

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022124\
 Data File : VD078497.D
 Acq On : 21 Feb 2024 14:23
 Operator : RP/MD
 Sample : P1538-02
 Misc : 5.05G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20241097-COMPOSITE-35N-N-4-02

Quant Time: Feb 22 00:04:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

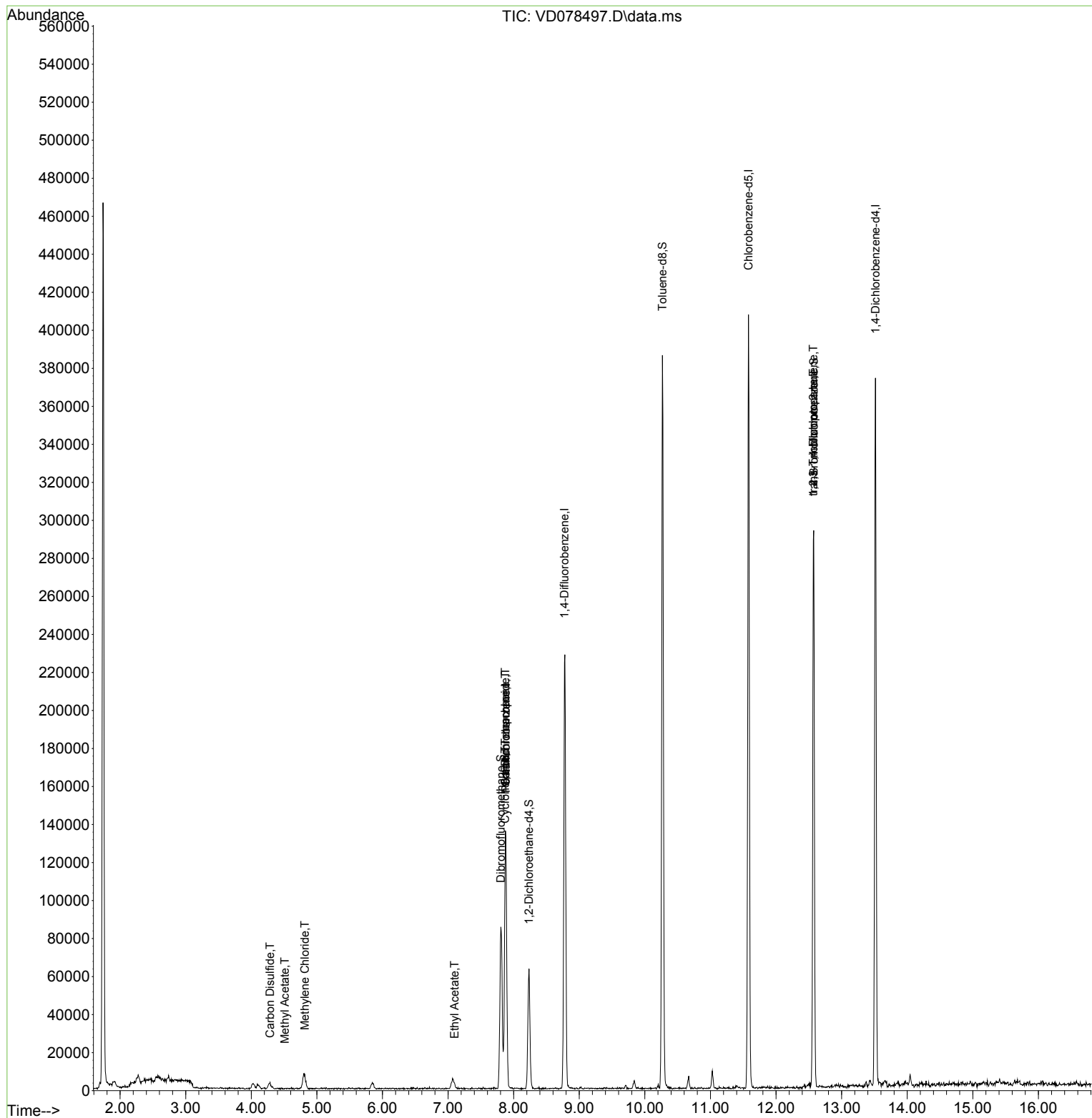
Internal Standards						
1) Pentafluorobenzene	7.881	168	105372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	210397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	242553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	98572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	47495	41.687	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.380%
35) Dibromofluoromethane	7.804	113	64974	48.616	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.240%
50) Toluene-d8	10.269	98	271259	50.738	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.480%
62) 4-Bromofluorobenzene	12.575	95	91933	59.091	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	118.180%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.075	59	219	Below Cal	#	73
16) Acetone	4.034	43	4842	Below Cal	#	63
17) Carbon Disulfide	4.287	76	5455	1.411	ug/l #	86
18) Methyl Acetate	4.510	43	54	4.001	ug/l #	42
20) Methylene Chloride	4.816	84	6279	1.892	ug/l	98
23) Vinyl Acetate	6.299	43	86	Below Cal	#	63
25) 2-Butanone	7.099	43	1859	Below Cal		97
31) Cyclohexane	7.869	56	2519	1.307	ug/l #	58
36) 1,1-Dichloropropene	7.875	75	8838	4.257	ug/l #	46
37) Ethyl Acetate	7.099	43	1859	2.554	ug/l #	67
38) Carbon Tetrachloride	7.875	117	10488	5.101	ug/l #	16
76) 1,2,3-Trichloropropane	12.569	75	47257	56.470	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	47257	117.234	ug/l #	17

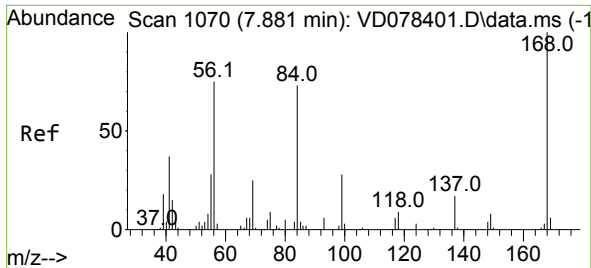
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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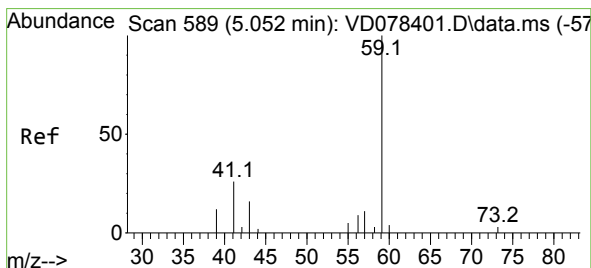
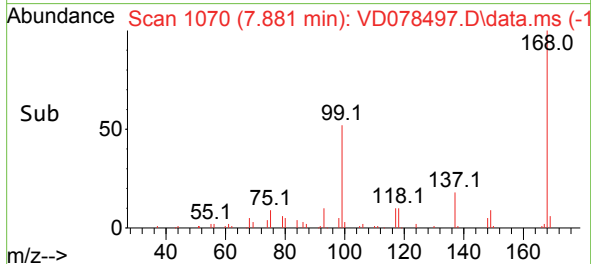
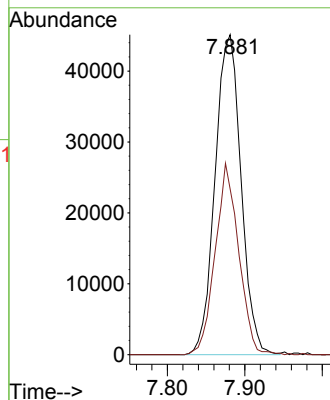
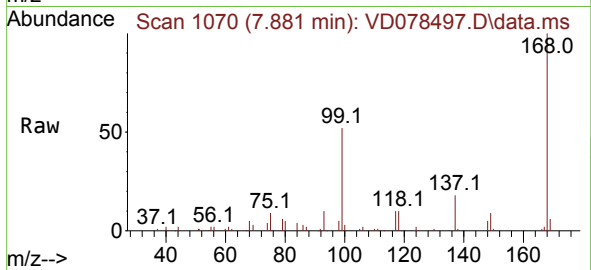




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD078497.D
Acq: 21 Feb 2024 14:23

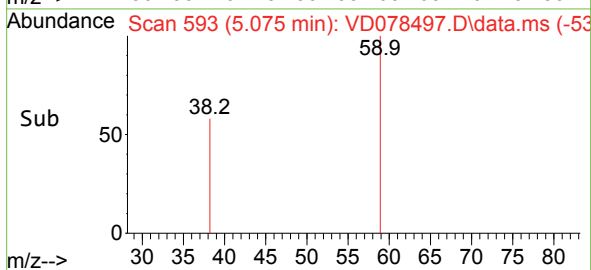
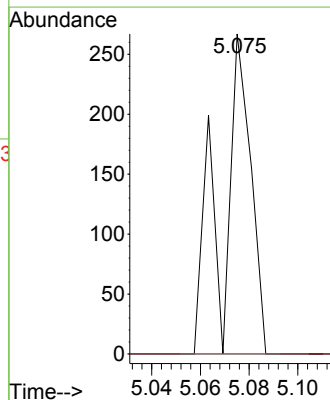
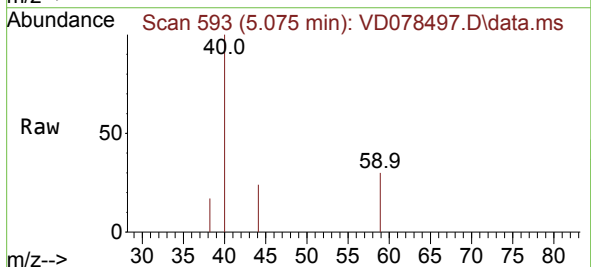
Instrument :
MSVOA_D
ClientSampleId :
20241097-COMPOSITE-35N-N-4-02

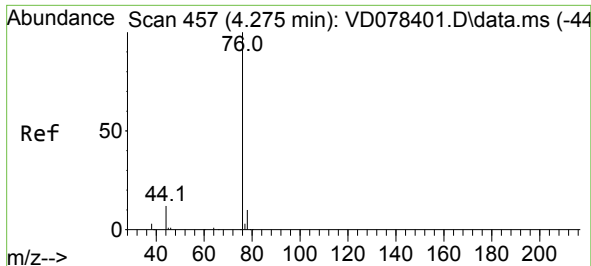
Tgt Ion:168 Resp: 105372
Ion Ratio Lower Upper
168 100
99 51.8 36.7 55.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.075 min Scan# 593
Delta R.T. 0.023 min
Lab File: VD078497.D
Acq: 21 Feb 2024 14:23

Tgt Ion: 59 Resp: 219
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#17

Carbon Disulfide

Concen: 1.411 ug/l

RT: 4.287 min Scan# 4

Delta R.T. 0.012 min

Lab File: VD078497.D

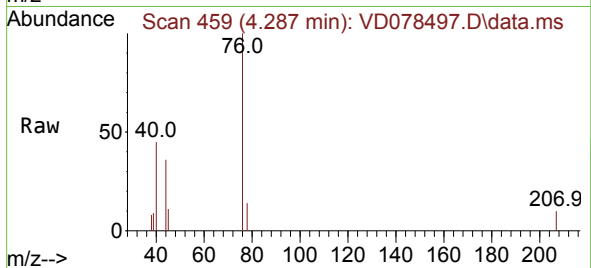
Acq: 21 Feb 2024 14:23

Instrument :

MSVOA_D

ClientSampleId :

20241097-COMPOSITE-35N-N-4-02

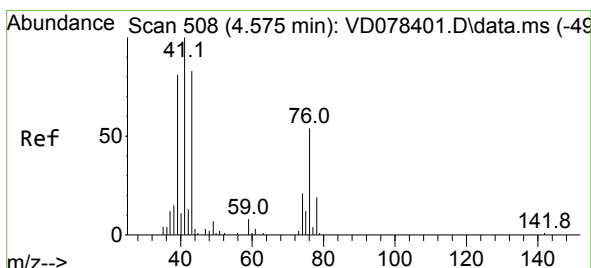
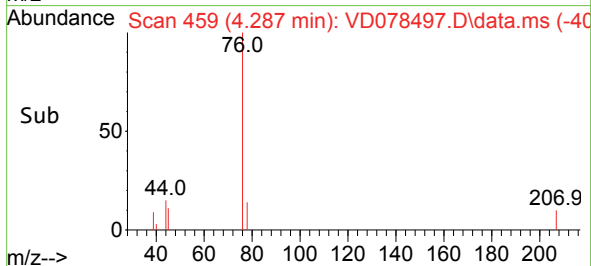
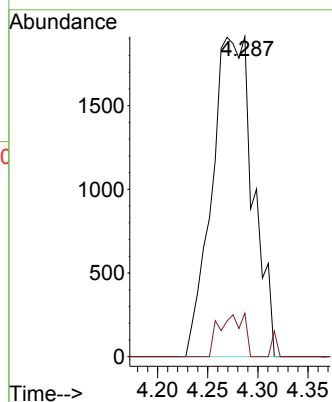


Tgt Ion: 76 Resp: 5455

Ion Ratio Lower Upper

76 100

78 13.6 6.8 10.2#



#18

Methyl Acetate

Concen: 4.001 ug/l

RT: 4.510 min Scan# 497

Delta R.T. -0.065 min

Lab File: VD078497.D

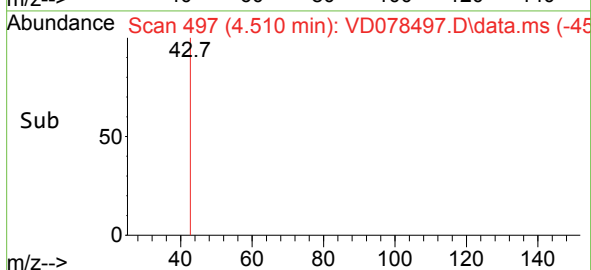
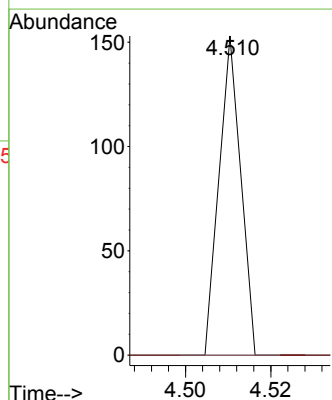
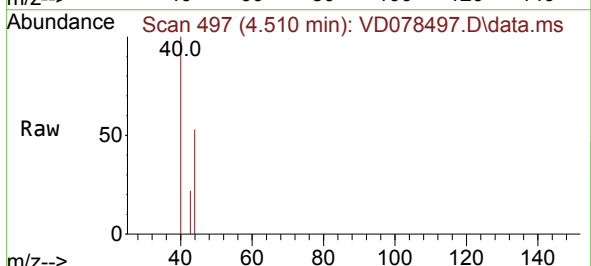
Acq: 21 Feb 2024 14:23

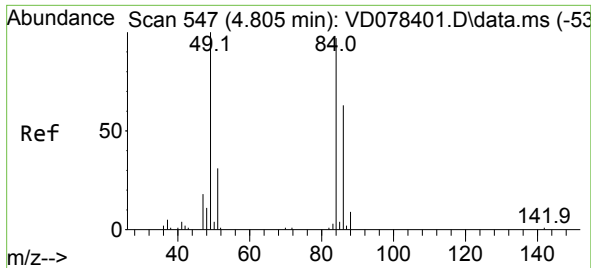
Tgt Ion: 43 Resp: 54

Ion Ratio Lower Upper

43 100

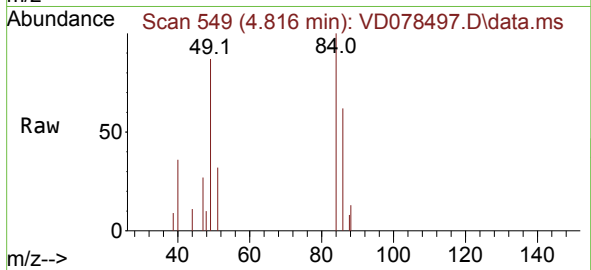
74 0.0 26.4 39.6#



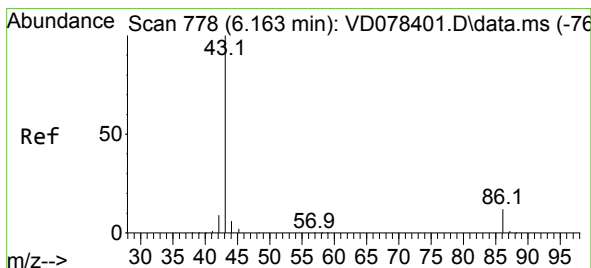
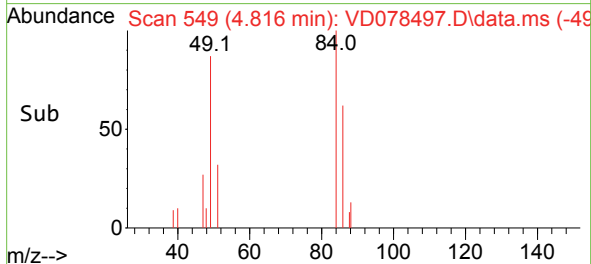
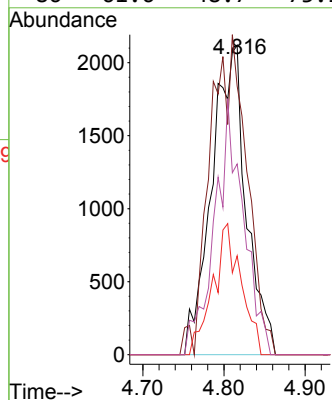


#20
Methylene Chloride
Concen: 1.892 ug/l
RT: 4.816 min Scan# 547
Delta R.T. 0.011 min
Lab File: VD078497.D
Acq: 21 Feb 2024 14:23

Instrument :
MSVOA_D
ClientSampleId :
20241097-COMPOSITE-35N-N-4-02

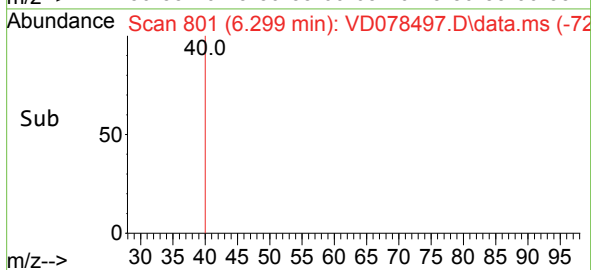
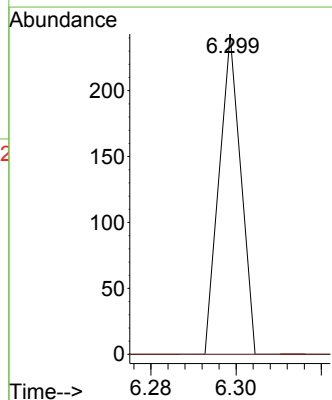
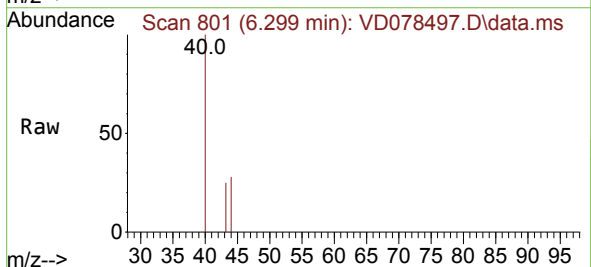


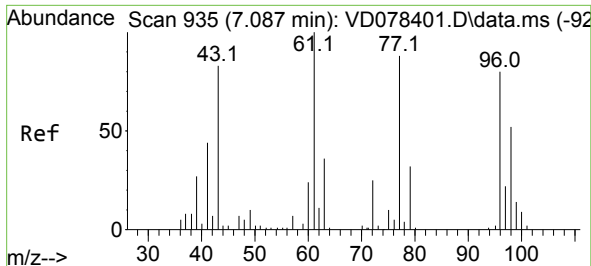
Tgt Ion:	84	Resp:	6279
Ion	Ratio	Lower	Upper
84	100		
49	86.8	71.4	107.2
51	31.9	24.5	36.7
86	61.6	48.7	73.1



#23
Vinyl Acetate
Concen: Below Cal
RT: 6.299 min Scan# 801
Delta R.T. 0.136 min
Lab File: VD078497.D
Acq: 21 Feb 2024 14:23

Tgt Ion:	43	Resp:	86
Ion	Ratio	Lower	Upper
43	100		
86	0.0	12.5	18.7#

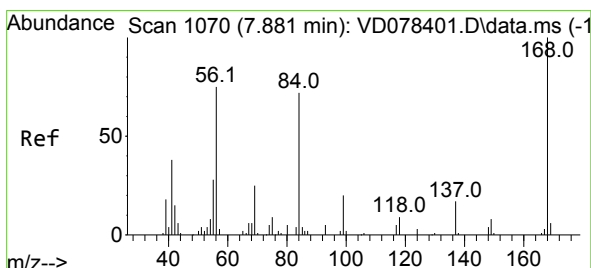
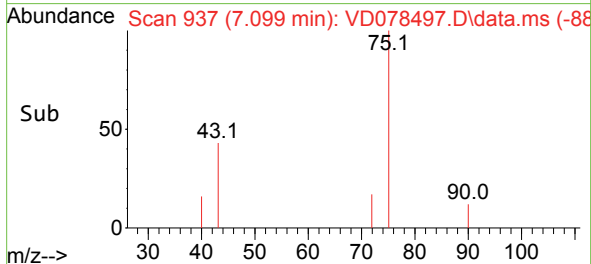
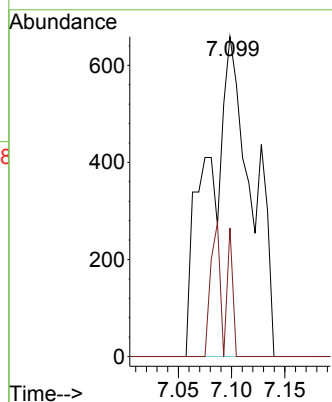
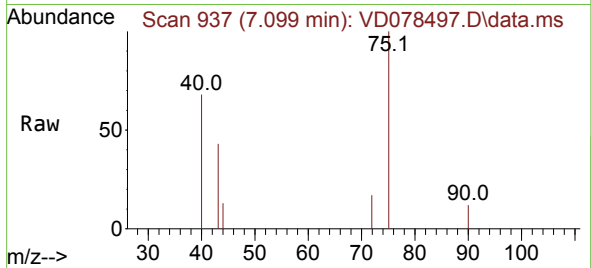




#25
2-Butanone
Concen: Below Cal
RT: 7.099 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD078497.D
Acq: 21 Feb 2024 14:23

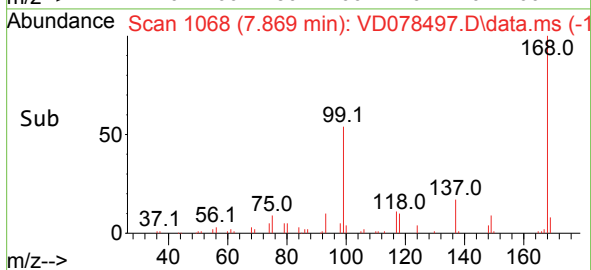
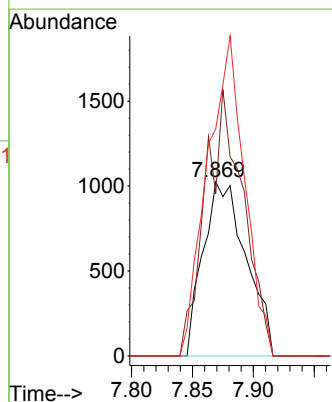
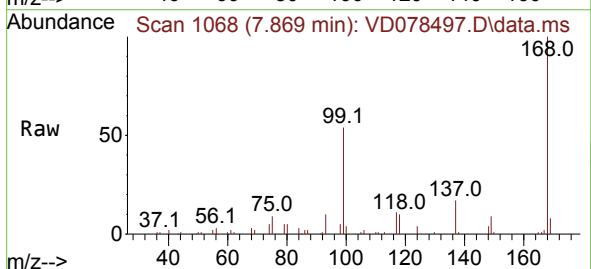
Instrument :
MSVOA_D
ClientSampleId :
20241097-COMPOSITE-35N-N-4-02

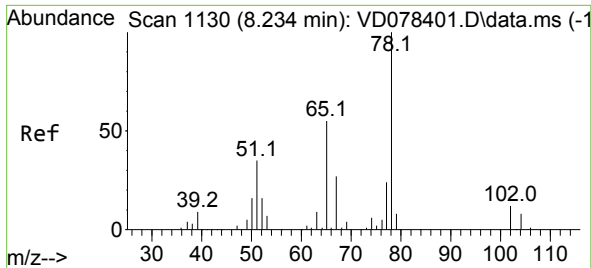
Tgt Ion: 43 Resp: 1859
Ion Ratio Lower Upper
43 100
72 40.2 30.7 46.1



#31
Cyclohexane
Concen: 1.307 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD078497.D
Acq: 21 Feb 2024 14:23

Tgt Ion: 56 Resp: 2519
Ion Ratio Lower Upper
56 100
69 93.2 28.6 43.0#
84 130.4 84.8 127.2#

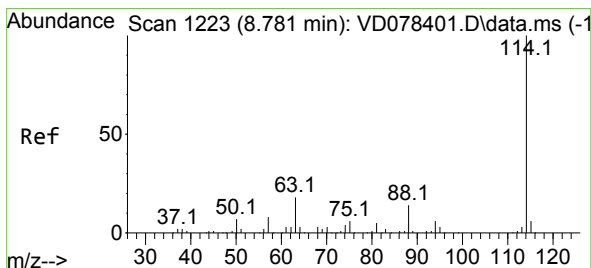
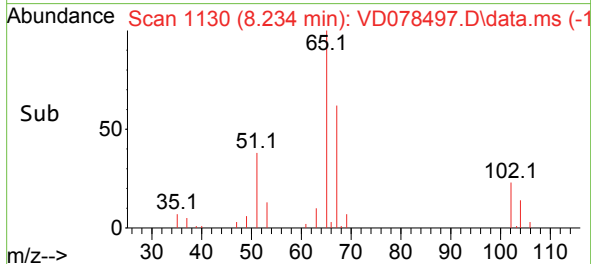
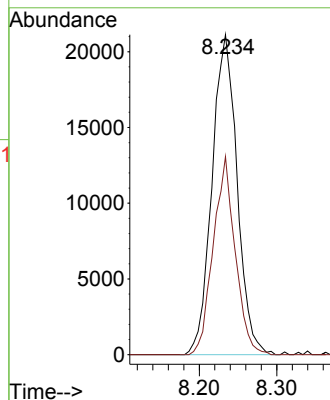
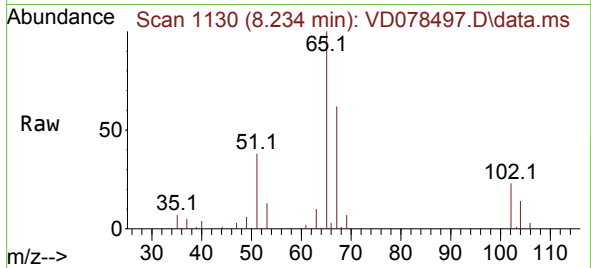




#33
1,2-Dichloroethane-d4
Concen: 41.687 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD078497.D
Acq: 21 Feb 2024 14:23

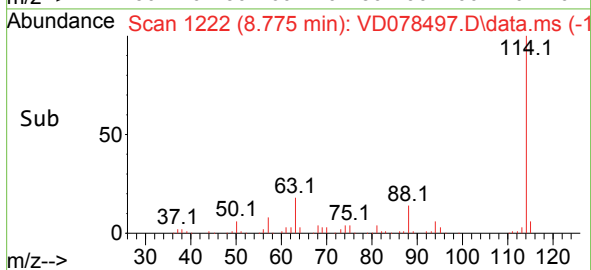
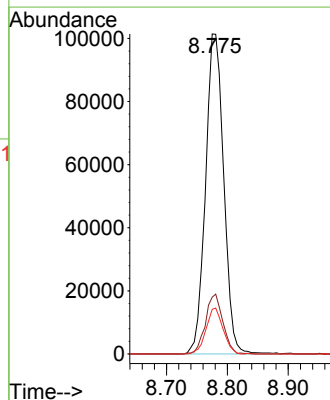
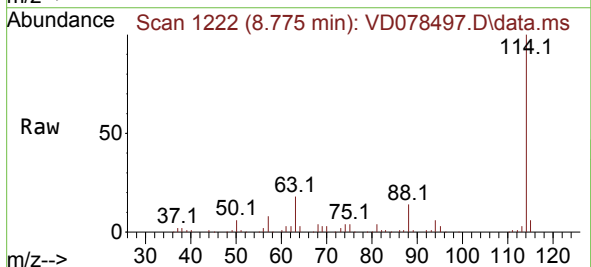
Instrument : MSVOA_D
ClientSampleId : 20241097-COMPOSITE-35N-N-4-02

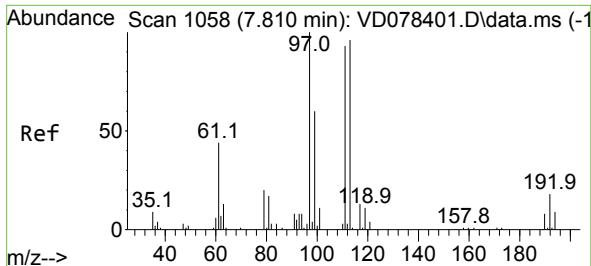
Tgt Ion: 65 Resp: 47495
Ion Ratio Lower Upper
65 100
67 54.3 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.006 min
Lab File: VD078497.D
Acq: 21 Feb 2024 14:23

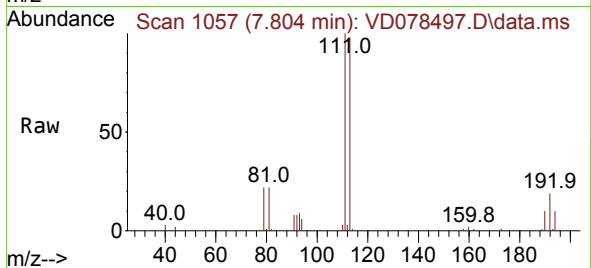
Tgt Ion:114 Resp: 210397
Ion Ratio Lower Upper
114 100
63 17.7 0.0 33.4
88 13.9 0.0 26.2



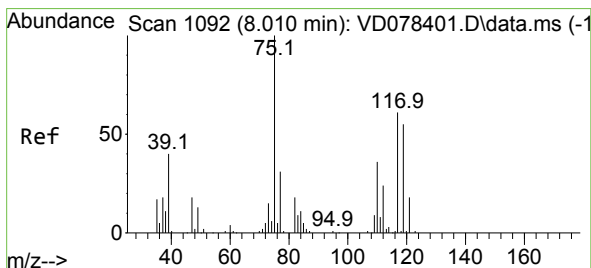
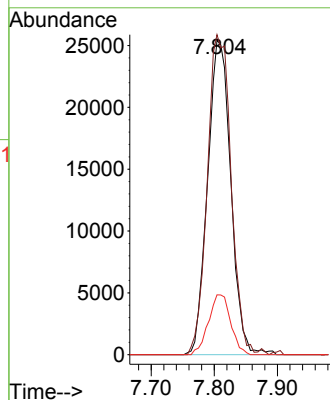
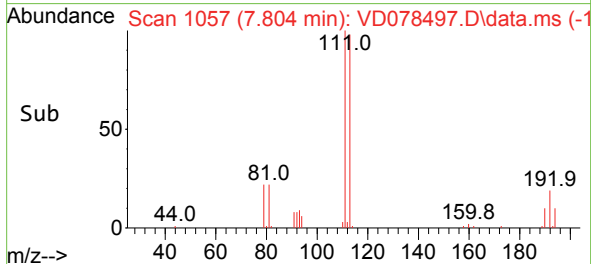


#35
Dibromofluoromethane
Concen: 48.616 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VD078497.D
Acq: 21 Feb 2024 14:23

Instrument : MSVOA_D
ClientSampleId : 20241097-COMPOSITE-35N-N-4-02

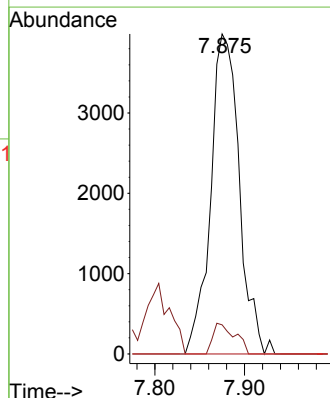
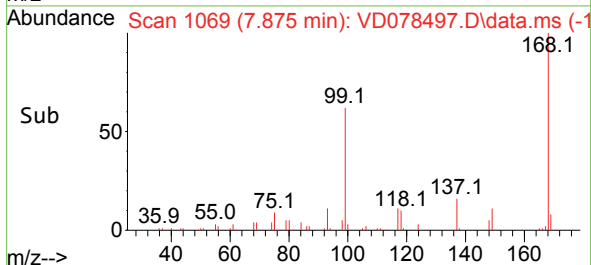
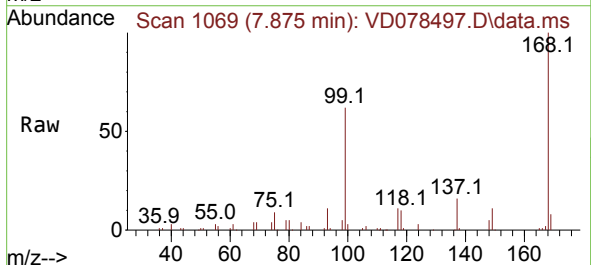


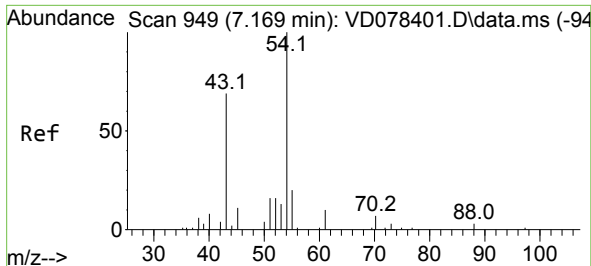
Tgt Ion:113 Resp: 64974
Ion Ratio Lower Upper
113 100
111 103.9 84.7 127.1
192 18.2 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.257 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD078497.D
Acq: 21 Feb 2024 14:23

Tgt Ion: 75 Resp: 8838
Ion Ratio Lower Upper
75 100
110 7.3 19.9 59.6#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.554 ug/l

RT: 7.099 min Scan# 91

Delta R.T. -0.071 min

Lab File: VD078497.D

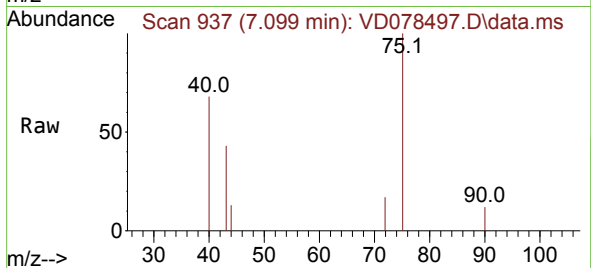
Acq: 21 Feb 2024 14:23

Instrument :

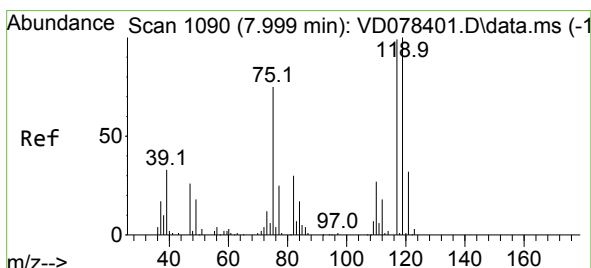
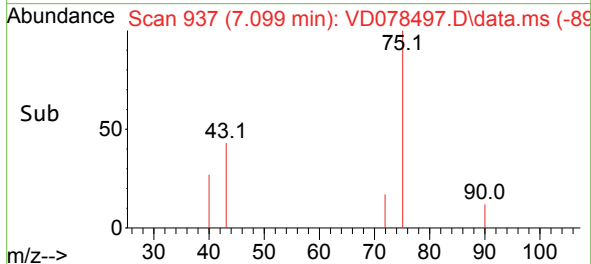
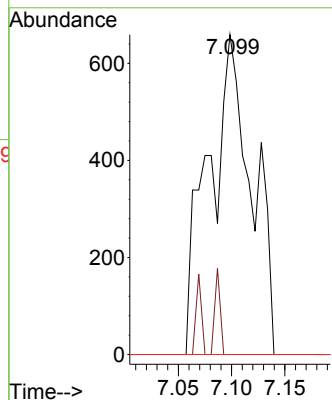
MSVOA_D

ClientSampleId :

20241097-COMPOSITE-35N-N-4-02



Tgt Ion:	43	Resp:	1859
Ion	Ratio	Lower	Upper
43	100		
61	3.4	14.9	22.3#
70	0.0	10.0	15.0#



#38

Carbon Tetrachloride

Concen: 5.101 ug/l

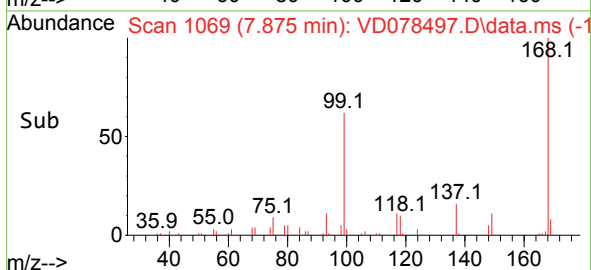
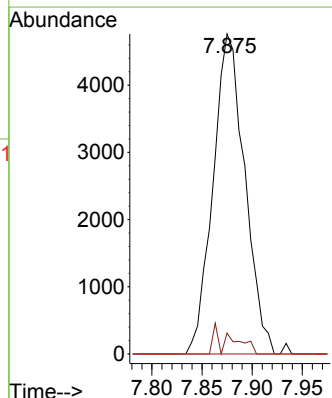
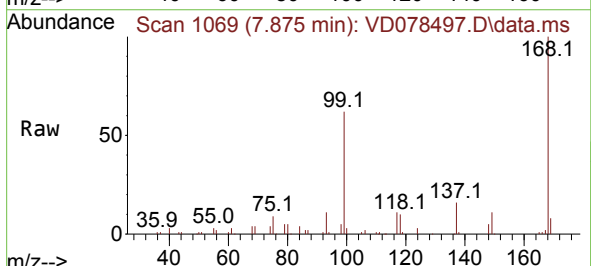
RT: 7.875 min Scan# 1069

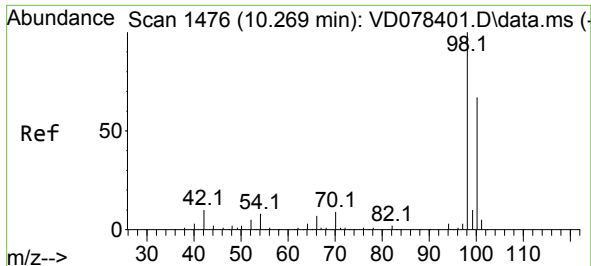
Delta R.T. -0.124 min

Lab File: VD078497.D

Acq: 21 Feb 2024 14:23

Tgt Ion:	117	Resp:	10488
Ion	Ratio	Lower	Upper
117	100		
119	6.5	78.0	117.0#
121	0.0	24.2	36.2#

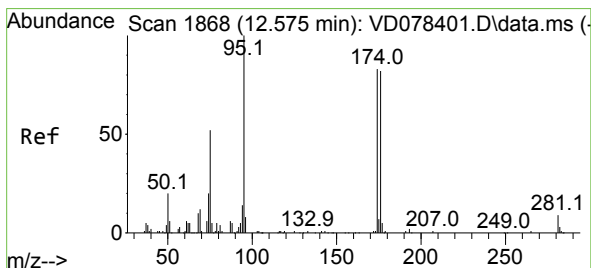
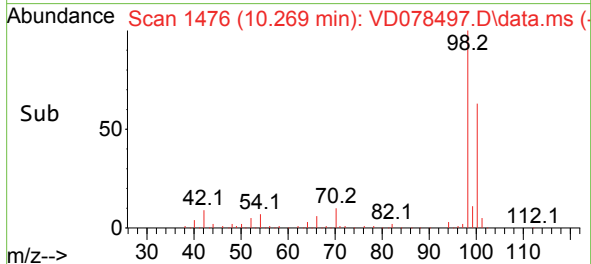
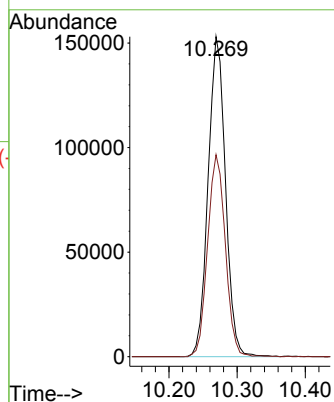
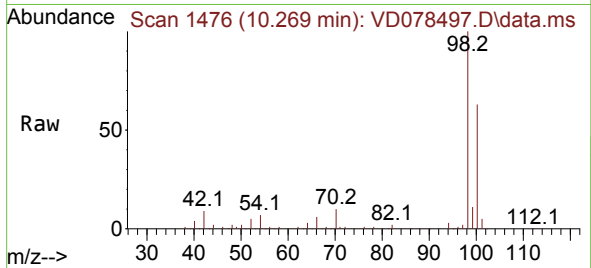




#50
Toluene-d8
Concen: 50.738 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078497.D
Acq: 21 Feb 2024 14:23

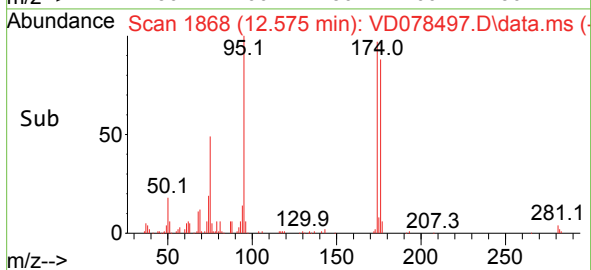
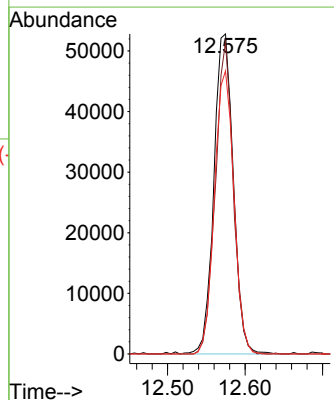
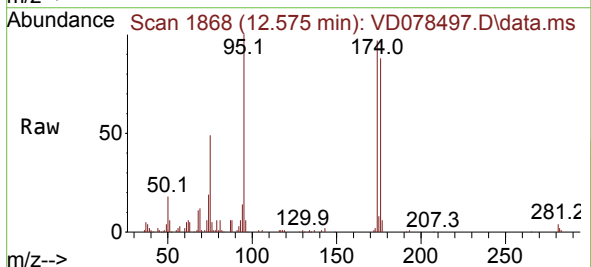
Instrument :
MSVOA_D
ClientSampleId :
20241097-COMPOSITE-35N-N-4-02

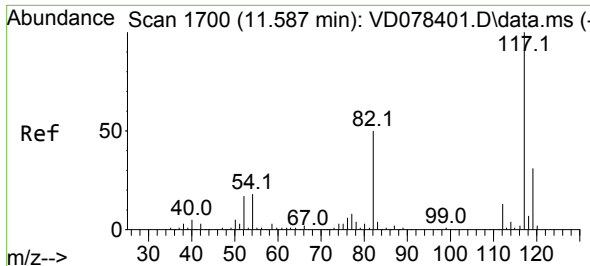
Tgt Ion: 98 Resp: 271259
Ion Ratio Lower Upper
98 100
100 64.5 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 59.091 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078497.D
Acq: 21 Feb 2024 14:23

Tgt Ion: 95 Resp: 91933
Ion Ratio Lower Upper
95 100
174 90.1 0.0 201.8
176 88.4 0.0 191.8

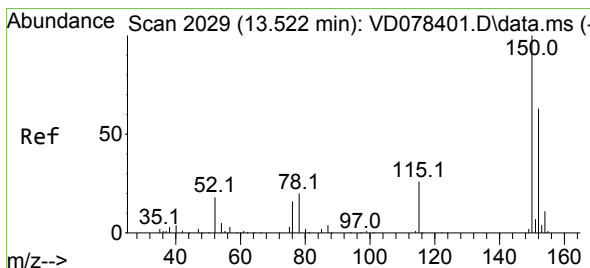
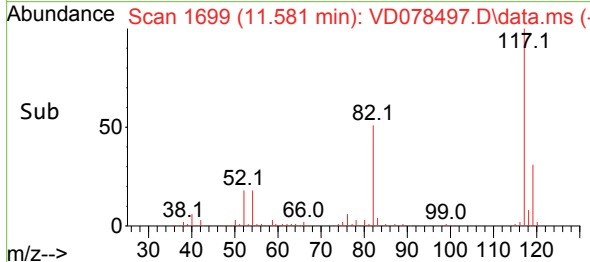
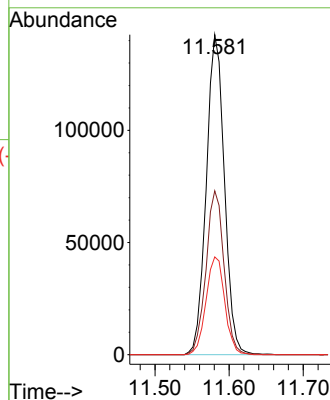
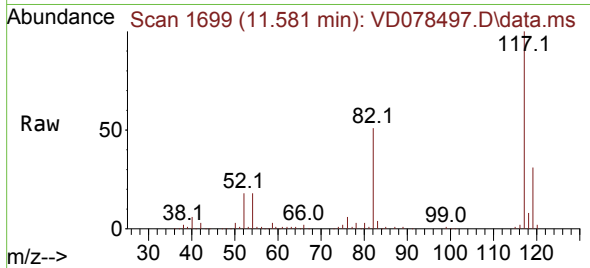




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078497.D
Acq: 21 Feb 2024 14:23

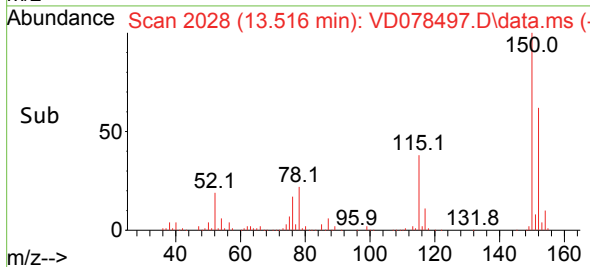
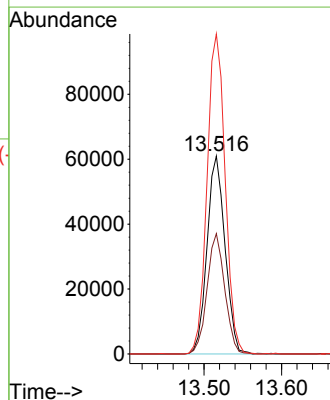
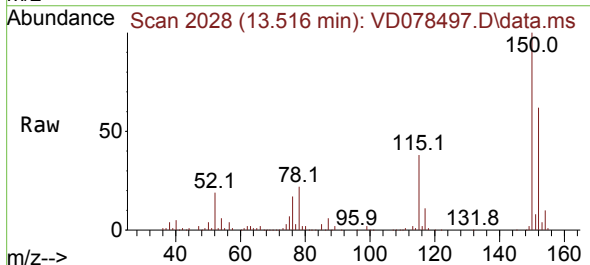
Instrument :
MSVOA_D
ClientSampleId :
20241097-COMPOSITE-35N-N-4-02

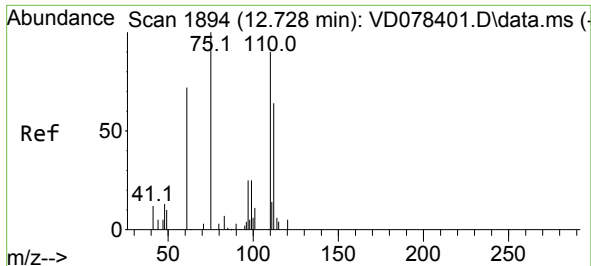
Tgt Ion:117 Resp: 242553
Ion Ratio Lower Upper
117 100
82 51.2 38.3 57.5
119 30.6 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD078497.D
Acq: 21 Feb 2024 14:23

Tgt Ion:152 Resp: 98572
Ion Ratio Lower Upper
152 100
115 59.6 27.1 81.3
150 161.7 0.0 353.6

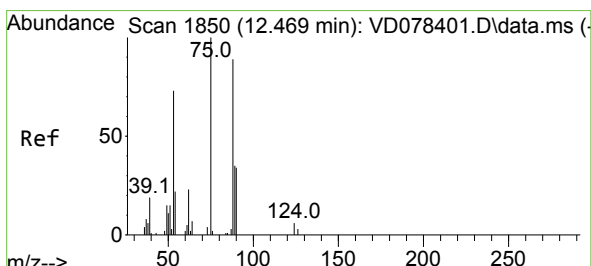
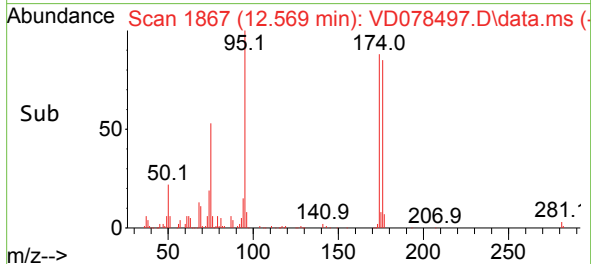
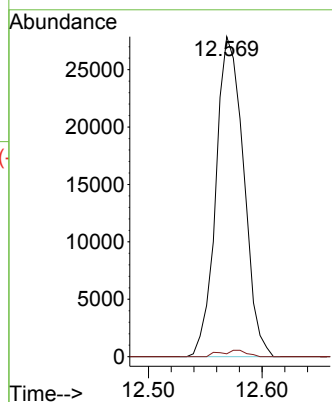
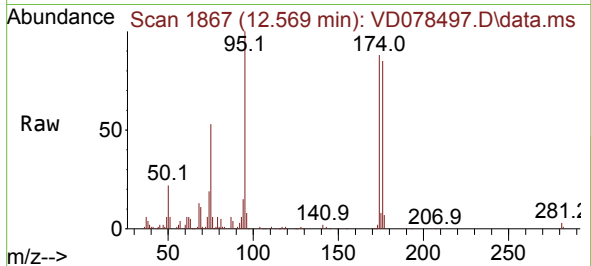




#76
1,2,3-Trichloropropane
Concen: 56.470 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.159 min
Lab File: VD078497.D
Acq: 21 Feb 2024 14:23

Instrument :
MSVOA_D
ClientSampleId :
20241097-COMPOSITE-35N-N-4-02

Tgt Ion: 75 Resp: 47257
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.234 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD078497.D
Acq: 21 Feb 2024 14:23

Tgt Ion: 75 Resp: 47257
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#

