

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102522\
 Data File : VD074635.D
 Acq On : 25 Oct 2022 16:21
 Operator : VA/SY
 Sample : N5267-19
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP7-1024

Quant Time: Oct 27 01:22:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

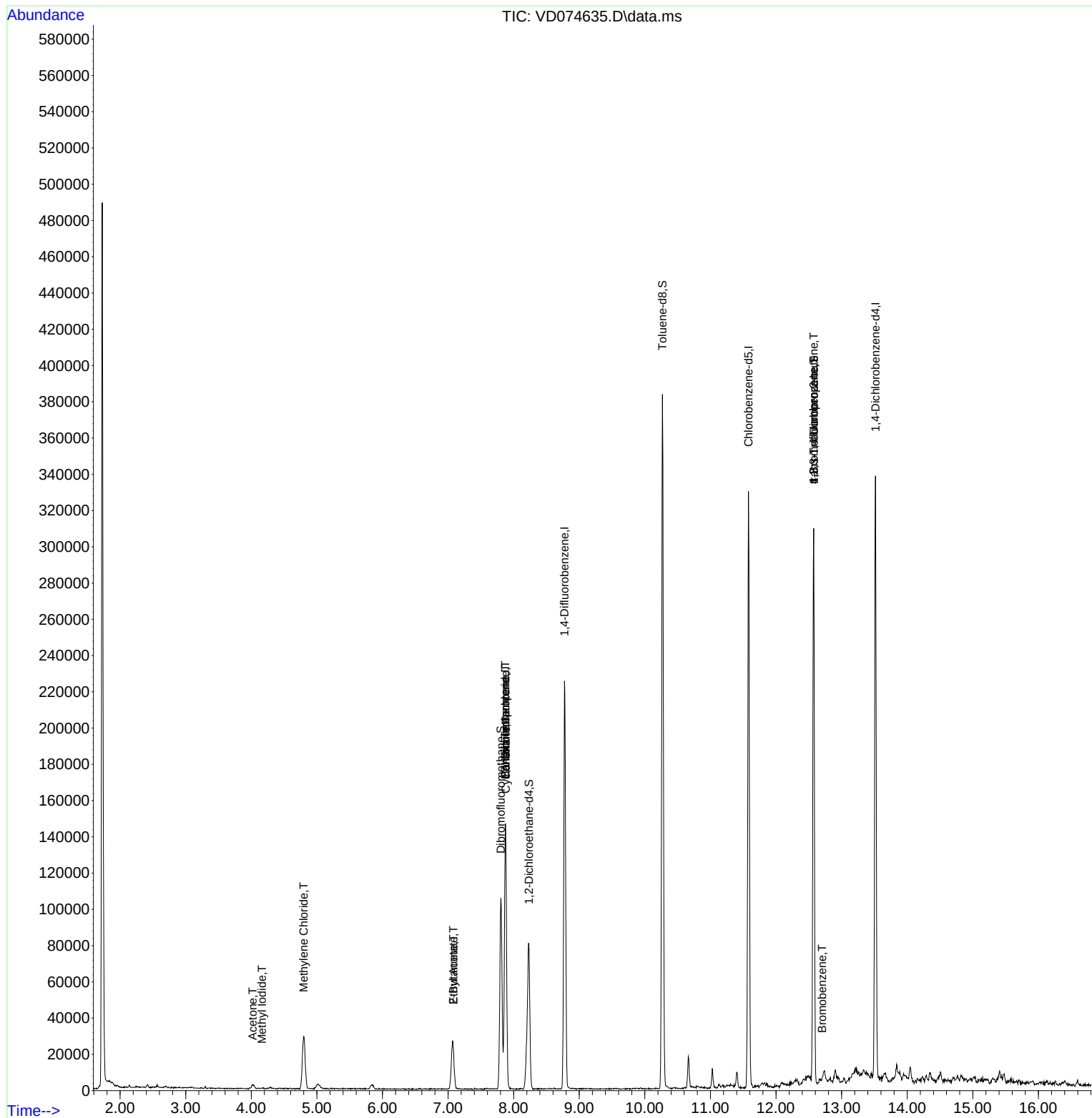
Internal Standards						
1) Pentafluorobenzene	7.875	168	122671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	216412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	203285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	95841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	58790	62.772	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.540%	
35) Dibromofluoromethane	7.804	113	78659	65.955	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 131.900%	
50) Toluene-d8	10.269	98	279047	64.422	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 128.840%	
62) 4-Bromofluorobenzene	12.575	95	90771	73.764	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 147.520%#	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.163	142	636	4.285	ug/l #	43
11) Tert butyl alcohol	5.022	59	3063	Below Cal	#	84
16) Acetone	4.022	43	4187	20.473	ug/l	91
18) Methyl Acetate	4.287	43	178	Below Cal	#	44
20) Methylene Chloride	4.798	84	26428	8.426	ug/l	95
25) 2-Butanone	7.081	43	1768	6.465	ug/l #	81
31) Cyclohexane	7.881	56	2071	1.101	ug/l #	3
36) 1,1-Dichloropropene	7.875	75	8231	4.234	ug/l #	47
37) Ethyl Acetate	7.081	43	1768	2.882	ug/l #	23
38) Carbon Tetrachloride	7.875	117	11509	6.046	ug/l #	19
76) 1,2,3-Trichloropropane	12.575	75	44470	53.139	ug/l #	1
77) Bromobenzene	12.704	156	1788	1.060	ug/l #	3
81) trans-1,4-Dichloro-2-b...	12.575	75	44470	135.798	ug/l #	17

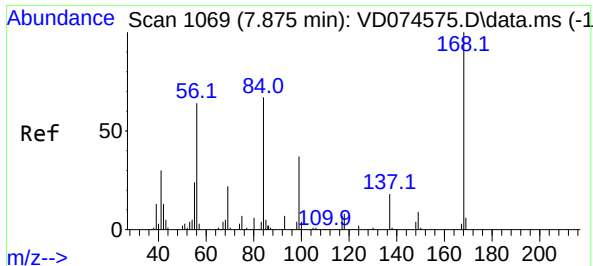
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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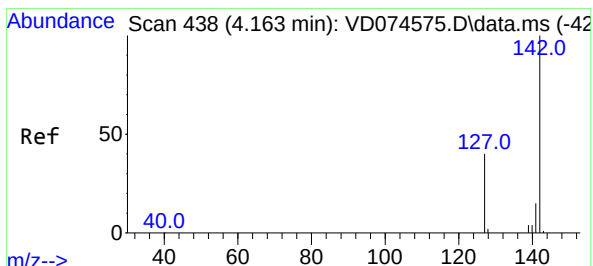
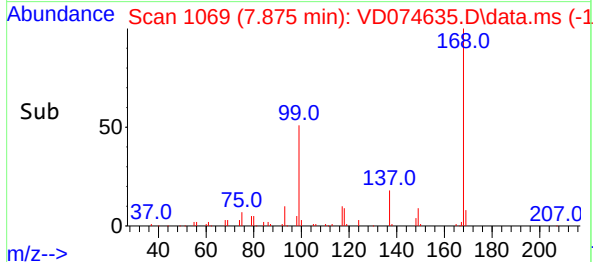
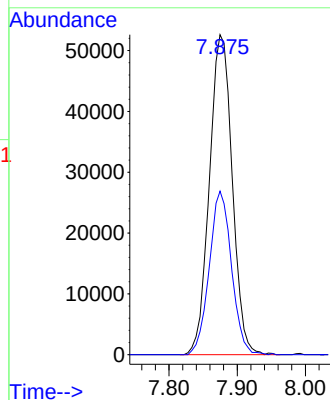
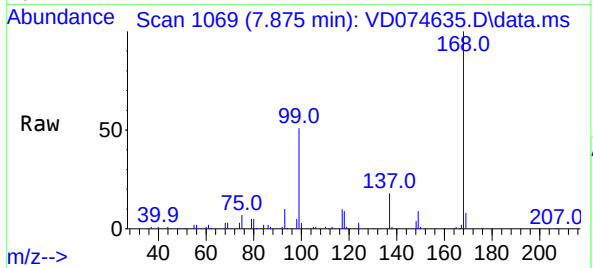




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074635.D
Acq: 25 Oct 2022 16:21

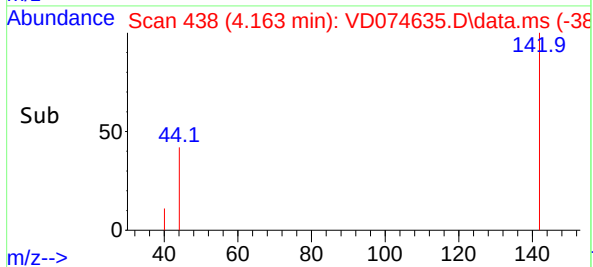
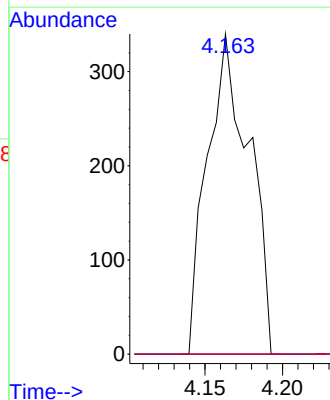
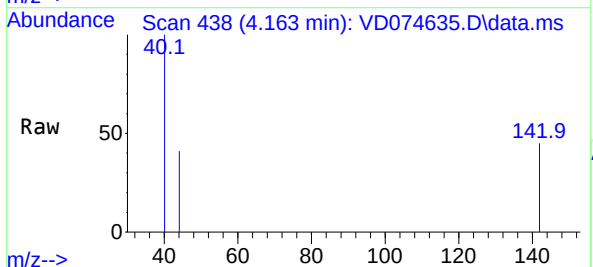
Instrument :
MSVOA_D
ClientSampleId :
TP7-1024

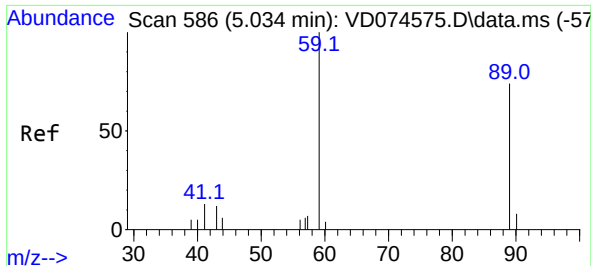
Tgt Ion:168 Resp: 122671
Ion Ratio Lower Upper
168 100
99 51.1 40.9 61.3



#10
Methyl Iodide
Concen: 4.285 ug/l
RT: 4.163 min Scan# 438
Delta R.T. 0.005 min
Lab File: VD074635.D
Acq: 25 Oct 2022 16:21

Tgt Ion:142 Resp: 636
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.022 min Scan# 51

Delta R.T. -0.030 min

Lab File: VD074635.D

Acq: 25 Oct 2022 16:21

Instrument :

MSVOA_D

ClientSampleId :

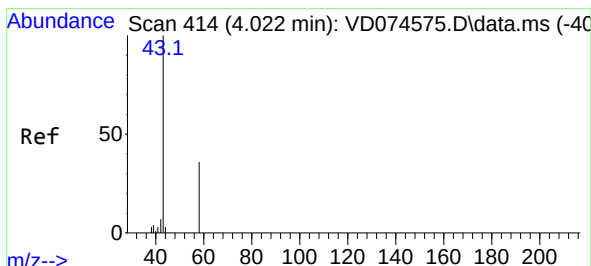
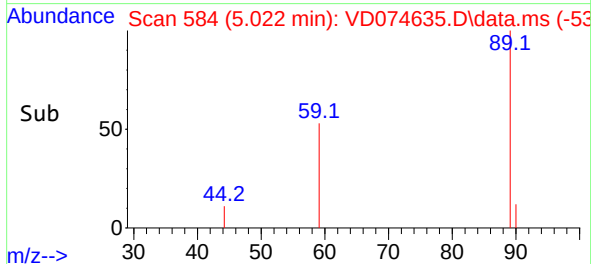
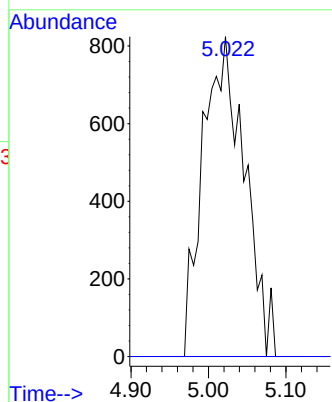
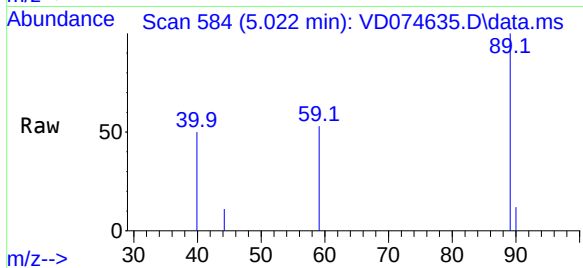
TP7-1024

Tgt Ion: 59 Resp: 3063

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 20.473 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD074635.D

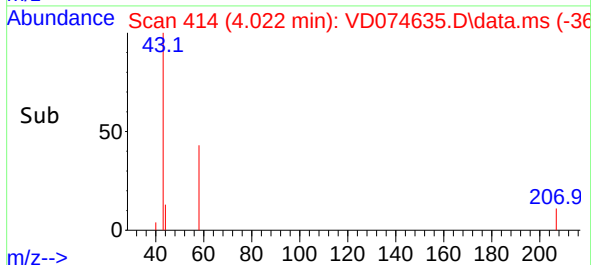
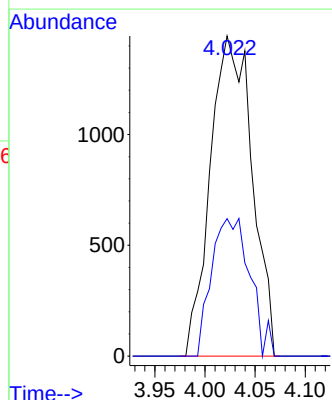
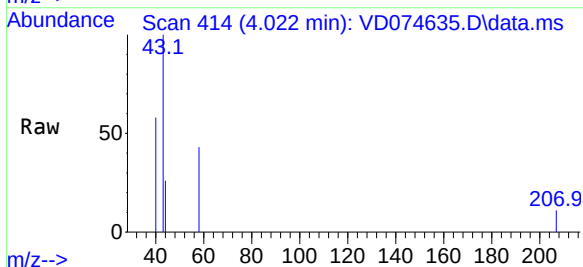
Acq: 25 Oct 2022 16:21

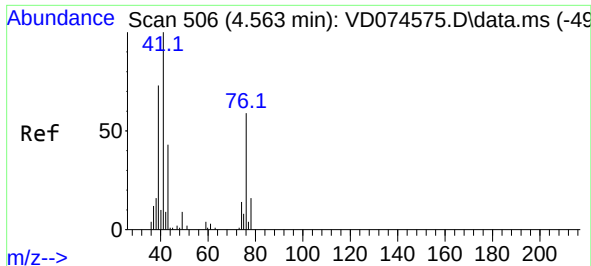
Tgt Ion: 43 Resp: 4187

Ion Ratio Lower Upper

43 100

58 42.9 30.2 45.2

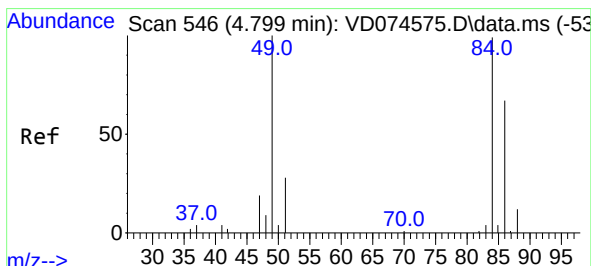
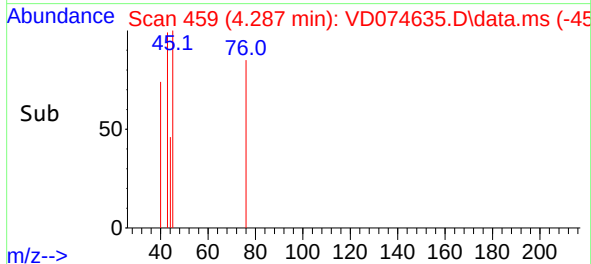
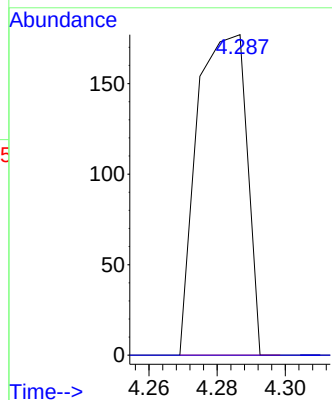
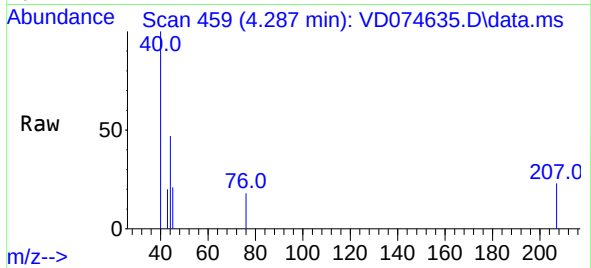




#18
Methyl Acetate
Concen: Below Cal
RT: 4.287 min Scan# 41
Delta R.T. -0.271 min
Lab File: VD074635.D
Acq: 25 Oct 2022 16:21

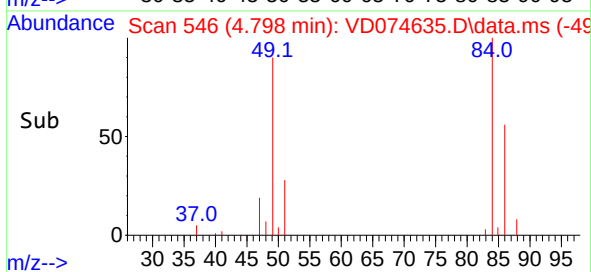
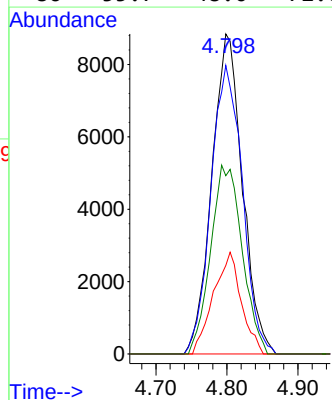
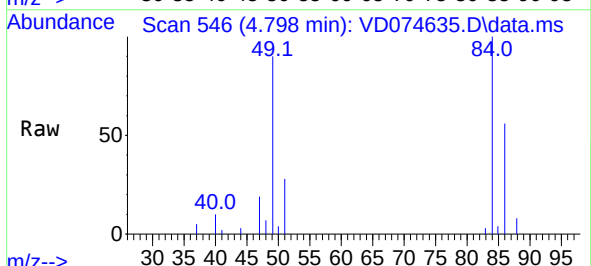
Instrument :
MSVOA_D
ClientSampleId :
TP7-1024

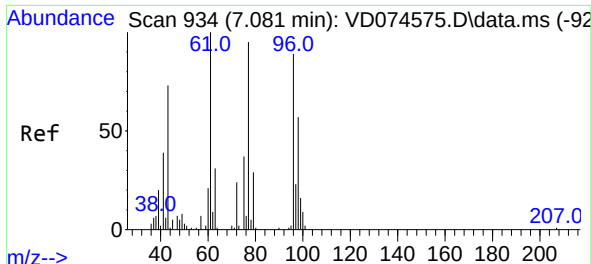
Tgt Ion: 43 Resp: 178
Ion Ratio Lower Upper
43 100
74 0.0 24.7 37.1#



#20
Methylene Chloride
Concen: 8.426 ug/l
RT: 4.798 min Scan# 546
Delta R.T. -0.001 min
Lab File: VD074635.D
Acq: 25 Oct 2022 16:21

Tgt Ion: 84 Resp: 26428
Ion Ratio Lower Upper
84 100
49 90.2 68.0 102.0
51 27.7 23.2 34.8
86 55.7 48.0 72.0

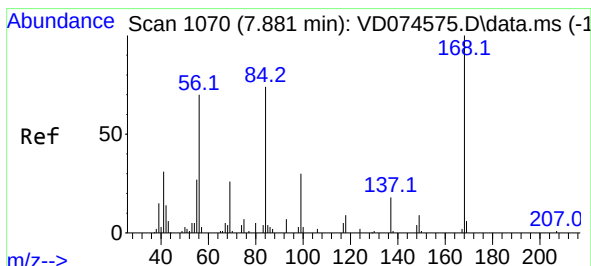
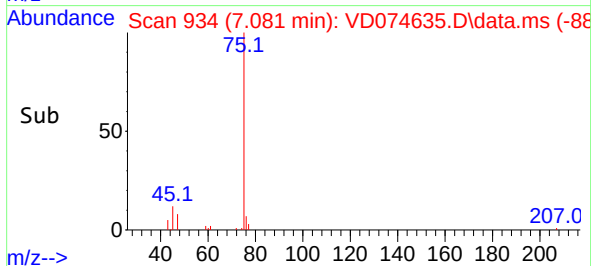
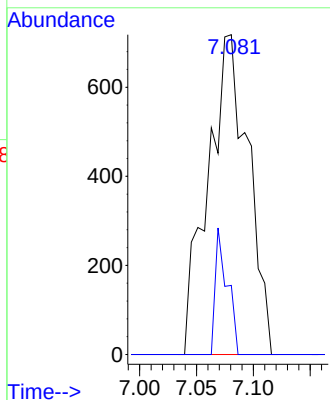
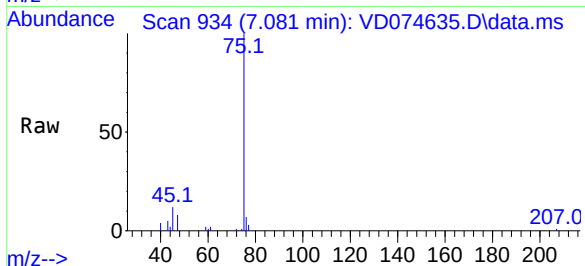




#25
2-Butanone
Concen: 6.465 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD074635.D
Acq: 25 Oct 2022 16:21

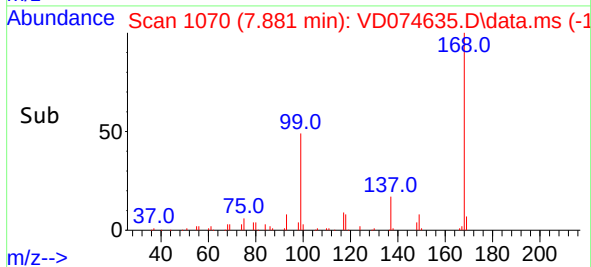
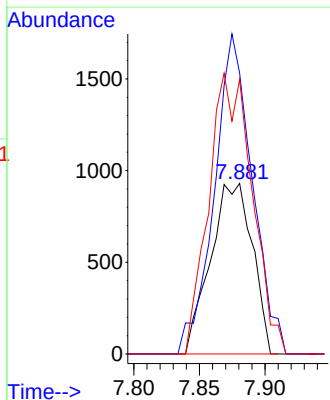
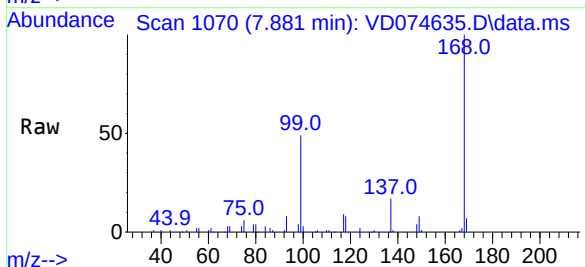
Instrument :
MSVOA_D
ClientSampleId :
TP7-1024

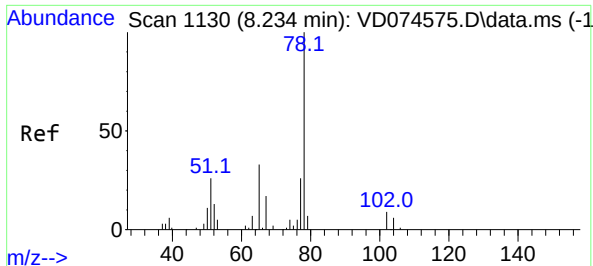
Tgt Ion: 43 Resp: 1768
Ion Ratio Lower Upper
43 100
72 21.6 25.8 38.8#



#31
Cyclohexane
Concen: 1.101 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD074635.D
Acq: 25 Oct 2022 16:21

Tgt Ion: 56 Resp: 2071
Ion Ratio Lower Upper
56 100
69 164.6 29.2 43.8#
84 160.9 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 62.772 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074635.D

Acq: 25 Oct 2022 16:21

Instrument :

MSVOA_D

ClientSampleId :

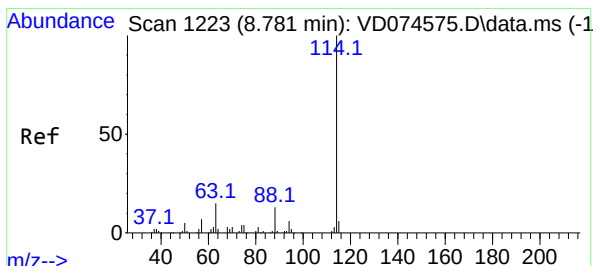
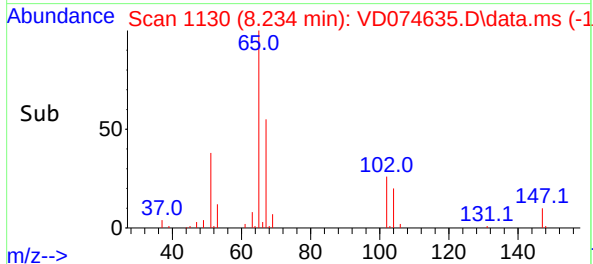
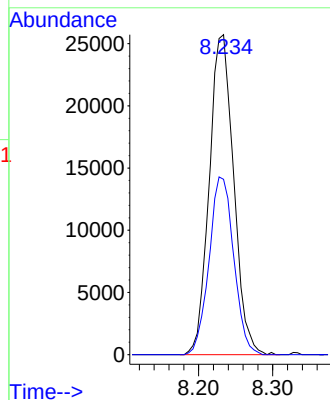
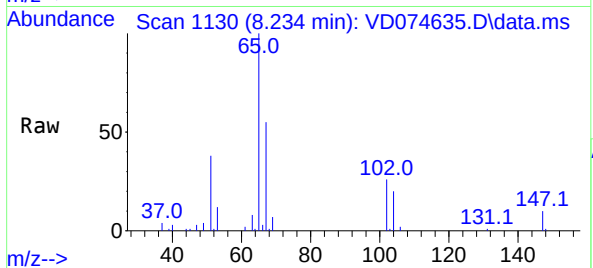
TP7-1024

Tgt Ion: 65 Resp: 58790

Ion Ratio Lower Upper

65 100

67 56.1 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD074635.D

Acq: 25 Oct 2022 16:21

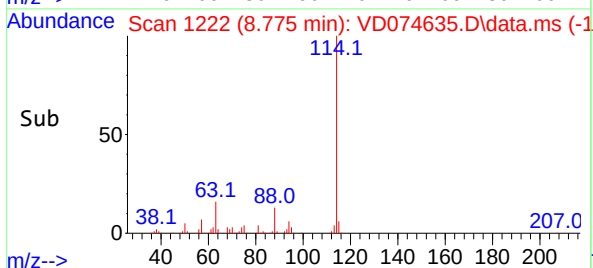
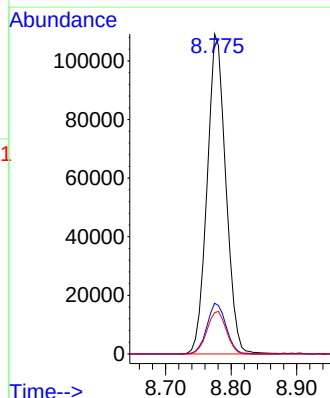
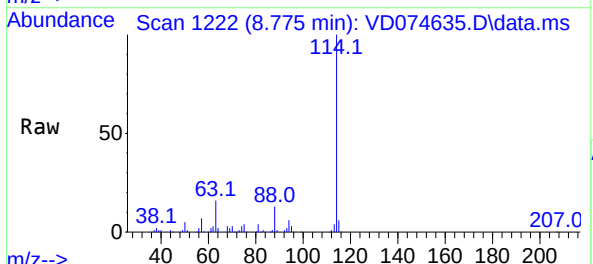
Tgt Ion: 114 Resp: 216412

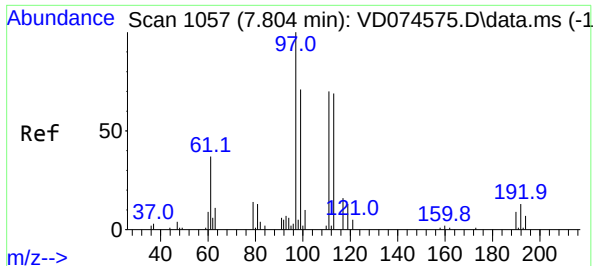
Ion Ratio Lower Upper

114 100

63 15.9 0.0 33.2

88 12.9 0.0 28.2

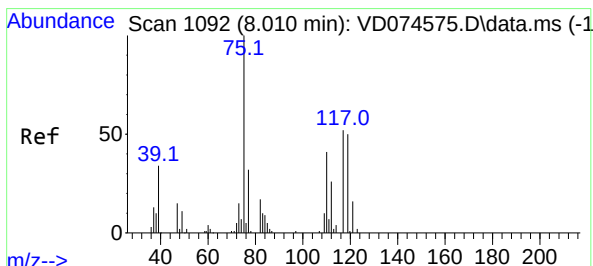
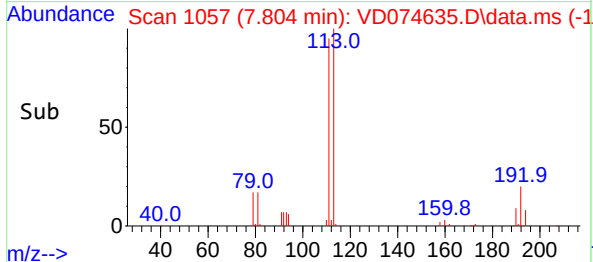
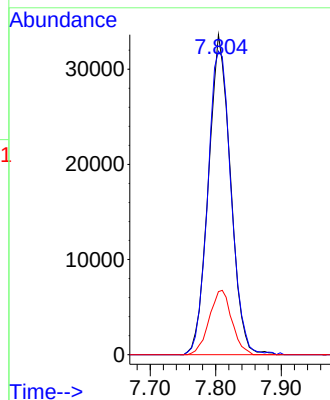
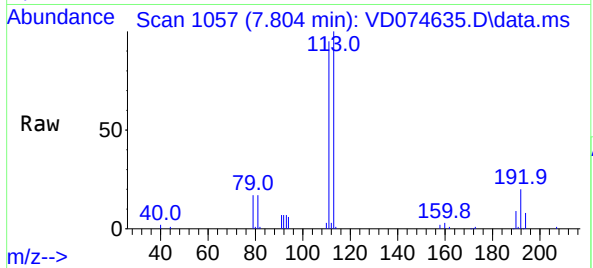




#35
Dibromofluoromethane
Concen: 65.955 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD074635.D
Acq: 25 Oct 2022 16:21

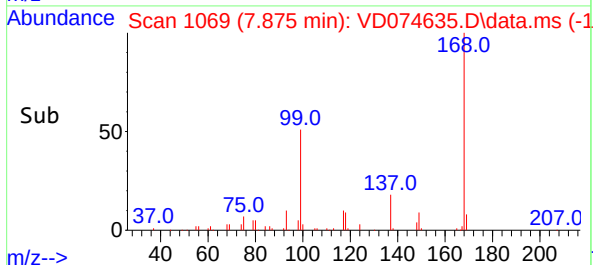
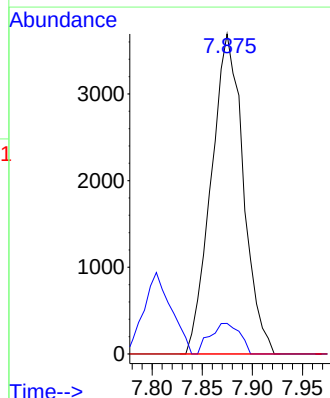
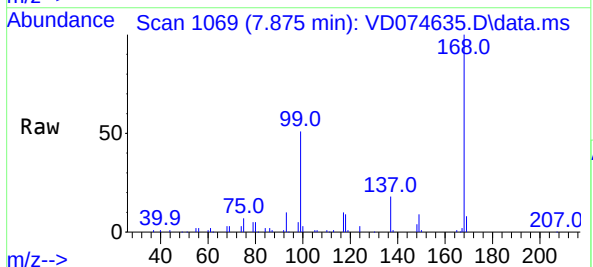
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TP7-1024

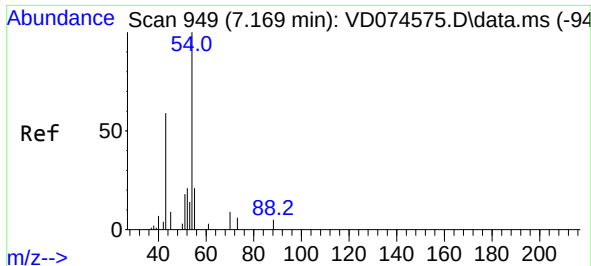
Tgt Ion:113 Resp: 78659
Ion Ratio Lower Upper
113 100
111 100.5 82.3 123.5
192 20.6 16.4 24.6



#36
1,1-Dichloropropene
Concen: 4.234 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD074635.D
Acq: 25 Oct 2022 16:21

Tgt Ion: 75 Resp: 8231
Ion Ratio Lower Upper
75 100
110 8.8 19.7 59.0#
77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 2.882 ug/l

RT: 7.081 min Scan# 91

Delta R.T. -0.088 min

Lab File: VD074635.D

Acq: 25 Oct 2022 16:21

Instrument :

MSVOA_D

ClientSampleId :

TP7-1024

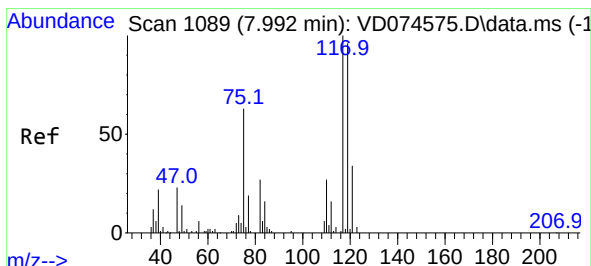
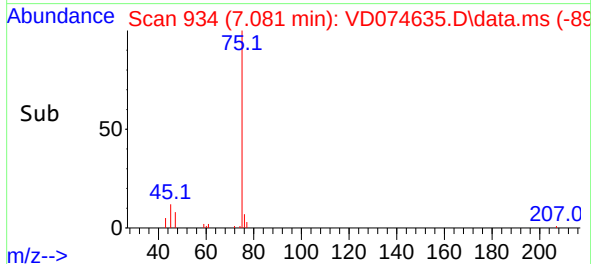
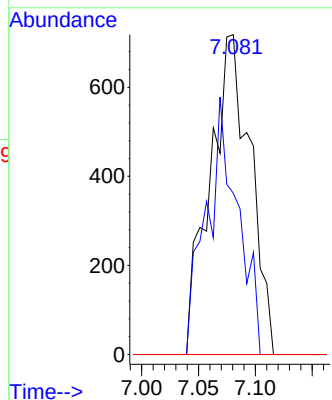
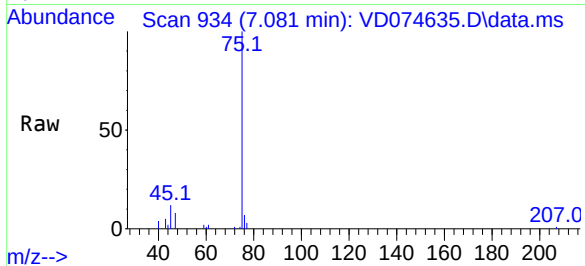
Tgt Ion: 43 Resp: 1768

Ion Ratio Lower Upper

43 100

61 62.4 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 6.046 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD074635.D

Acq: 25 Oct 2022 16:21

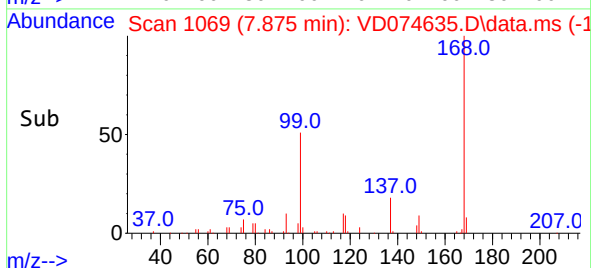
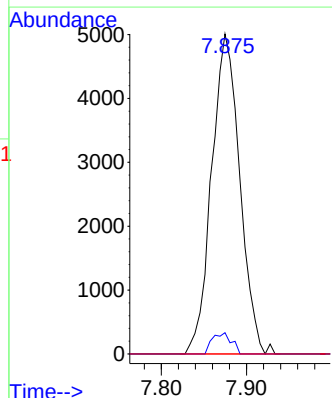
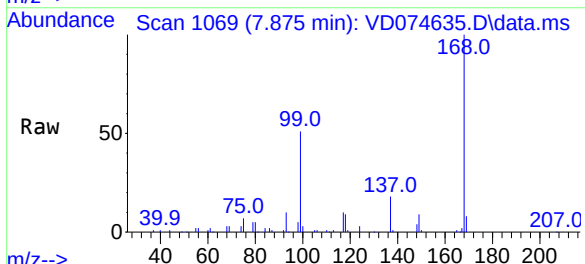
Tgt Ion: 117 Resp: 11509

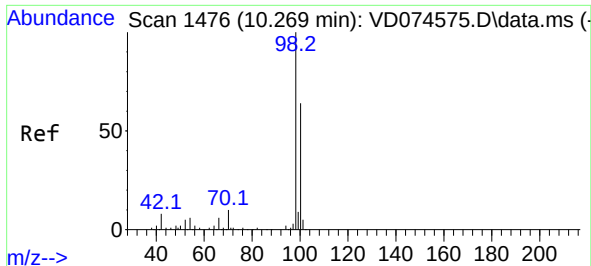
Ion Ratio Lower Upper

117 100

119 6.6 73.1 109.7#

121 0.0 25.0 37.6#

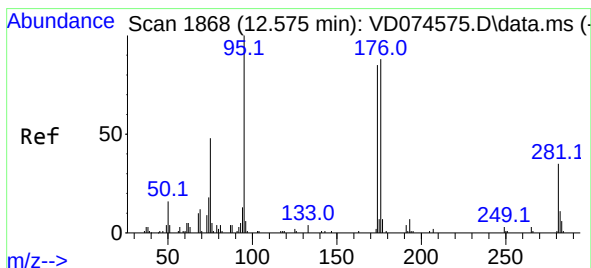
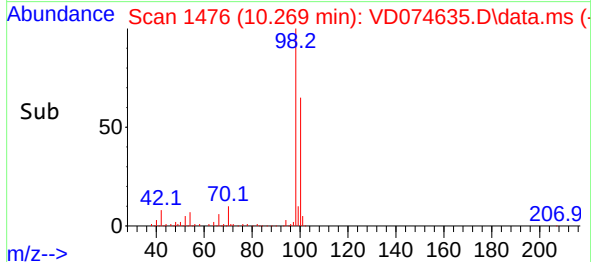
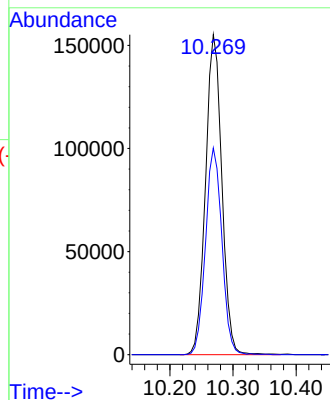
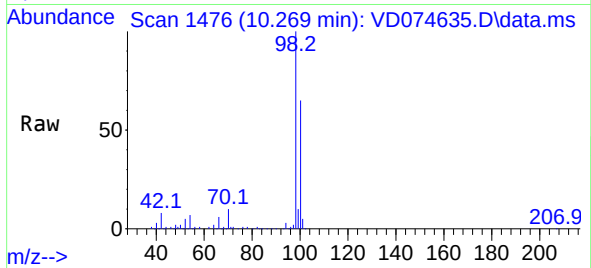




#50
Toluene-d8
Concen: 64.422 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074635.D
Acq: 25 Oct 2022 16:21

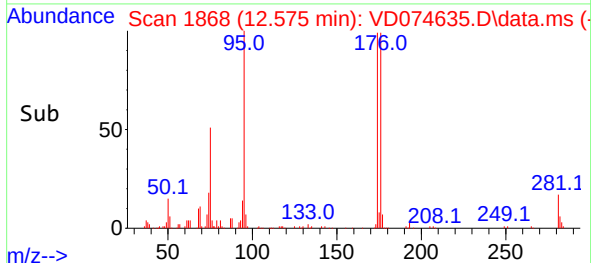
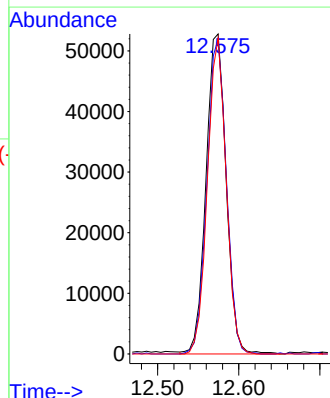
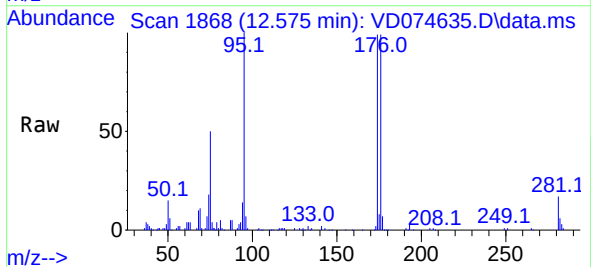
Instrument :
MSVOA_D
ClientSampleId :
TP7-1024

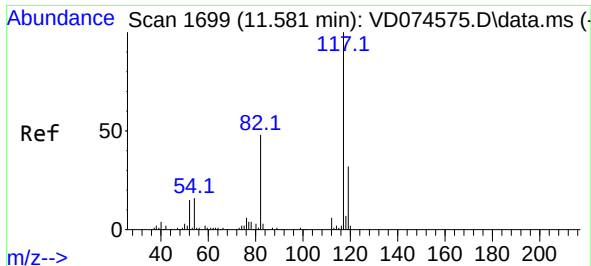
Tgt Ion: 98 Resp: 279047
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 73.764 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.005 min
Lab File: VD074635.D
Acq: 25 Oct 2022 16:21

Tgt Ion: 95 Resp: 90771
Ion Ratio Lower Upper
95 100
174 95.1 0.0 197.0
176 91.6 0.0 182.6

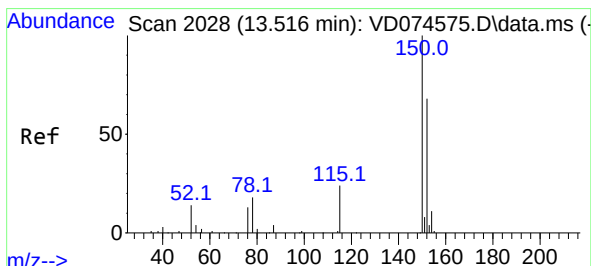
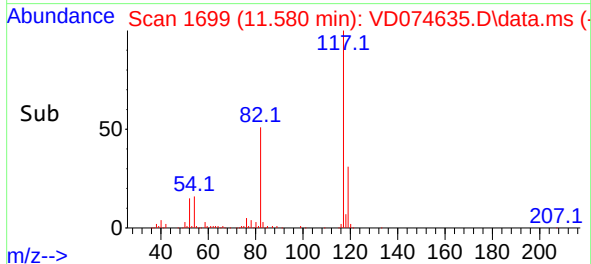
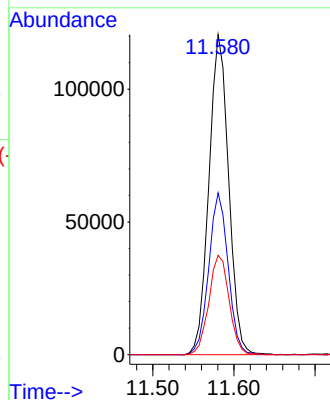
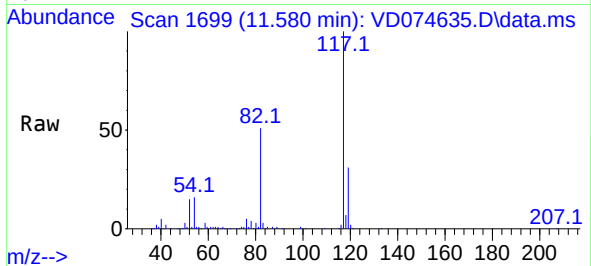




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.001 min
Lab File: VD074635.D
Acq: 25 Oct 2022 16:21

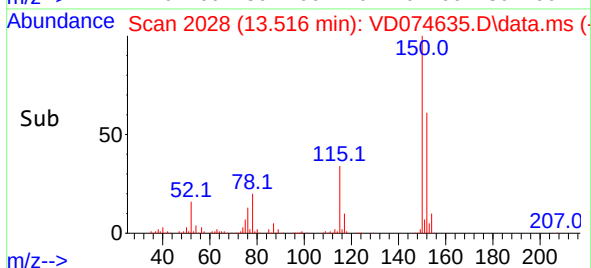
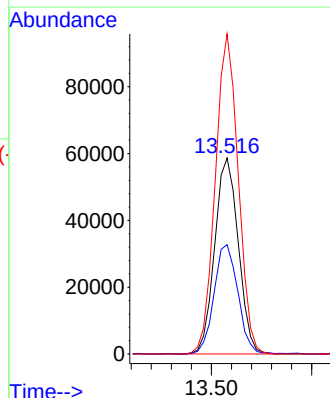
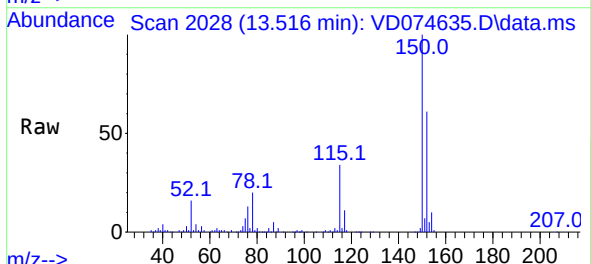
Instrument :
MSVOA_D
ClientSampleId :
TP7-1024

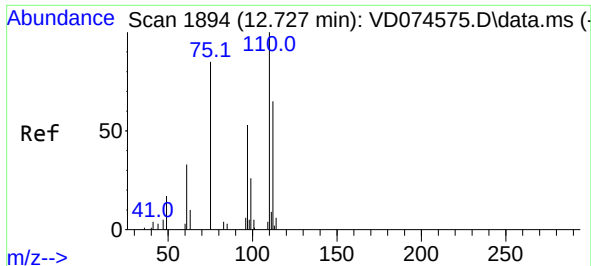
Tgt Ion:	117	Resp:	203285
Ion	Ratio	Lower	Upper
117	100		
82	50.6	41.6	62.4
119	31.0	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD074635.D
Acq: 25 Oct 2022 16:21

Tgt Ion:	152	Resp:	95841
Ion	Ratio	Lower	Upper
152	100		
115	56.5	26.8	80.4
150	158.3	0.0	348.2

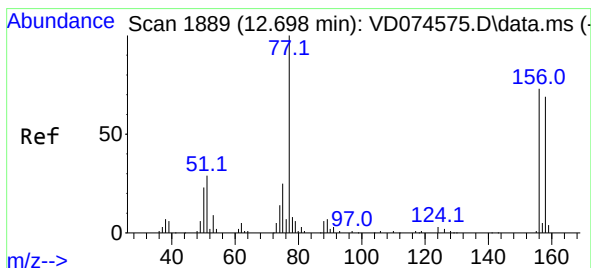
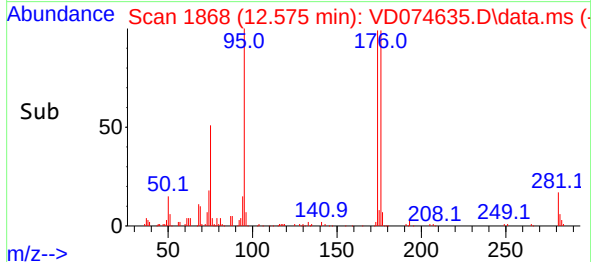
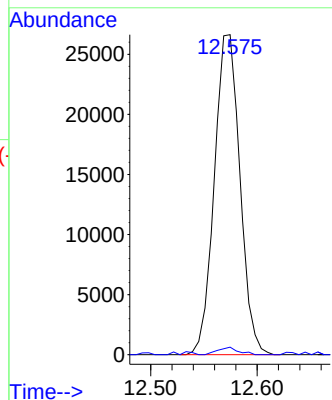
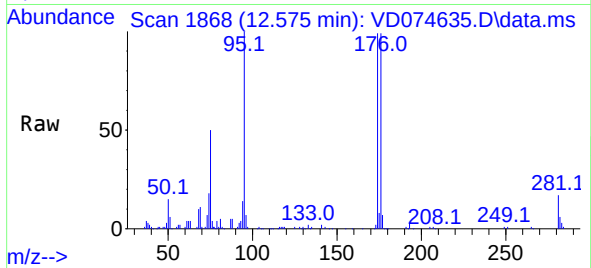




#76
1,2,3-Trichloropropane
Concen: 53.139 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.141 min
Lab File: VD074635.D
Acq: 25 Oct 2022 16:21

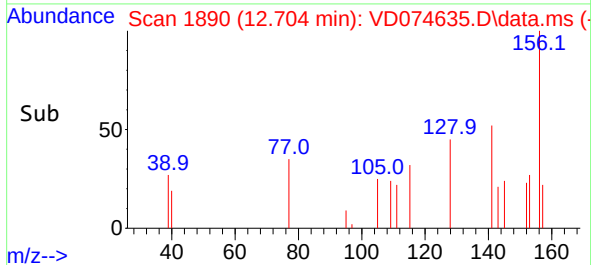
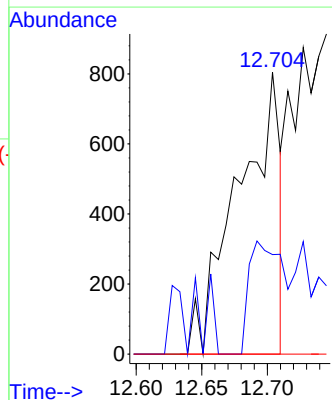
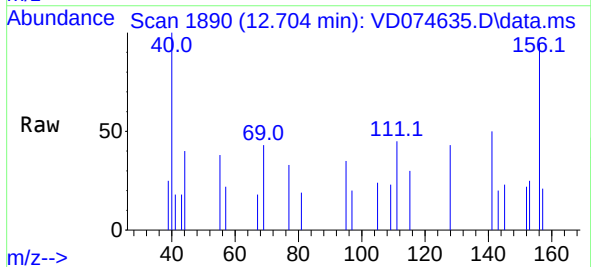
Instrument :
MSVOA_D
ClientSampleId :
TP7-1024

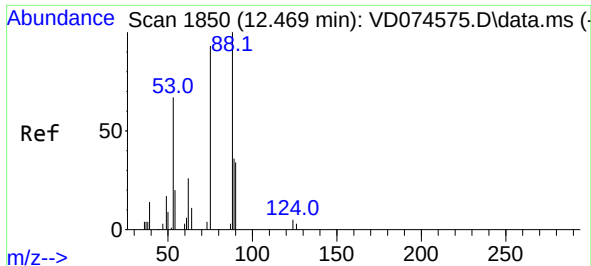
Tgt Ion: 75 Resp: 44470
Ion Ratio Lower Upper
75 100
77 1.9 185.8 557.5#



#77
Bromobenzene
Concen: 1.060 ug/l
RT: 12.704 min Scan# 1890
Delta R.T. 0.006 min
Lab File: VD074635.D
Acq: 25 Oct 2022 16:21

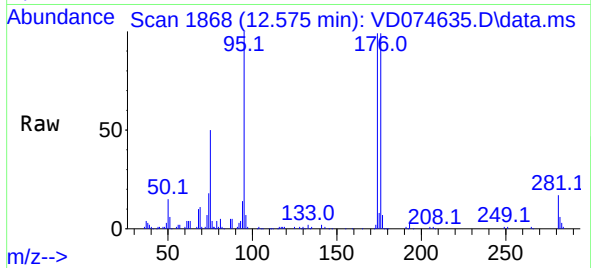
Tgt Ion: 156 Resp: 1788
Ion Ratio Lower Upper
156 100
77 32.2 77.7 233.1#
158 0.0 49.4 148.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.798 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VD074635.D
 Acq: 25 Oct 2022 16:21

Instrument :
 MSVOA_D
 ClientSampleId :
 TP7-1024



Tgt Ion: 75 Resp: 44470
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.6#
 89 0.0 38.2 57.4#

