

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063587.D
 Acq On : 14 Aug 2019 21:14
 Operator : JC/SY
 Sample : K4324-03RE
 Misc : 5.53g/5ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampled :

Quant Time: Aug 15 12:02:51 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	7.05	168	52286	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	86085	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	92968	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	51142	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	51387	91.94	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	183.88%	
35) Dibromofluoromethane	6.92	113	40614	56.02	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	112.04%	
50) Toluene-d8	10.41	98	69631	43.68	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	87.36%	
62) 4-Bromofluorobenzene	13.55	95	37041	51.27	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.54%	

Target Compounds

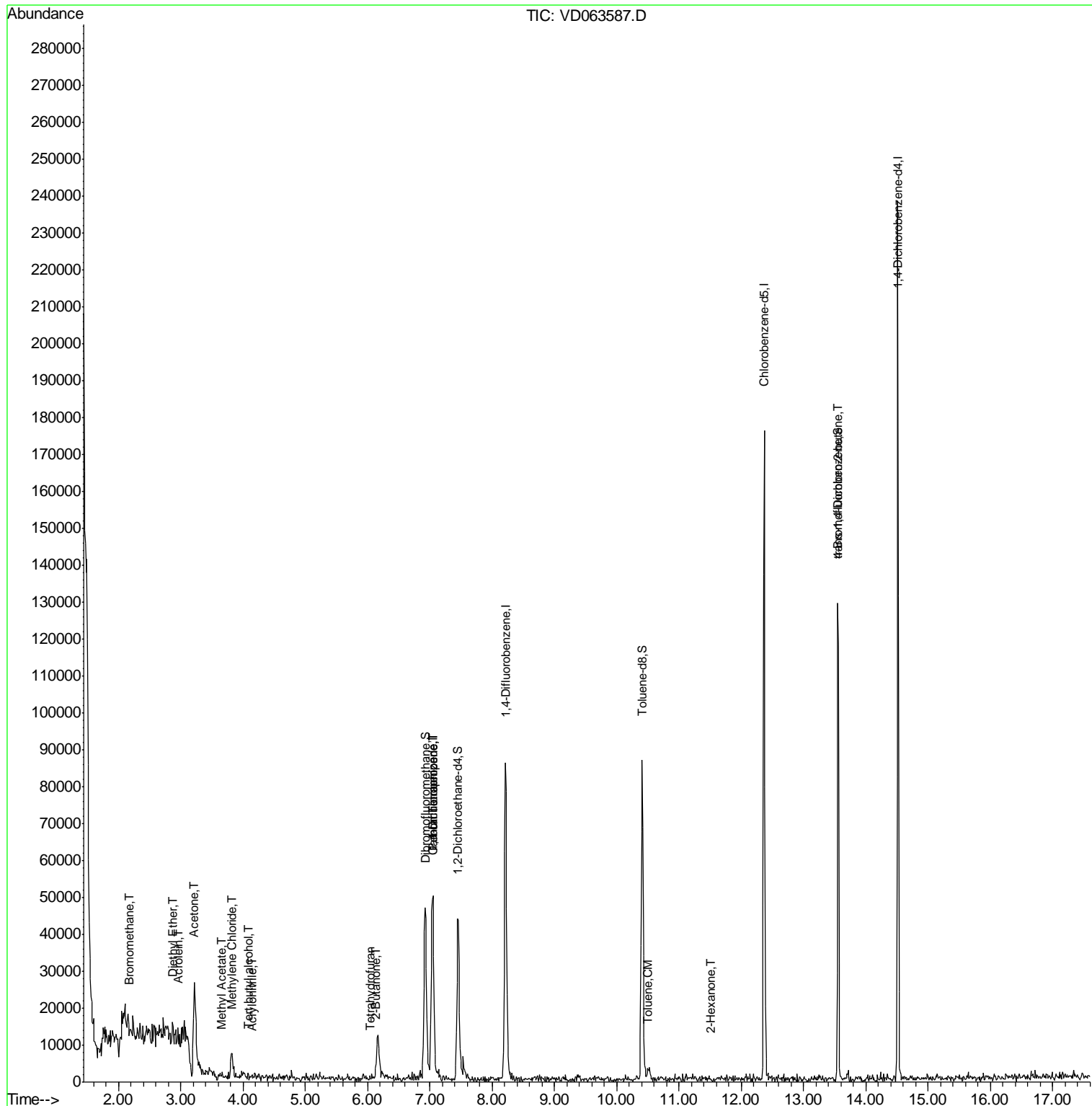
						Qvalue
5) Bromomethane	2.18	94	2197	9.490	ug/l #	14
8) Diethyl Ether	2.88	74	396	2.914	ug/l #	1
11) Tert butyl alcohol	4.08	59	572	23.510	ug/l #	71
13) Acrolein	2.95	56	255	10.648	ug/l	92
15) Acrylonitrile	4.13	53	188	2.917	ug/l #	11
16) Acetone	3.22	43	51627	454.412	ug/l #	88
18) Methyl Acetate	3.65	43	1247	5.795	ug/l #	57
20) Methylene Chloride	3.83	84	4060	8.264	ug/l #	45
25) 2-Butanone	6.13	43	207	1.845	ug/l #	58
29) Tetrahydrofuran	6.03	42	183	3.500	ug/l #	35
36) 1,1-Dichloropropene	7.05	75	2841	3.733	ug/l #	42
38) Carbon Tetrachloride	7.03	117	4908	4.279	ug/l #	13
52) Toluene	10.51	92	2573	2.385	ug/l #	33
59) 2-Hexanone	11.51	43	305	1.434	ug/l #	30
81) trans-1,4-Dichloro-2-buten	13.55	75	17856	113.189	ug/l #	1

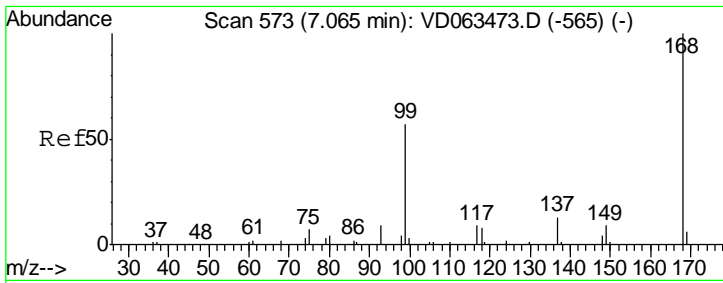
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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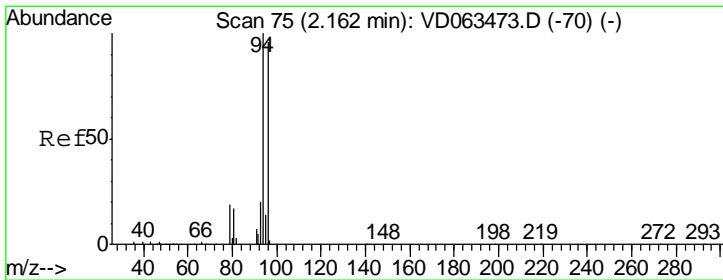
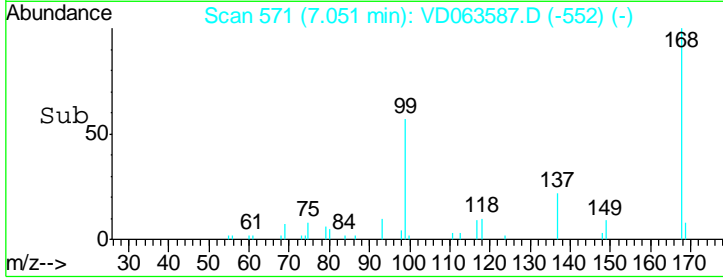
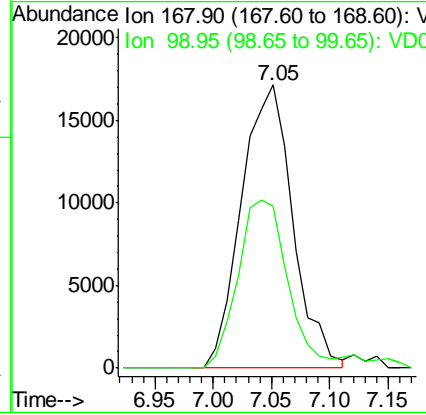
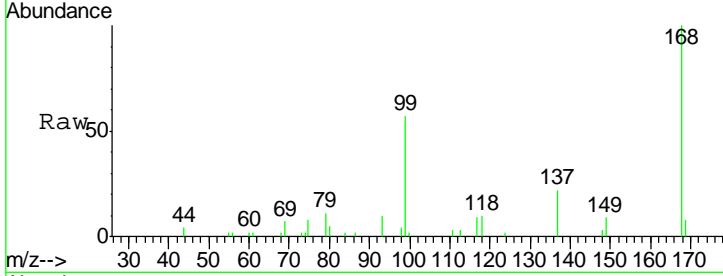




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.01 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

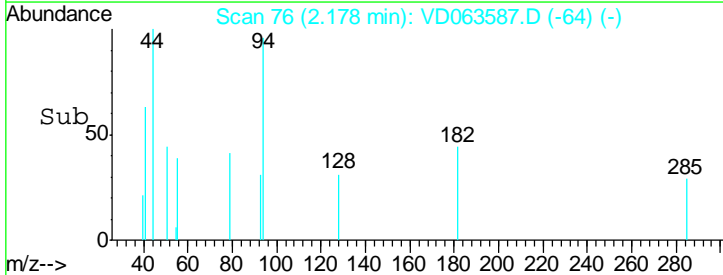
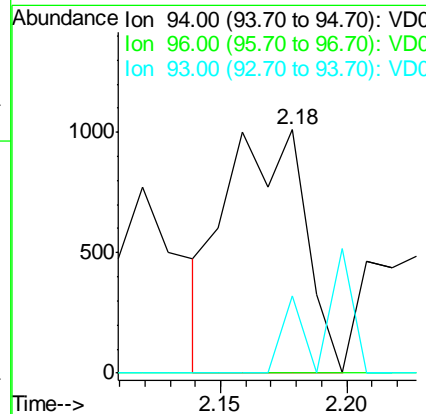
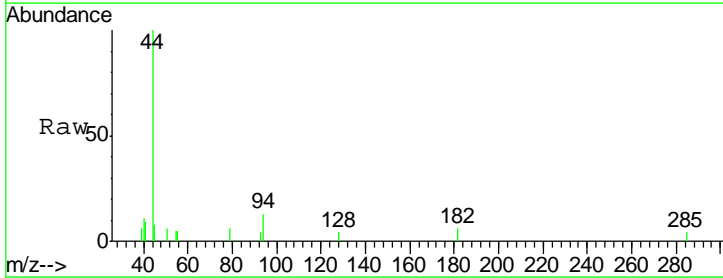
Instrument :
 MSVOA_D
 ClientSampled :

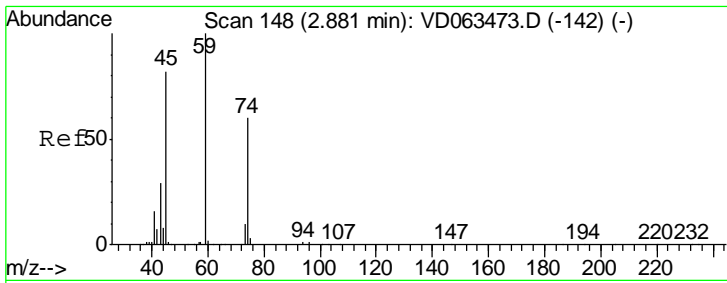
Tgt Ion	Resp	Lower	Upper
168	100		
99	57.2	46.7	70.1



#5
 Bromomethane
 Concen: 9.490 ug/l
 RT: 2.18 min Scan# 76
 Delta R.T. 0.02 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

Tgt Ion	Resp	Lower	Upper
94	100		
96	0.0	76.5	114.7#
93	31.9	15.8	23.8#

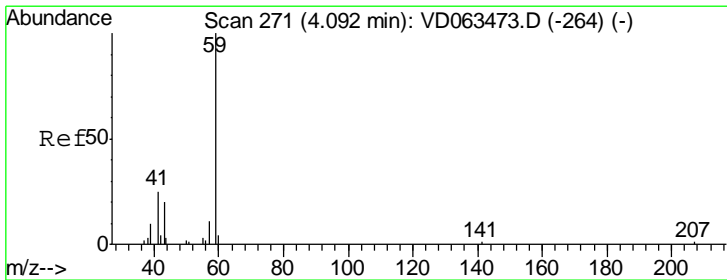
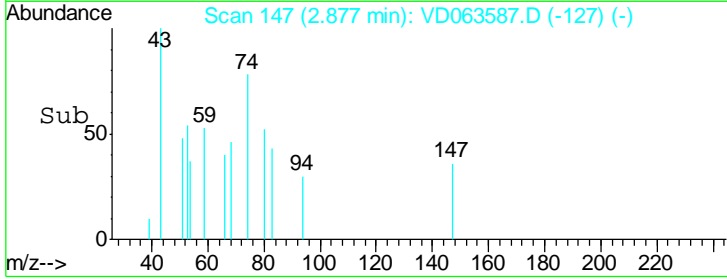
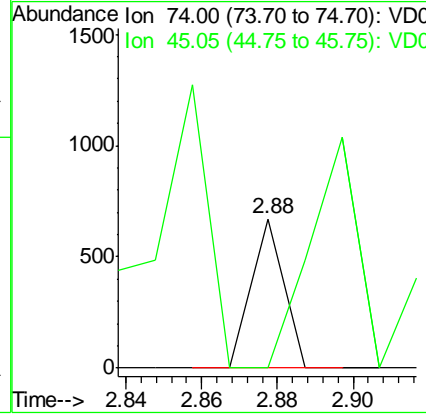
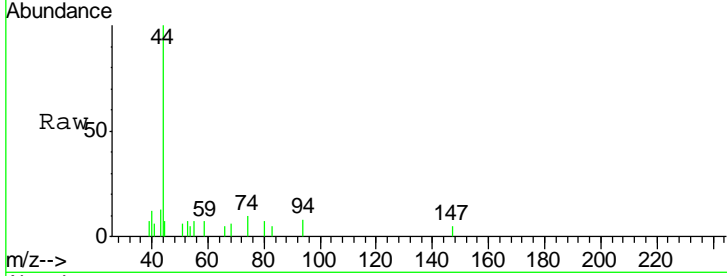




#8
 Diethyl Ether
 Concen: 2.914 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

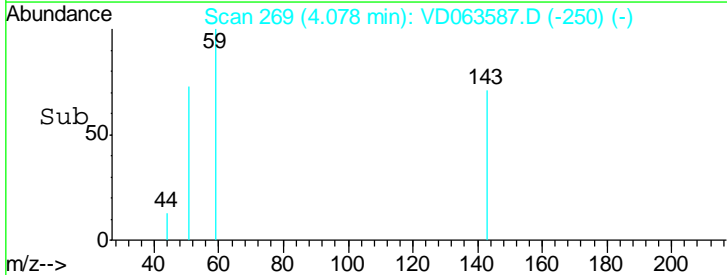
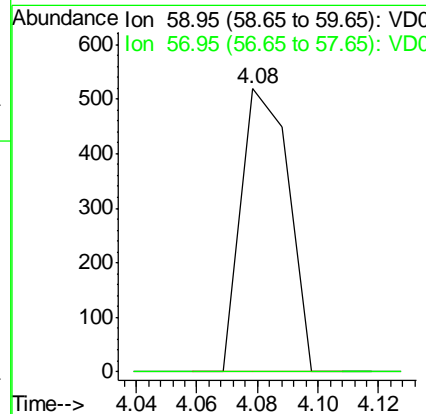
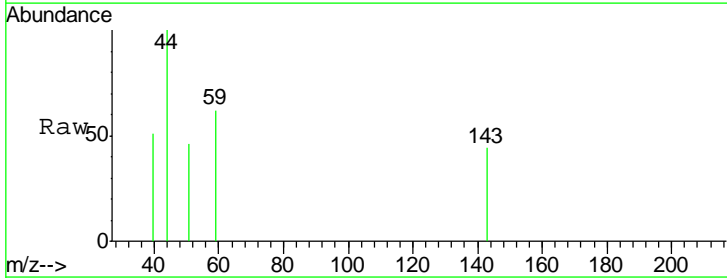
Instrument :
 MSVOA_D
 ClientSampled :

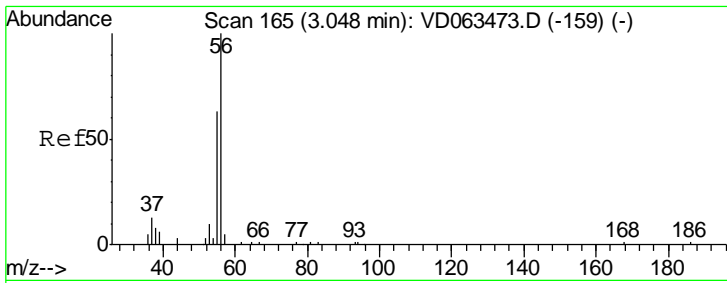
Tgt Ion: 74 Resp: 396
 Ion Ratio Lower Upper
 74 100
 45 0.0 68.5 205.5#



#11
 Tert butyl alcohol
 Concen: 23.510 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. -0.01 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

Tgt Ion: 59 Resp: 572
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

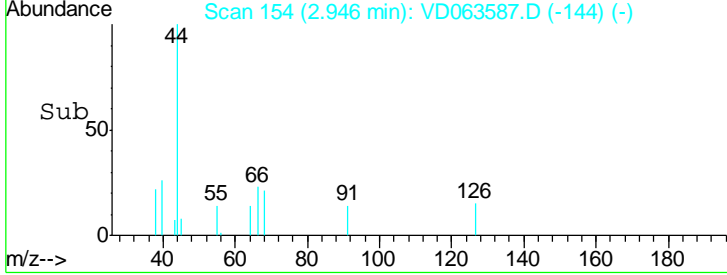
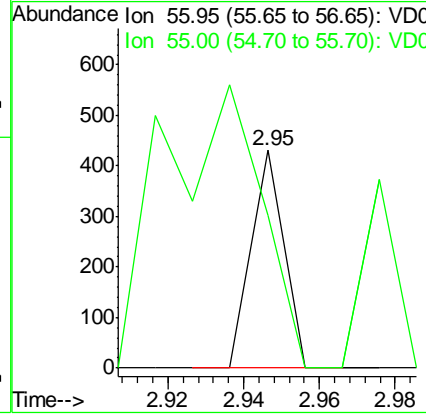
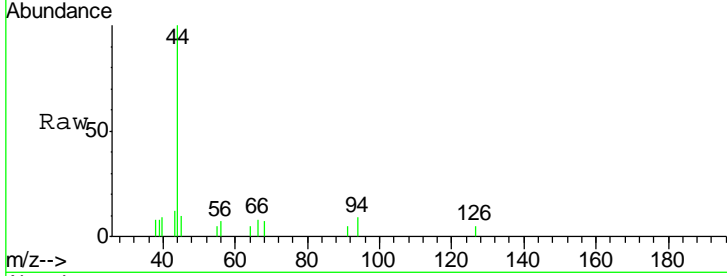




#13
 Acrolein
 Concen: 10.648 ug/l
 RT: 2.95 min Scan# 154
 Delta R.T. -0.10 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

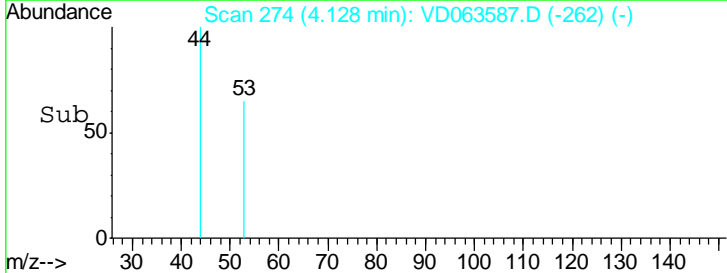
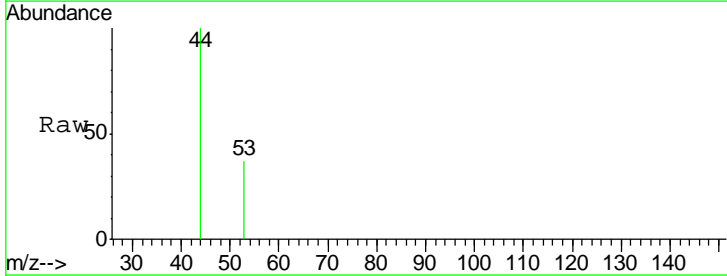
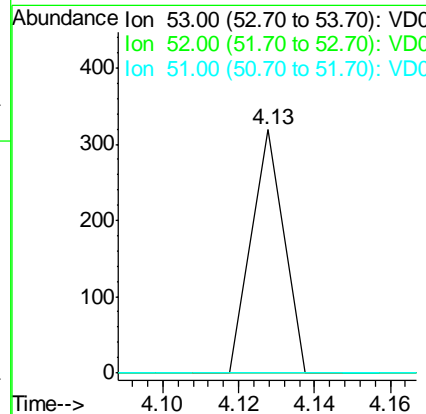
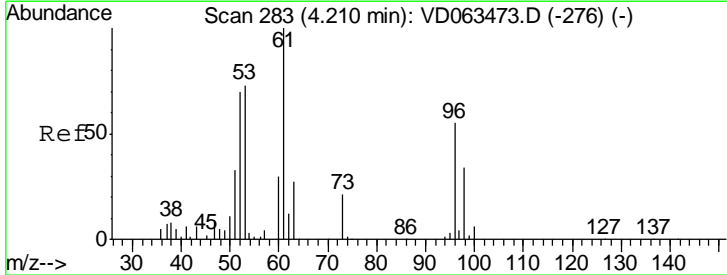
Instrument :
 MSVOA_D
 ClientSampled :

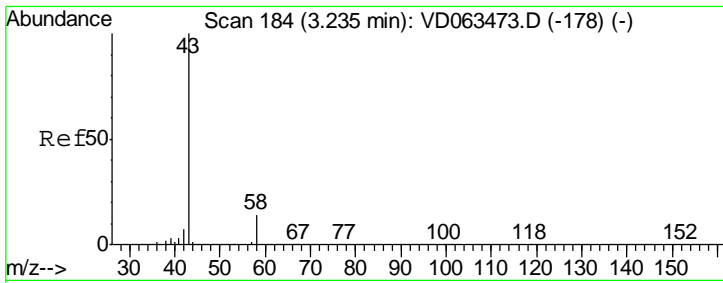
Tgt Ion	Resp	Lower	Upper
56	100		
55	70.1	51.3	76.9



#15
 Acrylonitrile
 Concen: 2.917 ug/l
 RT: 4.13 min Scan# 274
 Delta R.T. -0.08 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

Tgt Ion	Resp	Lower	Upper
53	100		
52	0.0	77.4	116.0#
51	0.0	36.7	55.1#

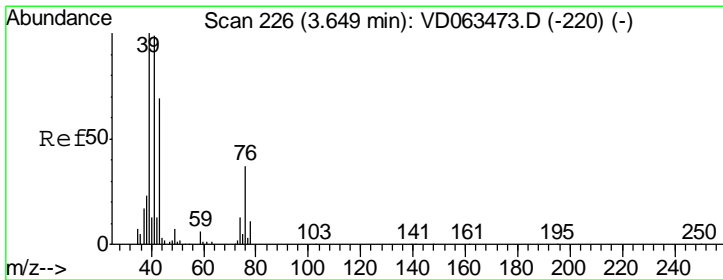
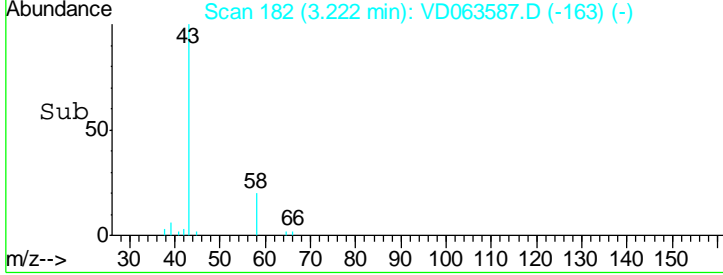
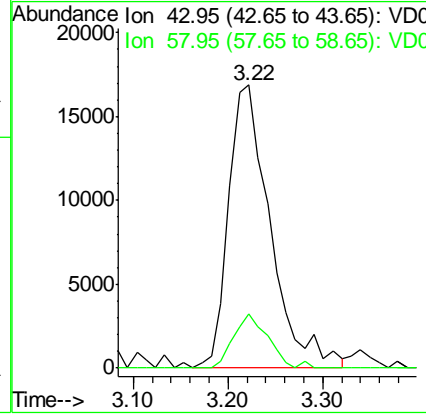
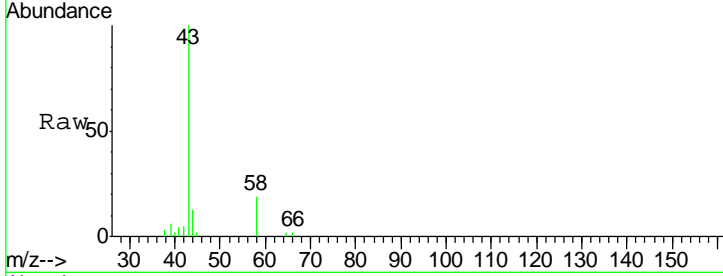




#16
 Acetone
 Concen: 454.412 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

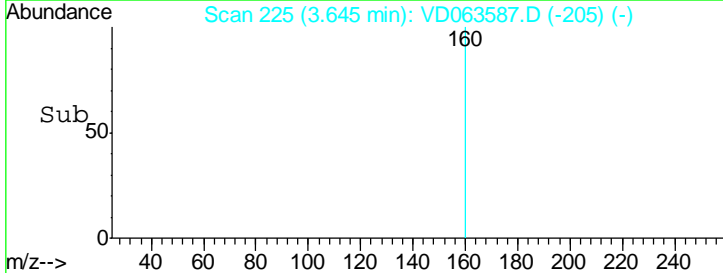
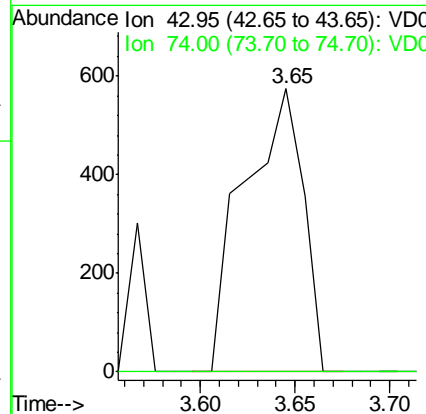
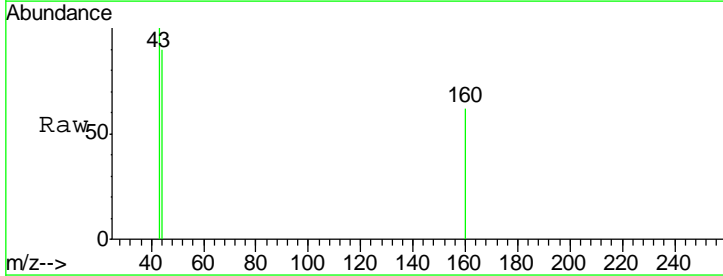
Instrument :
 MSVOA_D
 ClientSampled :

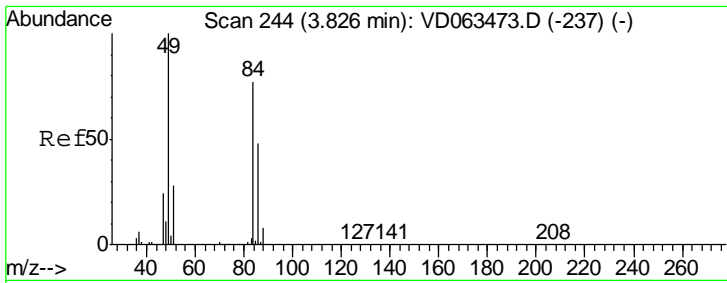
Tgt Ion	Resp	Lower	Upper
43	100		
58	19.1	11.4	17.2#



#18
 Methyl Acetate
 Concen: 5.795 ug/l
 RT: 3.65 min Scan# 225
 Delta R.T. -0.00 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

Tgt Ion	Resp	Lower	Upper
43	100		
74	0.0	15.4	23.2#

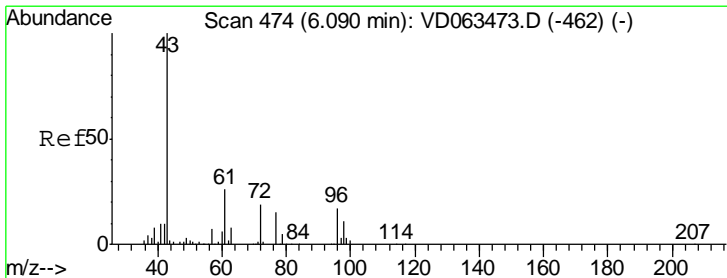
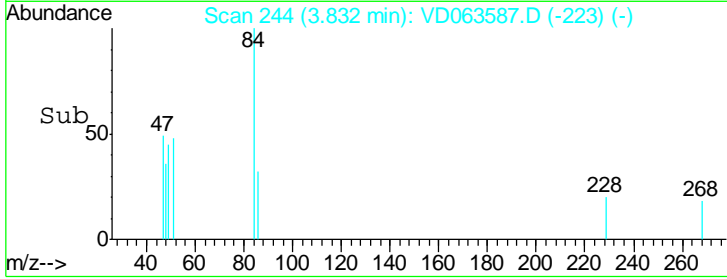
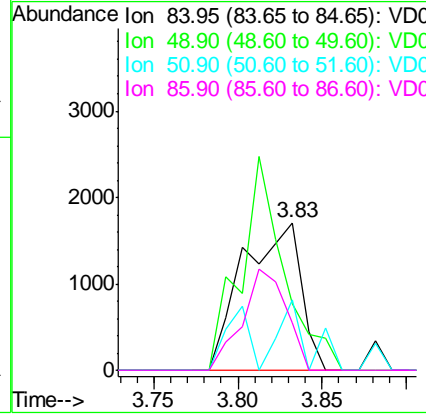
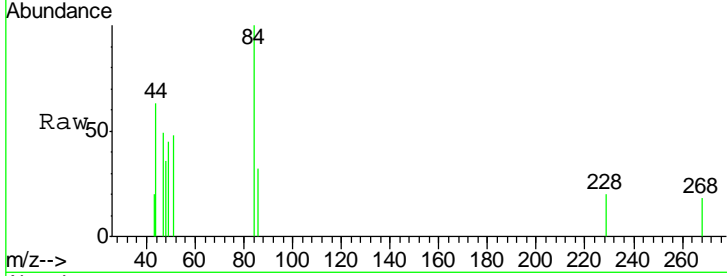




#20
Methylene Chloride
Concen: 8.264 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD063587.D
Acq: 14 Aug 2019 21:14

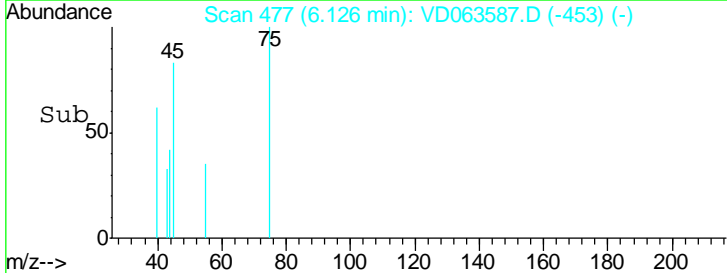
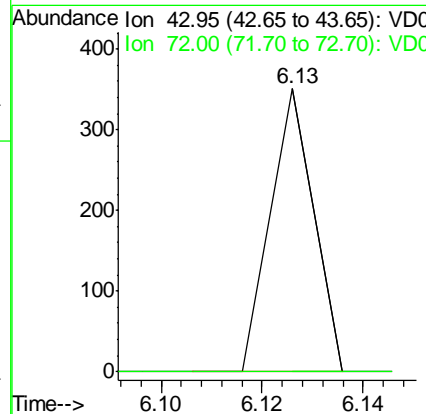
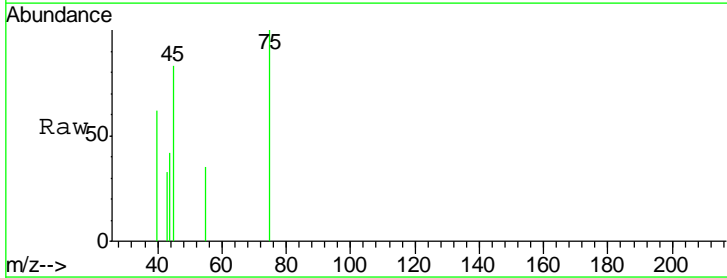
Instrument :
MSVOA_D
ClientSampled :

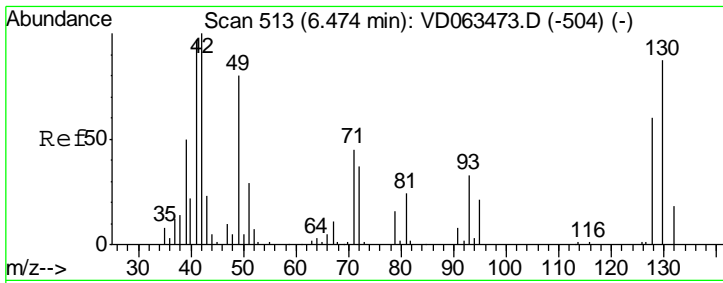
Tgt Ion	Resp	Lower	Upper
84	4060		
49	45.3	103.4	155.2#
51	47.6	28.5	42.7#
86	31.9	49.4	74.2#



#25
2-Butanone
Concen: 1.845 ug/l
RT: 6.13 min Scan# 477
Delta R.T. 0.04 min
Lab File: VD063587.D
Acq: 14 Aug 2019 21:14

Tgt Ion	Resp	Lower	Upper
43	207		
72	0.0	15.1	22.7#

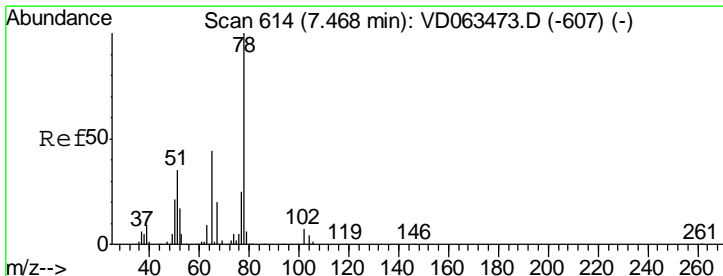
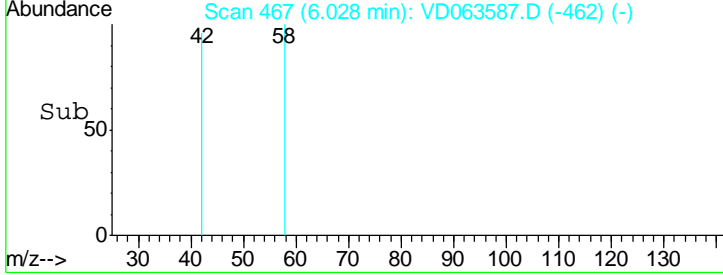
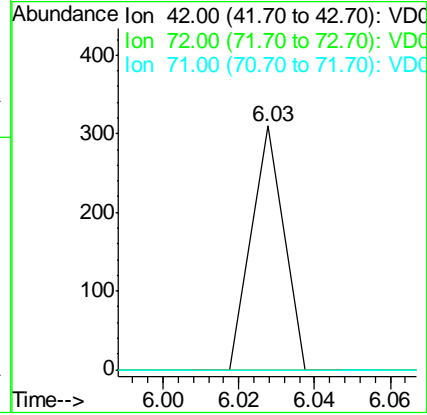
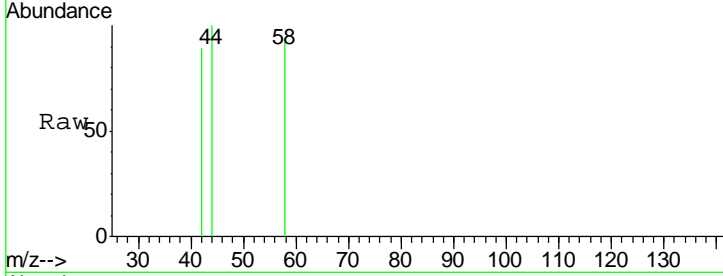




#29
 Tetrahydrofuran
 Concen: 3.500 ug/l
 RT: 6.03 min Scan# 467
 Delta R.T. -0.45 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

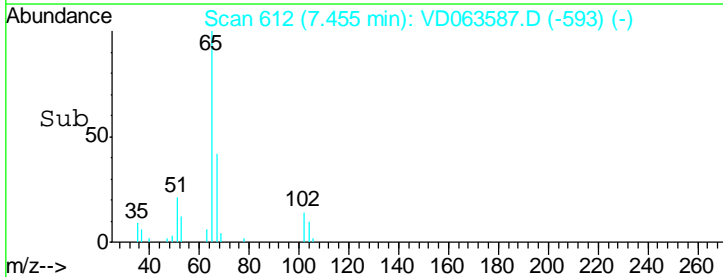
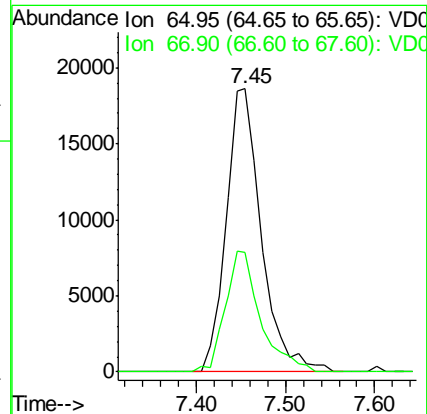
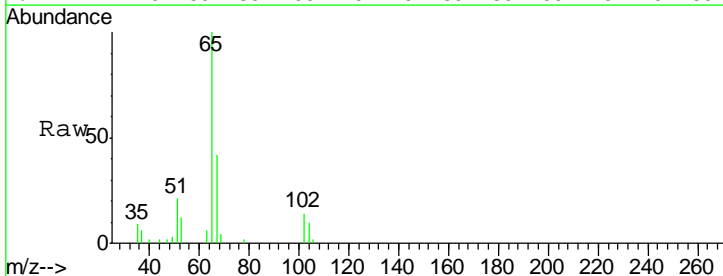
Instrument :
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 ClientSampled :

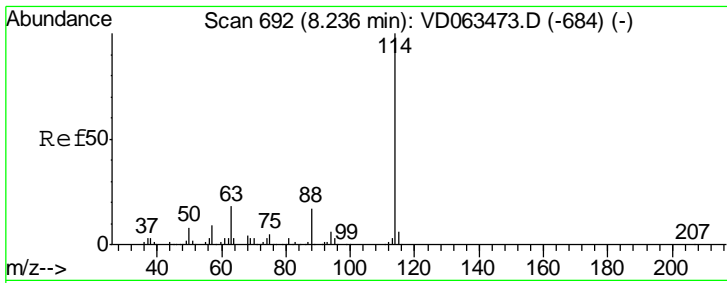
Tgt Ion	Resp	Lower	Upper
42	183		
72	0.0	31.5	47.3#
71	0.0	33.8	50.8#



#33
 1,2-Dichloroethane-d4
 Concen: 91.944 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

Tgt Ion	Resp	Lower	Upper
65	51387		
67	42.2	0.0	89.2

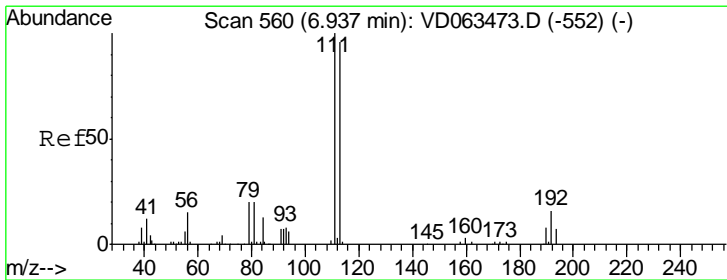
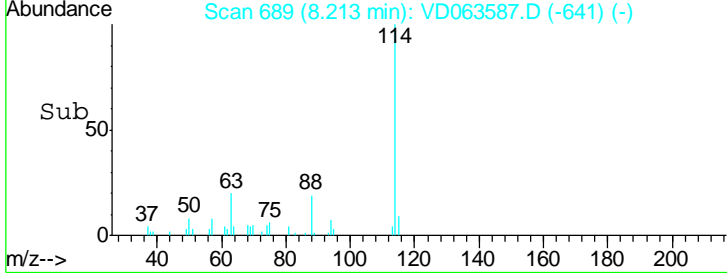
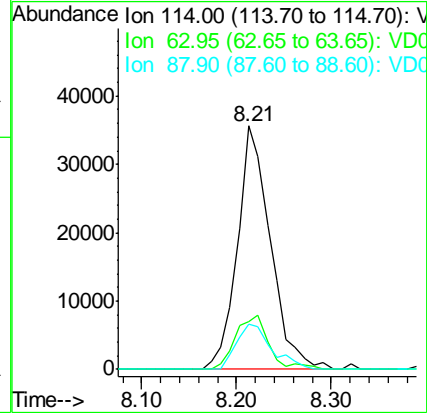
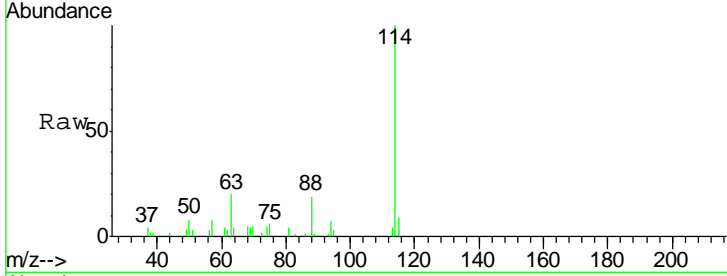




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

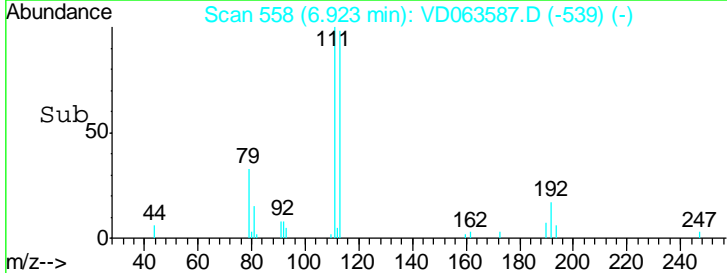
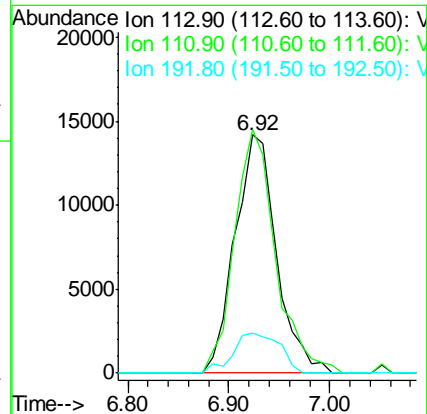
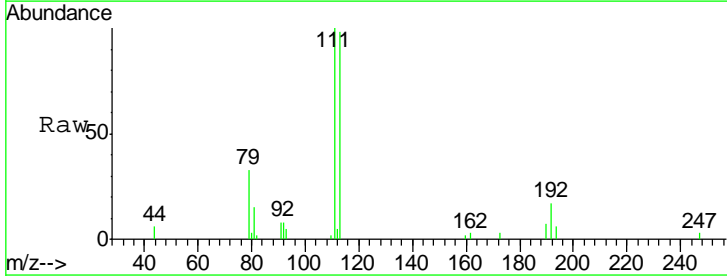
Instrument :
 MSVOA_D
 ClientSampled :

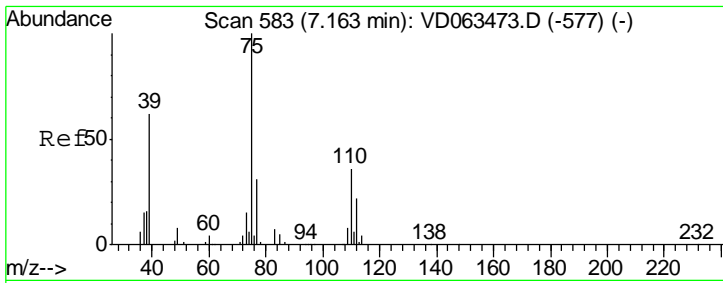
Tgt Ion	Resp	Lower	Upper
114	100		
63	19.6	0.0	36.2
88	18.7	0.0	35.0



#35
 Dibromofluoromethane
 Concen: 56.018 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

Tgt Ion	Resp	Lower	Upper
113	100		
111	102.1	83.1	124.7
192	17.0	13.1	19.7

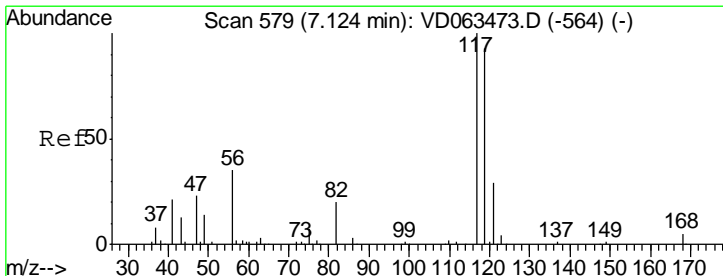
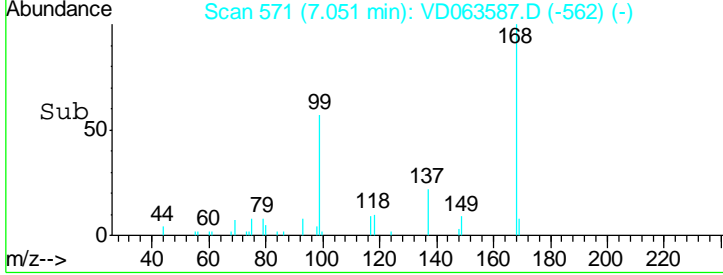
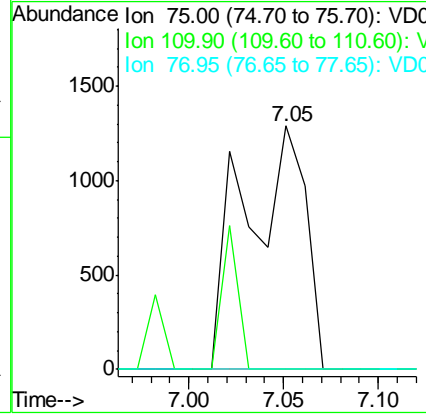
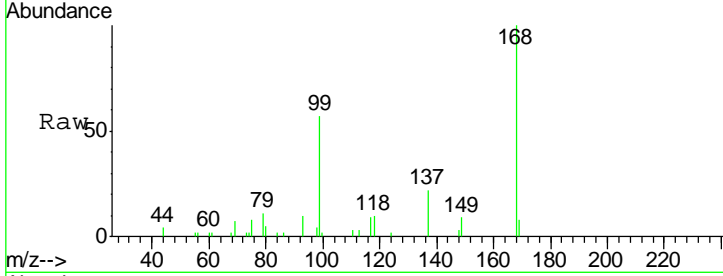




#36
 1,1-Dichloropropene
 Concen: 3.733 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.11 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

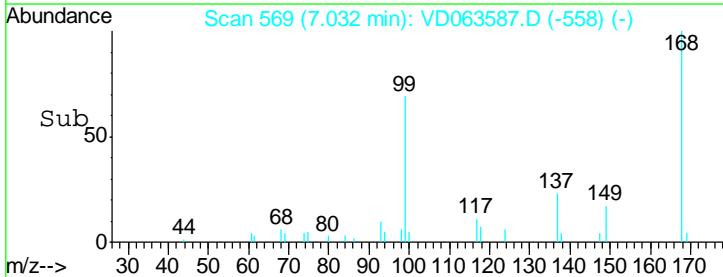
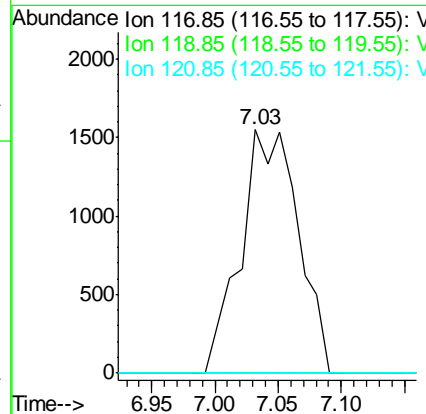
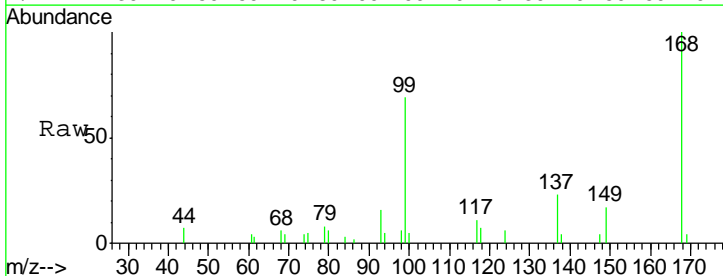
Instrument :
 MSVOA_D
 ClientSampled :

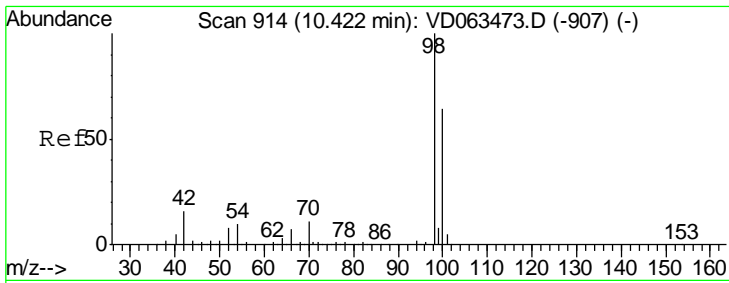
Tgt Ion	Resp	Lower	Upper
75	100		
110	0.0	17.6	52.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 4.279 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.09 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

Tgt Ion	Resp	Lower	Upper
117	100		
119	0.0	74.2	111.2#
121	0.0	23.1	34.7#

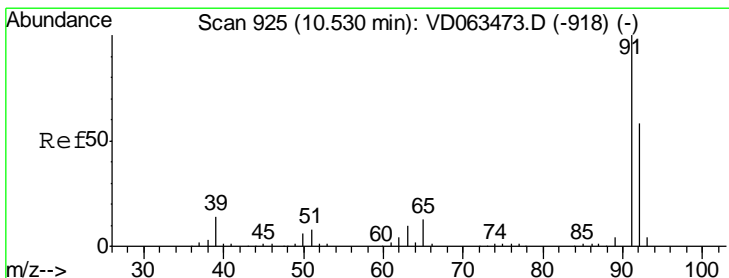
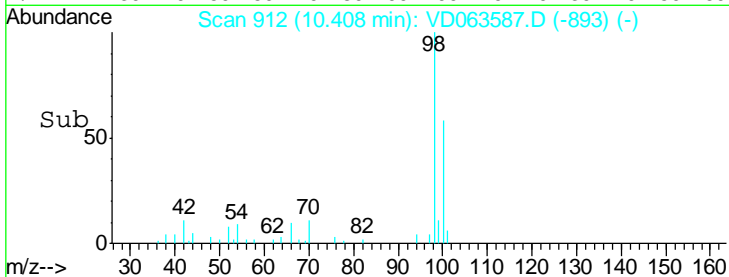
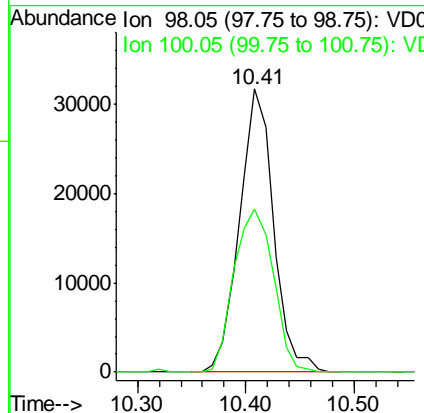
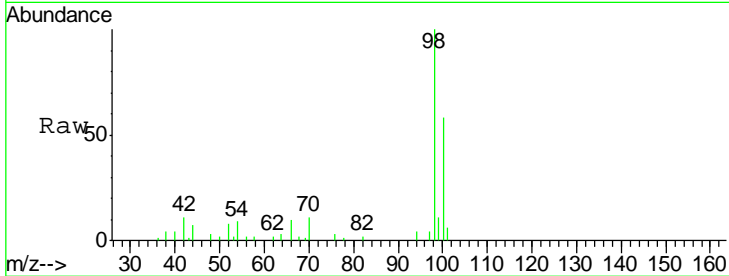




#50
 Toluene-d8
 Concen: 43.684 ug/l
 RT: 10.41 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

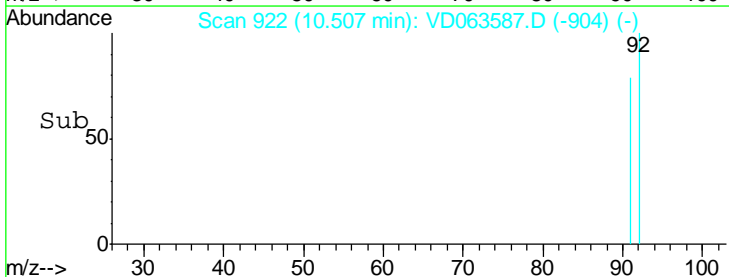
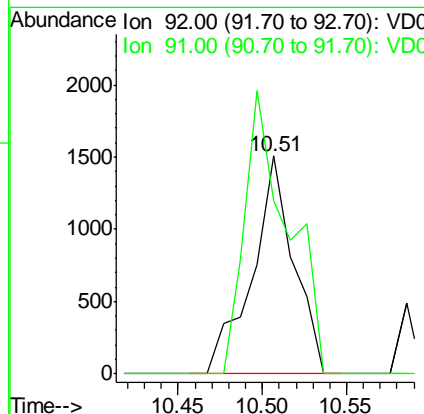
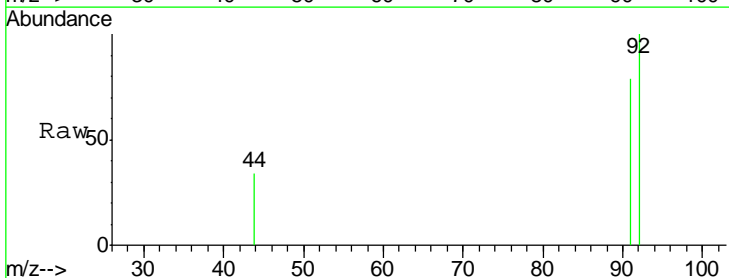
Instrument : MSVOA_D
 ClientSampled :

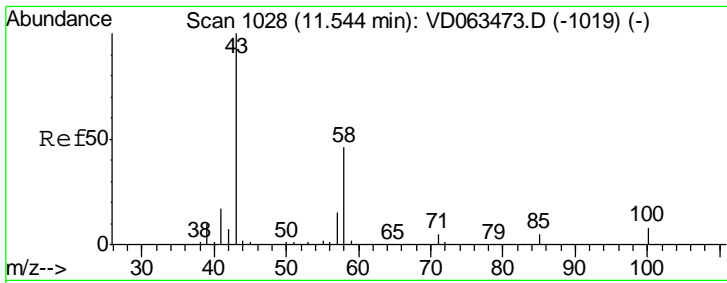
Tgt Ion	Resp	Lower	Upper
98	100		
100	57.5	51.7	77.5



#52
 Toluene
 Concen: 2.385 ug/l
 RT: 10.51 min Scan# 922
 Delta R.T. -0.02 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

Tgt Ion	Resp	Lower	Upper
92	100		
91	79.2	137.9	206.9#

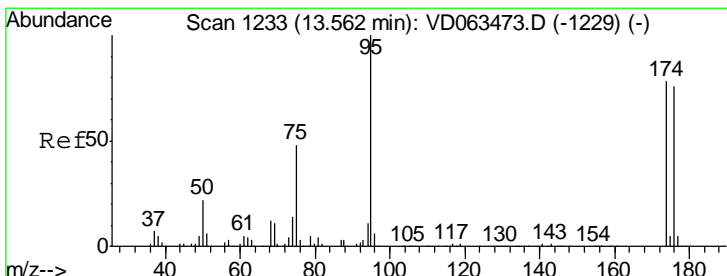
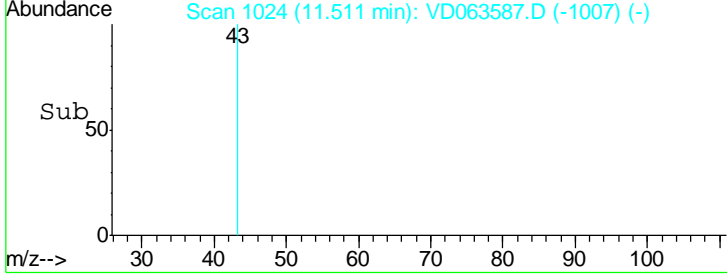
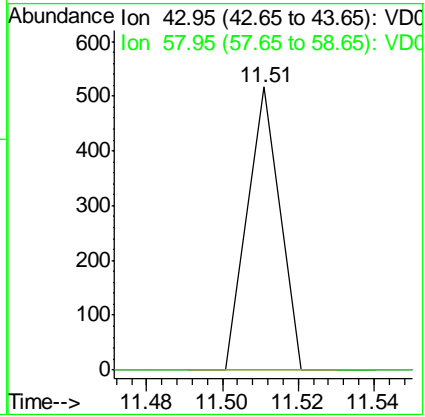
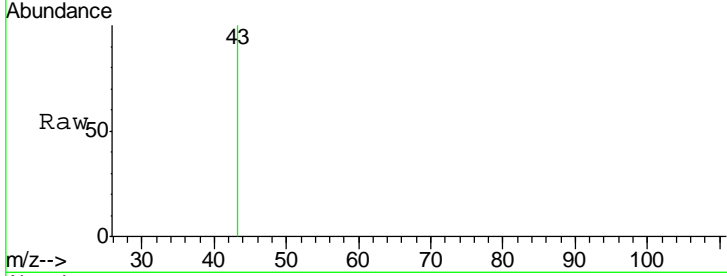




#59
 2-Hexanone
 Concen: 1.434 ug/l
 RT: 11.51 min Scan# 1024
 Delta R.T. -0.03 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

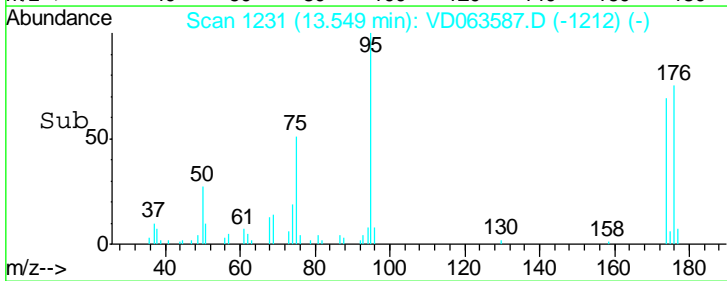
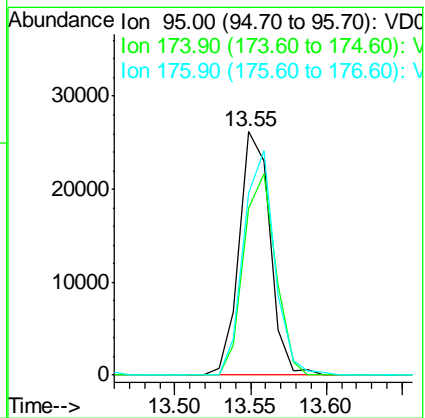
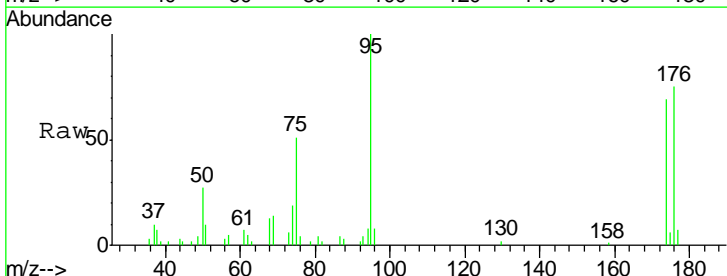
Instrument : MSVOA_D
 ClientSampled :

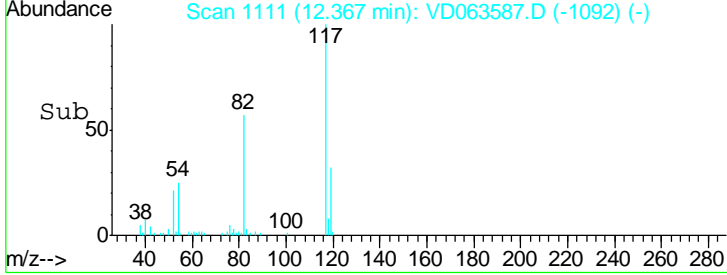
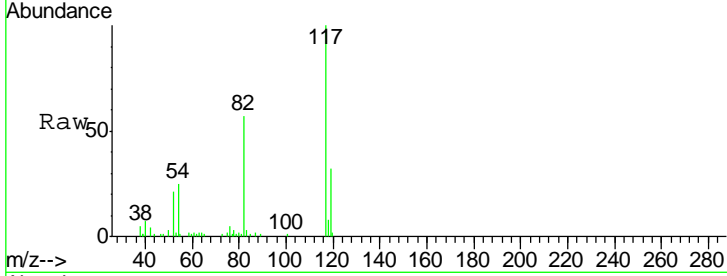
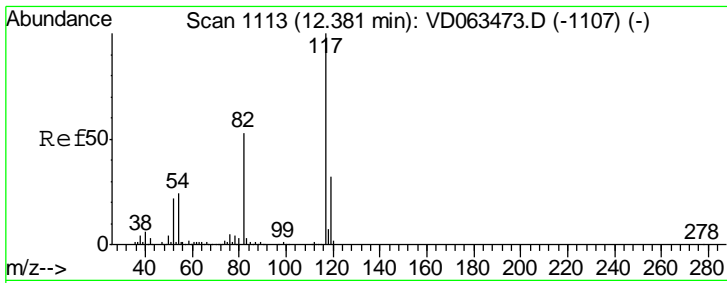
Tgt Ion	Resp	Lower	Upper
43	100		
58	0.0	23.1	69.2#



#62
 4-Bromofluorobenzene
 Concen: 51.271 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

Tgt Ion	Resp	Lower	Upper
95	100		
174	68.5	0.0	155.4
176	74.9	0.0	152.4

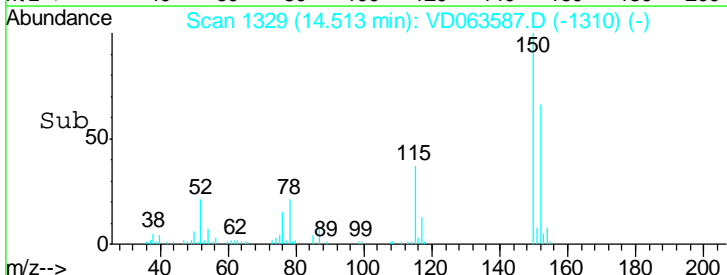
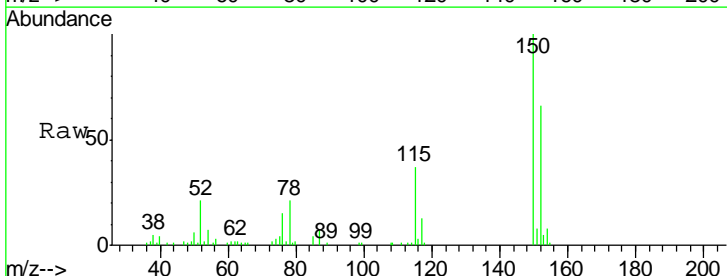
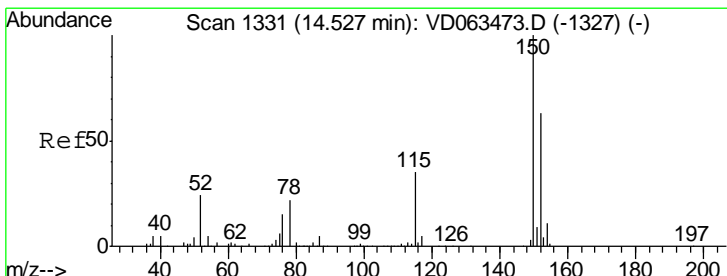
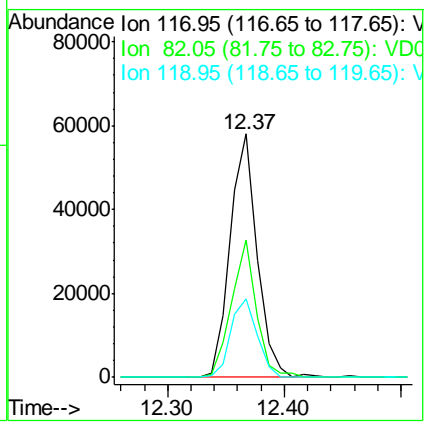




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.37 min Scan# 1111
 Delta R.T. -0.01 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

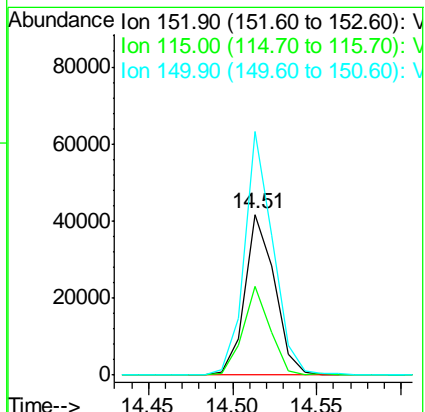
Instrument :
 MSVOA_D
 ClientSampled :

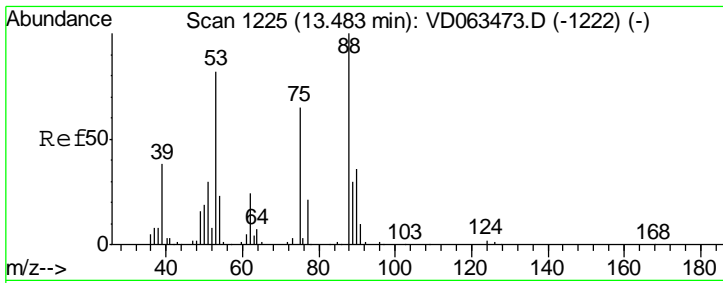
Tgt Ion	Resp	Lower	Upper
117	92968		
82	56.5	42.0	63.0
119	32.4	25.4	38.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

Tgt Ion	Resp	Lower	Upper
152	51142		
115	55.4	30.9	92.7
150	151.4	0.0	318.6

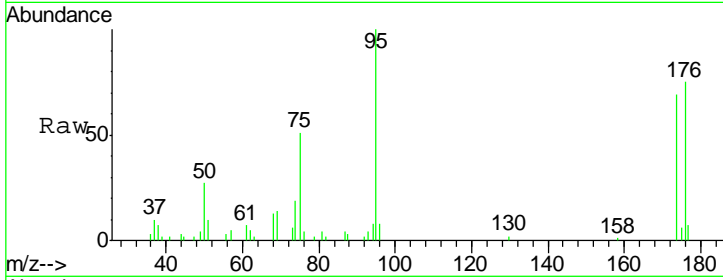




#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.189 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. 0.07 min
 Lab File: VD063587.D
 Acq: 14 Aug 2019 21:14

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Resp	Lower	Upper
75	17856		
53	0.0	101.0	151.4#
89	0.0	37.0	55.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 53.00 (52.70 to 53.70): VDC
 Ion 89.00 (88.70 to 89.70): VDC

