

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092721\
 Data File : VD070476.D
 Acq On : 27 Sep 2021 14:32
 Operator : VA/SY
 Sample : M3908-03
 Misc : 6.20G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SUP-UST-05-(6-8)

Quant Time: Sep 28 04:13:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

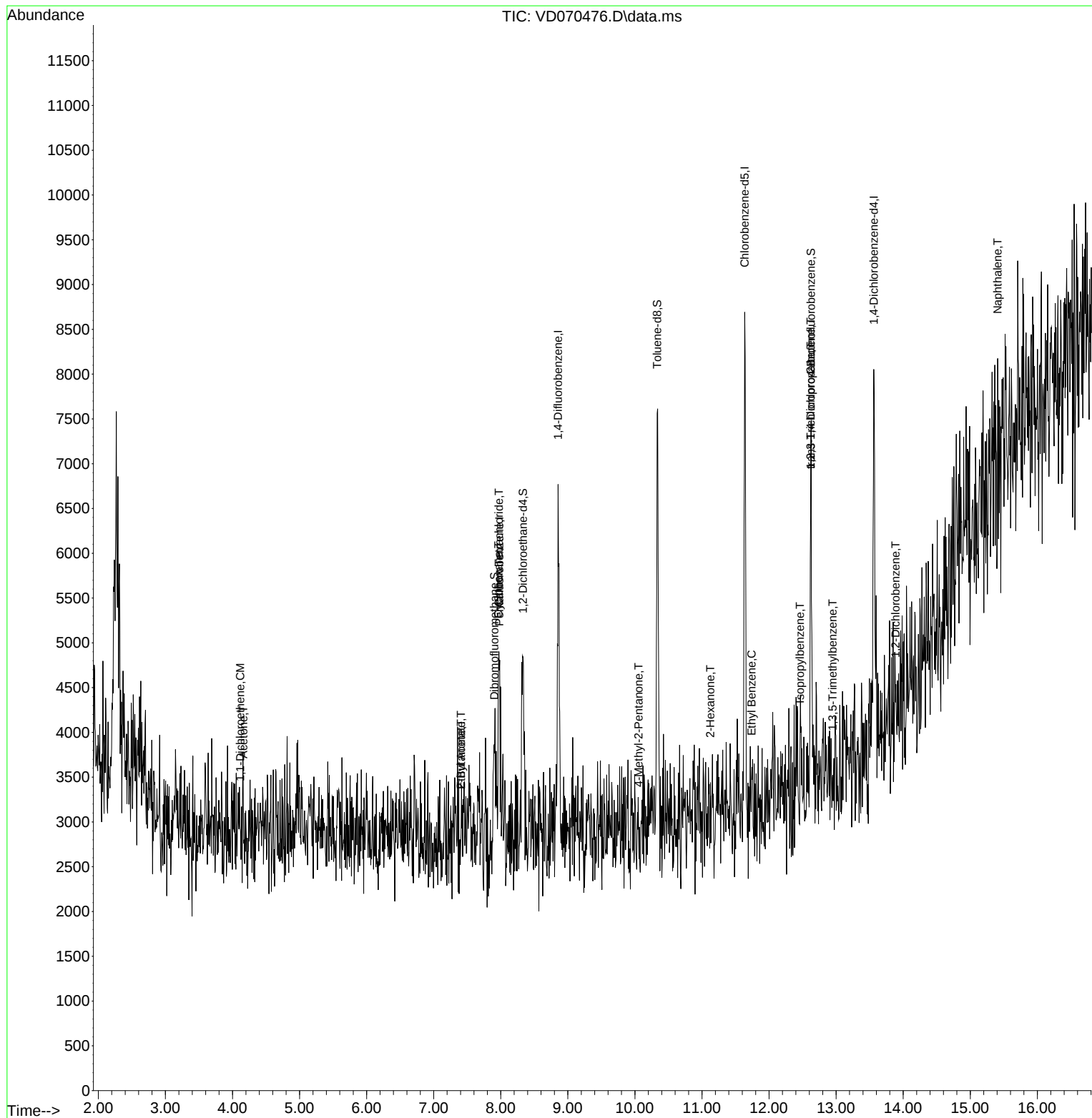
Internal Standards						
1) Pentafluorobenzene	7.979	168	1558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	3745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	3553	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	1256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	2095	104.723	ug/l	0.00
Spiked Amount 50.000	Range	50 - 163	Recovery	=	209.440%	#
35) Dibromofluoromethane	7.902	113	1187	44.528	ug/l	-0.01
Spiked Amount 50.000	Range	54 - 147	Recovery	=	89.060%	
50) Toluene-d8	10.332	98	3530	36.472	ug/l	0.00
Spiked Amount 50.000	Range	49 - 140	Recovery	=	72.940%	
62) 4-Bromofluorobenzene	12.626	95	1433	42.364	ug/l	0.00
Spiked Amount 50.000	Range	25 - 144	Recovery	=	84.720%	
Target Compounds						Qvalue
3) Chloromethane	2.203	50	71	Below Cal	#	42
5) Bromomethane	2.797	94	55	Below Cal	#	4
12) 1,1-Dichloroethene	4.114	96	73	4.025	ug/l #	1
16) Acetone	4.162	43	63	17.639	ug/l #	36
20) Methylene Chloride	4.961	84	133	Below Cal	#	77
25) 2-Butanone	7.408	43	67	14.092	ug/l #	47
31) Cyclohexane	7.967	56	131	3.801	ug/l #	14
37) Ethyl Acetate	7.408	43	67	4.476	ug/l #	65
38) Carbon Tetrachloride	7.973	117	139	3.511	ug/l #	12
51) 4-Methyl-2-Pentanone	10.055	43	56	3.910	ug/l #	32
59) 2-Hexanone	11.126	43	58	6.070	ug/l #	20
67) Ethyl Benzene	11.738	91	138	1.087	ug/l #	44
73) Isopropylbenzene	12.461	105	263	2.986	ug/l #	49
76) 1,2,3-Trichloropropane	12.620	75	615	48.408	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.949	105	96	1.263	ug/l #	29
81) trans-1,4-Dichloro-2-b...	12.620	75	615	121.290	ug/l #	17
91) 1,2-Dichlorobenzene	13.885	146	55	1.473	ug/l #	24
95) Naphthalene	15.408	128	77	2.102	ug/l #	69

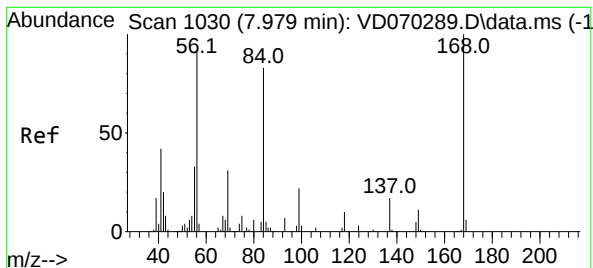
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD070476.D

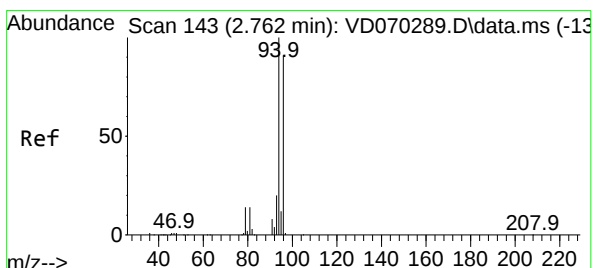
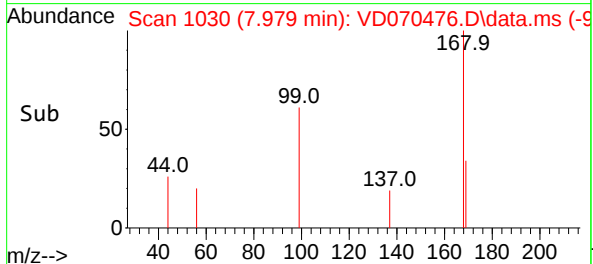
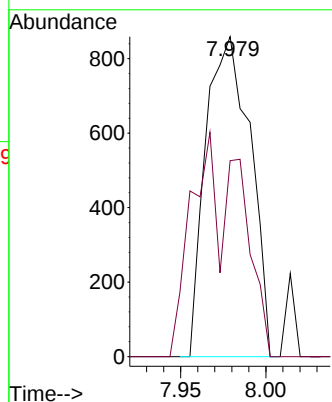
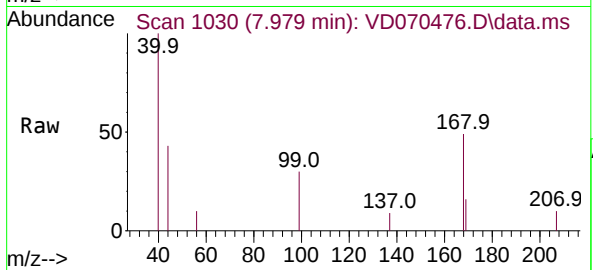
Acq: 27 Sep 2021 14:32

Tgt Ion:168 Resp: 1558

Ion Ratio Lower Upper

168 100

99 61.2 50.8 76.2



#5

Bromomethane

Concen: Below Cal

RT: 2.797 min Scan# 149

Delta R.T. 0.035 min

Lab File: VD070476.D

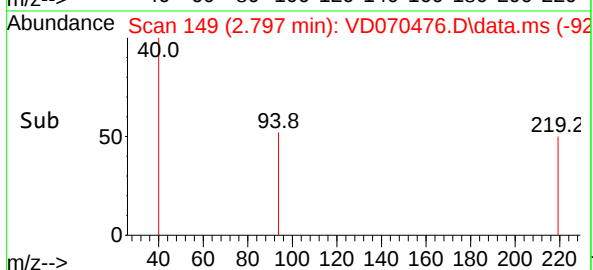
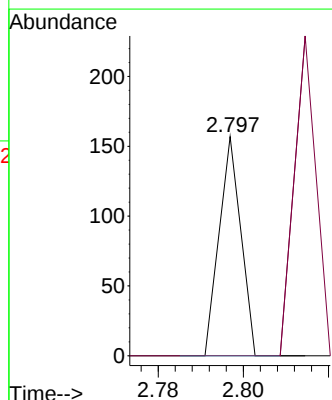
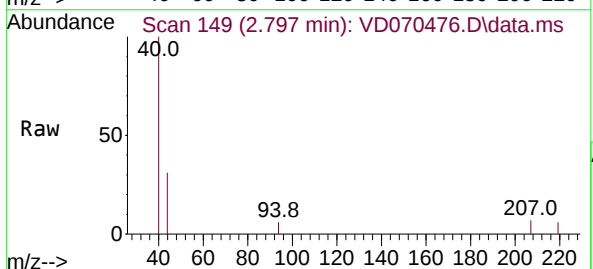
Acq: 27 Sep 2021 14:32

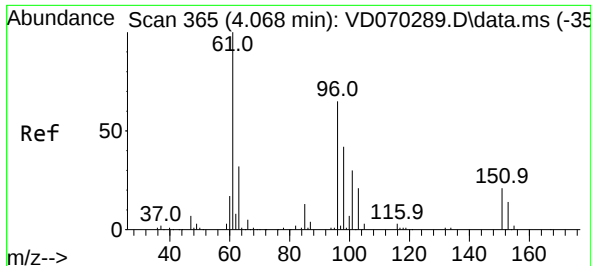
Tgt Ion: 94 Resp: 55

Ion Ratio Lower Upper

94 100

96 0.0 73.0 109.6#

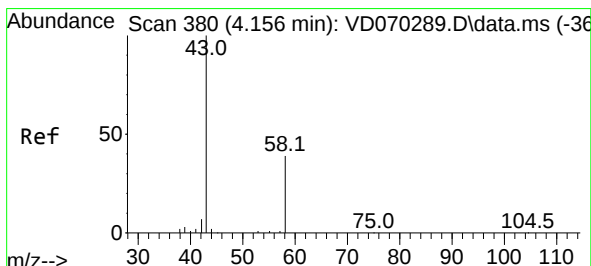
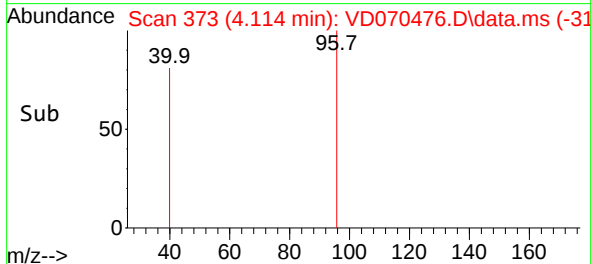
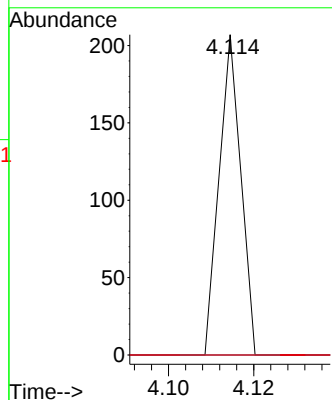
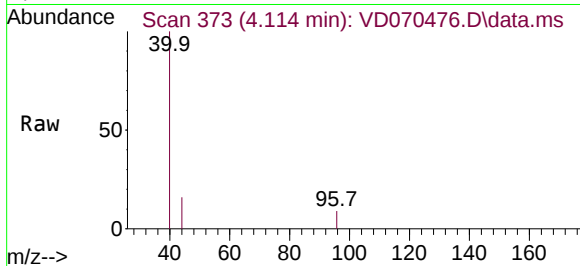




#12
1,1-Dichloroethene
Concen: 4.025 ug/l
RT: 4.114 min Scan# 373
Delta R.T. 0.047 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

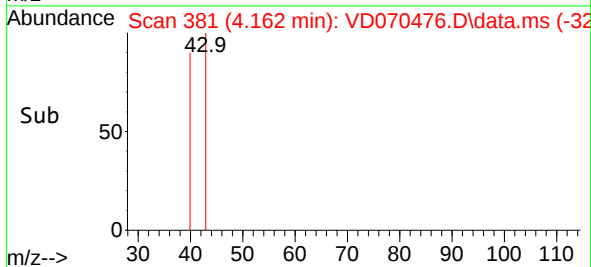
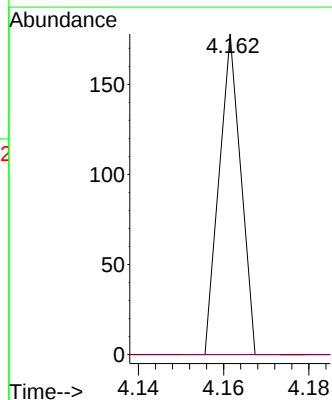
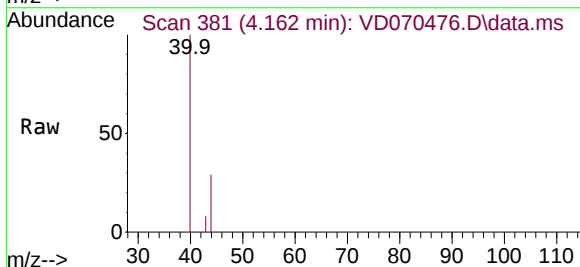
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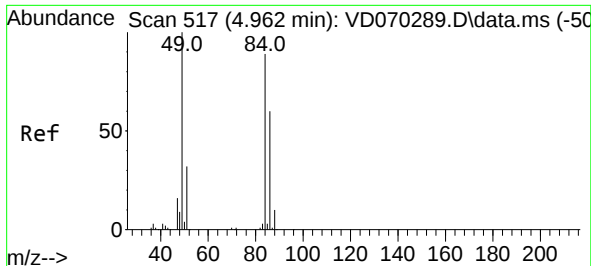
Tgt Ion: 96 Resp: 73
Ion Ratio Lower Upper
96 100
61 0.0 123.2 184.8#
98 0.0 51.9 77.9#



#16
Acetone
Concen: 17.639 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#

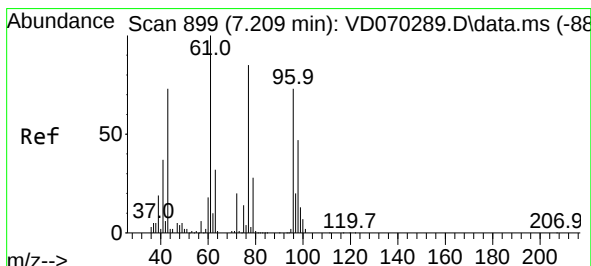
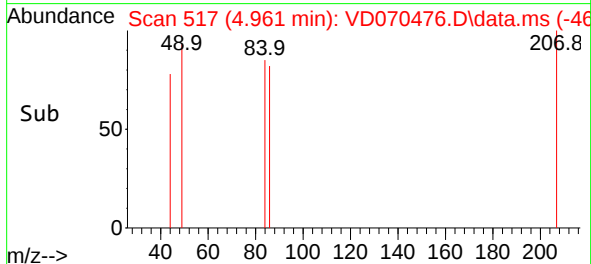
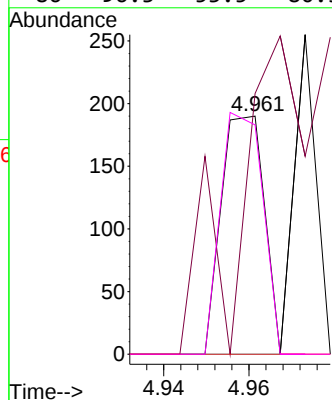
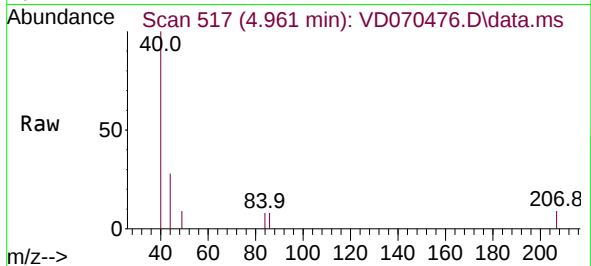




#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

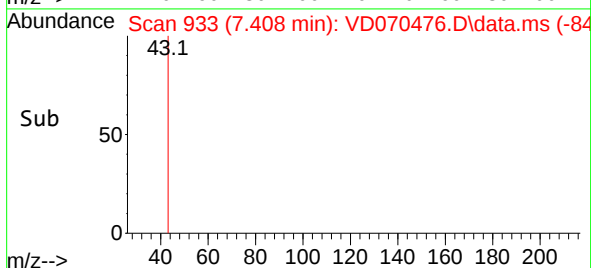
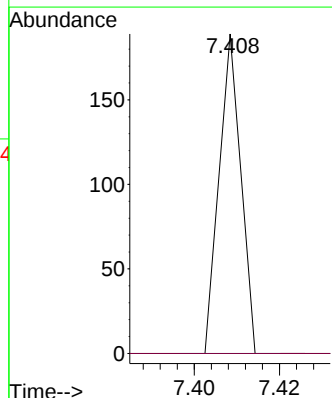
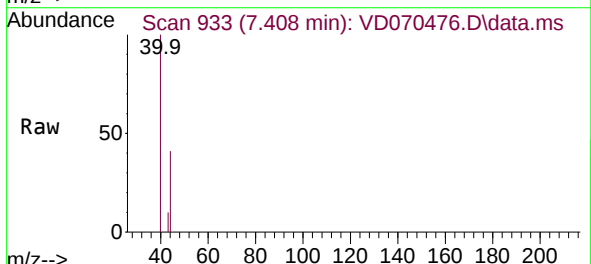
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-05-(6-8)

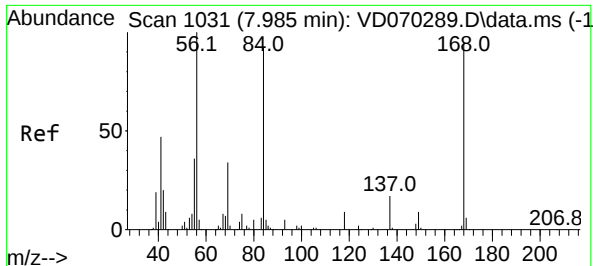
Tgt Ion:	84	Resp:	133
Ion	Ratio	Lower	Upper
84	100		
49	109.5	89.6	134.4
51	0.0	28.6	43.0#
86	96.3	53.5	80.3#



#25
2-Butanone
Concen: 14.092 ug/l
RT: 7.408 min Scan# 933
Delta R.T. 0.200 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

Tgt Ion:	43	Resp:	67
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.2	33.4#

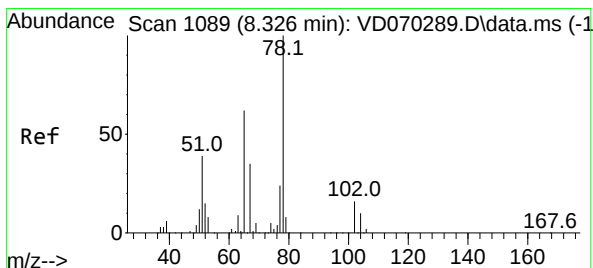
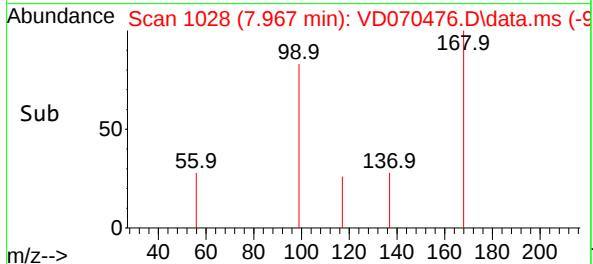
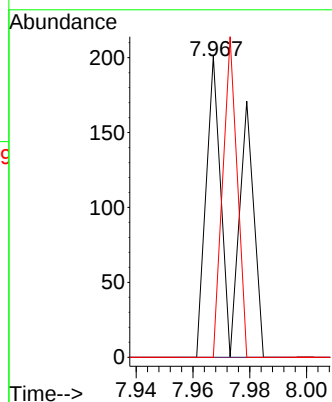
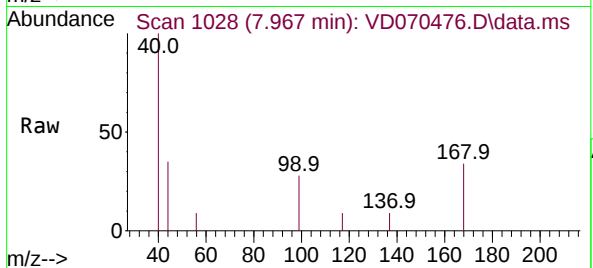




#31
Cyclohexane
Concen: 3.801 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

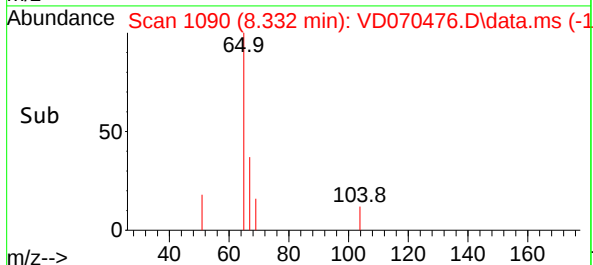
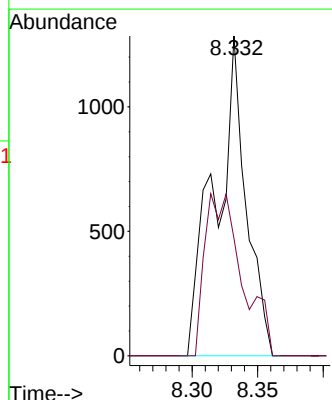
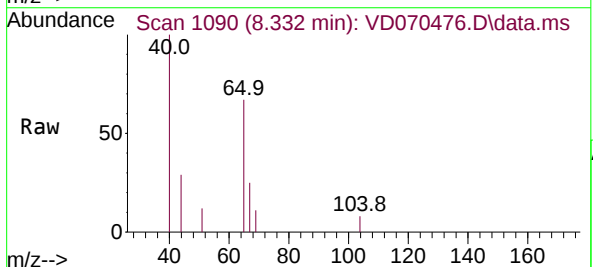
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-05-(6-8)

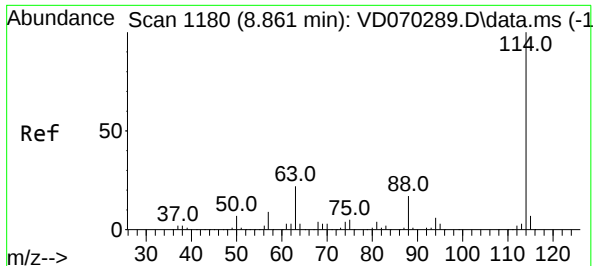
Tgt Ion: 56 Resp: 131
Ion Ratio Lower Upper
56 100
69 0.0 26.9 40.3#
84 0.0 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 104.723 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

Tgt Ion: 65 Resp: 2095
Ion Ratio Lower Upper
65 100
67 61.4 0.0 111.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

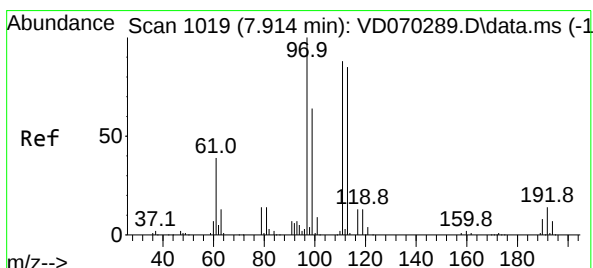
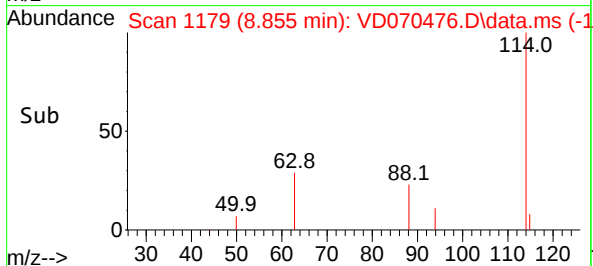
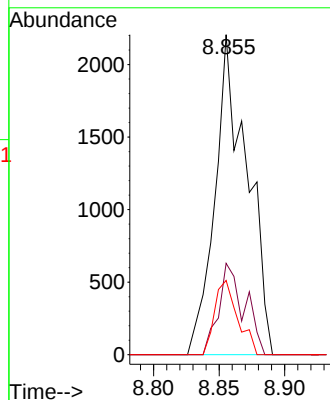
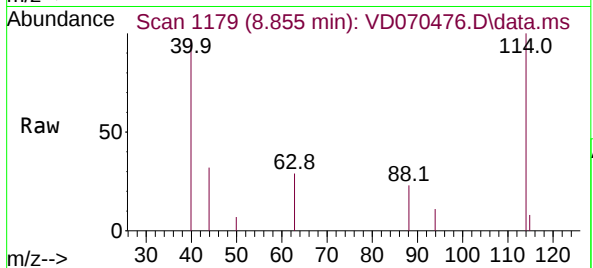
Delta R.T. -0.006 min

Lab File: VD070476.D

Acq: 27 Sep 2021 14:32

Tgt Ion:114	Resp:	3745
Ion Ratio	Lower	Upper
114	100	
63	28.6	0.0 43.4
88	23.2	0.0 33.4

Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-05-(6-8)



#35

Dibromofluoromethane

Concen: 44.528 ug/l

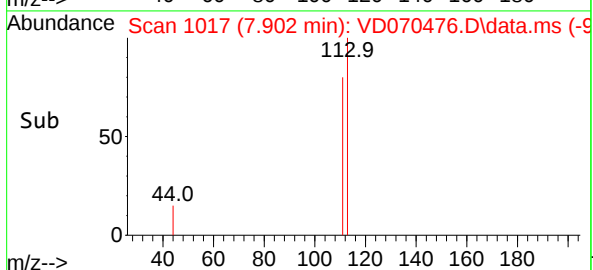
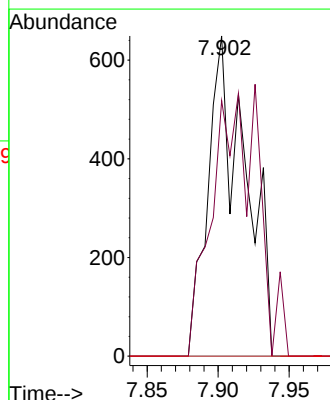
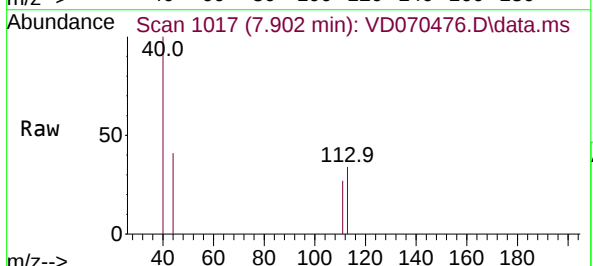
RT: 7.902 min Scan# 1017

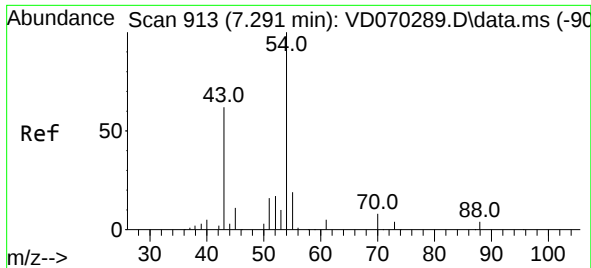
Delta R.T. -0.012 min

Lab File: VD070476.D

Acq: 27 Sep 2021 14:32

Tgt Ion:113	Resp:	1187
Ion Ratio	Lower	Upper
113	100	
111	0.0	81.4 122.2#
192	0.0	13.0 19.6#

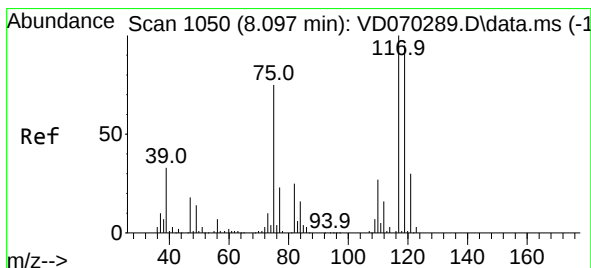
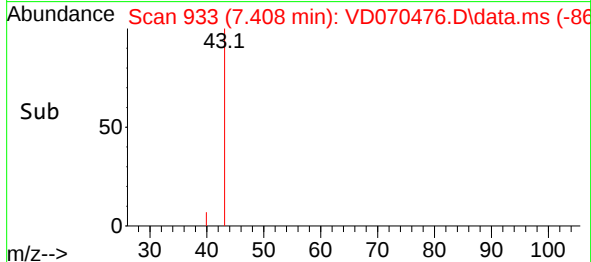
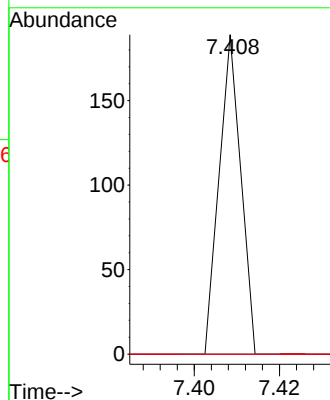
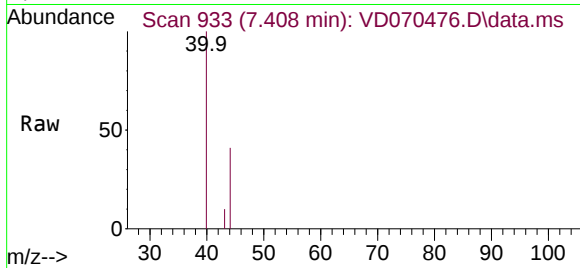




#37
Ethyl Acetate
Concen: 4.476 ug/l
RT: 7.408 min Scan# 933
Delta R.T. 0.117 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

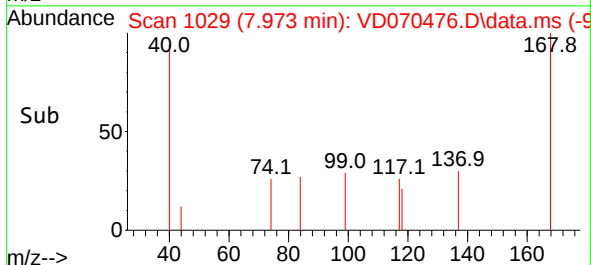
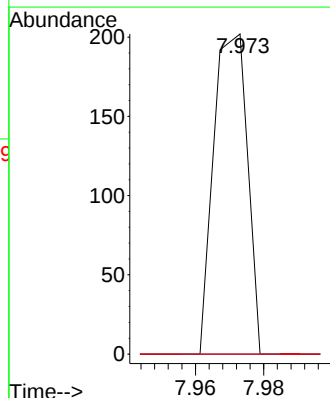
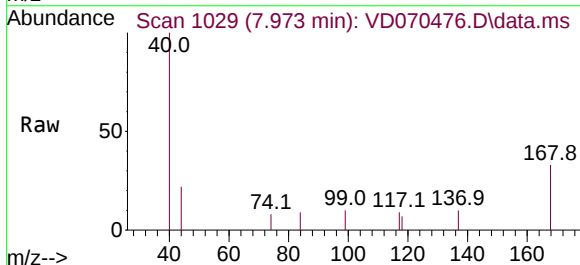
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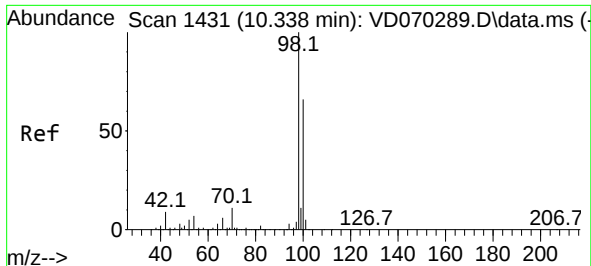
Tgt Ion:	43	Resp:	67
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.6#
70	0.0	9.8	14.6#



#38
Carbon Tetrachloride
Concen: 3.511 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

Tgt Ion:	117	Resp:	139
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.1	114.1#
121	0.0	23.8	35.6#

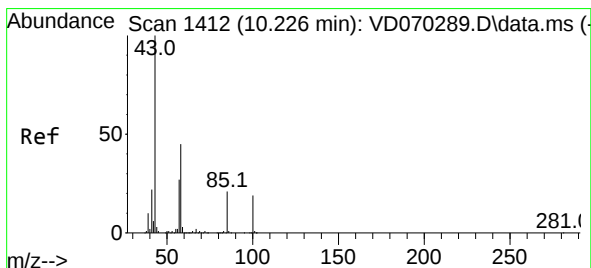
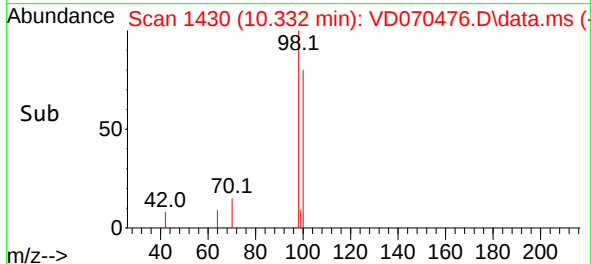
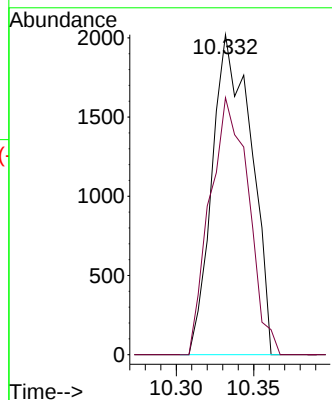
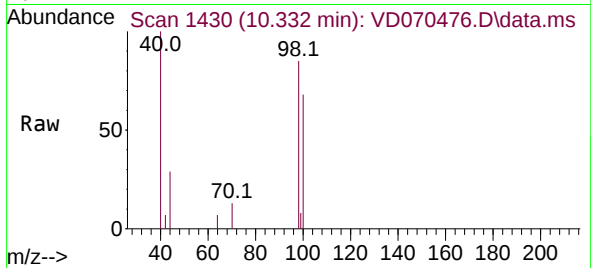




#50
Toluene-d8
Concen: 36.472 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

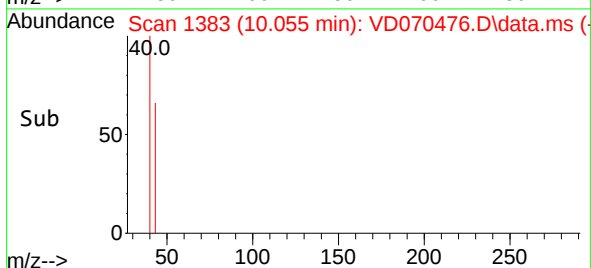
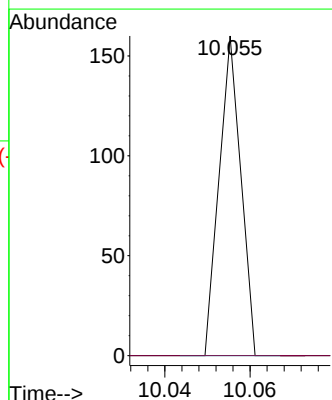
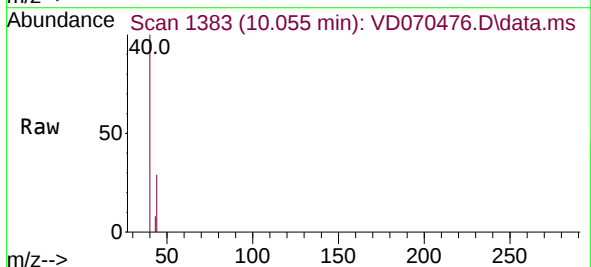
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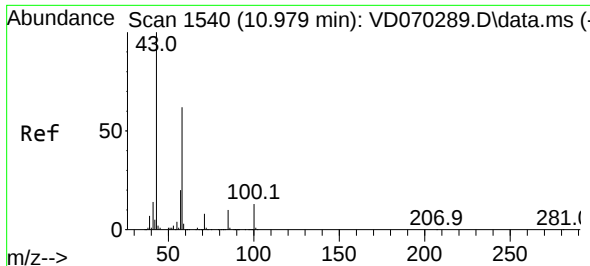
Tgt Ion: 98 Resp: 3530
Ion Ratio Lower Upper
98 100
100 79.4 52.0 78.0#



#51
4-Methyl-2-Pentanone
Concen: 3.910 ug/l
RT: 10.055 min Scan# 1383
Delta R.T. -0.171 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 35.4 53.2#

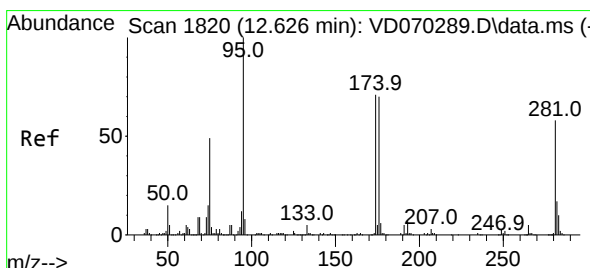
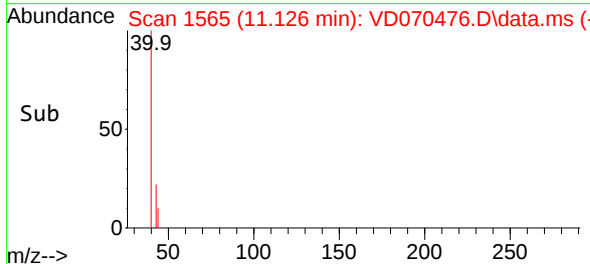
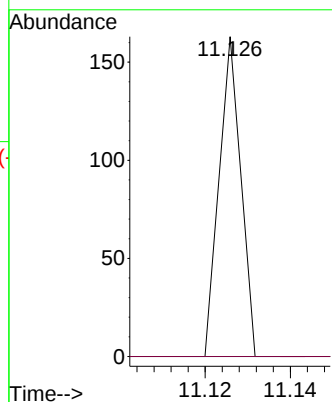
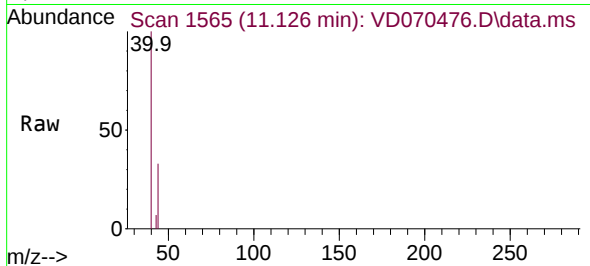




#59
2-Hexanone
Concen: 6.070 ug/l
RT: 11.126 min Scan# 1565
Delta R.T. 0.147 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

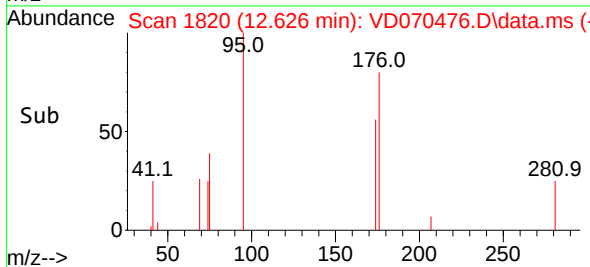
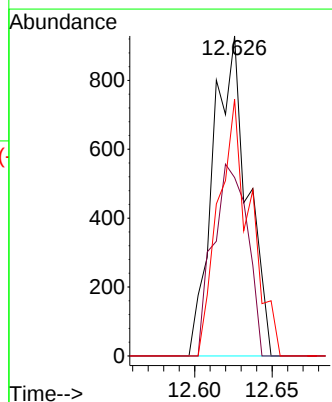
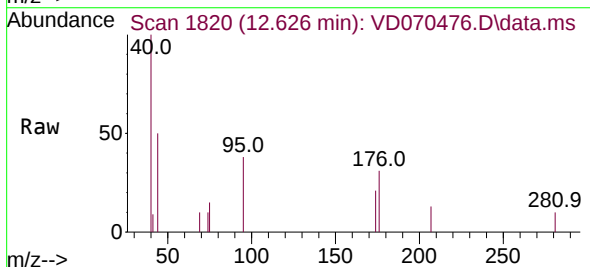
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-05-(6-8)

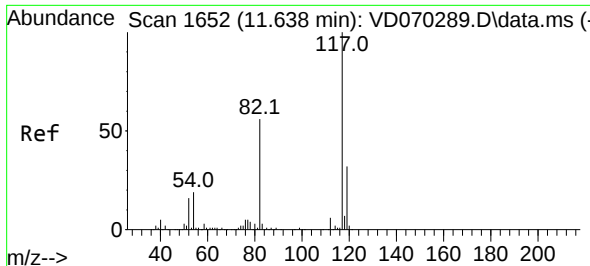
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
58 0.0 30.6 91.6#



#62
4-Bromofluorobenzene
Concen: 42.364 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

Tgt Ion: 95 Resp: 1433
Ion Ratio Lower Upper
95 100
174 59.6 0.0 140.6
176 74.6 0.0 137.4

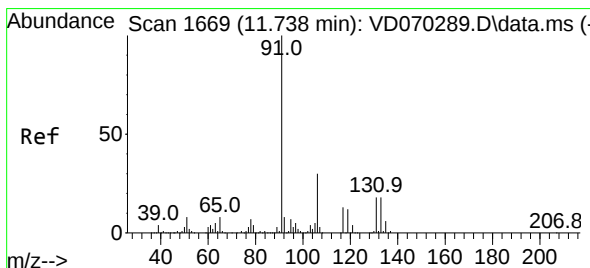
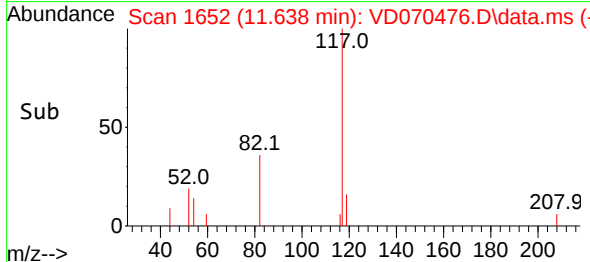
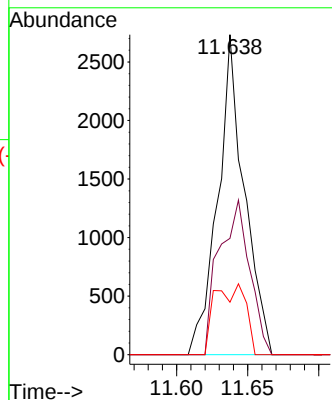
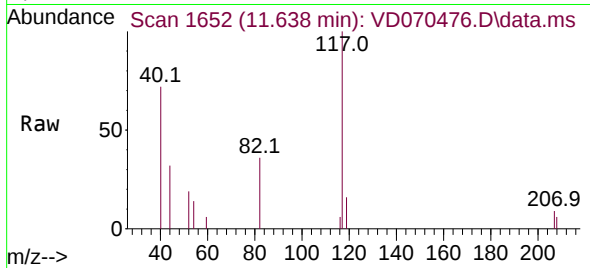




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

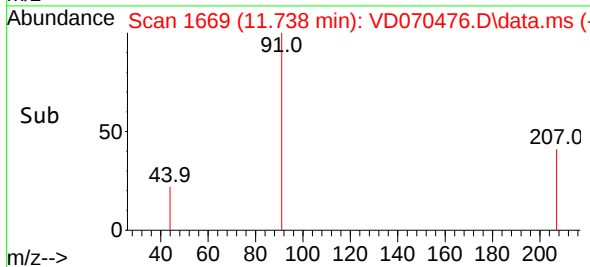
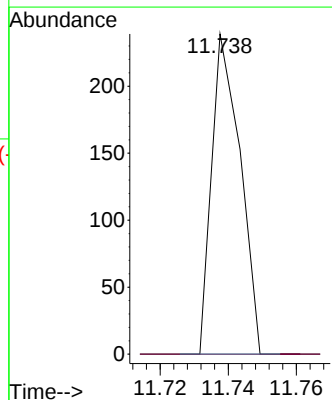
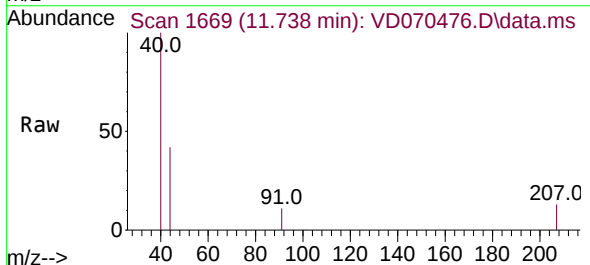
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-05-(6-8)

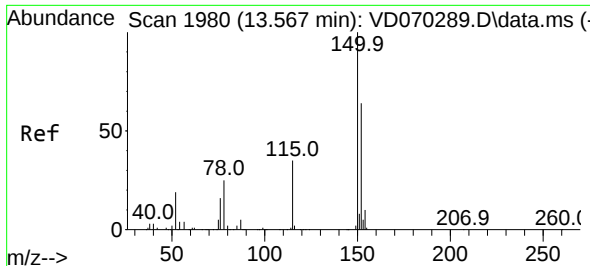
Tgt Ion:117 Resp: 3553
Ion Ratio Lower Upper
117 100
82 36.4 45.0 67.4#
119 16.4 25.2 37.8#



#67
Ethyl Benzene
Concen: 1.087 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

Tgt Ion: 91 Resp: 138
Ion Ratio Lower Upper
91 100
106 0.0 24.2 36.2#

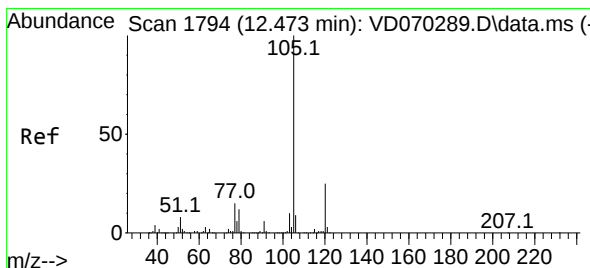
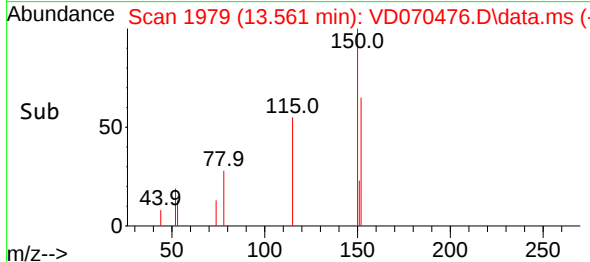
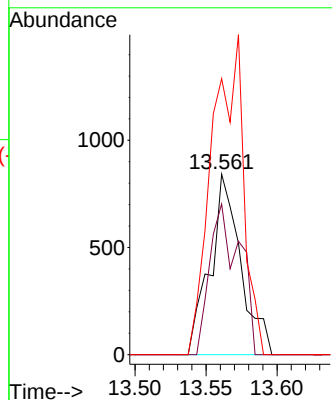
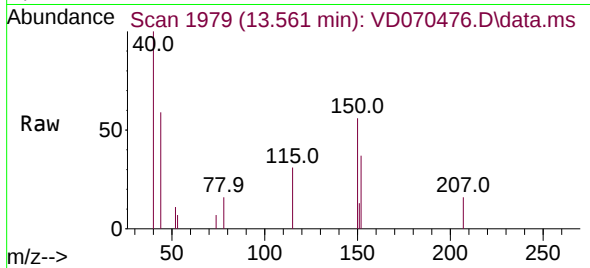




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

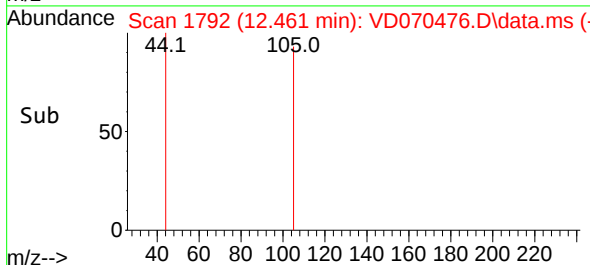
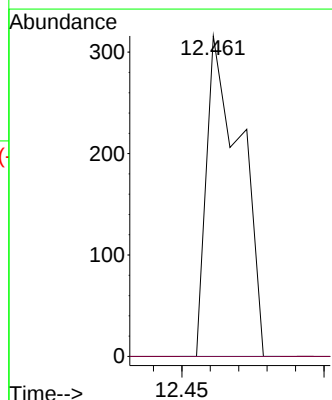
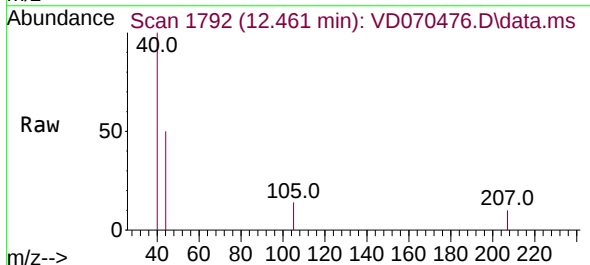
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-05-(6-8)

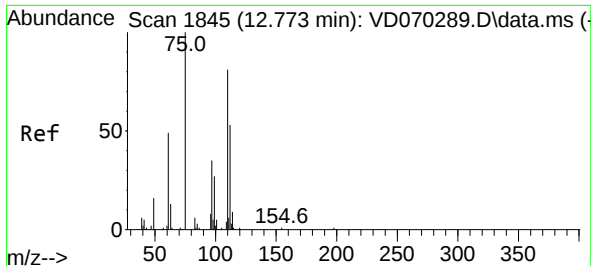
Tgt Ion:152 Resp: 1256
Ion Ratio Lower Upper
152 100
115 82.3 32.1 96.3
150 182.6 0.0 350.6



#73
Isopropylbenzene
Concen: 2.986 ug/l
RT: 12.461 min Scan# 1792
Delta R.T. -0.012 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

Tgt Ion:105 Resp: 263
Ion Ratio Lower Upper
105 100
120 0.0 13.0 38.9#

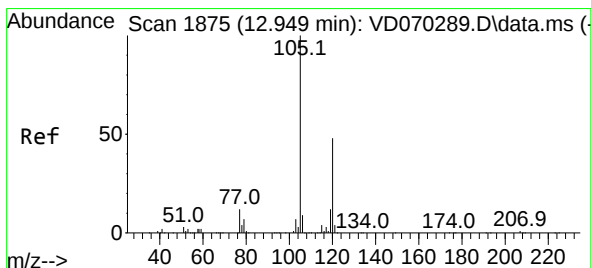
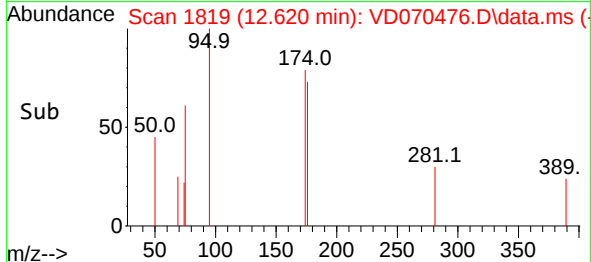
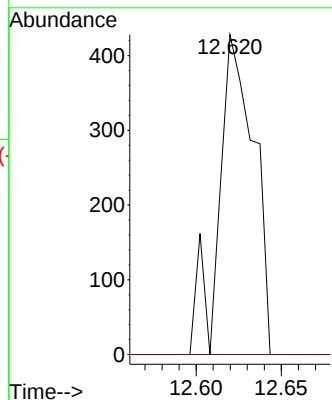
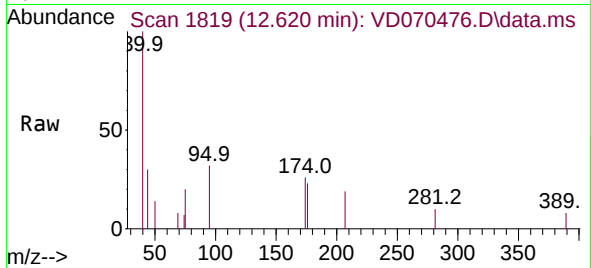




#76
1,2,3-Trichloropropane
Concen: 48.408 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

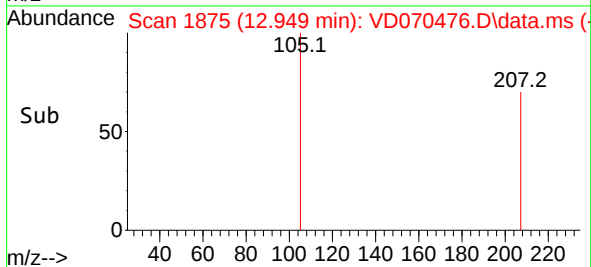
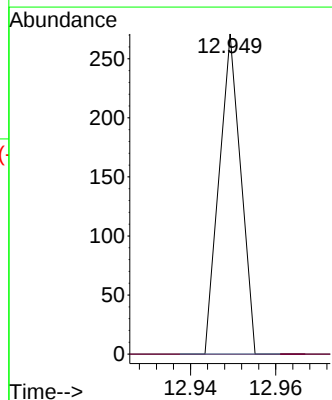
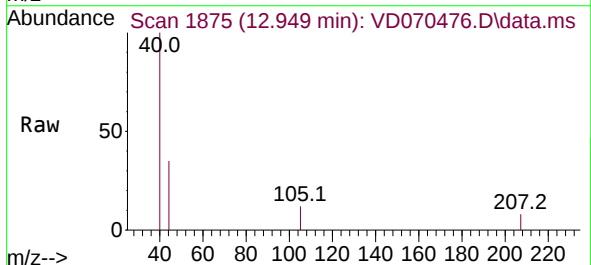
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-05-(6-8)

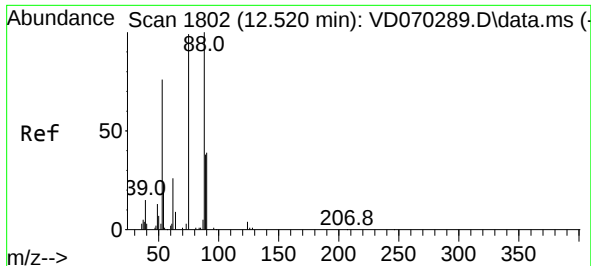
Tgt Ion: 75 Resp: 615
Ion Ratio Lower Upper
75 100
77 0.0 174.9 524.7#



#80
1,3,5-Trimethylbenzene
Concen: 1.263 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

Tgt Ion: 105 Resp: 96
Ion Ratio Lower Upper
105 100
120 0.0 24.1 72.2#

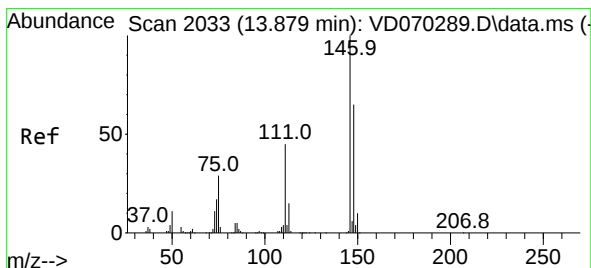
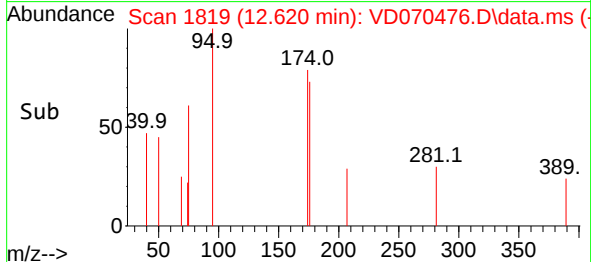
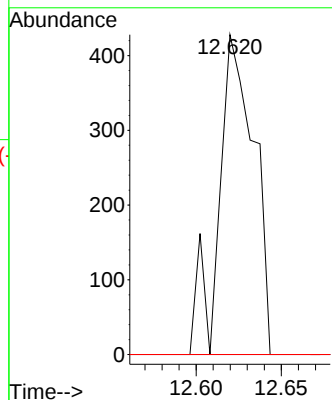
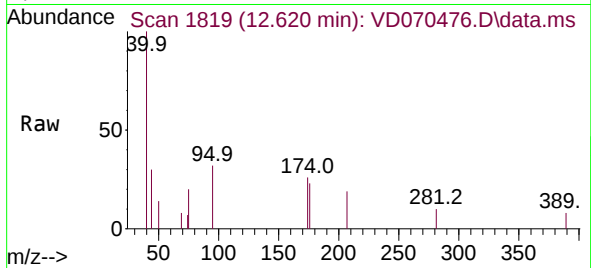




#81
trans-1,4-Dichloro-2-butene
Concen: 121.290 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

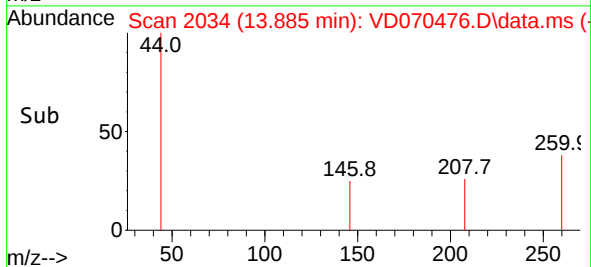
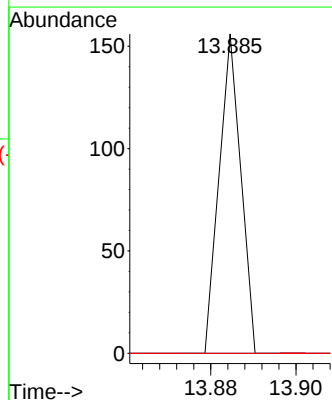
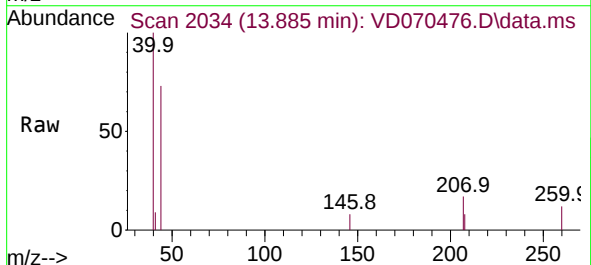
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-05-(6-8)

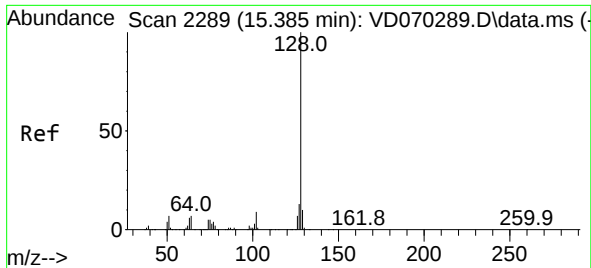
Tgt Ion: 75 Resp: 615
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 0.0 35.6 53.4#



#91
1,2-Dichlorobenzene
Concen: 1.473 ug/l
RT: 13.885 min Scan# 2034
Delta R.T. 0.006 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

Tgt Ion:146 Resp: 55
Ion Ratio Lower Upper
146 100
111 0.0 21.9 65.7#
148 0.0 31.7 95.1#





#95
Naphthalene
Concen: 2.102 ug/l
RT: 15.408 min Scan# 2293
Delta R.T. 0.023 min
Lab File: VD070476.D
Acq: 27 Sep 2021 14:32

Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-05-(6-8)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	9.0	13.4#

