

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091922\
 Data File : VD074354.D
 Acq On : 19 Sep 2022 18:57
 Operator : VA/SY
 Sample : N4646-11
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-2

Quant Time: Sep 19 23:02:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 04:16:54 2022
 Response via : Initial Calibration

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

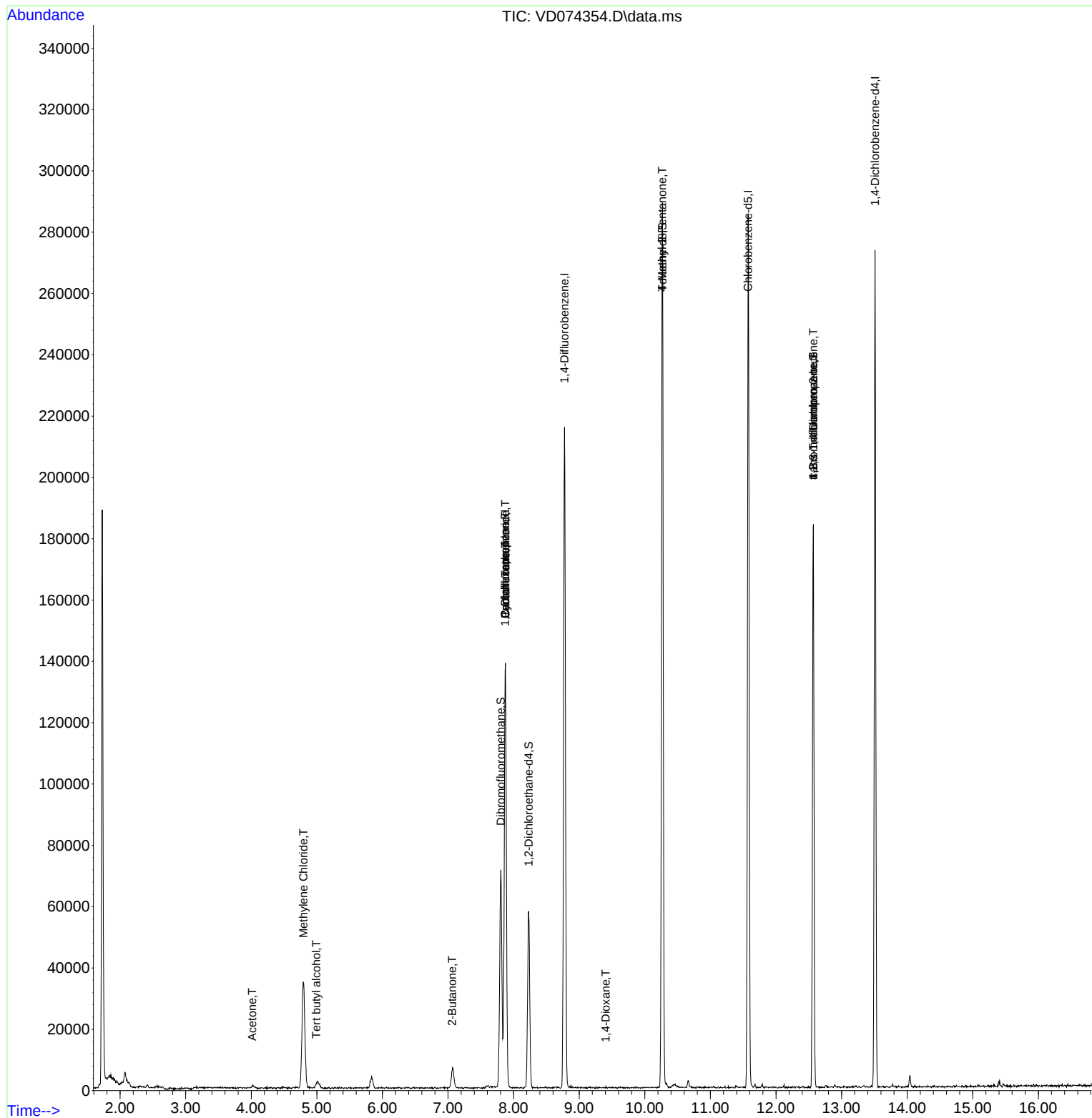
Internal Standards						
1) Pentafluorobenzene	7.875	168	109217	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	191426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	165304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	71514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	46018	43.258	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.520%		
35) Dibromofluoromethane	7.805	113	50517	40.069	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	80.140%		
50) Toluene-d8	10.269	98	205148	47.159	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.320%		
62) 4-Bromofluorobenzene	12.569	95	55831	36.304	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	72.600%		
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.993	59	1161	16.149	ug/l #	74
16) Acetone	4.017	43	1514	6.317	ug/l #	79
18) Methyl Acetate	4.817	43	122	Below Cal	#	51
20) Methylene Chloride	4.793	84	27266	11.437	ug/l	90
25) 2-Butanone	7.063	43	678	1.899	ug/l #	48
31) Cyclohexane	7.875	56	2431	1.090	ug/l #	39
36) 1,1-Dichloropropene	7.869	75	8370	4.349	ug/l #	51
38) Carbon Tetrachloride	7.875	117	10758	6.308	ug/l #	15
49) 1,4-Dioxane	9.405	88	58	7.592	ug/l #	24
51) 4-Methyl-2-Pentanone	10.263	43	840	1.124	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	28974	43.790	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	28974	109.748	ug/l #	100

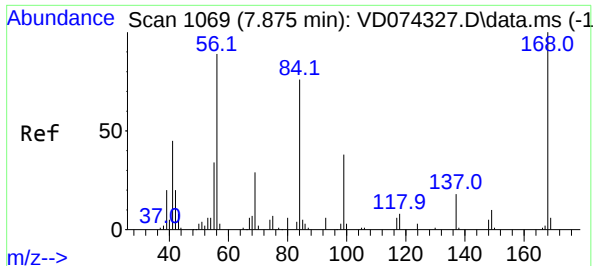
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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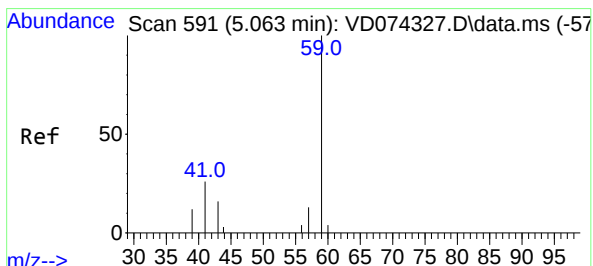
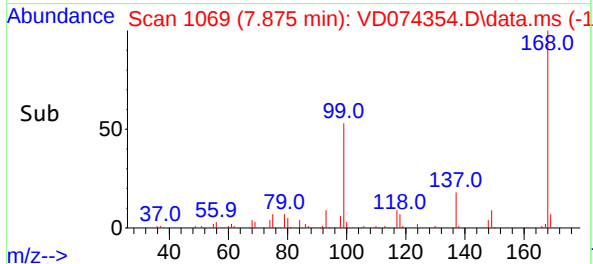
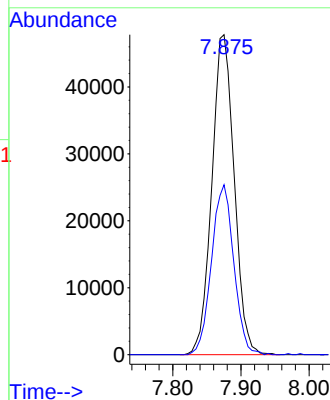
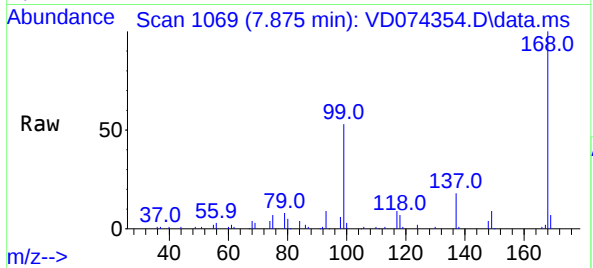




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074354.D
Acq: 19 Sep 2022 18:57

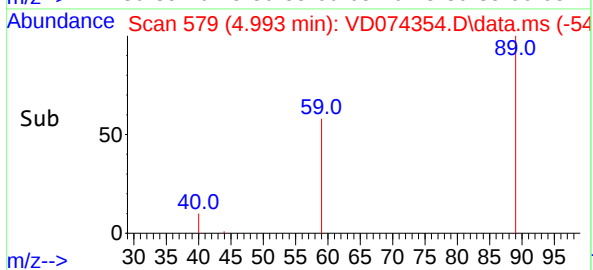
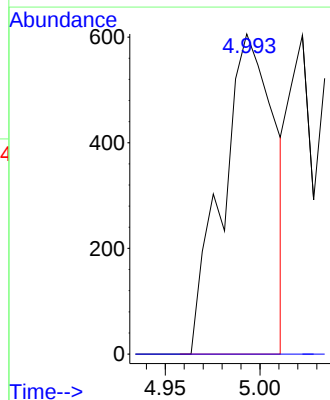
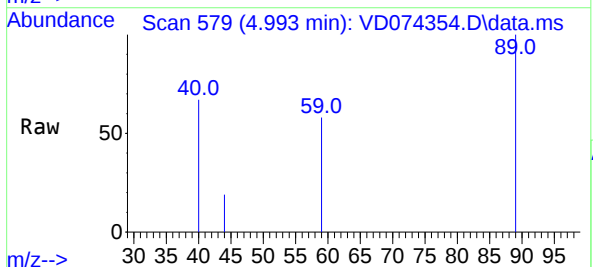
Instrument :
MSVOA_D
ClientSampleId :
SP-2

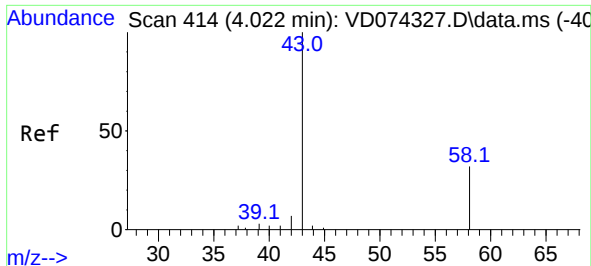
Tgt Ion:168 Resp: 109217
Ion Ratio Lower Upper
168 100
99 53.1 43.0 64.6



#11
Tert butyl alcohol
Concen: 16.149 ug/l
RT: 4.993 min Scan# 579
Delta R.T. -0.070 min
Lab File: VD074354.D
Acq: 19 Sep 2022 18:57

Tgt Ion: 59 Resp: 1161
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

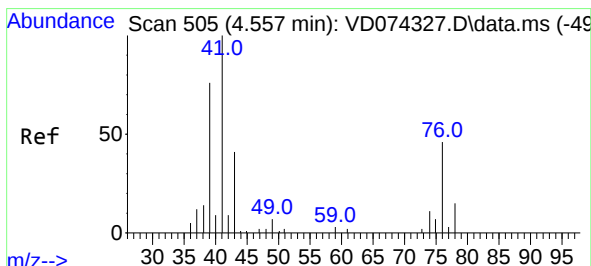
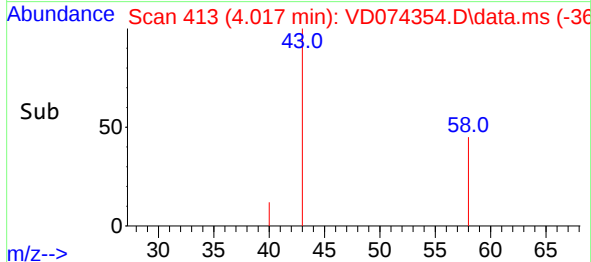
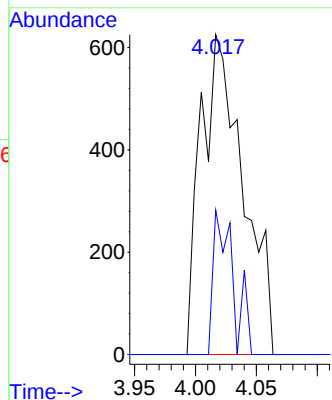
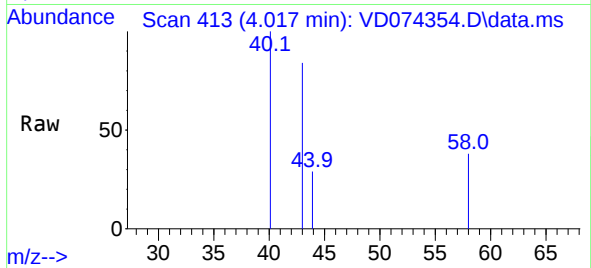




#16
Acetone
Concen: 6.317 ug/l
RT: 4.017 min Scan# 414
Delta R.T. -0.005 min
Lab File: VD074354.D
Acq: 19 Sep 2022 18:57

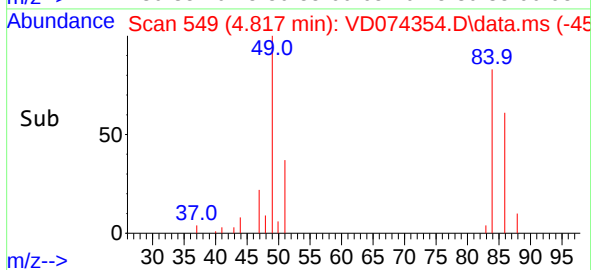
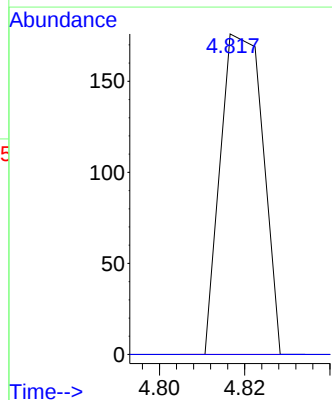
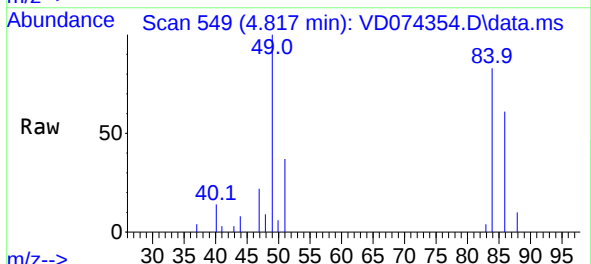
Instrument :
MSVOA_D
ClientSampleId :
SP-2

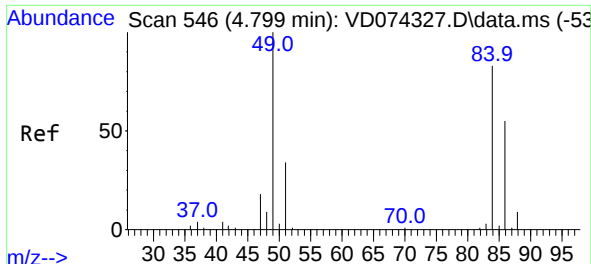
Tgt Ion: 43 Resp: 1514
Ion Ratio Lower Upper
43 100
58 45.1 26.4 39.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.817 min Scan# 549
Delta R.T. 0.260 min
Lab File: VD074354.D
Acq: 19 Sep 2022 18:57

Tgt Ion: 43 Resp: 122
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#

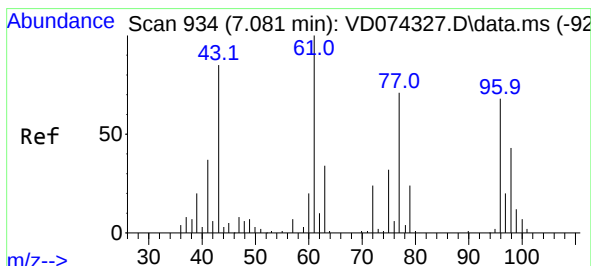
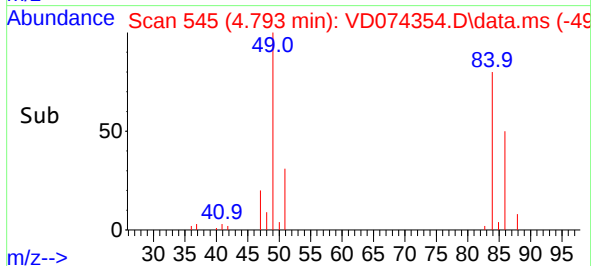
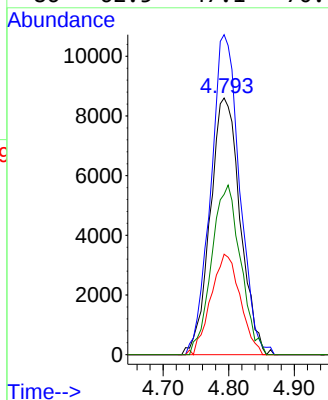
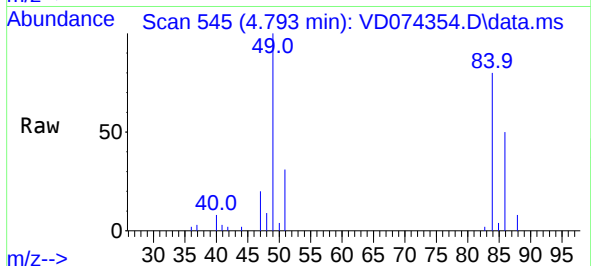




#20
Methylene Chloride
Concen: 11.437 ug/l
RT: 4.793 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD074354.D
Acq: 19 Sep 2022 18:57

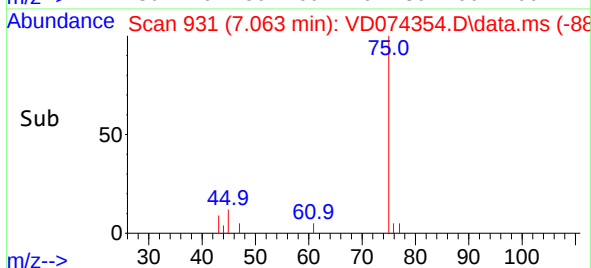
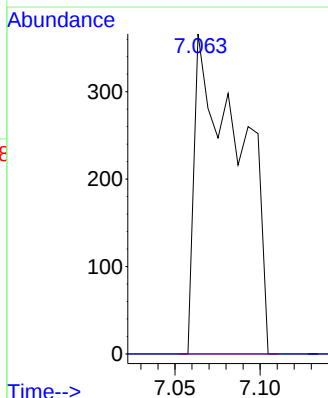
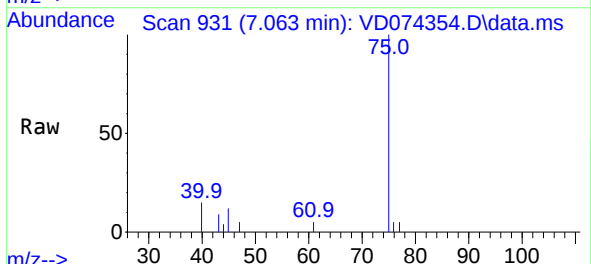
Instrument :
MSVOA_D
ClientSampleId :
SP-2

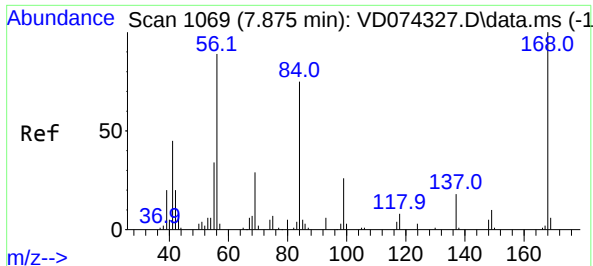
Tgt Ion:	84	Resp:	27266
Ion	Ratio	Lower	Upper
84	100		
49	124.7	88.4	132.6
51	39.2	28.0	42.0
86	62.5	47.1	70.7



#25
2-Butanone
Concen: 1.899 ug/l
RT: 7.063 min Scan# 931
Delta R.T. -0.018 min
Lab File: VD074354.D
Acq: 19 Sep 2022 18:57

Tgt Ion:	43	Resp:	678
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.8	32.6#

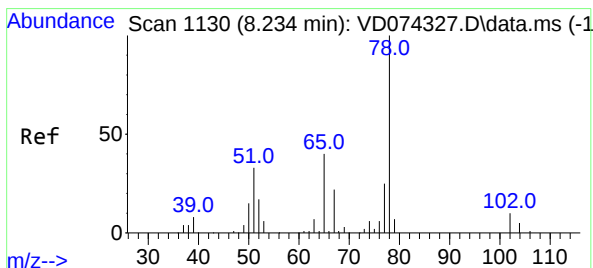
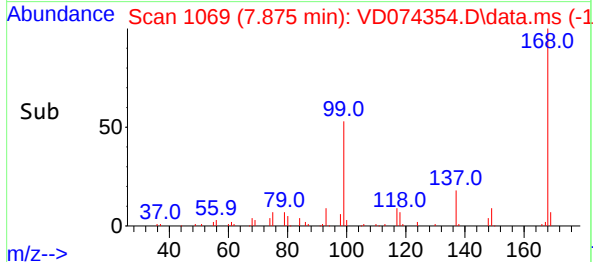
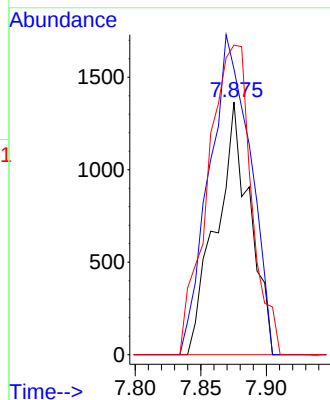
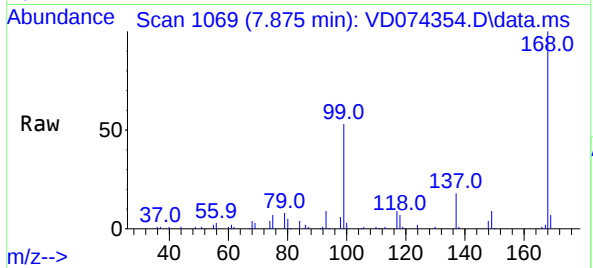




#31
Cyclohexane
Concen: 1.090 ug/l
RT: 7.875 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VD074354.D
Acq: 19 Sep 2022 18:57

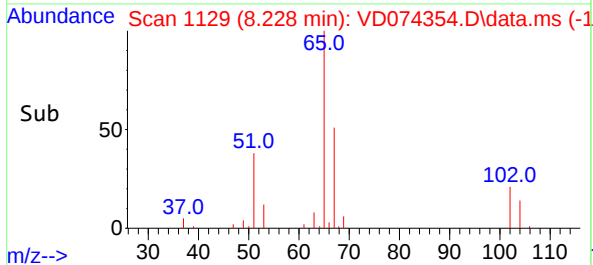
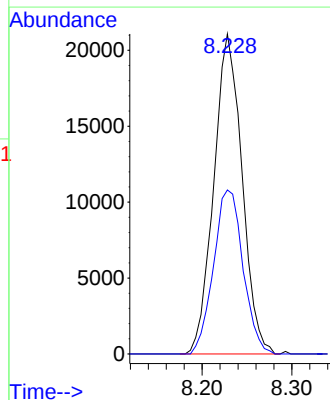
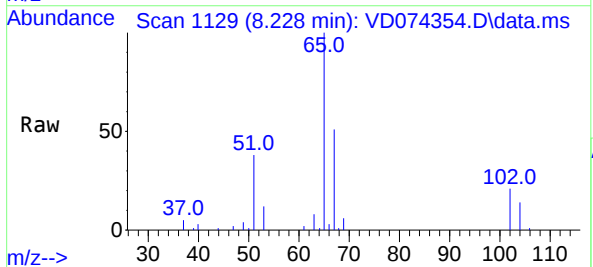
Instrument :
MSVOA_D
ClientSampleId :
SP-2

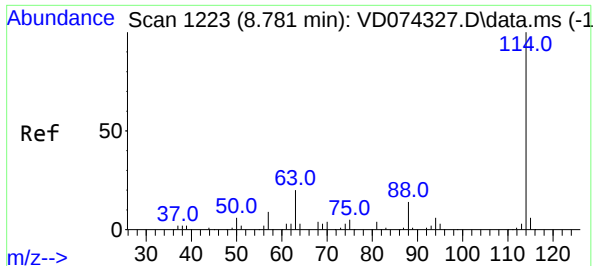
Tgt Ion: 56 Resp: 2431
Ion Ratio Lower Upper
56 100
69 113.1 25.7 38.5#
84 122.5 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 43.258 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD074354.D
Acq: 19 Sep 2022 18:57

Tgt Ion: 65 Resp: 46018
Ion Ratio Lower Upper
65 100
67 53.5 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD074354.D

Acq: 19 Sep 2022 18:57

Instrument :

MSVOA_D

ClientSampleId :

SP-2

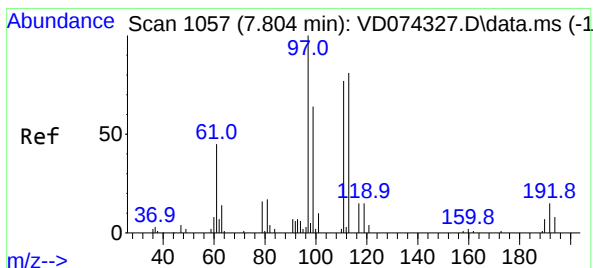
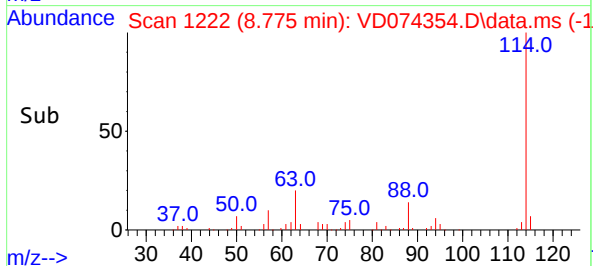
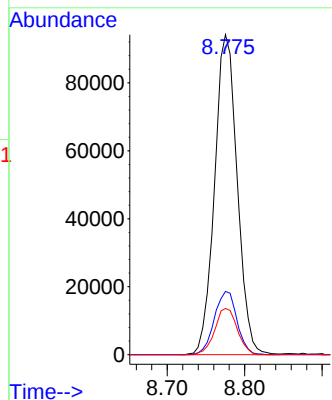
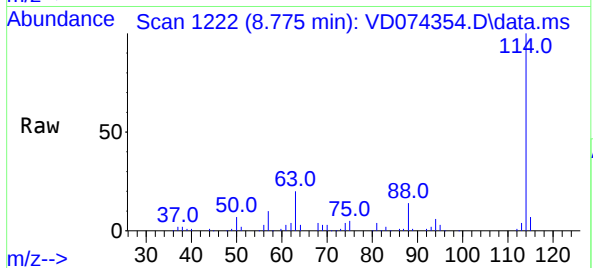
Tgt Ion:114 Resp: 191426

Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.6

88 14.4 0.0 28.4



#35

Dibromofluoromethane

Concen: 40.069 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD074354.D

Acq: 19 Sep 2022 18:57

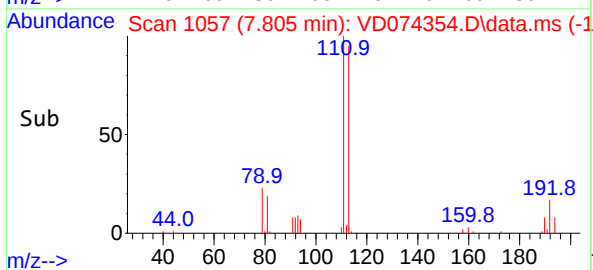
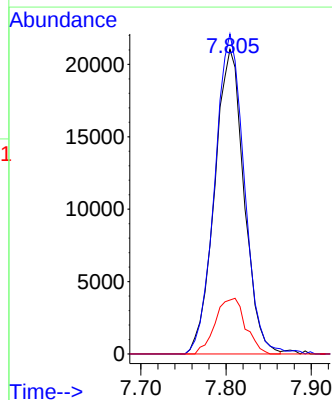
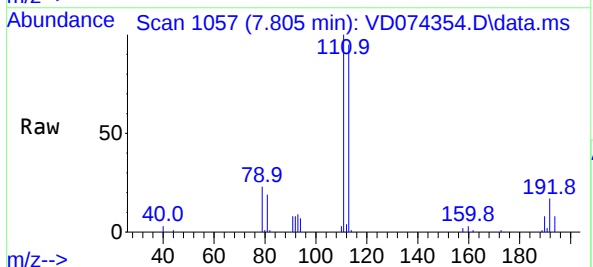
Tgt Ion:113 Resp: 50517

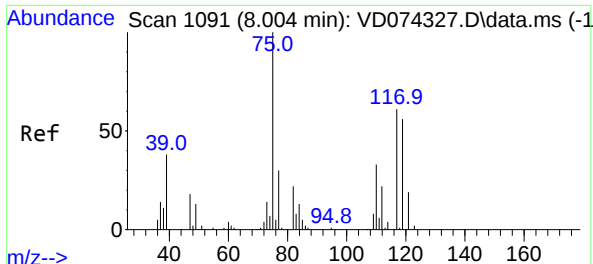
Ion Ratio Lower Upper

113 100

111 105.5 83.0 124.6

192 18.7 16.2 24.2





#36

1,1-Dichloropropene

Concen: 4.349 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VD074354.D

Acq: 19 Sep 2022 18:57

Instrument :

MSVOA_D

ClientSampleId :

SP-2

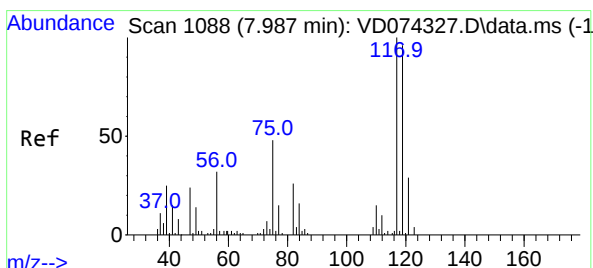
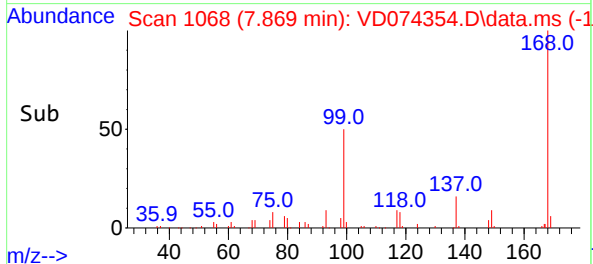
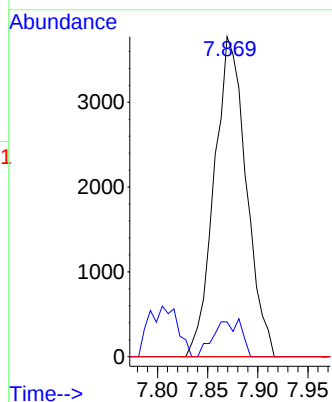
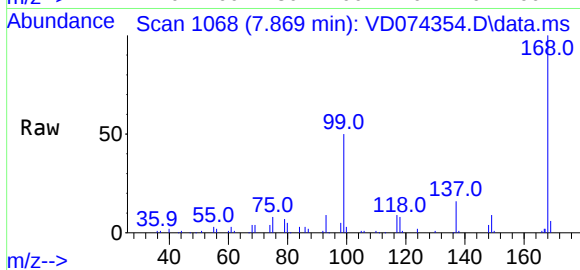
Tgt Ion: 75 Resp: 8370

Ion Ratio Lower Upper

75 100

110 10.0 17.5 52.5#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.308 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD074354.D

Acq: 19 Sep 2022 18:57

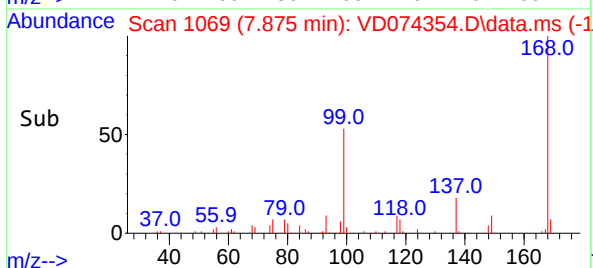
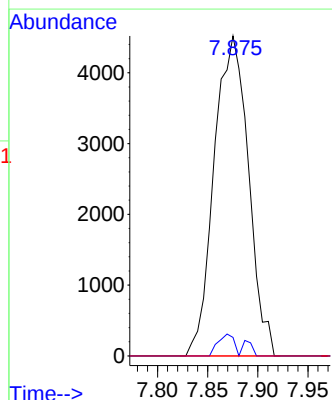
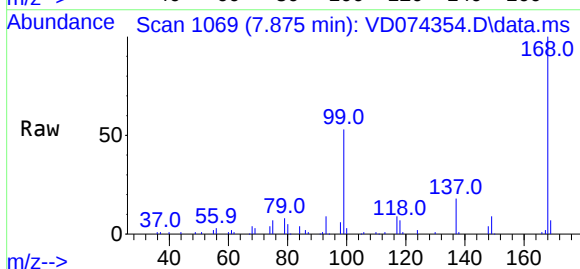
Tgt Ion: 117 Resp: 10758

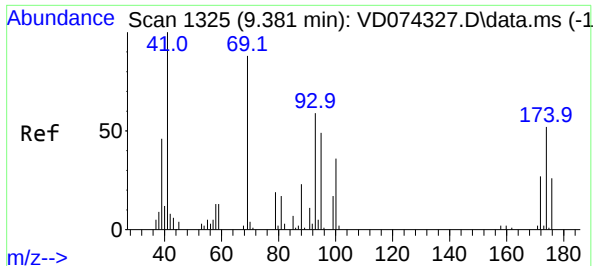
Ion Ratio Lower Upper

117 100

119 5.8 78.8 118.2#

121 0.0 23.9 35.9#

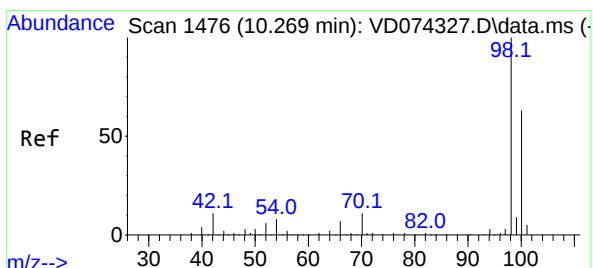
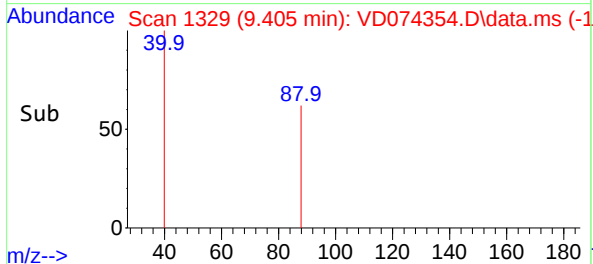
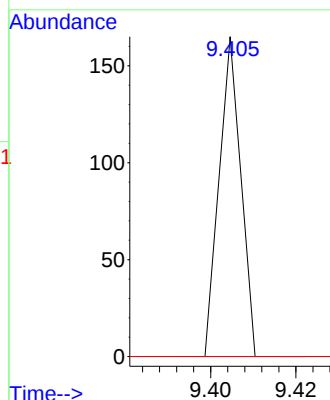
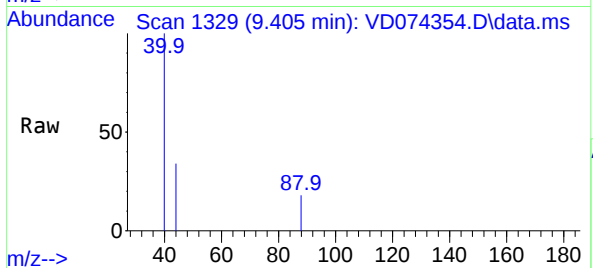




#49
1,4-Dioxane
Concen: 7.592 ug/l
RT: 9.405 min Scan# 11
Delta R.T. 0.024 min
Lab File: VD074354.D
Acq: 19 Sep 2022 18:57

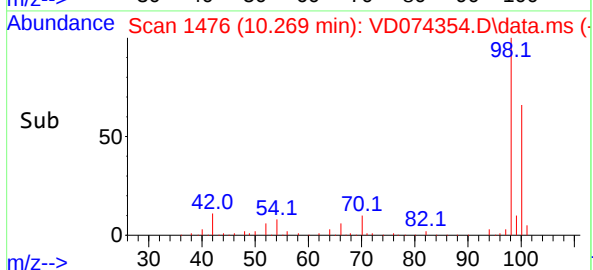
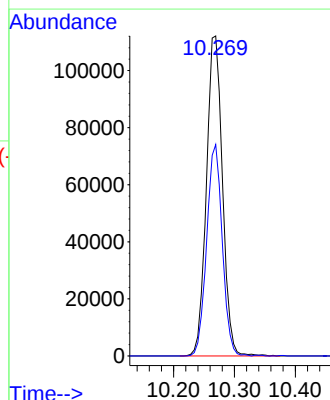
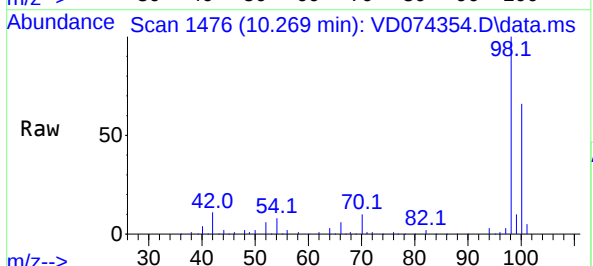
Instrument :
MSVOA_D
ClientSampleId :
SP-2

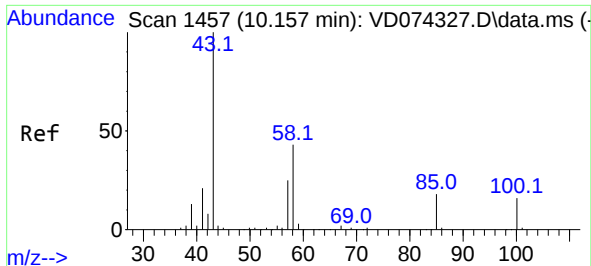
Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 0.0 54.2 81.2#



#50
Toluene-d8
Concen: 47.159 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074354.D
Acq: 19 Sep 2022 18:57

Tgt Ion: 98 Resp: 205148
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 1.124 ug/l

RT: 10.263 min Scan# 1457

Delta R.T. 0.106 min

Lab File: VD074354.D

Acq: 19 Sep 2022 18:57

Instrument :

MSVOA_D

ClientSampleId :

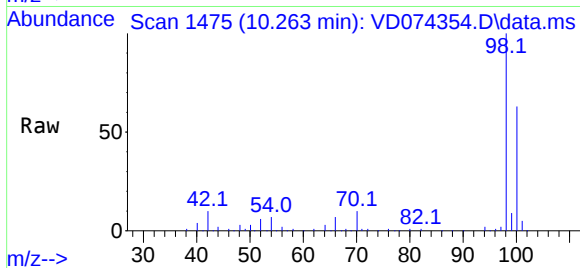
SP-2

Tgt Ion: 43 Resp: 840

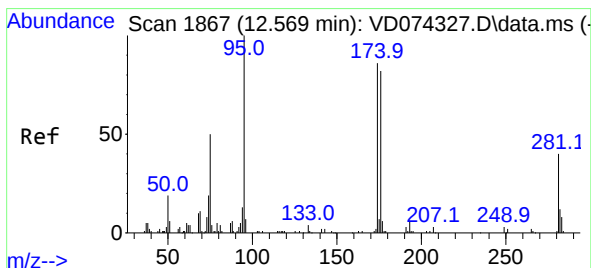
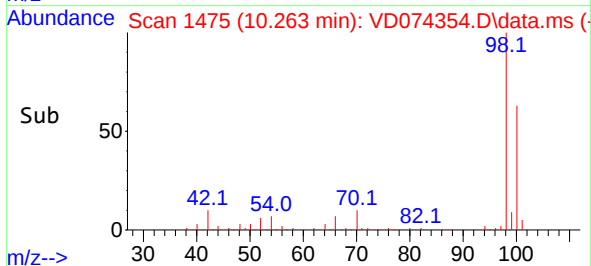
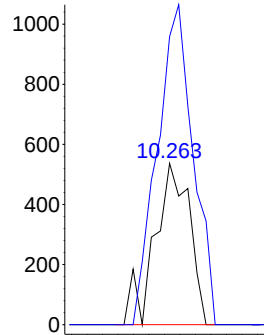
Ion Ratio Lower Upper

43 100

58 204.3 33.3 49.9#



Abundance



#62

4-Bromofluorobenzene

Concen: 36.304 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VD074354.D

Acq: 19 Sep 2022 18:57

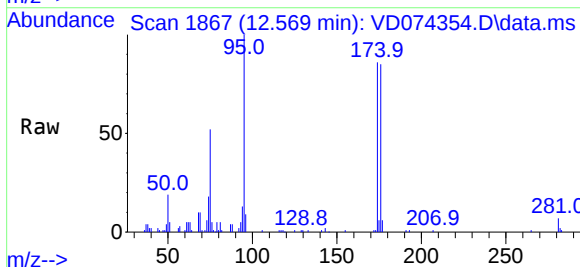
Tgt Ion: 95 Resp: 55831

Ion Ratio Lower Upper

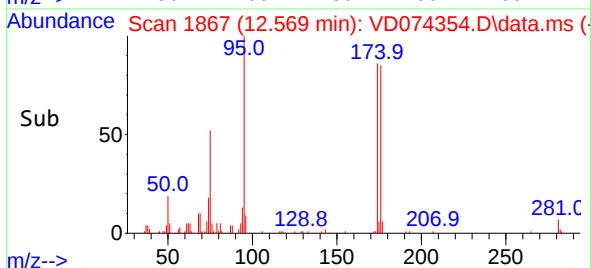
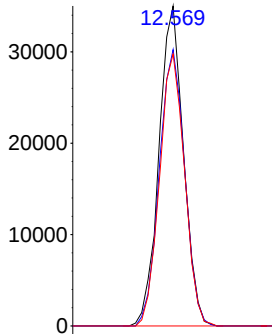
95 100

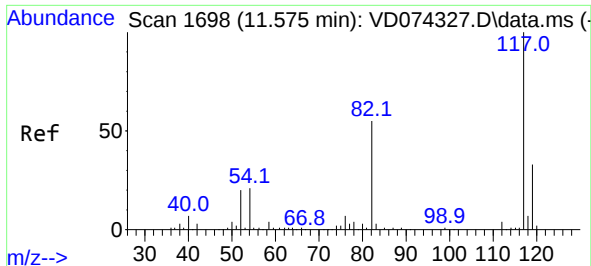
174 89.2 0.0 179.2

176 86.6 0.0 171.4



Abundance

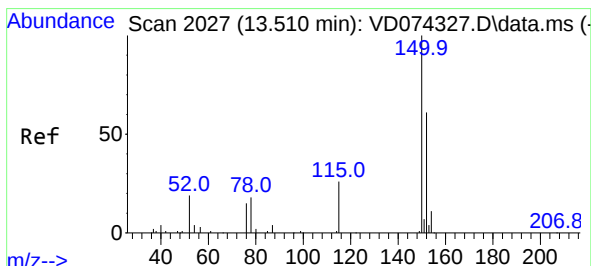
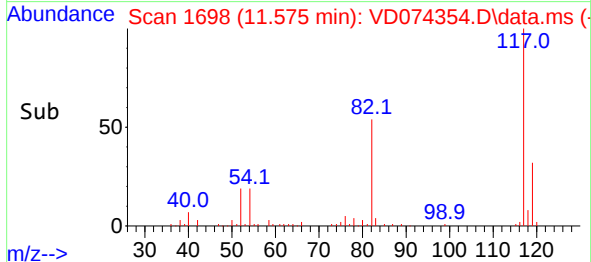
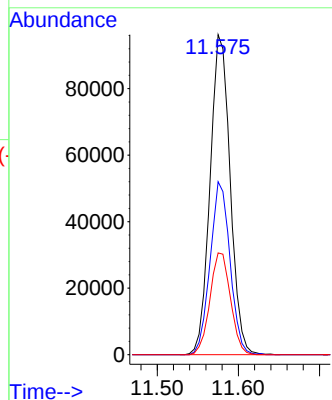
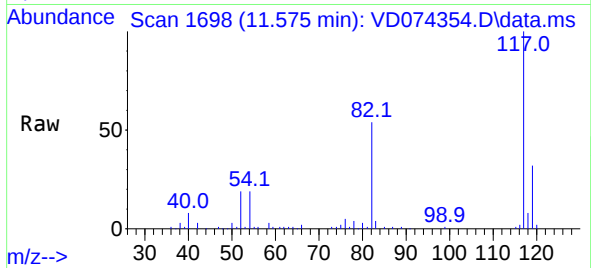




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VD074354.D
Acq: 19 Sep 2022 18:57

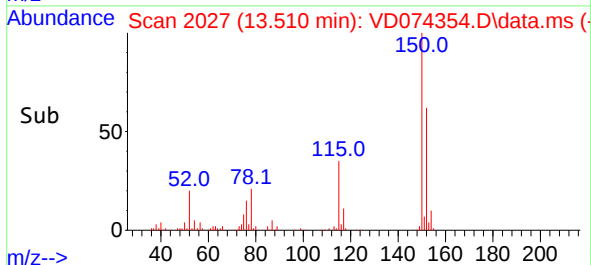
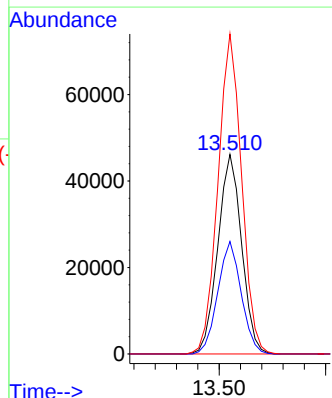
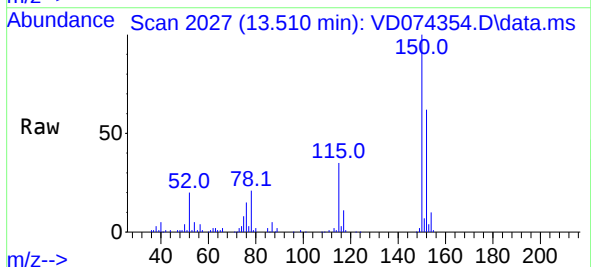
Instrument :
MSVOA_D
ClientSampleId :
SP-2

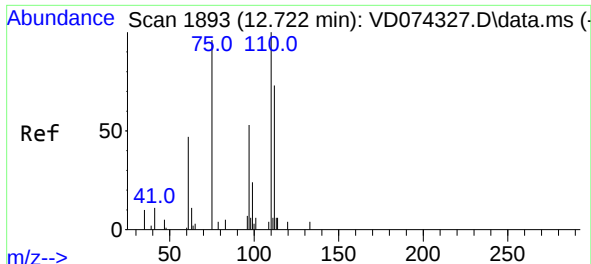
Tgt Ion:117 Resp: 165304
Ion Ratio Lower Upper
117 100
82 54.1 44.2 66.2
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 2027
Delta R.T. 0.000 min
Lab File: VD074354.D
Acq: 19 Sep 2022 18:57

Tgt Ion:152 Resp: 71514
Ion Ratio Lower Upper
152 100
115 55.4 28.4 85.2
150 158.9 0.0 351.0

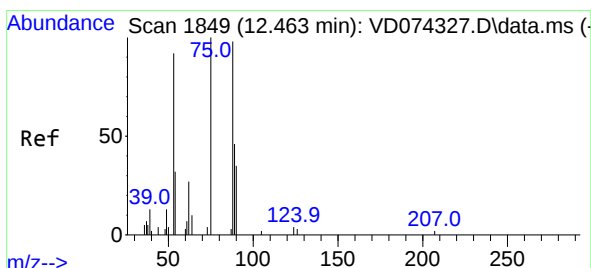
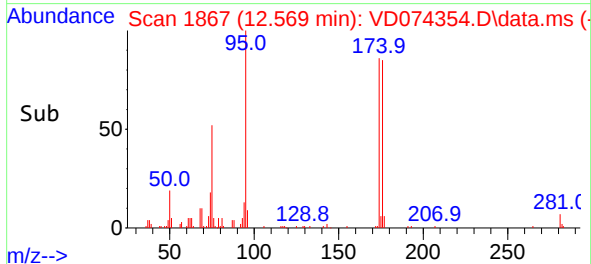
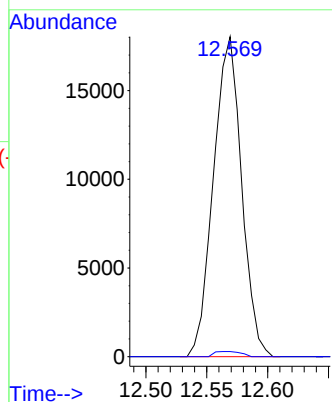
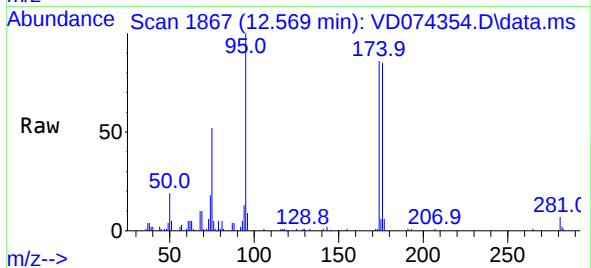




#76
1,2,3-Trichloropropane
Concen: 43.790 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074354.D
Acq: 19 Sep 2022 18:57

Instrument :
MSVOA_D
ClientSampleId :
SP-2

Tgt Ion: 75 Resp: 28974
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.748 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.106 min
Lab File: VD074354.D
Acq: 19 Sep 2022 18:57

Tgt Ion: 75 Resp: 28974
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

