

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062223\
 Data File : VD076543.D
 Acq On : 22 Jun 2023 17:13
 Operator : KP/SY
 Sample : 03363-01
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP

Quant Time: Jun 23 06:37:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

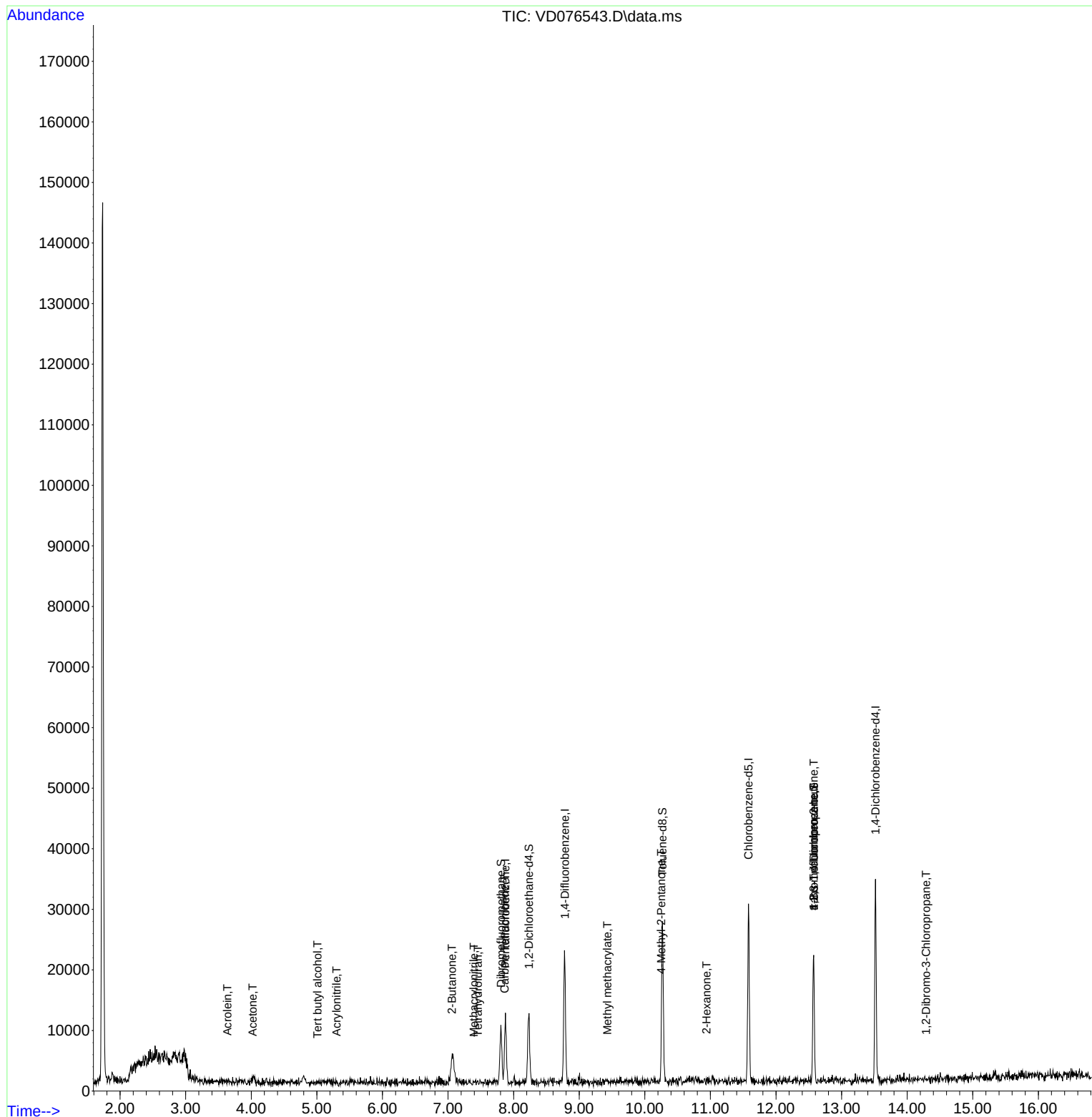
Internal Standards						
1) Pentafluorobenzene	7.875	168	8611	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	16931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	15565	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	8571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	7851	91.000	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 182.000%#	
35) Dibromofluoromethane	7.811	113	6153	61.174	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.340%	
50) Toluene-d8	10.269	98	18872	49.474	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.940%	
62) 4-Bromofluorobenzene	12.575	95	6300	50.890	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.780%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.011	59	62	8.323	ug/l #	73
13) Acrolein	3.634	56	78	9.722	ug/l #	15
15) Acrylonitrile	5.299	53	140	5.791	ug/l #	35
16) Acetone	4.022	43	1542	75.109	ug/l #	32
20) Methylene Chloride	4.799	84	464	Below Cal	#	85
25) 2-Butanone	7.058	43	137	4.314	ug/l #	37
29) Tetrahydrofuran	7.458	42	61	2.989	ug/l #	23
31) Cyclohexane	7.852	56	63	Below Cal	#	8
38) Carbon Tetrachloride	7.863	117	806	6.402	ug/l #	11
41) Methacrylonitrile	7.393	41	54	1.172	ug/l #	1
48) Methyl methacrylate	9.428	41	137	1.934	ug/l #	17
51) 4-Methyl-2-Pentanone	10.252	43	83	1.051	ug/l #	28
59) 2-Hexanone	10.940	43	171	3.112	ug/l	89
76) 1,2,3-Trichloropropane	12.575	75	3765	44.260	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	3765	96.984	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.287	75	63	3.515	ug/l #	1

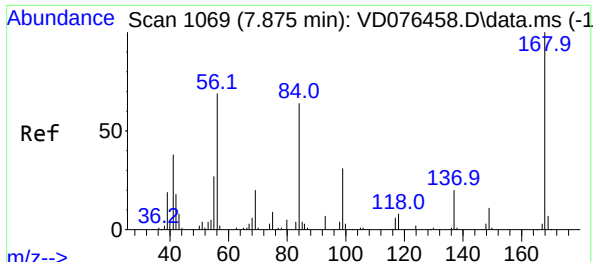
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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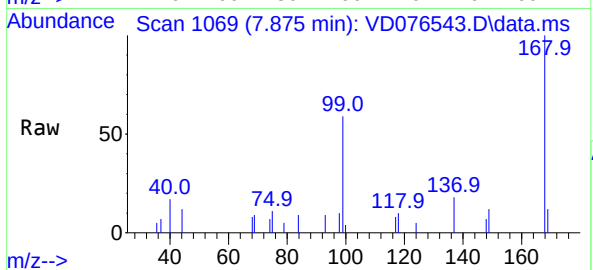
Quant Time: Jun 23 06:37:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 19 04:51:45 2023
Response via : Initial Calibration



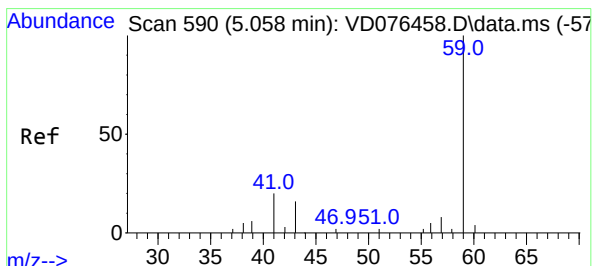
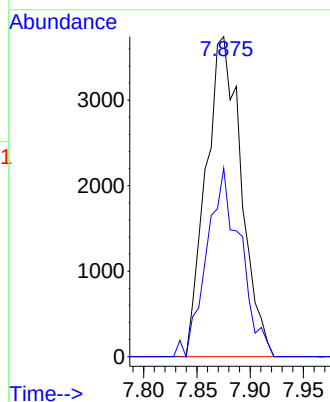
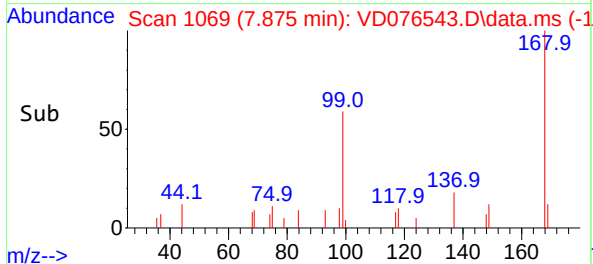


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

Instrument :
MSVOA_D
ClientSampleId :
SP

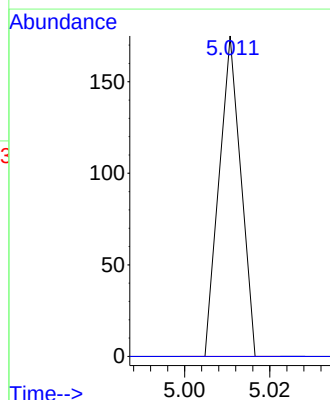
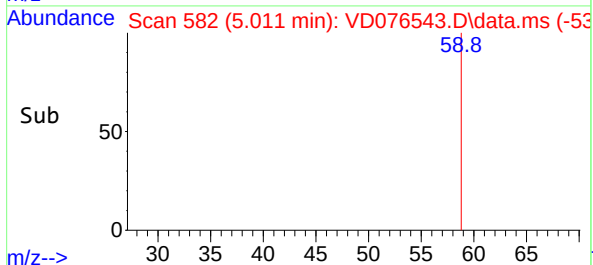
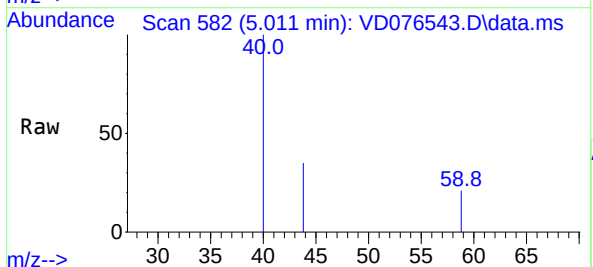


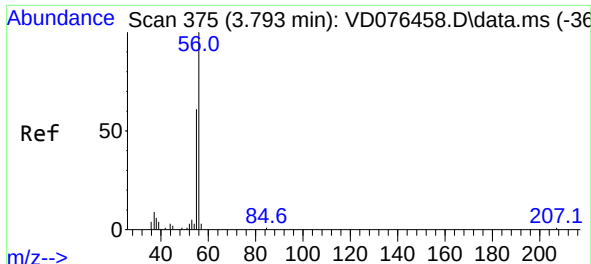
Tgt Ion:168 Resp: 8611
Ion Ratio Lower Upper
168 100
99 58.9 36.7 55.1#



#11
Tert butyl alcohol
Concen: 8.323 ug/l
RT: 5.011 min Scan# 582
Delta R.T. -0.047 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

Tgt Ion: 59 Resp: 62
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

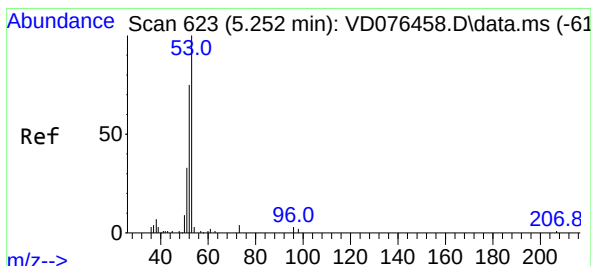
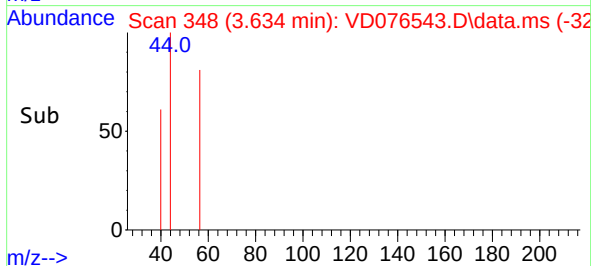
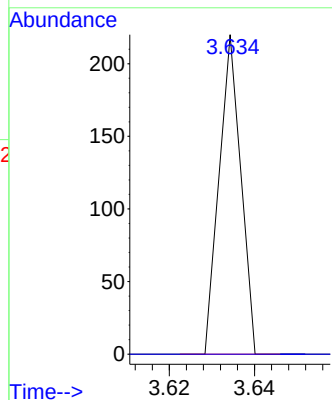
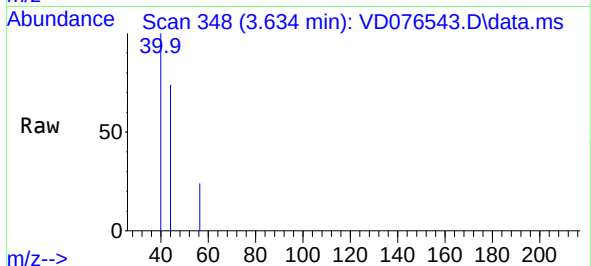




#13
Acrolein
Concen: 9.722 ug/l
RT: 3.634 min Scan# 341
Delta R.T. -0.159 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

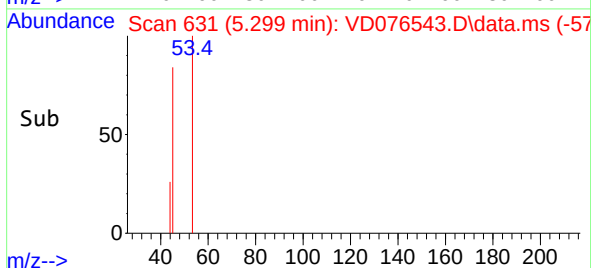
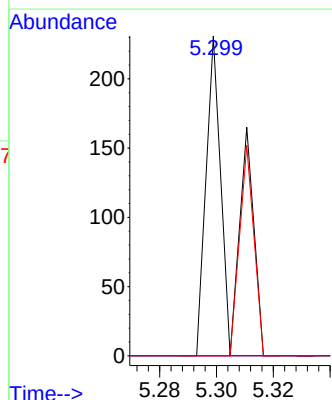
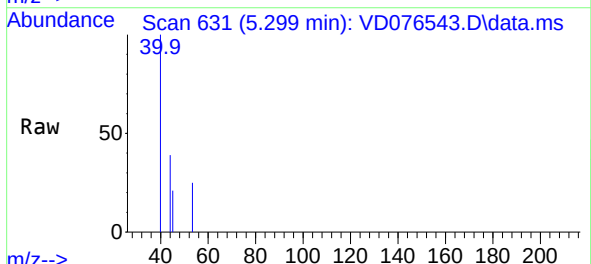
Instrument :
MSVOA_D
ClientSampleId :
SP

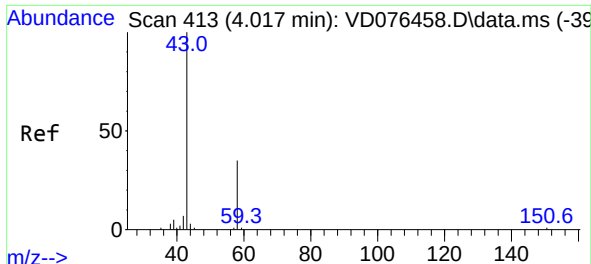
Tgt Ion: 56 Resp: 78
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#15
Acrylonitrile
Concen: 5.791 ug/l
RT: 5.299 min Scan# 631
Delta R.T. 0.047 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

Tgt Ion: 53 Resp: 140
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 38.6 28.3 42.5

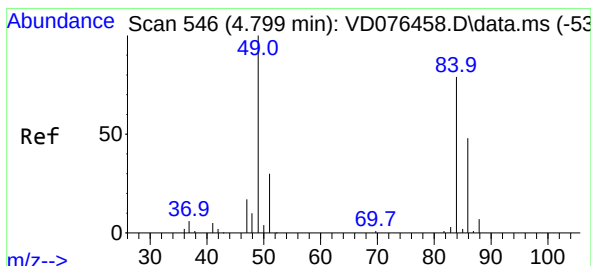
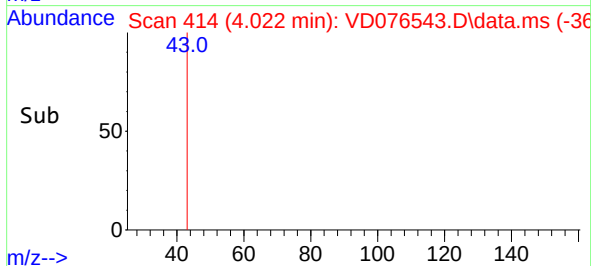
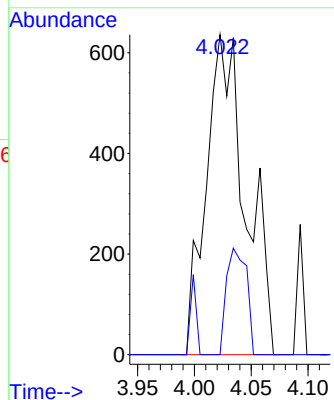
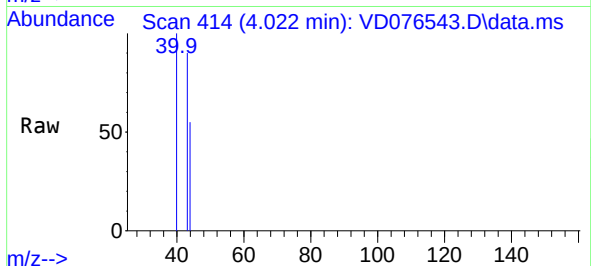




#16
Acetone
Concen: 75.109 ug/l
RT: 4.022 min Scan# 413
Delta R.T. 0.006 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

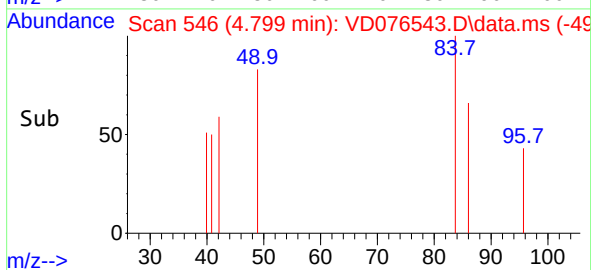
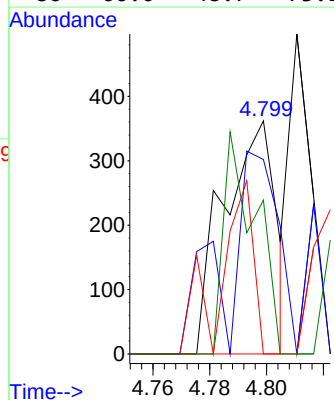
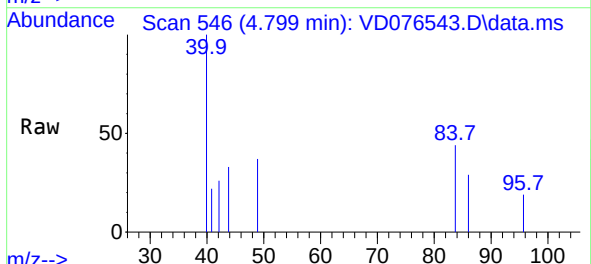
Instrument :
MSVOA_D
ClientSampleId :
SP

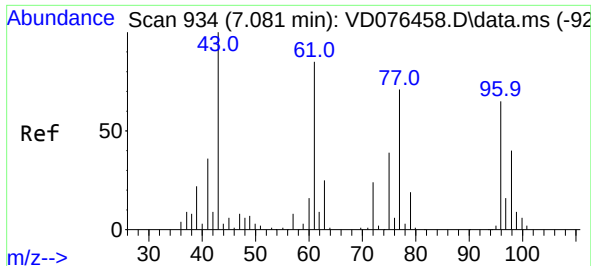
Tgt Ion: 43 Resp: 1542
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

Tgt Ion: 84 Resp: 464
Ion Ratio Lower Upper
84 100
49 83.4 71.4 107.2
51 0.0 24.5 36.7#
86 66.0 48.7 73.1

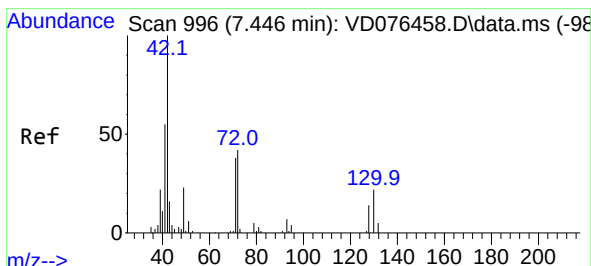
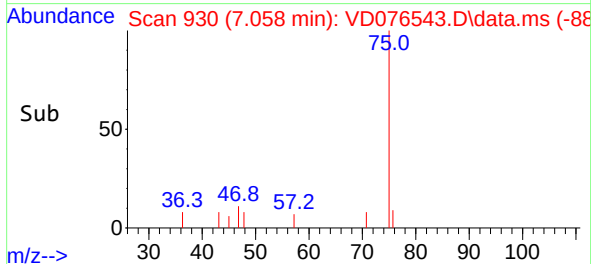
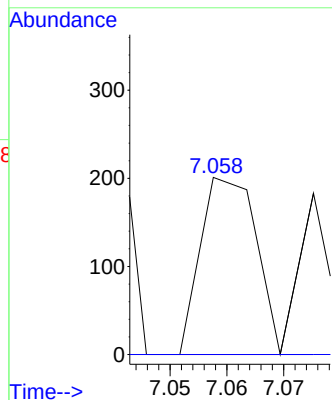
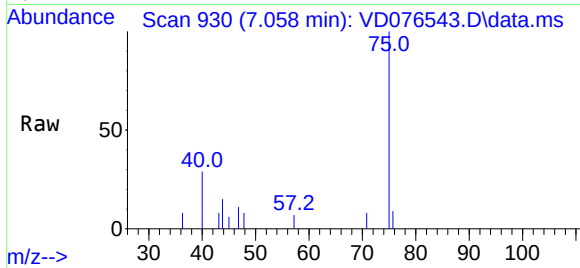




#25
2-Butanone
Concen: 4.314 ug/l
RT: 7.058 min Scan# 91
Delta R.T. -0.023 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

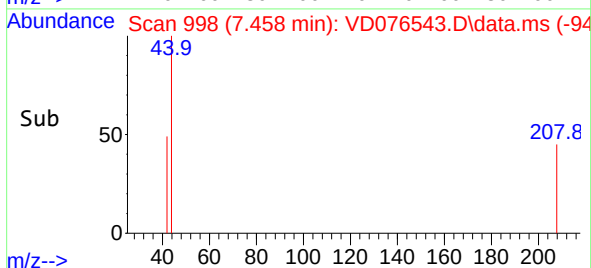
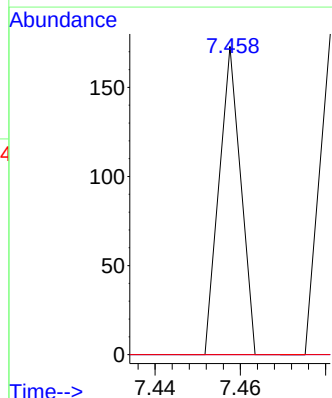
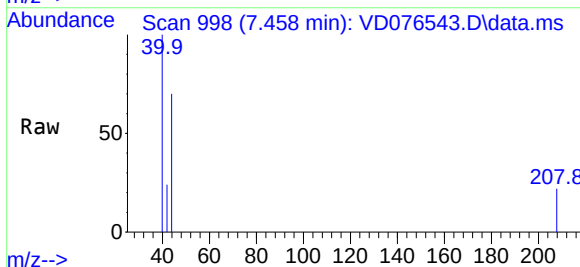
Instrument :
MSVOA_D
ClientSampleId :
SP

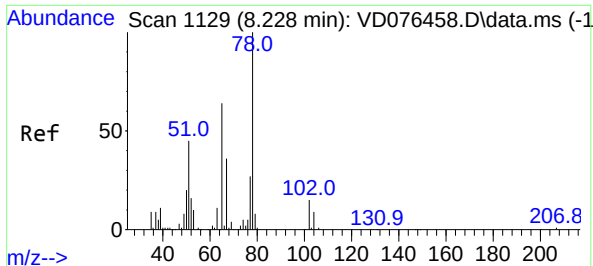
Tgt Ion: 43 Resp: 137
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#29
Tetrahydrofuran
Concen: 2.989 ug/l
RT: 7.458 min Scan# 998
Delta R.T. 0.012 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

Tgt Ion: 42 Resp: 61
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 0.0 44.5 66.7#

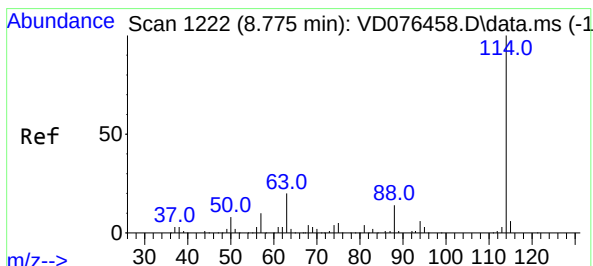
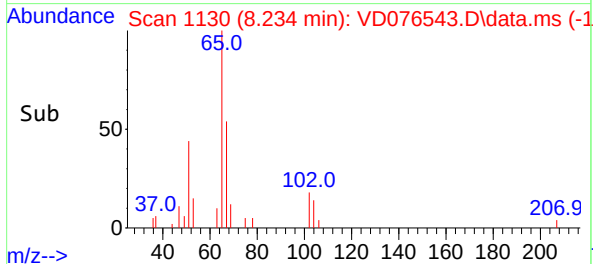
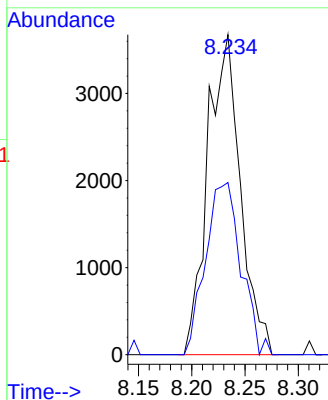
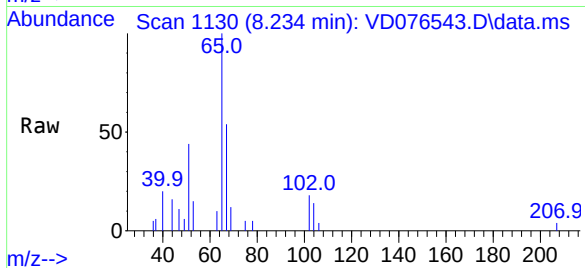




#33
1,2-Dichloroethane-d4
Concen: 91.000 ug/l
RT: 8.234 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

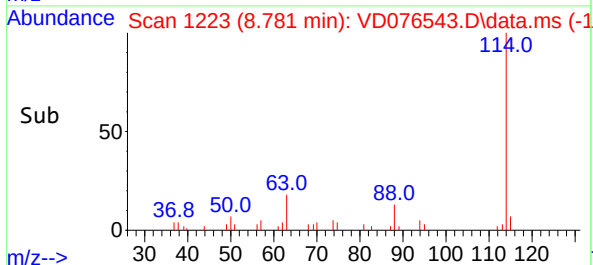
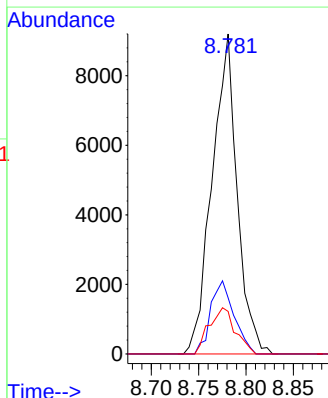
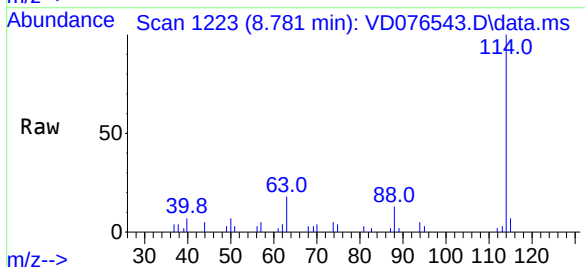
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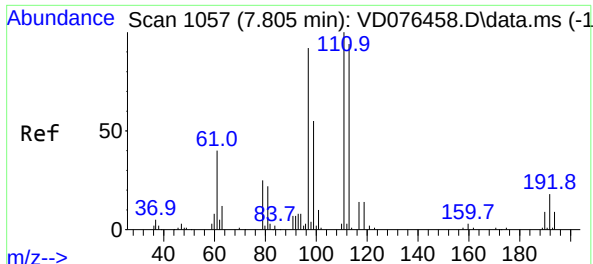
Tgt Ion: 65 Resp: 7851
Ion Ratio Lower Upper
65 100
67 58.3 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

Tgt Ion: 114 Resp: 16931
Ion Ratio Lower Upper
114 100
63 17.5 0.0 33.4
88 13.3 0.0 26.2

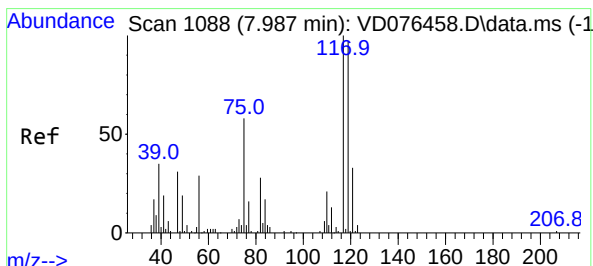
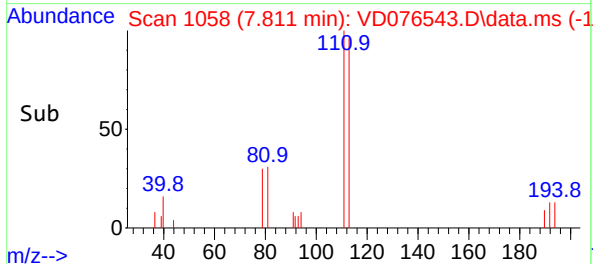
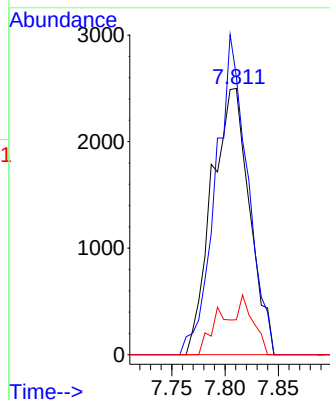
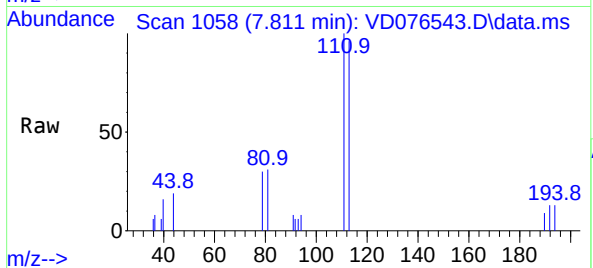




#35
Dibromofluoromethane
Concen: 61.174 ug/l
RT: 7.811 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

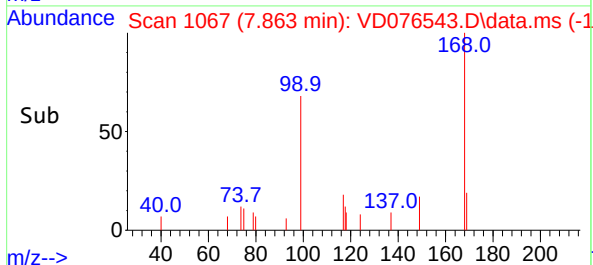
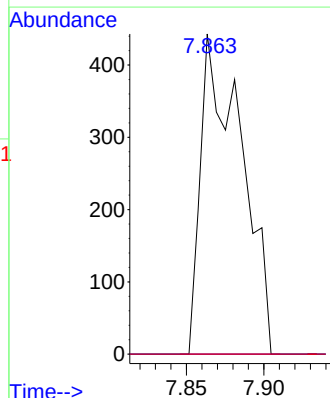
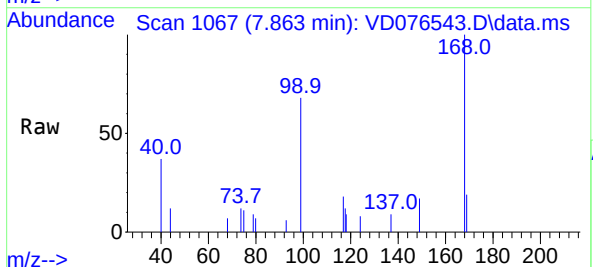
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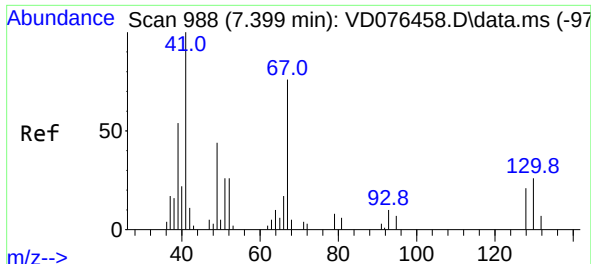
Tgt Ion:113 Resp: 6153
Ion Ratio Lower Upper
113 100
111 101.9 84.7 127.1
192 10.0 16.8 25.2#



#38
Carbon Tetrachloride
Concen: 6.402 ug/l
RT: 7.863 min Scan# 1067
Delta R.T. -0.123 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

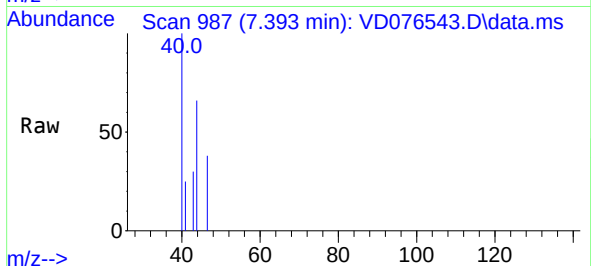
Tgt Ion:117 Resp: 806
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#





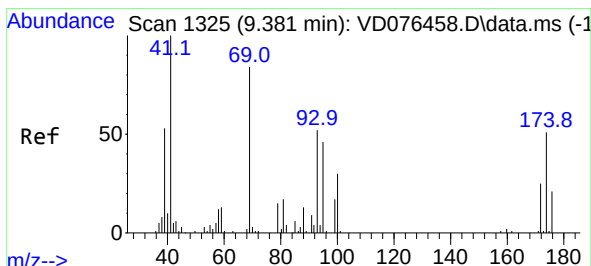
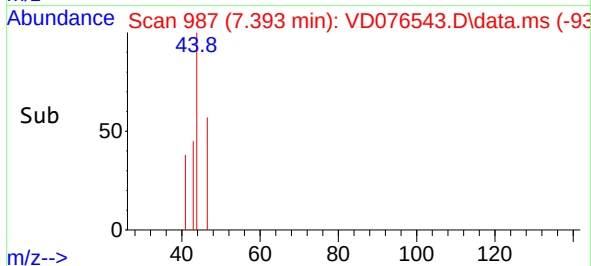
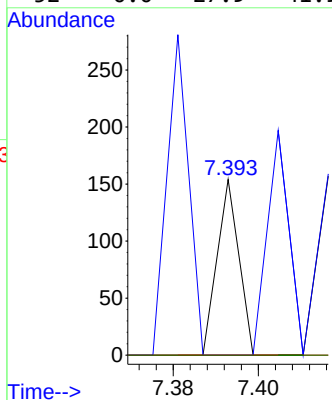
#41
Methacrylonitrile
Concen: 1.172 ug/l
RT: 7.393 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

Instrument :
MSVOA_D
ClientSampleId :
SP



Tgt Ion: 41 Resp: 54

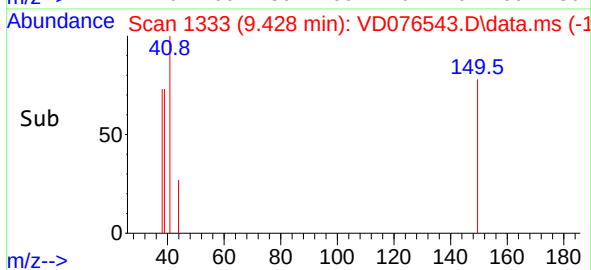
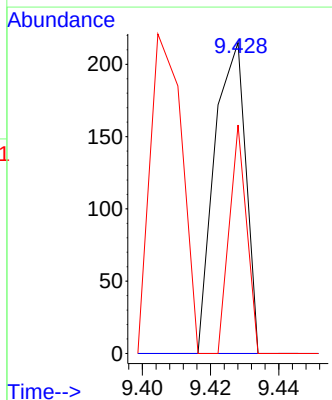
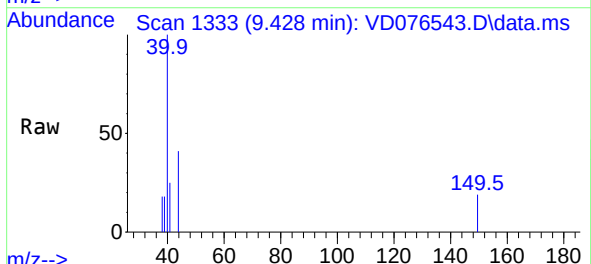
Ion	Ratio	Lower	Upper
41	100		
39	129.6	34.0	51.0#
67	0.0	77.0	115.4#
52	0.0	27.9	41.9#

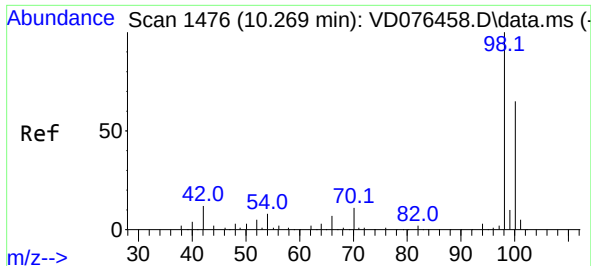


#48
Methyl methacrylate
Concen: 1.934 ug/l
RT: 9.428 min Scan# 1333
Delta R.T. 0.047 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

Tgt Ion: 41 Resp: 137

Ion	Ratio	Lower	Upper
41	100		
69	0.0	102.2	153.2#
39	40.9	41.4	62.2#

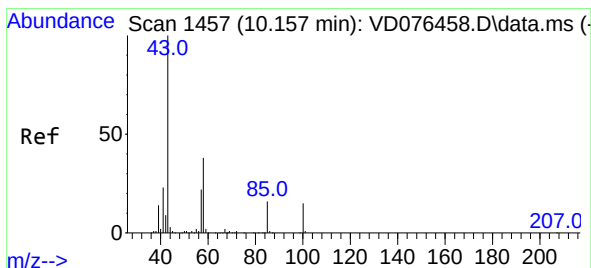
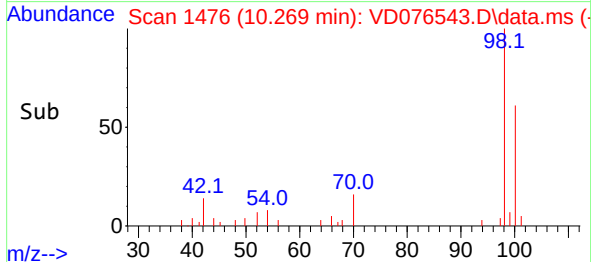
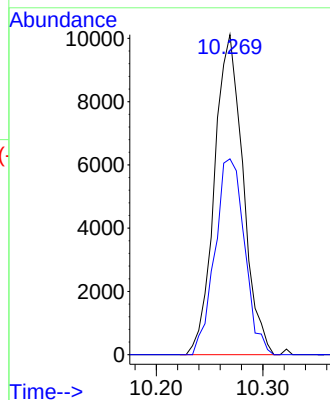
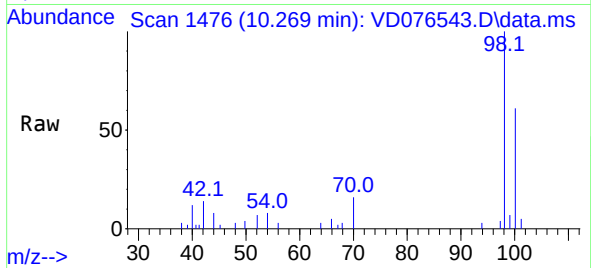




#50
Toluene-d8
Concen: 49.474 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

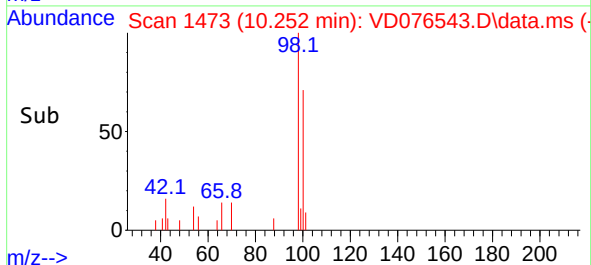
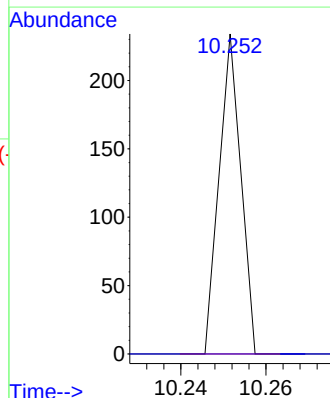
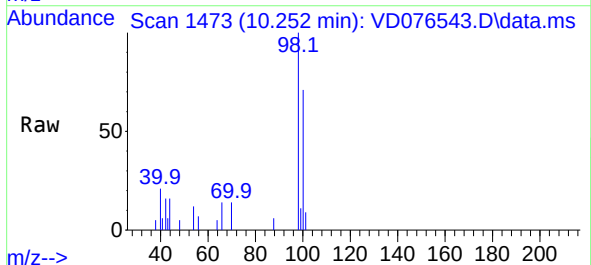
Instrument :
MSVOA_D
ClientSampleId :
SP

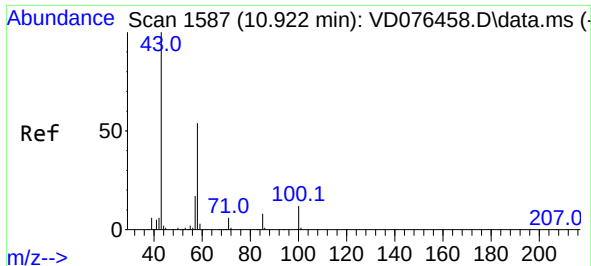
Tgt Ion: 98 Resp: 18872
Ion Ratio Lower Upper
98 100
100 63.4 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.051 ug/l
RT: 10.252 min Scan# 1473
Delta R.T. 0.094 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

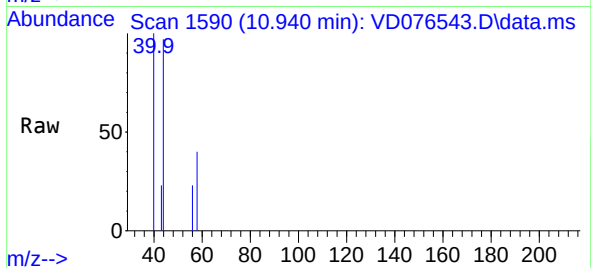
Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
58 0.0 38.9 58.3#



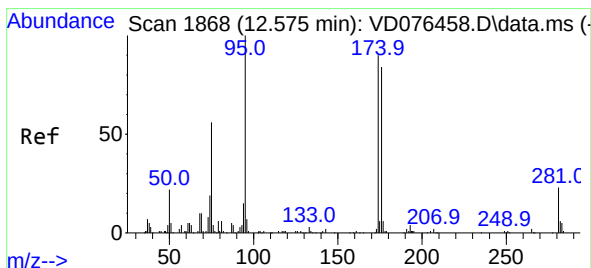
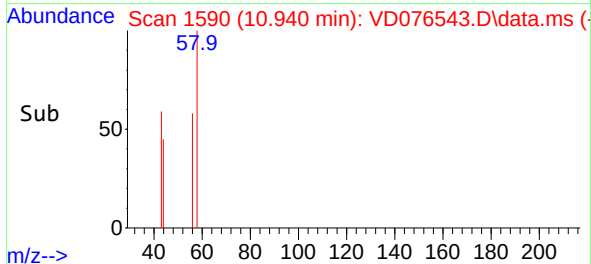
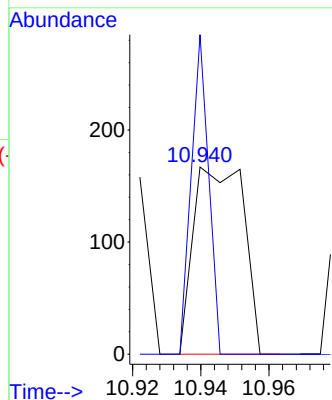


#59
2-Hexanone
Concen: 3.112 ug/l
RT: 10.940 min Scan# 11
Delta R.T. 0.018 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

Instrument :
MSVOA_D
ClientSampleId :
SP

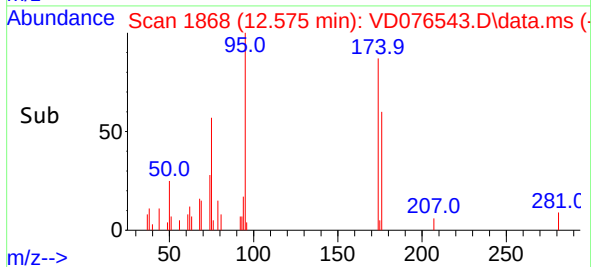
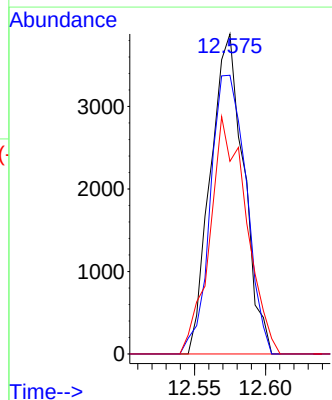
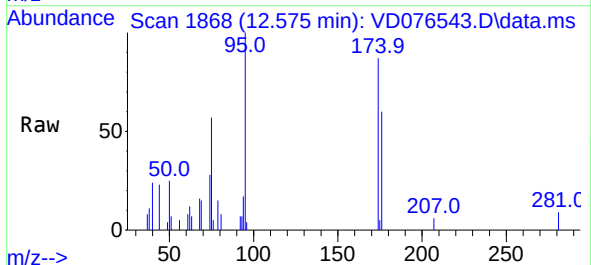


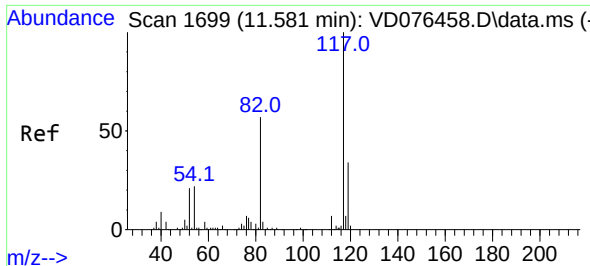
Tgt Ion: 43 Resp: 171
Ion Ratio Lower Upper
43 100
58 59.1 34.1 102.2



#62
4-Bromofluorobenzene
Concen: 50.890 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

Tgt Ion: 95 Resp: 6300
Ion Ratio Lower Upper
95 100
174 93.8 0.0 201.8
176 81.3 0.0 191.8

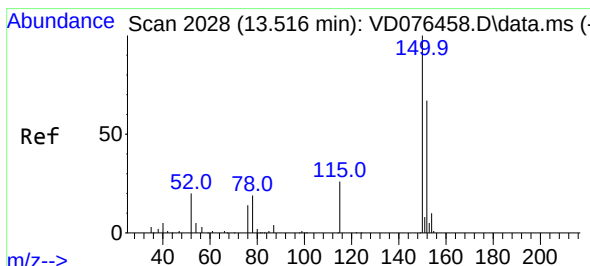
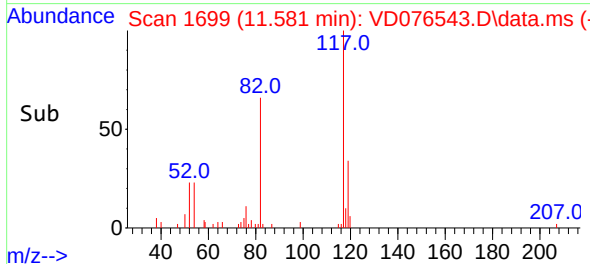
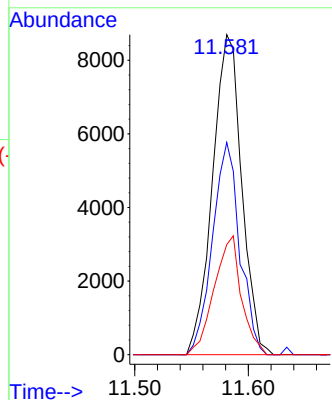
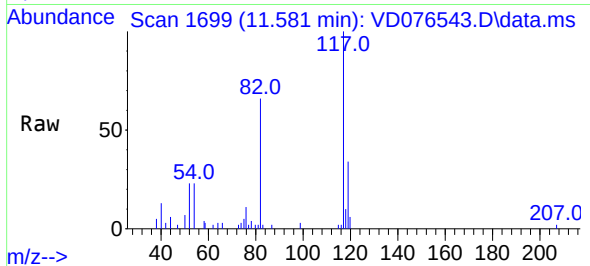




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

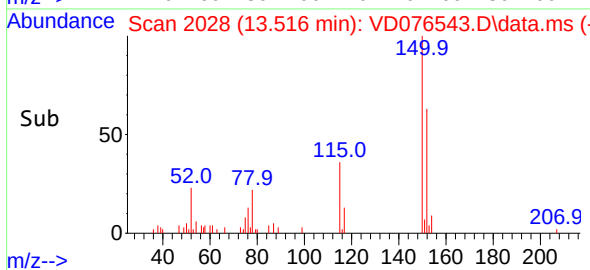
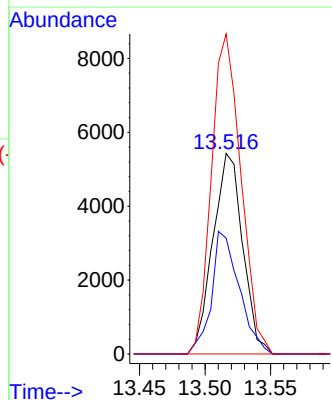
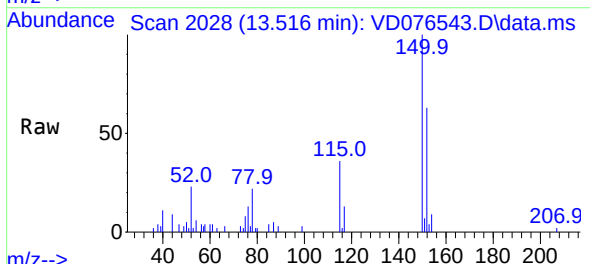
Instrument :
MSVOA_D
ClientSampleId :
SP

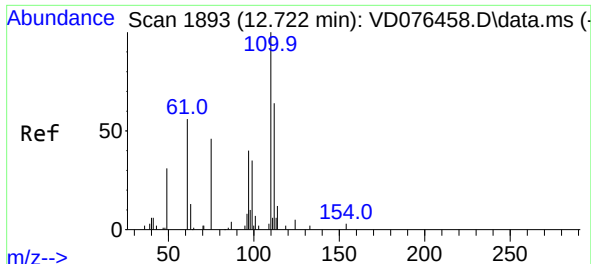
Tgt Ion:117 Resp: 15565
Ion Ratio Lower Upper
117 100
82 66.3 38.3 57.5#
119 34.4 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

Tgt Ion:152 Resp: 8571
Ion Ratio Lower Upper
152 100
115 56.8 27.1 81.3
150 158.0 0.0 353.6

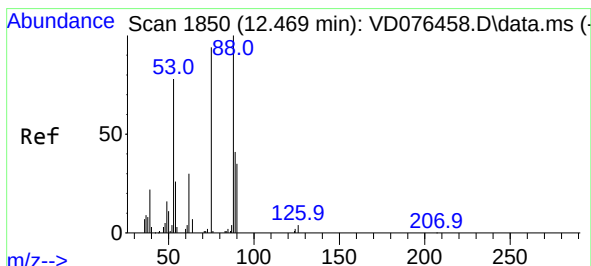
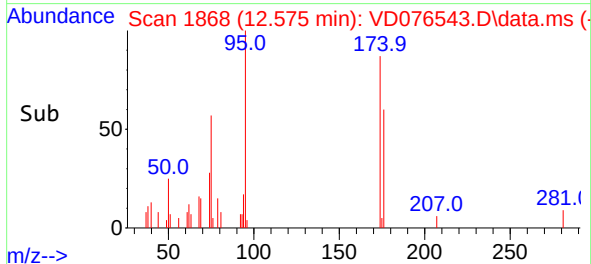
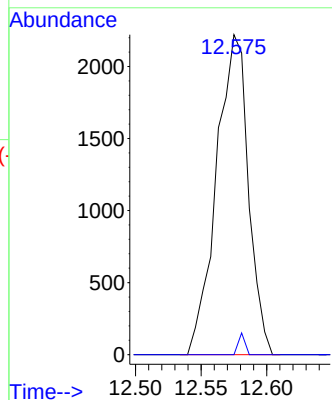
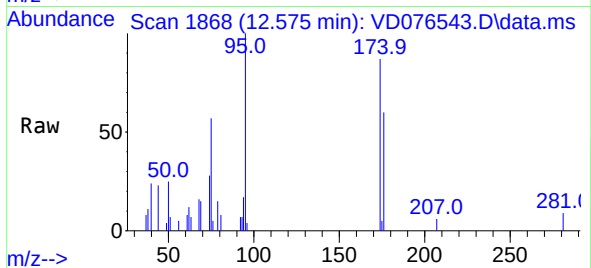




#76
1,2,3-Trichloropropane
Concen: 44.260 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

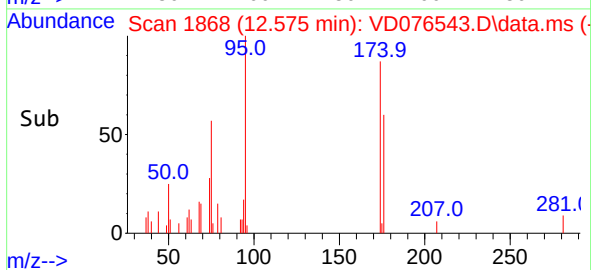
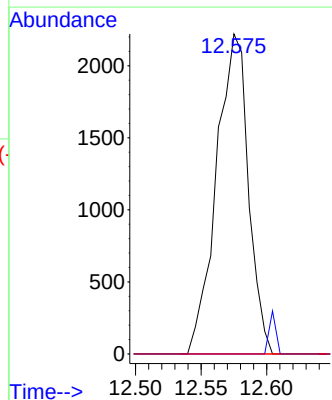
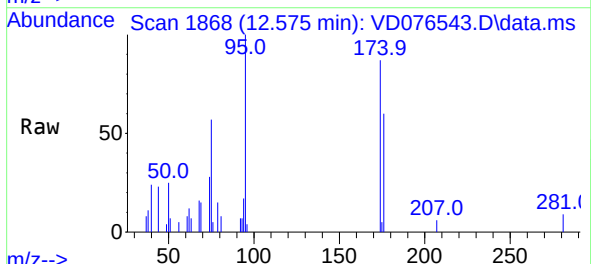
Instrument :
MSVOA_D
ClientSampleId :
SP

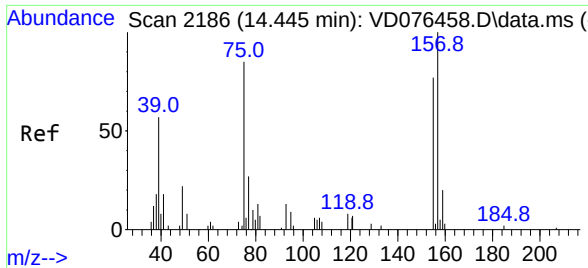
Tgt Ion: 75 Resp: 3765
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.984 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076543.D
Acq: 22 Jun 2023 17:13

Tgt Ion: 75 Resp: 3765
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.515 ug/l
 RT: 14.287 min Scan# 21
 Delta R.T. -0.159 min
 Lab File: VD076543.D
 Acq: 22 Jun 2023 17:13

Instrument :
 MSVOA_D
 ClientSampleId :
 SP

Tgt Ion:	75	Resp:	63
Ion	Ratio	Lower	Upper
75	100		
155	0.0	47.9	143.8#
157	0.0	59.9	179.7#

