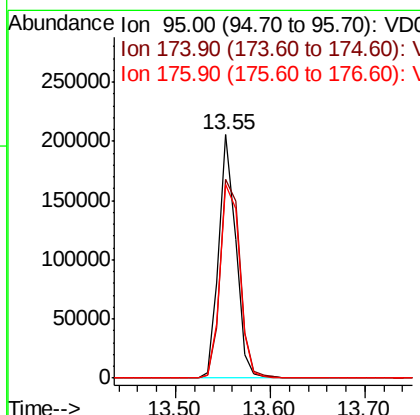
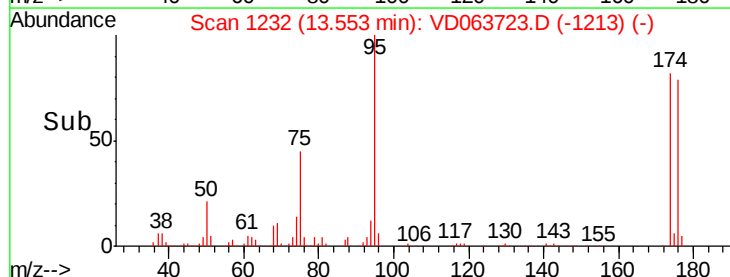
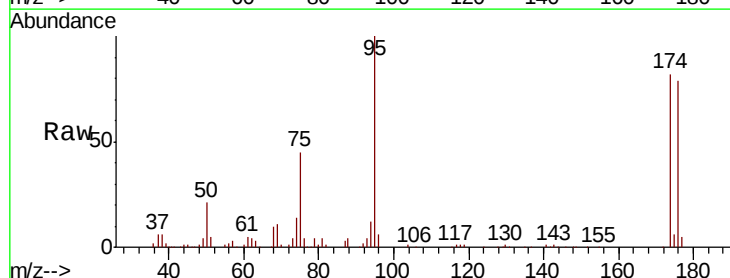
Instrument :
 MSVOA_D
 ClientSampleId :
 SUNSET-PARK-SB-6-7.5-8.0

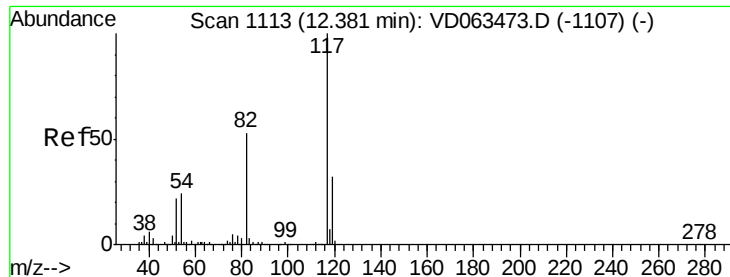
Tgt Ion: 43 Resp: 4585
 Ion Ratio Lower Upper
 43 100
 58 75.8 28.0 42.0#



#62
 4-Bromofluorobenzene
 Concen: 40.281 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063723.D
 Acq: 21 Aug 2019 19:55

Tgt Ion: 95 Resp: 259007
 Ion Ratio Lower Upper
 95 100
 174 81.6 0.0 155.4
 176 79.5 0.0 152.4

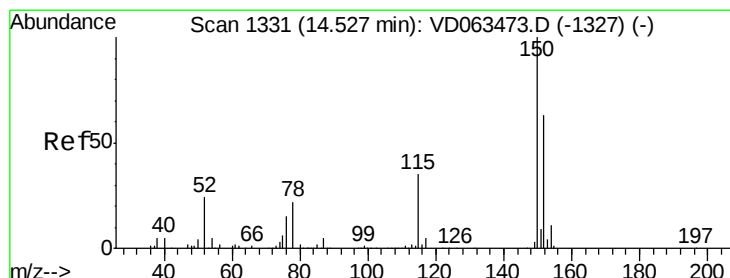
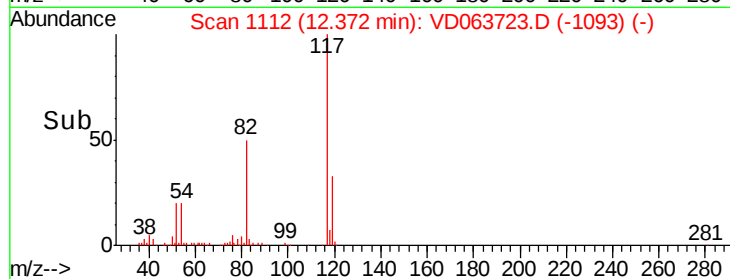
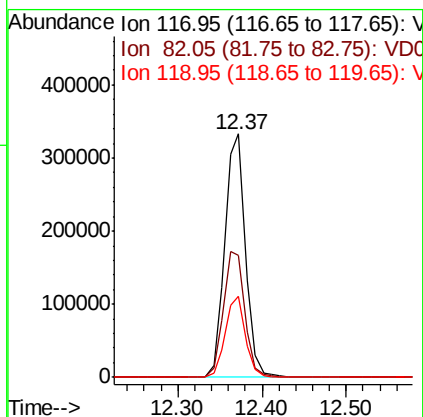
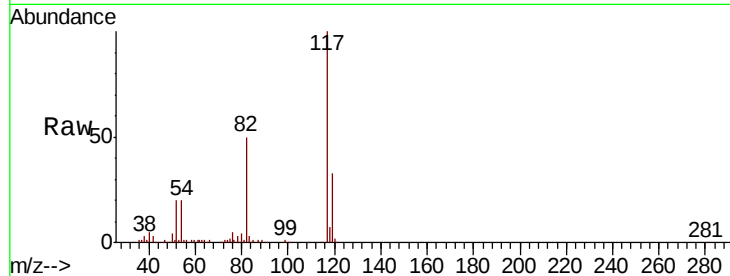




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063723.D
Acq: 21 Aug 2019 19:55

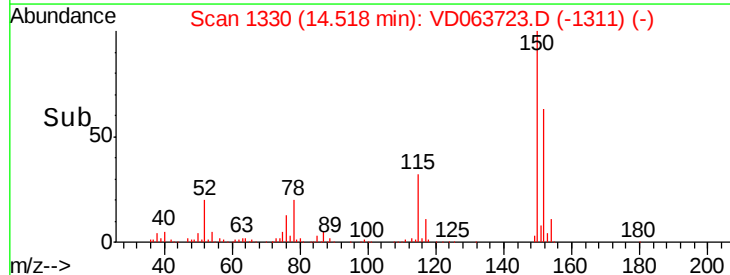
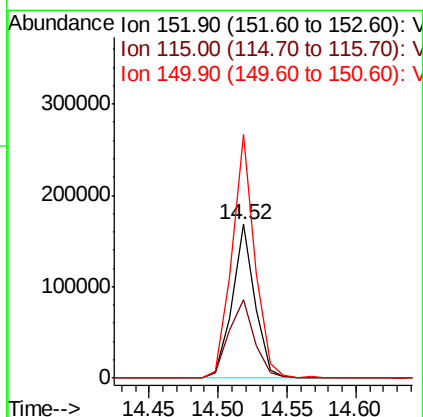
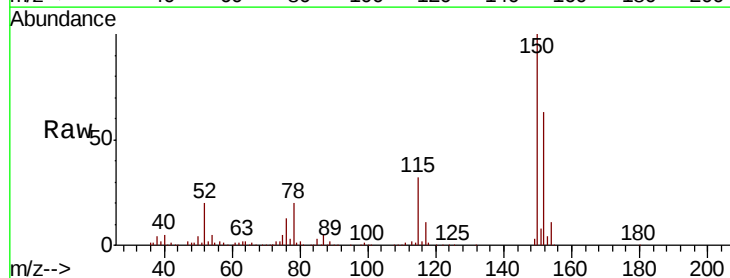
Instrument :
MSVOA_D
ClientSampleId :
SUNSET-PARK-SB-6-7.5-8.0

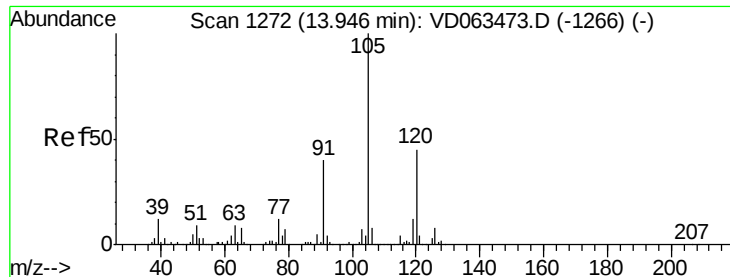
Tgt Ion:117 Resp: 565632
Ion Ratio Lower Upper
117 100
82 49.9 42.0 63.0
119 33.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063723.D
Acq: 21 Aug 2019 19:55

Tgt Ion:152 Resp: 192087
Ion Ratio Lower Upper
152 100
115 51.5 30.9 92.7
150 158.6 0.0 318.6

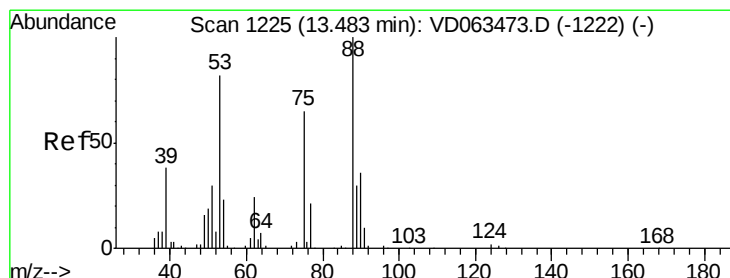
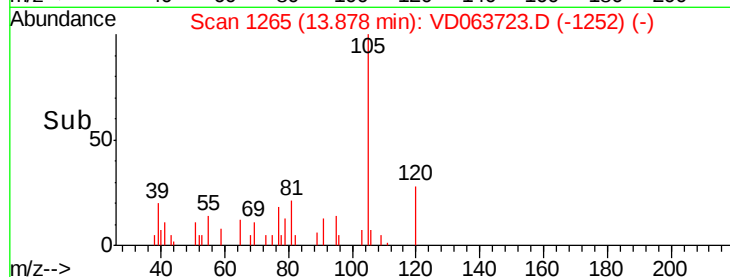
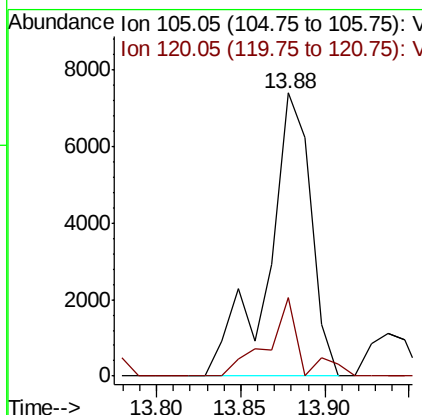
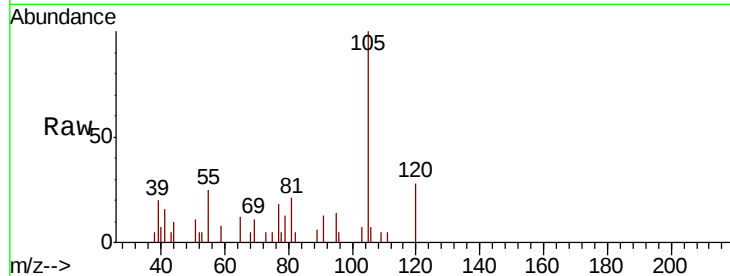




#80
 1,3,5-Trimethylbenzene
 Concen: 1.219 ug/l
 RT: 13.88 min Scan# 1265
 Delta R.T. -0.07 min
 Lab File: VD063723.D
 Acq: 21 Aug 2019 19:55

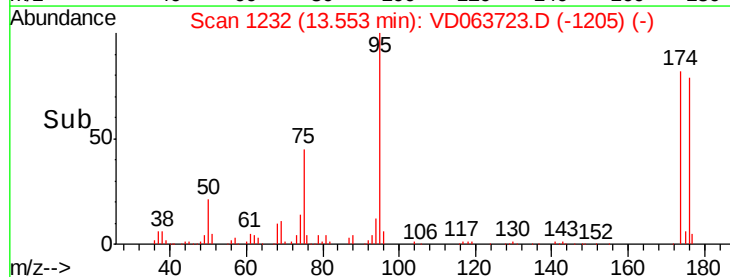
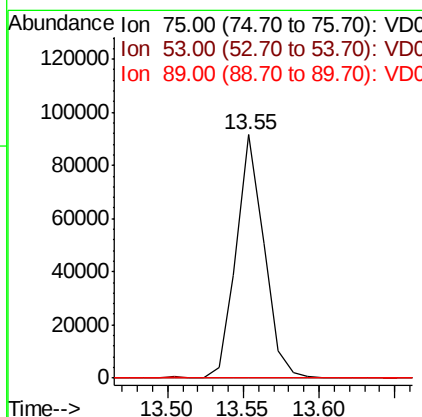
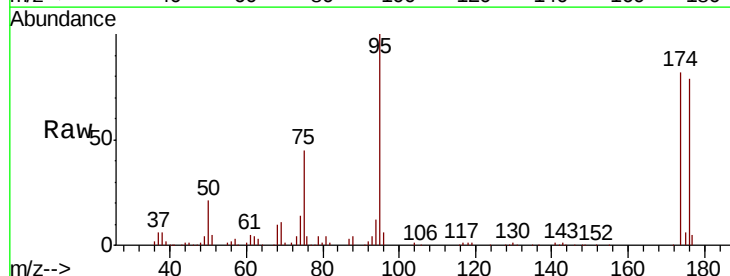
Instrument :
 MSVOA_D
 ClientSampleId :
 SUNSET-PARK-SB-6-7.5-8.0

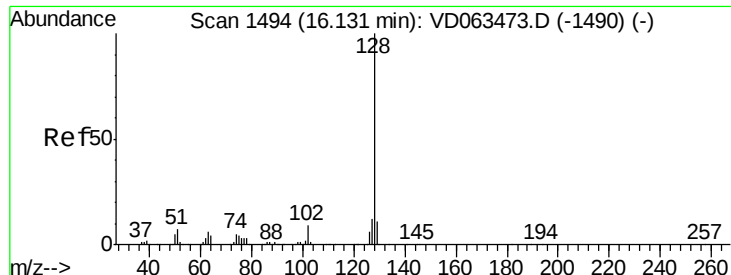
Tgt Ion: 105 Resp: 13014
 Ion Ratio Lower Upper
 105 100
 120 27.8 22.8 68.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 196.862 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD063723.D
 Acq: 21 Aug 2019 19:55

Tgt Ion: 75 Resp: 116644
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.0 151.4#
 89 0.0 37.0 55.6#





#95
Naphthalene
Concen: 5.508 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063723.D
Acq: 21 Aug 2019 19:55

Instrument :
MSVOA_D
ClientSampleId :
SUNSET-PARK-SB-6-7.5-8.0

Tgt Ion:128 Resp: 31477
Ion Ratio Lower Upper
128 100
127 13.3 9.4 14.0
129 15.4 8.5 12.7#

