

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092721\
 Data File : VD070484.D
 Acq On : 27 Sep 2021 18:15
 Operator : VA/SY
 Sample : M3889-03
 Misc : 6.85G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SUP-UST-04-(6-8)

Quant Time: Sep 28 04:16:10 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)

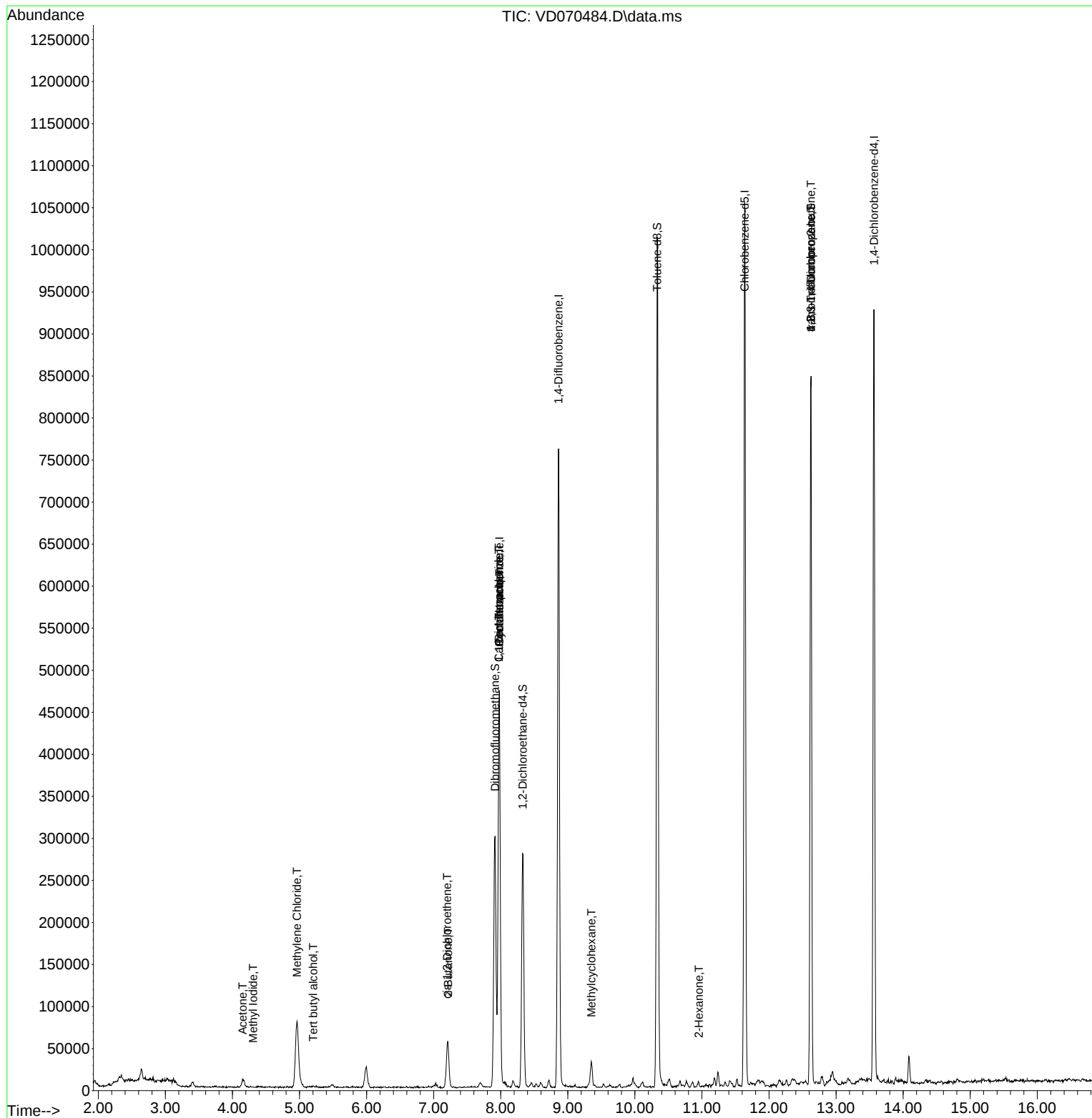
Internal Standards						
1) Pentafluorobenzene	7.979	168	328380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	648613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	627824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	261123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	232381	55.113	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.220%			
35) Dibromofluoromethane	7.914	113	225315	48.802	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.600%			
50) Toluene-d8	10.332	98	705588	42.092	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 84.180%			
62) 4-Bromofluorobenzene	12.626	95	239028	40.801	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 81.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	153	Below Cal	#	27
3) Chloromethane	2.203	50	753	Below Cal	#	42
5) Bromomethane	2.744	94	260	Below Cal	#	4
6) Chloroethane	2.903	64	113	Below Cal	#	43
10) Methyl Iodide	4.309	142	122	1.058	ug/l #	39
11) Tert butyl alcohol	5.203	59	723	1.517	ug/l #	100
16) Acetone	4.150	43	16834	22.362	ug/l #	74
18) Methyl Acetate	4.720	43	229	Below Cal	#	48
20) Methylene Chloride	4.962	84	65791	7.910	ug/l	95
25) 2-Butanone	7.214	43	1420	1.417	ug/l #	53
27) cis-1,2-Dichloroethene	7.203	96	34905	7.140	ug/l	86
31) Cyclohexane	7.979	56	10415	1.434	ug/l #	13
36) 1,1-Dichloropropene	7.973	75	29675	4.280	ug/l #	48
38) Carbon Tetrachloride	7.973	117	34984	5.102	ug/l #	16
39) Methylcyclohexane	9.350	83	11385	1.470	ug/l #	84
59) 2-Hexanone	10.955	43	2407	1.454	ug/l #	20
76) 1,2,3-Trichloropropane	12.626	75	116595	44.143	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	116595	110.605	ug/l #	18

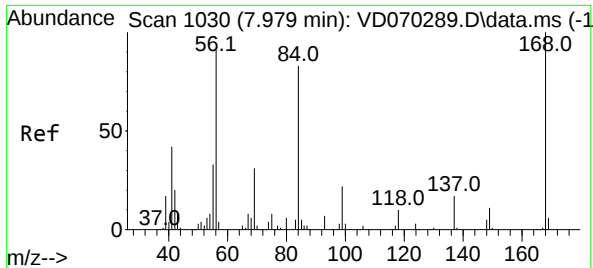
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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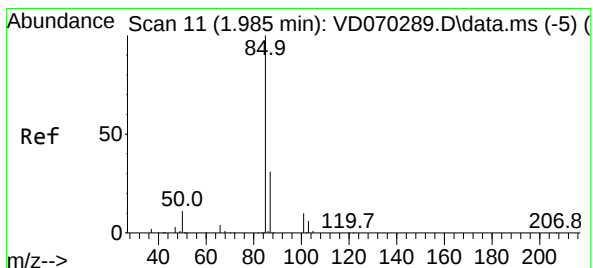
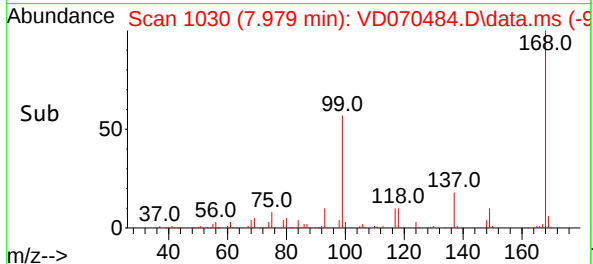
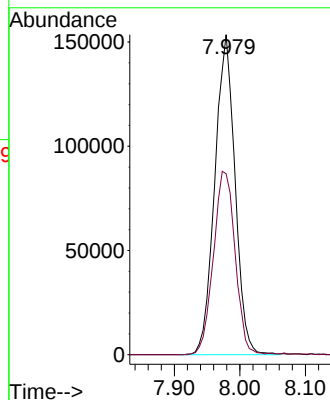
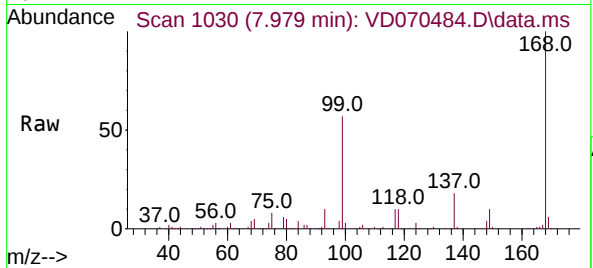




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

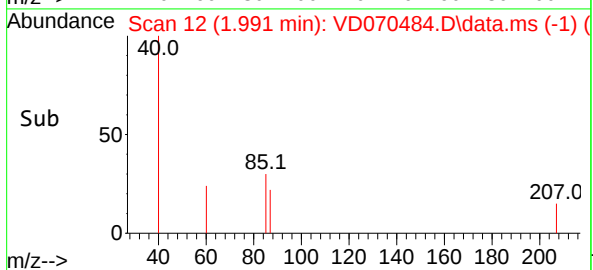
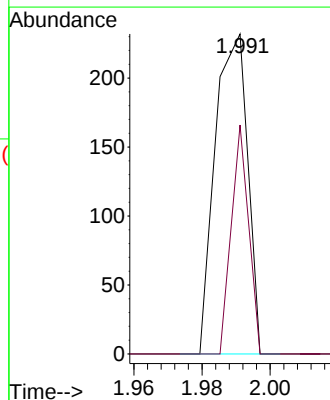
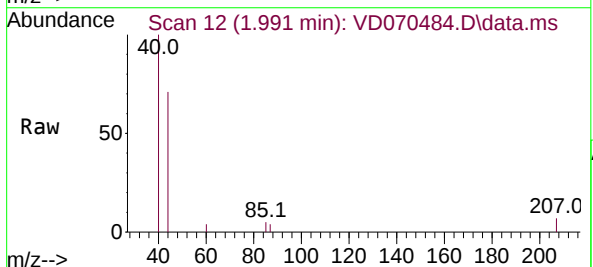
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-04-(6-8)

Tgt Ion:168 Resp: 328380
Ion Ratio Lower Upper
168 100
99 56.6 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

Tgt Ion: 85 Resp: 153
Ion Ratio Lower Upper
85 100
87 71.6 15.6 46.8#

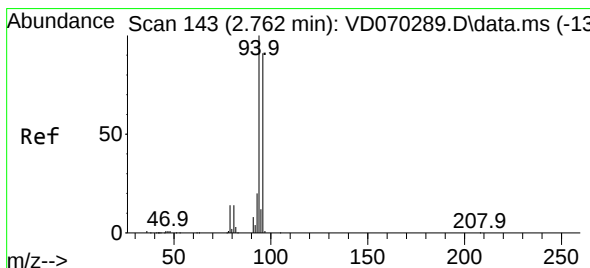
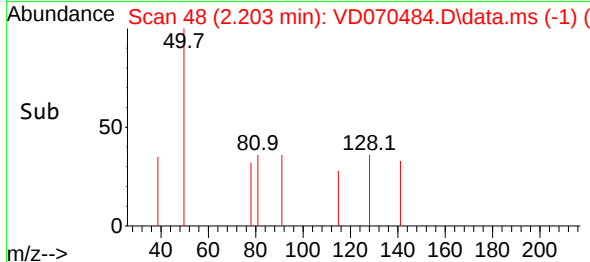
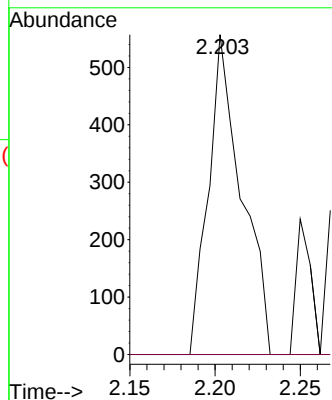
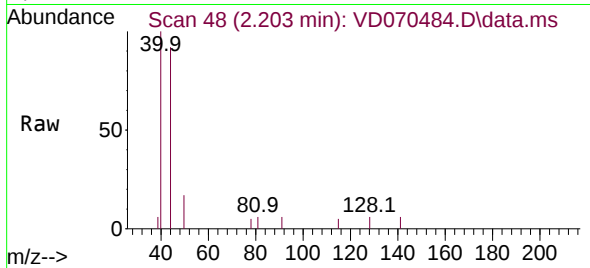




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

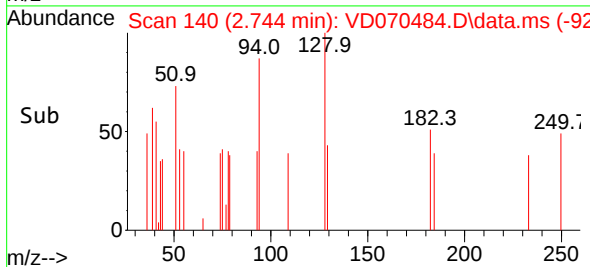
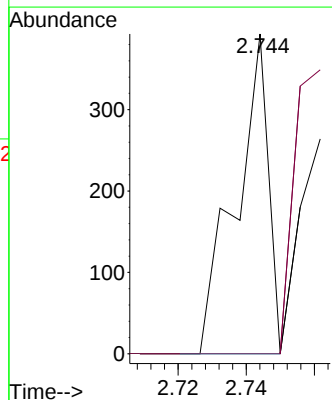
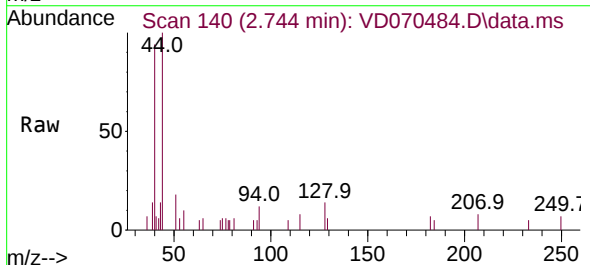
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-04-(6-8)

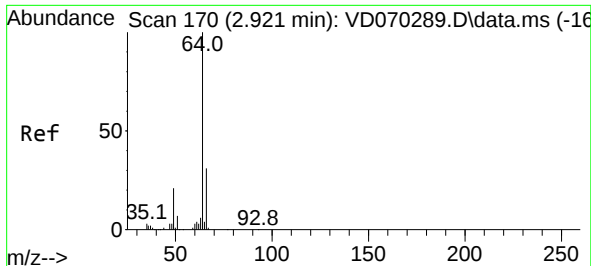
Tgt Ion: 50 Resp: 753
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.744 min Scan# 140
Delta R.T. -0.018 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

Tgt Ion: 94 Resp: 260
Ion Ratio Lower Upper
94 100
96 0.0 73.0 109.6#

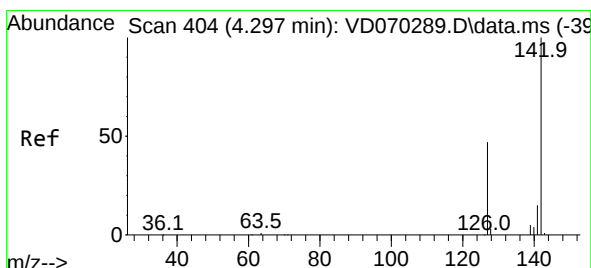
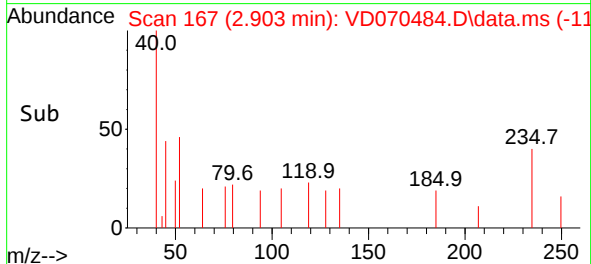
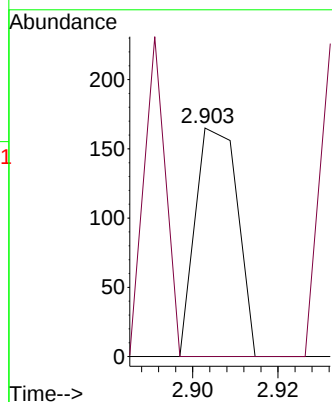
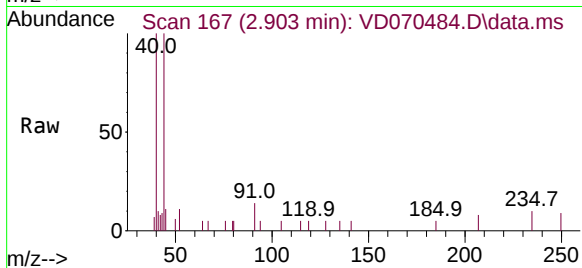




#6
Chloroethane
Concen: Below Cal
RT: 2.903 min Scan# 167
Delta R.T. -0.018 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

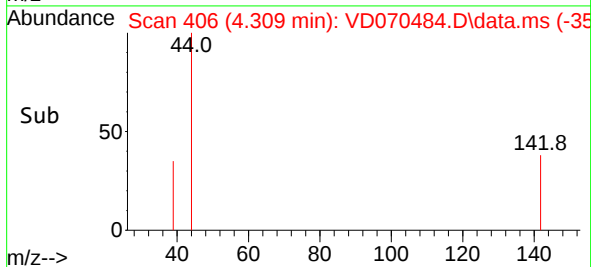
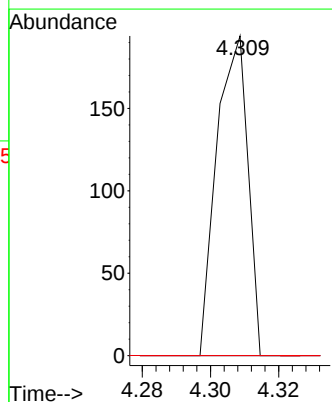
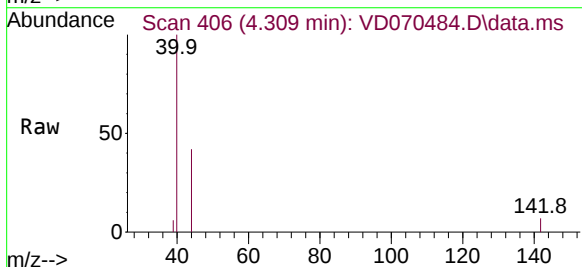
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-04-(6-8)

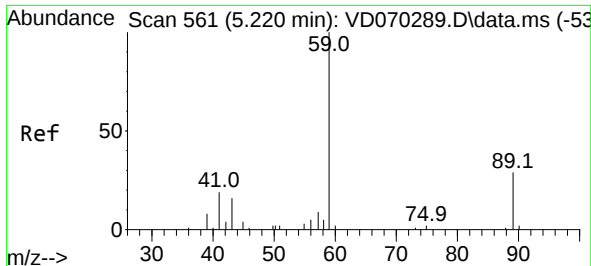
Tgt Ion: 64 Resp: 113
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.058 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

Tgt Ion: 142 Resp: 122
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

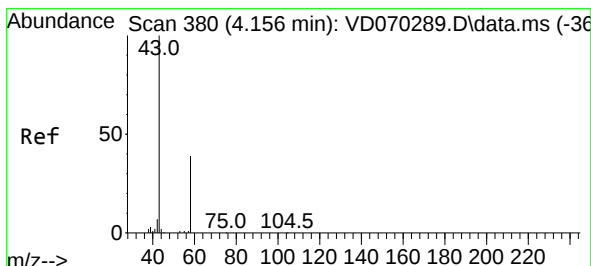
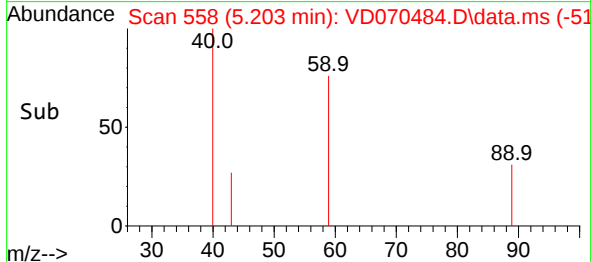
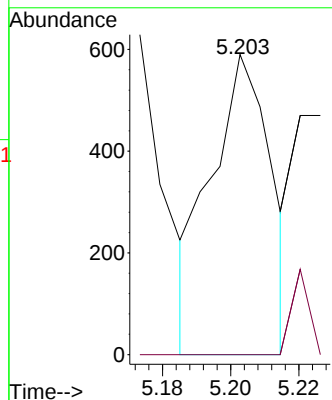
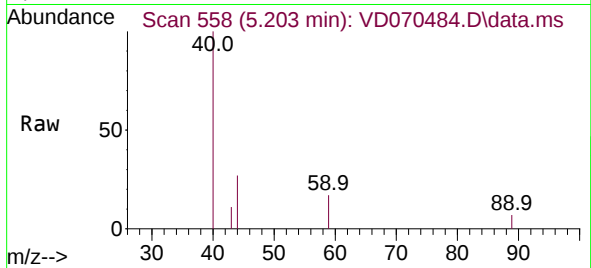




#11
Tert butyl alcohol
Concen: 1.517 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.017 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

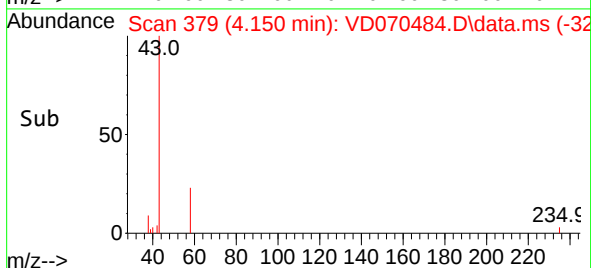
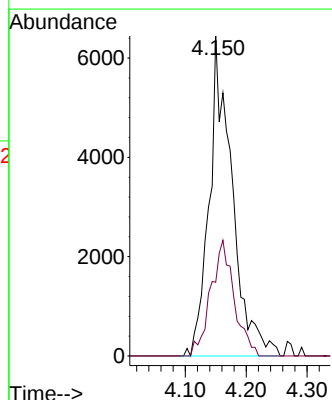
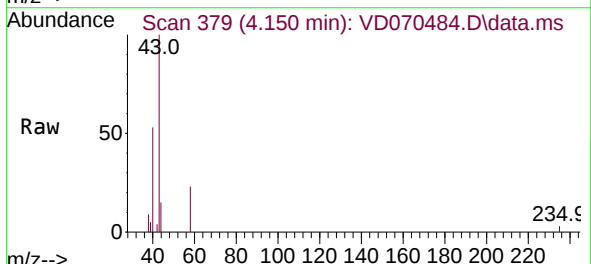
Instrument :
MSVOA_D
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SUP-UST-04-(6-8)

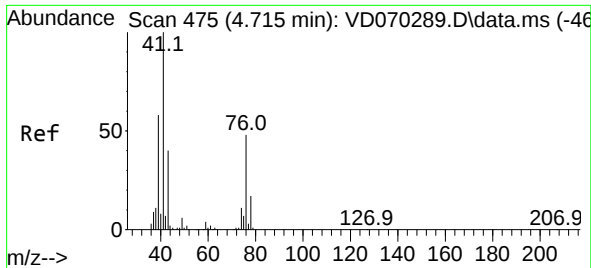
Tgt Ion: 59 Resp: 723
Ion Ratio Lower Upper
59 100
57 8.2 0.0 0.0#



#16
Acetone
Concen: 22.362 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

Tgt Ion: 43 Resp: 16834
Ion Ratio Lower Upper
43 100
58 23.0 30.9 46.3#

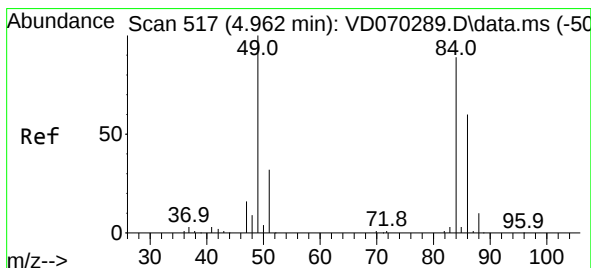
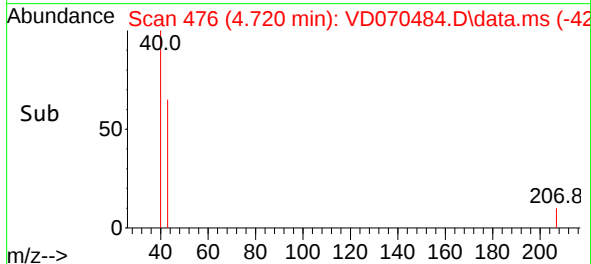
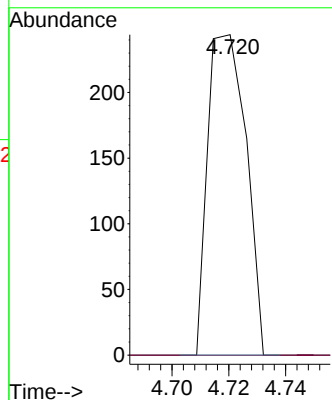
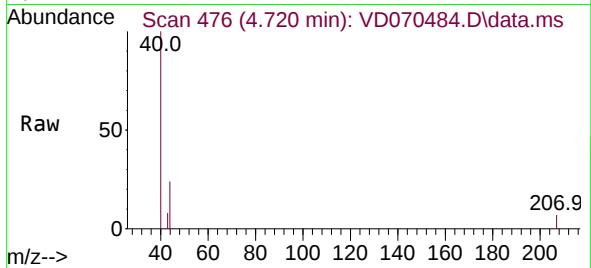




#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.005 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

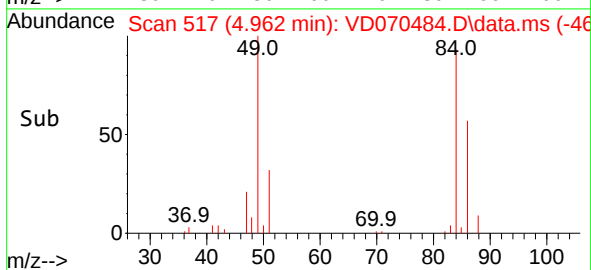
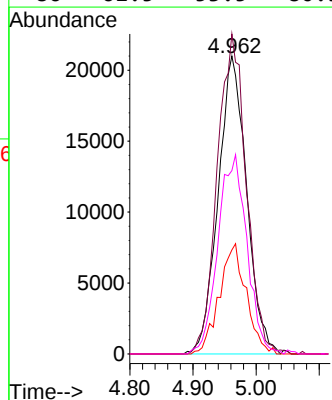
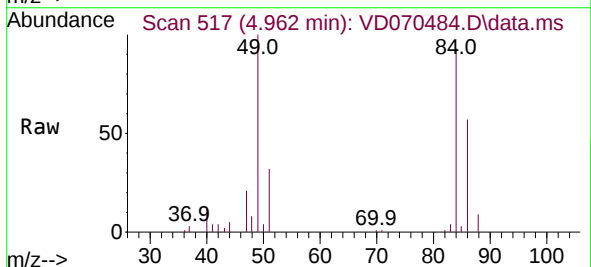
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MSVOA_D
ClientSampleId :
SUP-UST-04-(6-8)

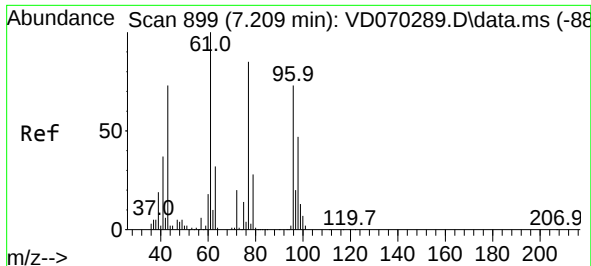
Tgt Ion: 43 Resp: 229
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: 7.910 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

Tgt Ion: 84 Resp: 65791
Ion Ratio Lower Upper
84 100
49 107.4 89.6 134.4
51 34.9 28.6 43.0
86 61.5 53.5 80.3

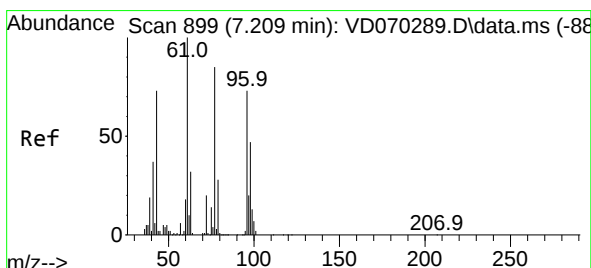
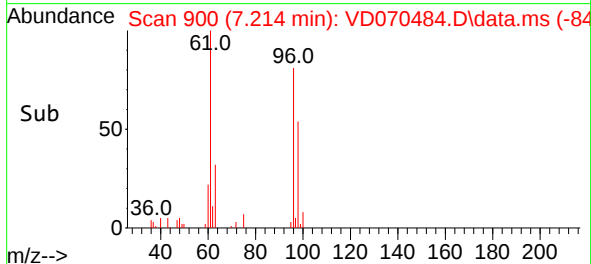
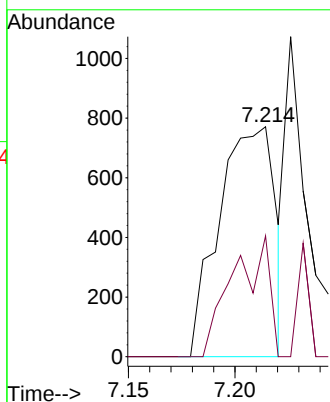
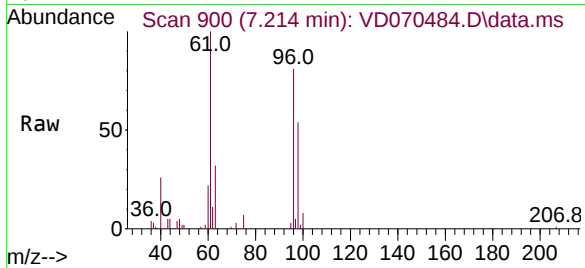




#25
2-Butanone
Concen: 1.417 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

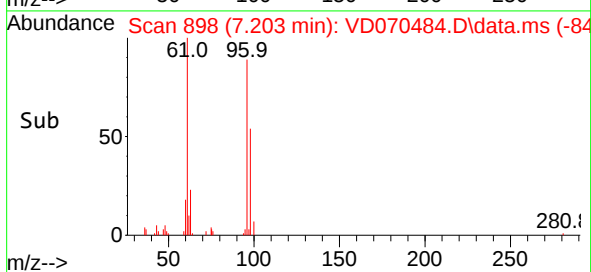
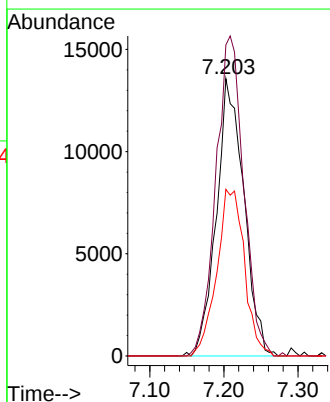
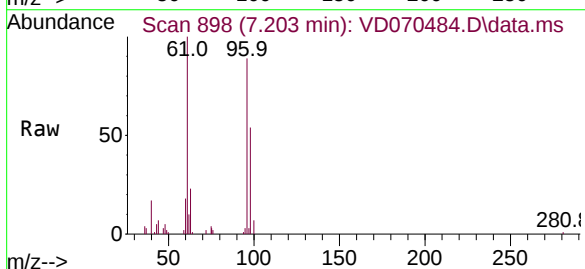
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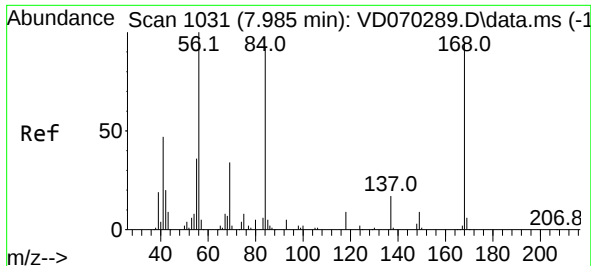
Tgt Ion: 43 Resp: 1420
Ion Ratio Lower Upper
43 100
72 52.5 22.2 33.4#



#27
cis-1,2-Dichloroethene
Concen: 7.140 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

Tgt Ion: 96 Resp: 34905
Ion Ratio Lower Upper
96 100
61 116.7 0.0 277.4
98 60.6 0.0 130.0

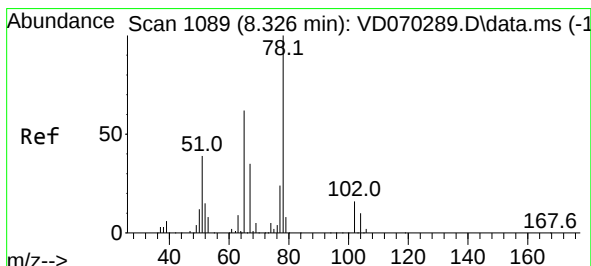
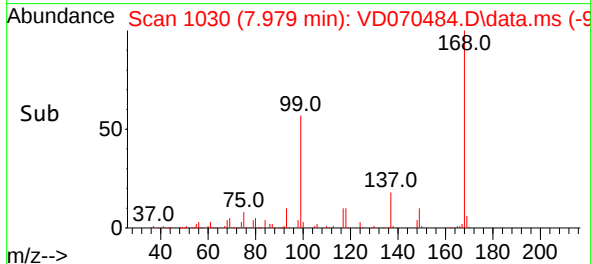
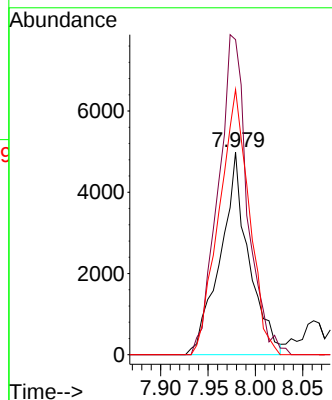
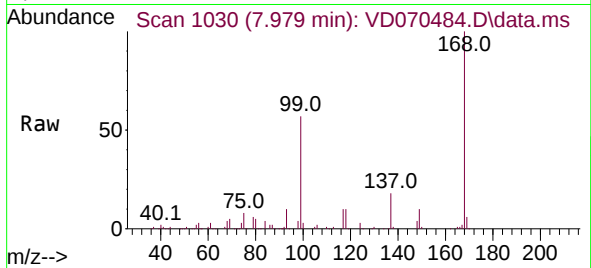




#31
Cyclohexane
Concen: 1.434 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

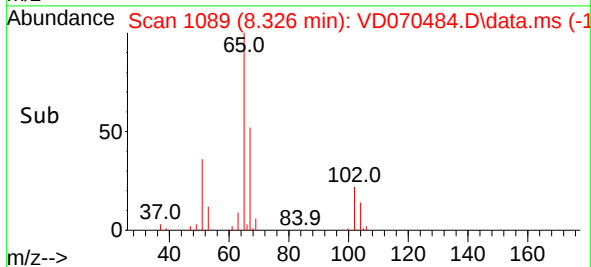
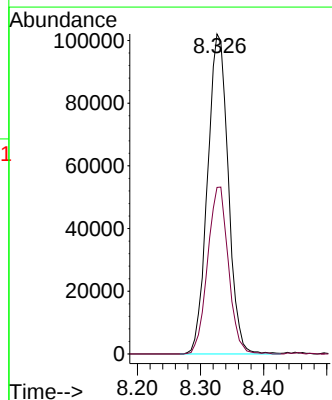
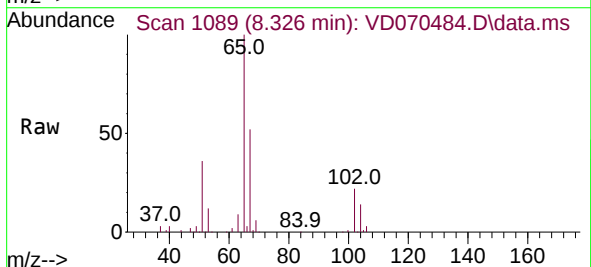
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SUP-UST-04-(6-8)

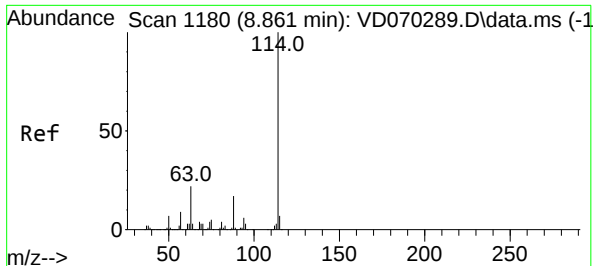
Tgt Ion: 56 Resp: 10415
Ion Ratio Lower Upper
56 100
69 155.5 26.9 40.3#
84 130.9 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 55.113 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

Tgt Ion: 65 Resp: 232381
Ion Ratio Lower Upper
65 100
67 52.4 0.0 111.4



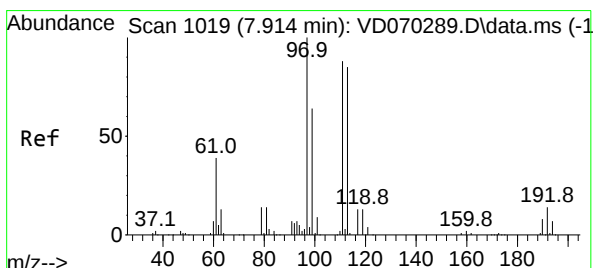
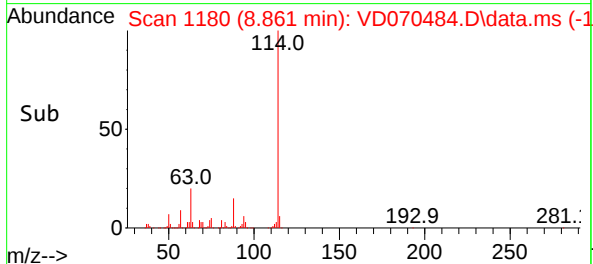
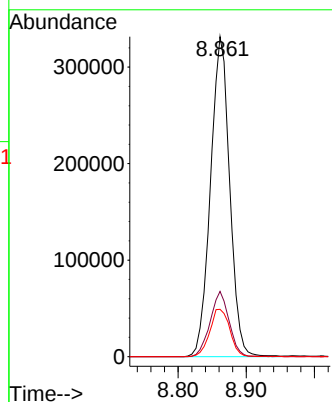
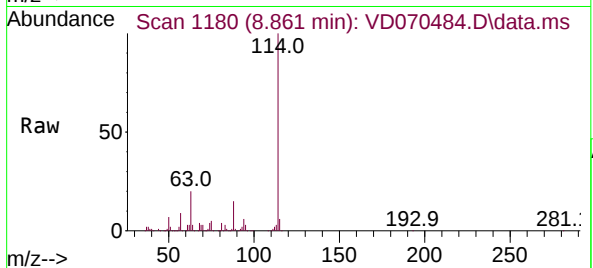


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

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MSVOA_D
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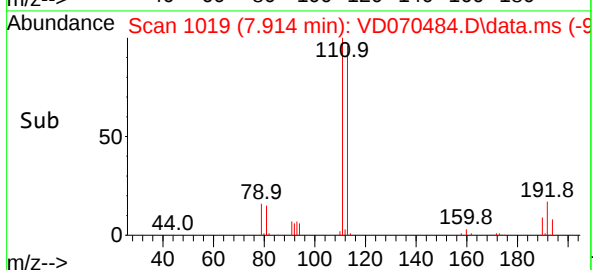
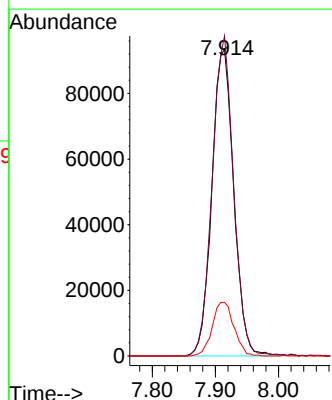
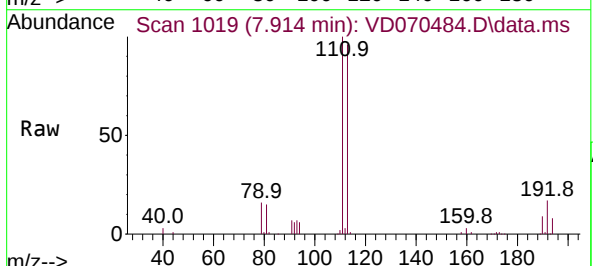
Tgt Ion:	114	Resp:	648613
Ion Ratio	Lower	Upper	
114	100		
63	20.4	0.0	43.4
88	14.8	0.0	33.4

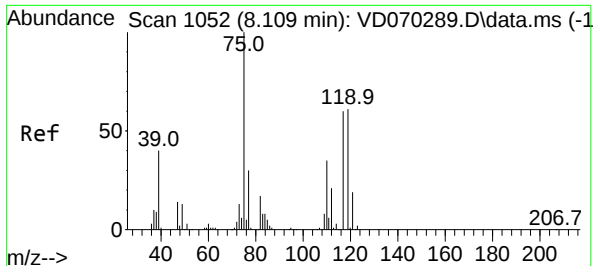


#35

Dibromofluoromethane
Concen: 48.802 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

Tgt Ion:	113	Resp:	225315
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.4	122.2
192	17.4	13.0	19.6

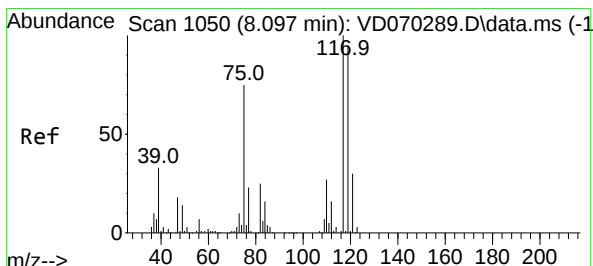
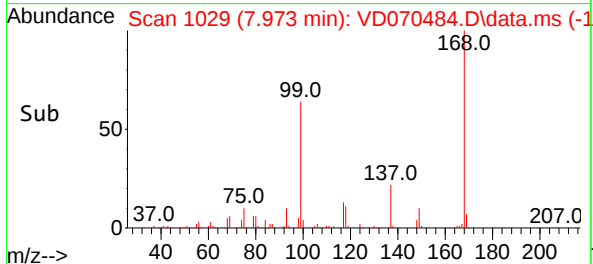
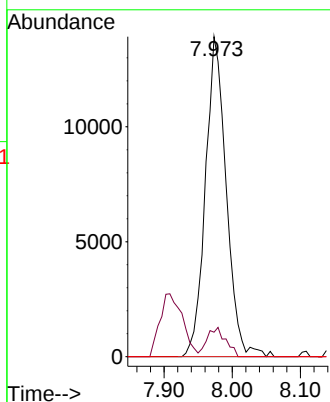
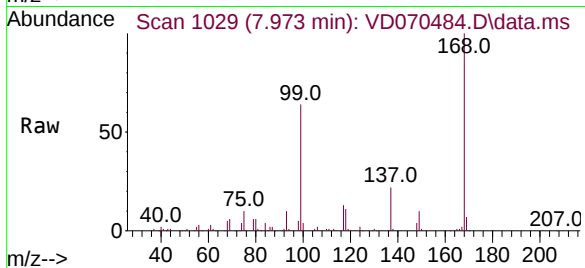




#36
1,1-Dichloropropene
Concen: 4.280 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

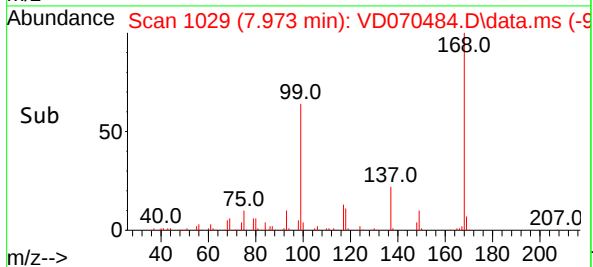
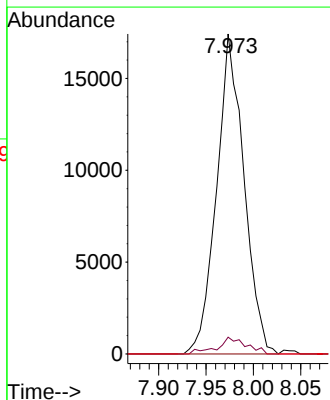
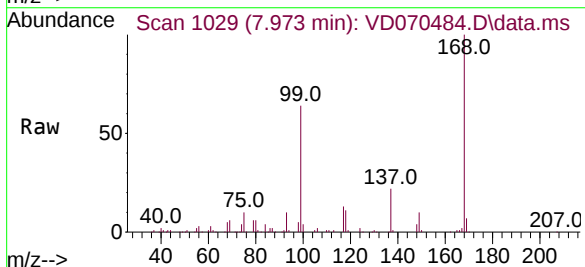
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-04-(6-8)

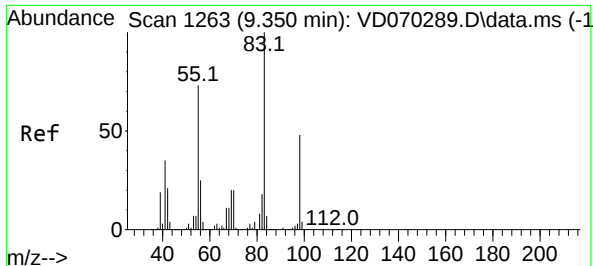
Tgt Ion: 75 Resp: 29675
Ion Ratio Lower Upper
75 100
110 8.1 17.9 53.7#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.102 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

Tgt Ion: 117 Resp: 34984
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 23.8 35.6#





#39

Methylcyclohexane

Concen: 1.470 ug/l

RT: 9.350 min Scan# 1263

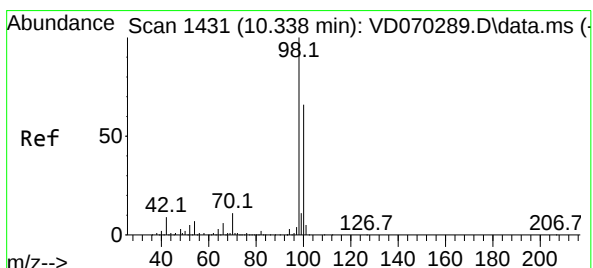
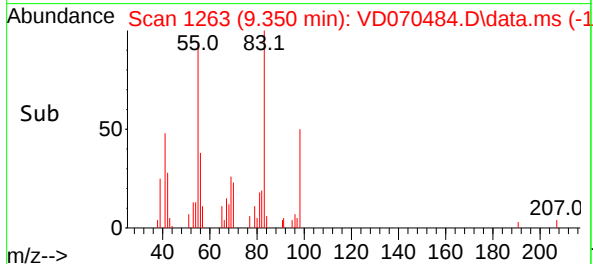
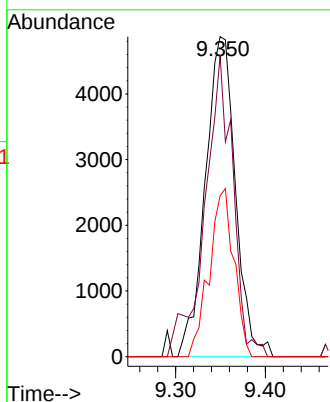
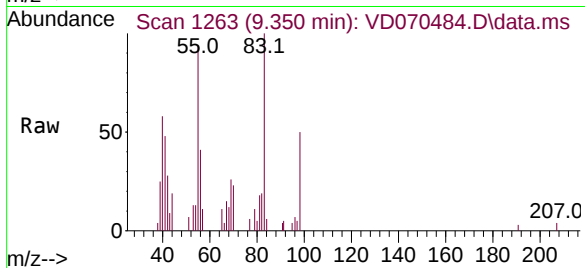
Delta R.T. -0.000 min

Lab File: VD070484.D

Acq: 27 Sep 2021 18:15

Tgt Ion:	83	Resp:	11385
Ion	Ratio	Lower	Upper
83	100		
55	94.2	58.5	87.7#
98	50.3	38.4	57.6

Instrument :
MSVOA_D
ClientSampleId :
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#50

Toluene-d8

Concen: 42.092 ug/l

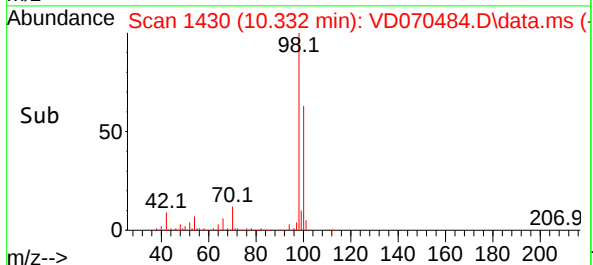
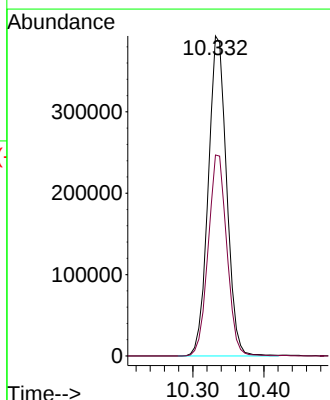
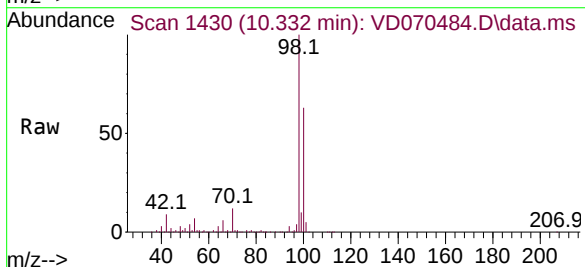
RT: 10.332 min Scan# 1430

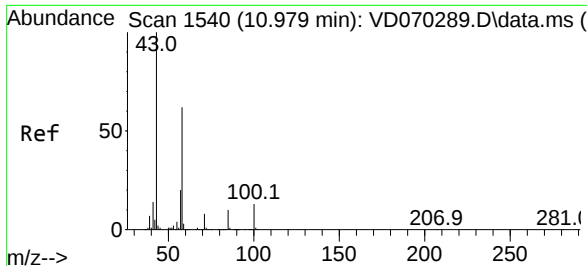
Delta R.T. -0.006 min

Lab File: VD070484.D

Acq: 27 Sep 2021 18:15

Tgt Ion:	98	Resp:	705588
Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.0	78.0

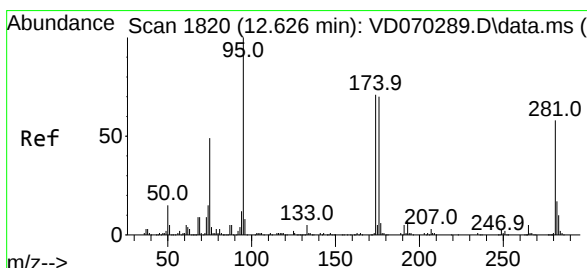
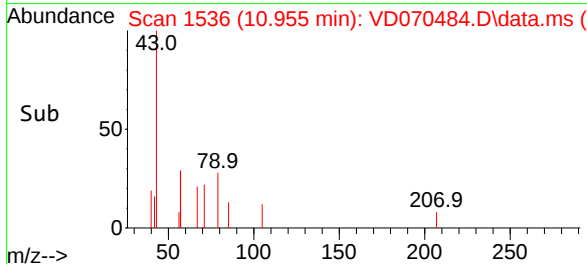
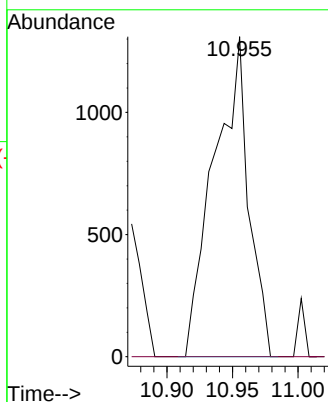
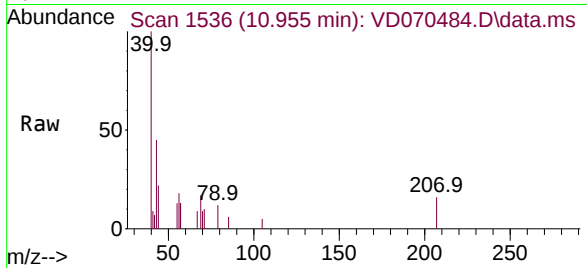




#59
2-Hexanone
Concen: 1.454 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.024 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

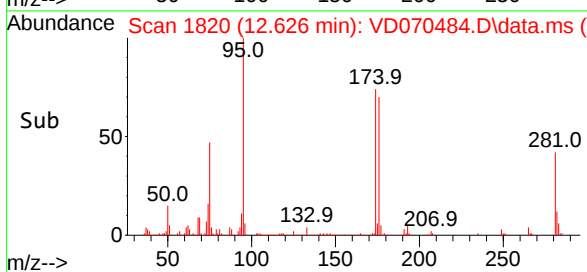
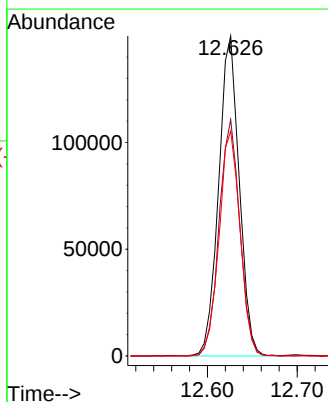
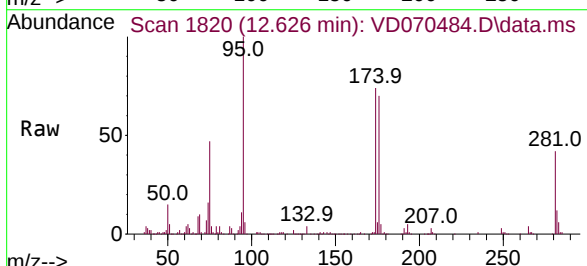
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-04-(6-8)

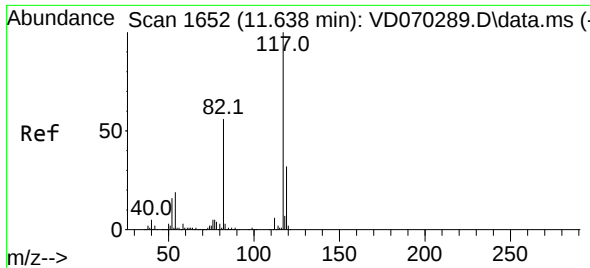
Tgt Ion: 43 Resp: 2407
Ion Ratio Lower Upper
43 100
58 0.0 30.6 91.6#



#62
4-Bromofluorobenzene
Concen: 40.801 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

Tgt Ion: 95 Resp: 239028
Ion Ratio Lower Upper
95 100
174 74.1 0.0 140.6
176 71.4 0.0 137.4

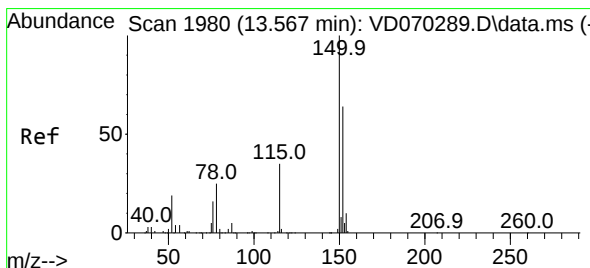
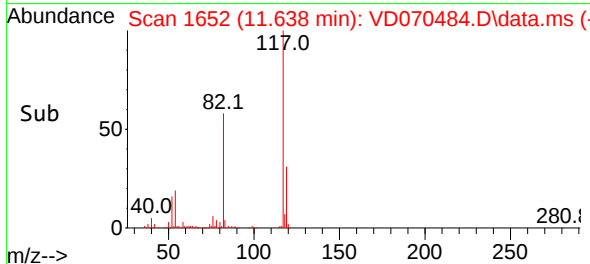
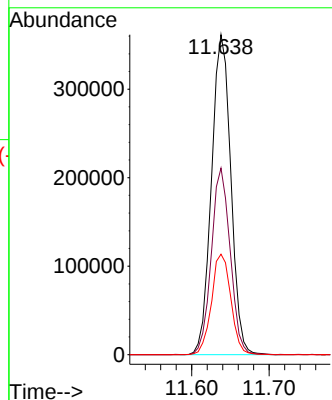
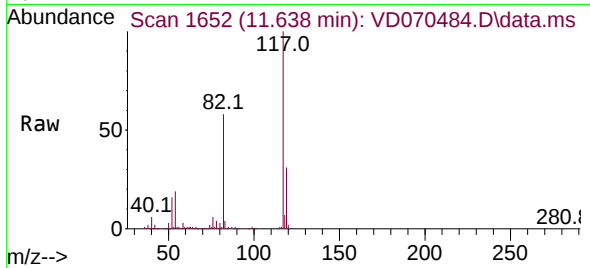




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

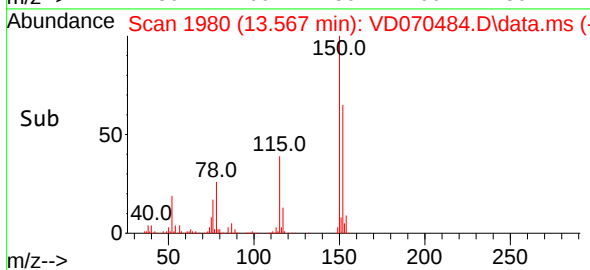
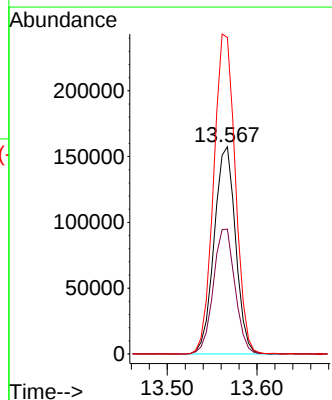
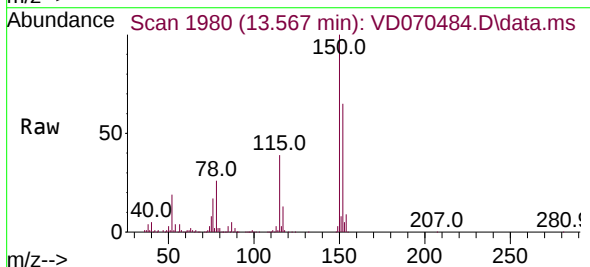
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-04-(6-8)

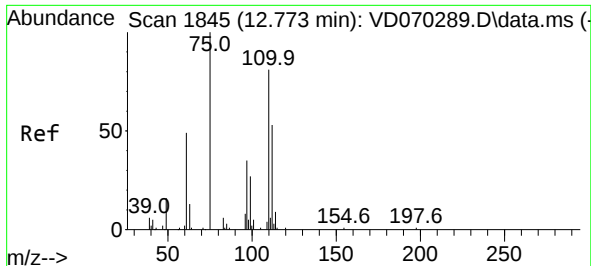
Tgt Ion:	117	Resp:	627824
Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.0	67.4
119	31.4	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

Tgt Ion:	152	Resp:	261123
Ion	Ratio	Lower	Upper
152	100		
115	61.0	32.1	96.3
150	156.2	0.0	350.6

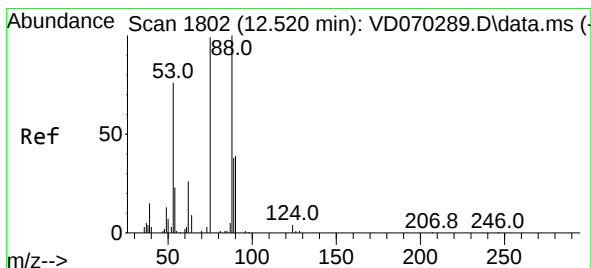
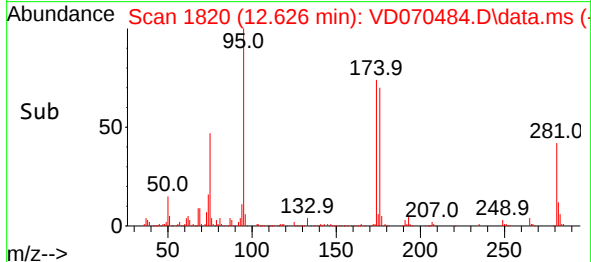
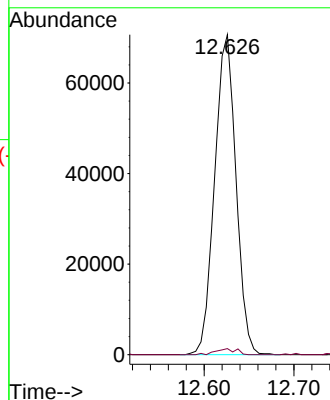
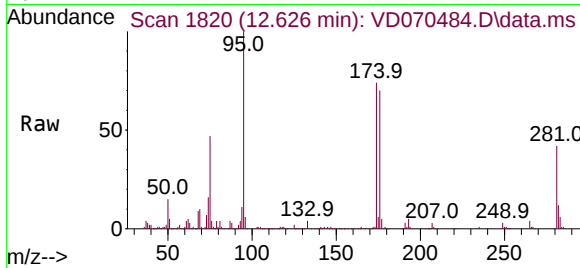




#76
1,2,3-Trichloropropane
Concen: 44.143 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-04-(6-8)

Tgt Ion: 75 Resp: 116595
Ion Ratio Lower Upper
75 100
77 1.8 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.605 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070484.D
Acq: 27 Sep 2021 18:15

Tgt Ion: 75 Resp: 116595
Ion Ratio Lower Upper
75 100
53 0.4 64.2 96.2#
89 0.6 35.6 53.4#

