

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022024\
 Data File : VD078481.D
 Acq On : 20 Feb 2024 14:14
 Operator : RP/MD
 Sample : P1523-02
 Misc : 5.07G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20240764-COMPOSITE-39N-N-3-02

Quant Time: Feb 21 05:23:39 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)

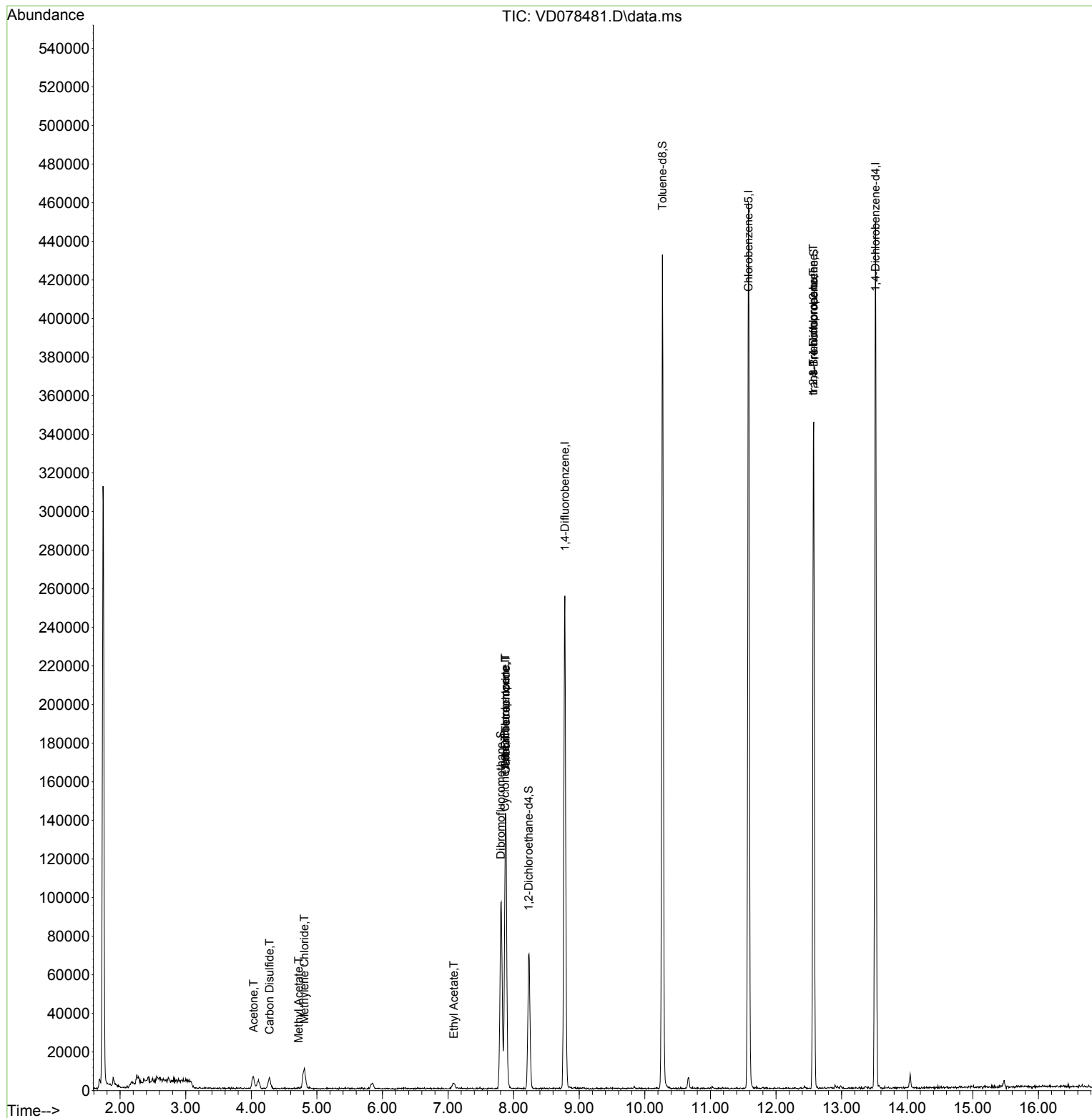
Internal Standards						
1) Pentafluorobenzene	7.875	168	112606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	227570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	267092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	121460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	55639	45.698	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.400%
35) Dibromofluoromethane	7.804	113	71088	49.177	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.360%
50) Toluene-d8	10.269	98	292089	50.511	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.020%
62) 4-Bromofluorobenzene	12.575	95	104432	62.059	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	124.120%
Target Compounds						
					Qvalue	
16) Acetone	4.034	43	10800	24.254	ug/l	95
17) Carbon Disulfide	4.281	76	11397	2.759	ug/l #	87
18) Methyl Acetate	4.722	43	67	4.011	ug/l #	42
20) Methylene Chloride	4.811	84	8540	3.306	ug/l	93
25) 2-Butanone	7.087	43	4118	Below Cal		95
31) Cyclohexane	7.869	56	2435	1.182	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	9853	4.388	ug/l #	48
37) Ethyl Acetate	7.087	43	4118	5.231	ug/l #	62
38) Carbon Tetrachloride	7.881	117	11276	5.070	ug/l #	17
76) 1,2,3-Trichloropropane	12.569	75	55580	53.901	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	55580	111.899	ug/l #	17

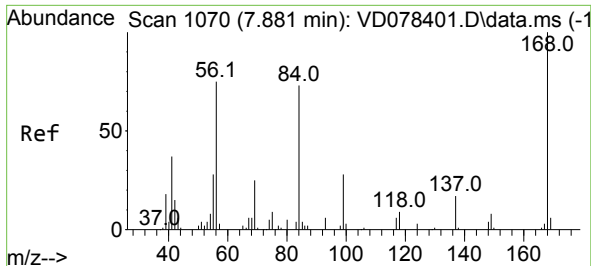
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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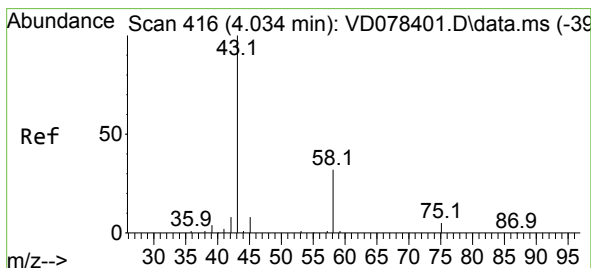
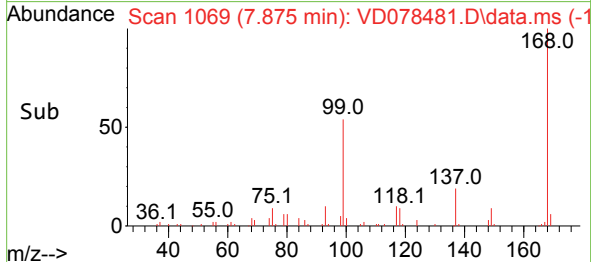
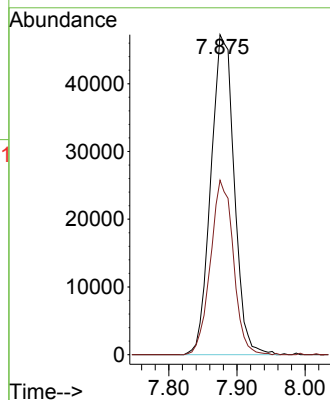
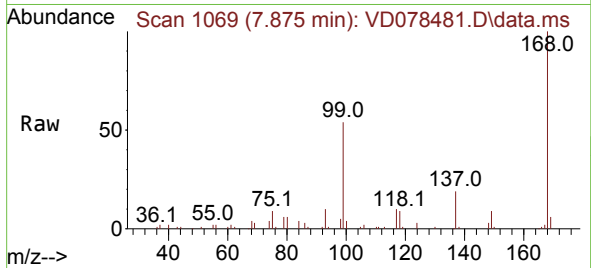




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078481.D
Acq: 20 Feb 2024 14:14

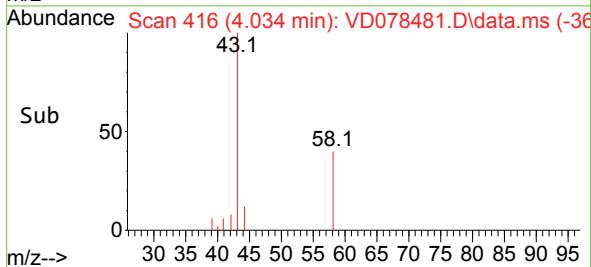
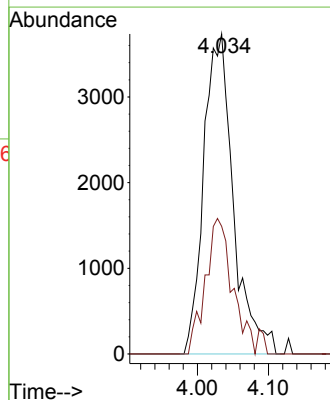
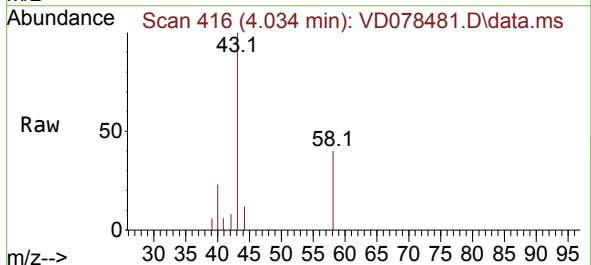
Instrument :
MSVOA_D
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20240764-COMPOSITE-39N-N-3-02

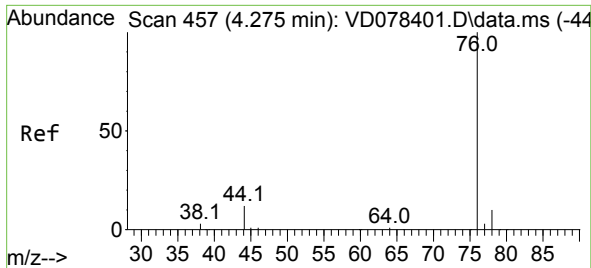
Tgt Ion:168 Resp: 112606
Ion Ratio Lower Upper
168 100
99 54.5 36.7 55.1



#16
Acetone
Concen: 24.254 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.000 min
Lab File: VD078481.D
Acq: 20 Feb 2024 14:14

Tgt Ion: 43 Resp: 10800
Ion Ratio Lower Upper
43 100
58 39.9 34.7 52.1

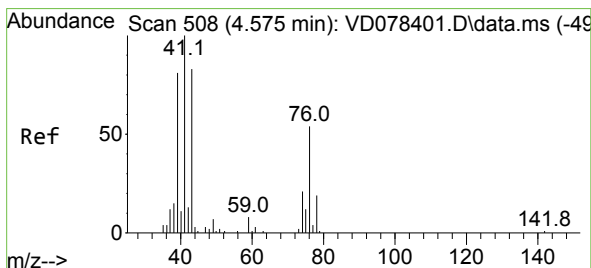
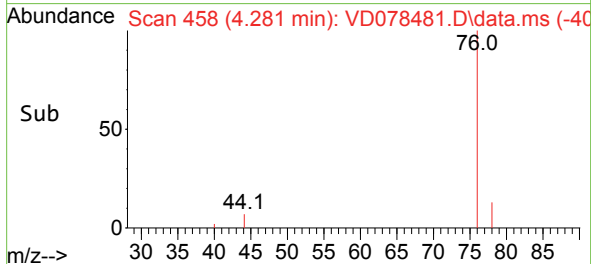
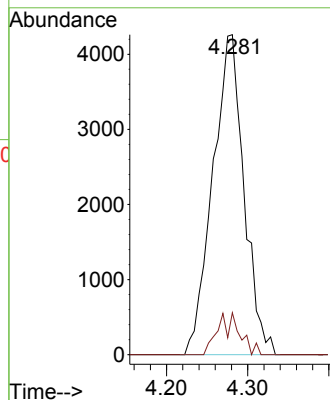
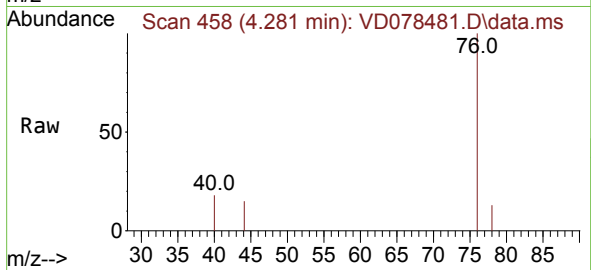




#17
Carbon Disulfide
Concen: 2.759 ug/l
RT: 4.281 min Scan# 411
Delta R.T. 0.006 min
Lab File: VD078481.D
Acq: 20 Feb 2024 14:14

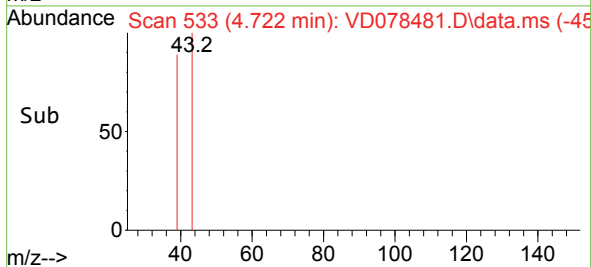
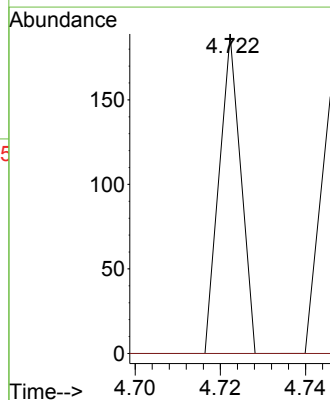
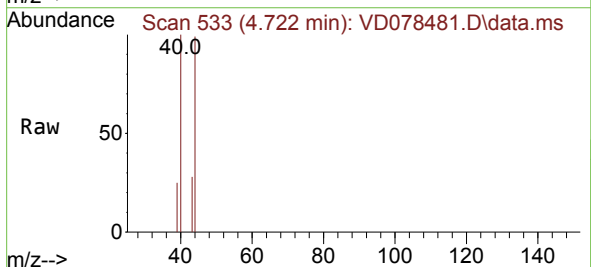
Instrument :
MSVOA_D
ClientSampleId :
20240764-COMPOSITE-39N-N-3-02

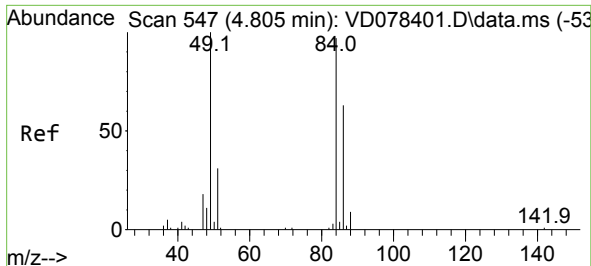
Tgt Ion: 76 Resp: 11397
Ion Ratio Lower Upper
76 100
78 13.1 6.8 10.2#



#18
Methyl Acetate
Concen: 4.011 ug/l
RT: 4.722 min Scan# 533
Delta R.T. 0.147 min
Lab File: VD078481.D
Acq: 20 Feb 2024 14:14

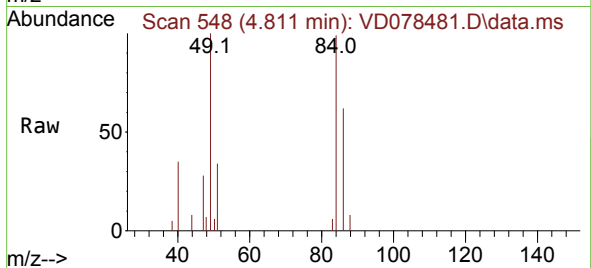
Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



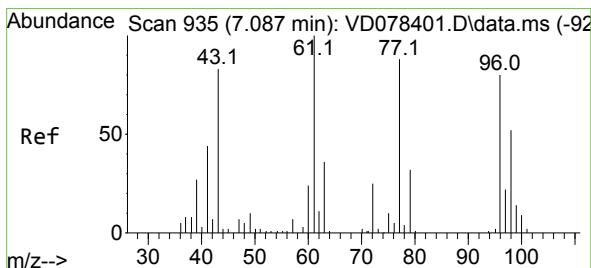
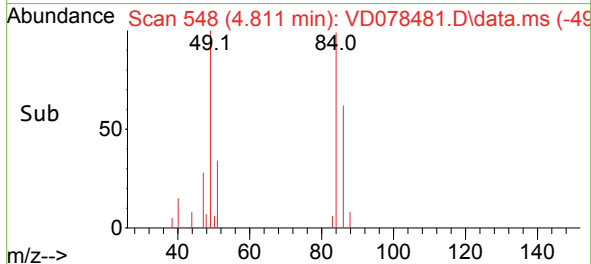
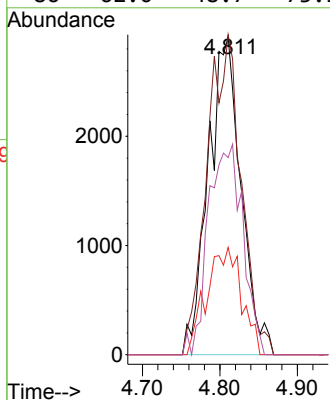


#20
Methylene Chloride
Concen: 3.306 ug/l
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD078481.D
Acq: 20 Feb 2024 14:14

Instrument :
MSVOA_D
ClientSampleId :
20240764-COMPOSITE-39N-N-3-02

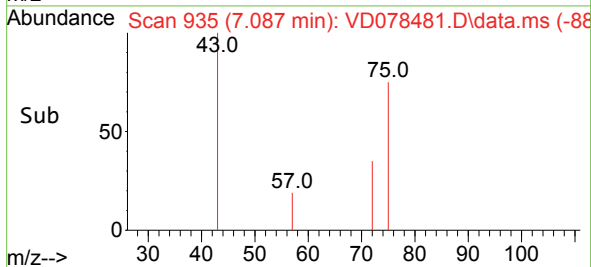
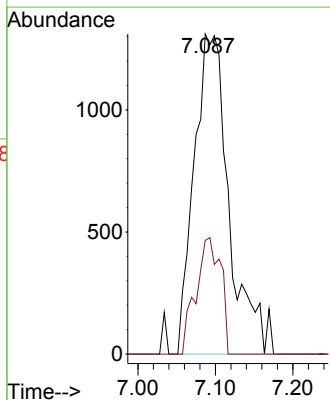
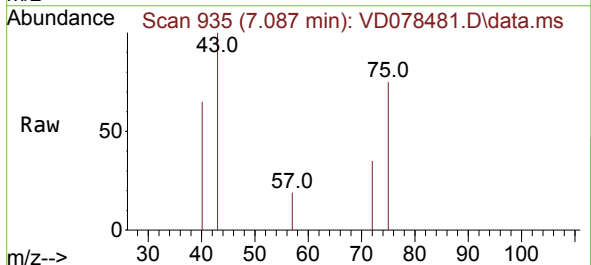


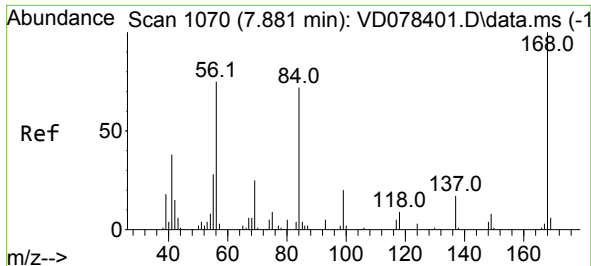
Tgt Ion: 84	Resp: 8540
Ion Ratio	Lower Upper
84 100	
49 100.7	71.4 107.2
51 33.7	24.5 36.7
86 62.0	48.7 73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.087 min Scan# 935
Delta R.T. -0.000 min
Lab File: VD078481.D
Acq: 20 Feb 2024 14:14

Tgt Ion: 43	Resp: 4118
Ion Ratio	Lower Upper
43 100	
72 35.5	30.7 46.1

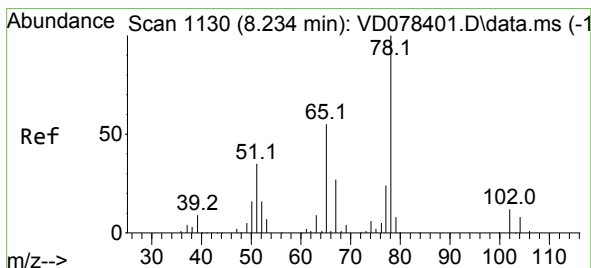
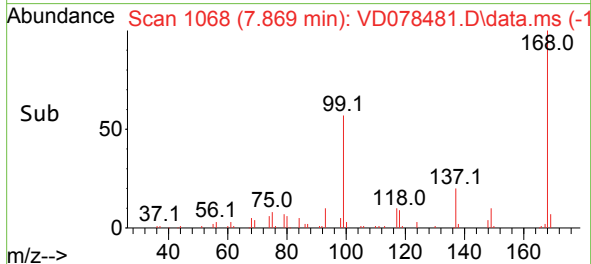
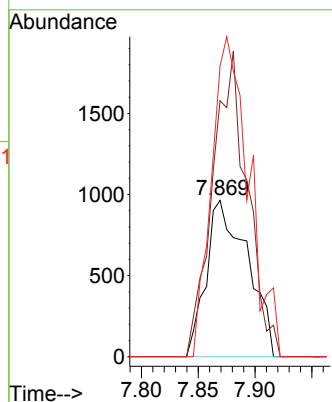
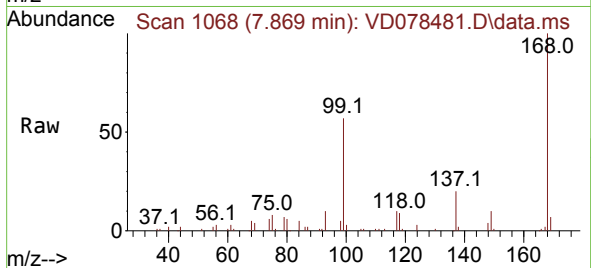




#31
Cyclohexane
Concen: 1.182 ug/l
RT: 7.869 min Scan# 1106
Delta R.T. -0.012 min
Lab File: VD078481.D
Acq: 20 Feb 2024 14:14

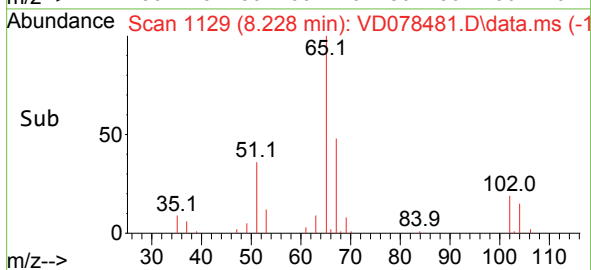
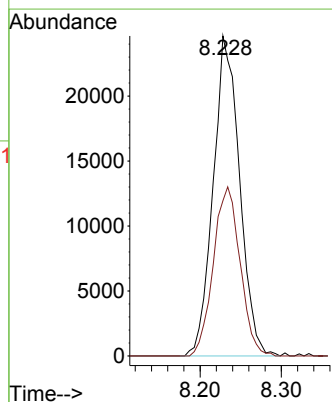
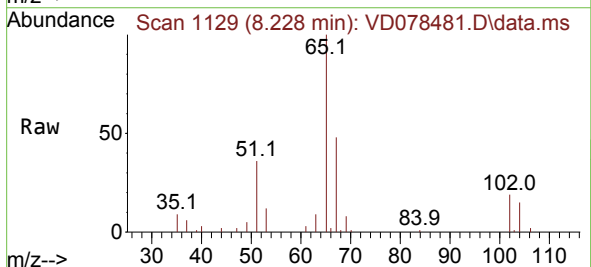
Instrument :
MSVOA_D
ClientSampleId :
20240764-COMPOSITE-39N-N-3-02

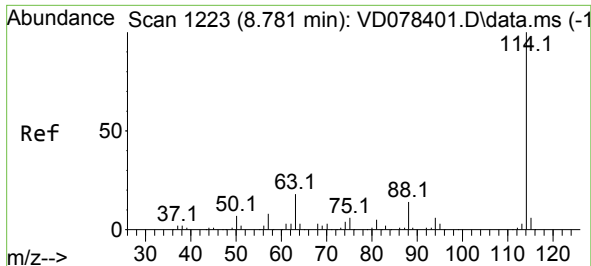
Tgt Ion: 56 Resp: 2435
Ion Ratio Lower Upper
56 100
69 163.6 28.6 43.0#
84 185.9 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 45.698 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078481.D
Acq: 20 Feb 2024 14:14

Tgt Ion: 65 Resp: 55639
Ion Ratio Lower Upper
65 100
67 53.6 0.0 115.0

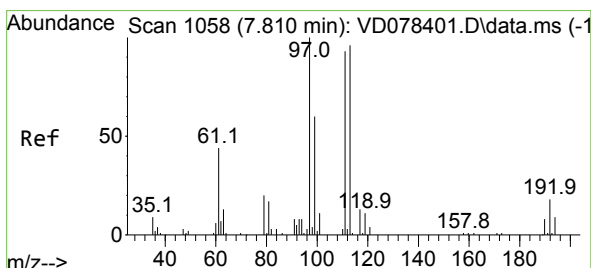
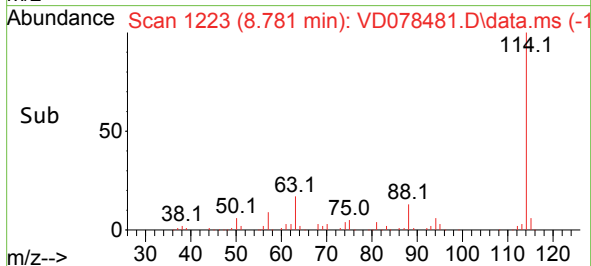
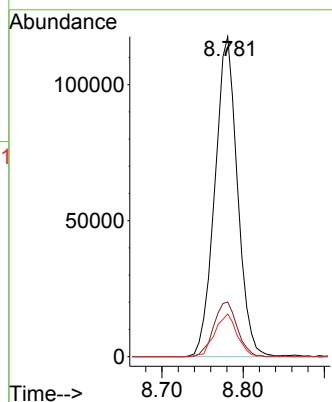
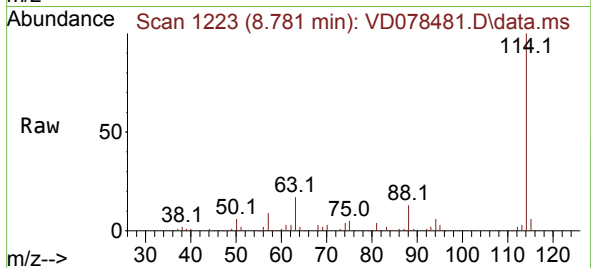




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078481.D
Acq: 20 Feb 2024 14:14

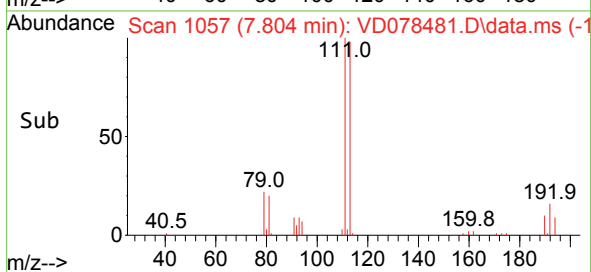
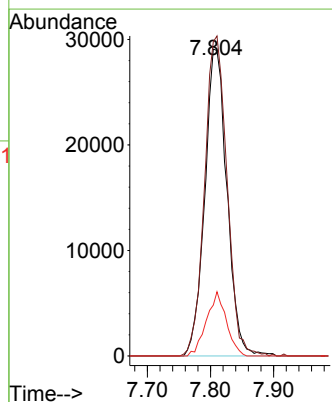
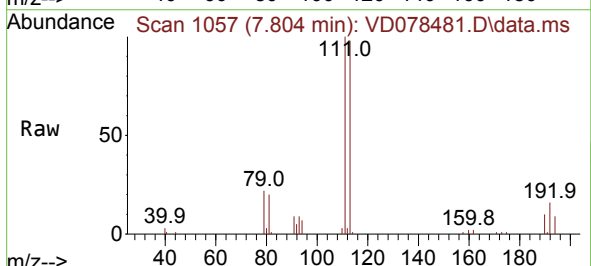
Instrument :
MSVOA_D
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20240764-COMPOSITE-39N-N-3-02

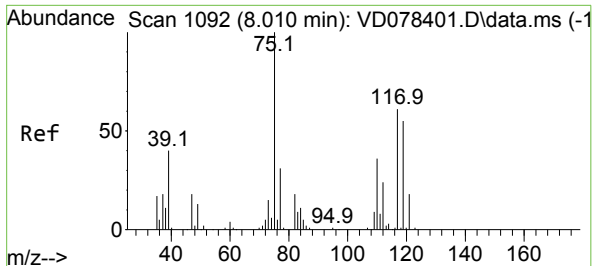
Tgt Ion:114 Resp: 227570
Ion Ratio Lower Upper
114 100
63 17.1 0.0 33.4
88 13.4 0.0 26.2



#35
Dibromofluoromethane
Concen: 49.177 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VD078481.D
Acq: 20 Feb 2024 14:14

Tgt Ion:113 Resp: 71088
Ion Ratio Lower Upper
113 100
111 105.3 84.7 127.1
192 18.7 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.388 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078481.D

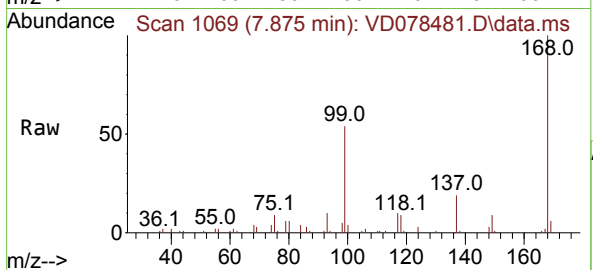
Acq: 20 Feb 2024 14:14

Instrument :

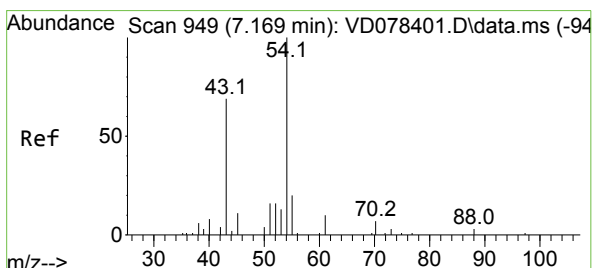
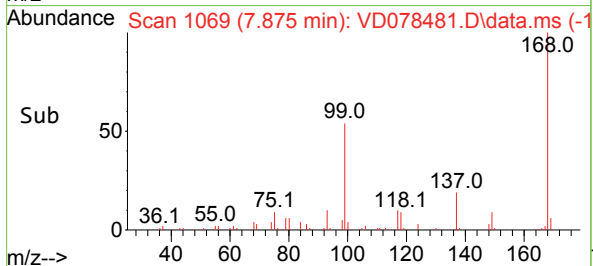
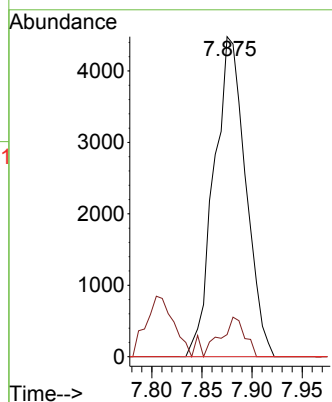
MSVOA_D

ClientSampleId :

20240764-COMPOSITE-39N-N-3-02



Tgt Ion: 75	Resp: 9853
Ion Ratio	Lower Upper
75	100
110	9.3 19.9 59.6#
77	0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 5.231 ug/l

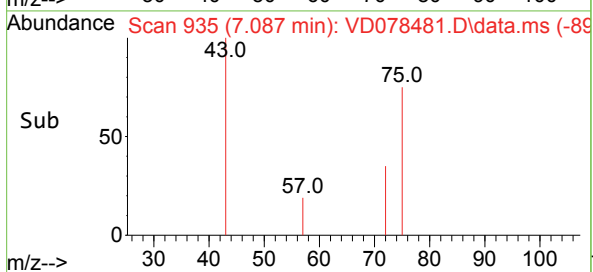
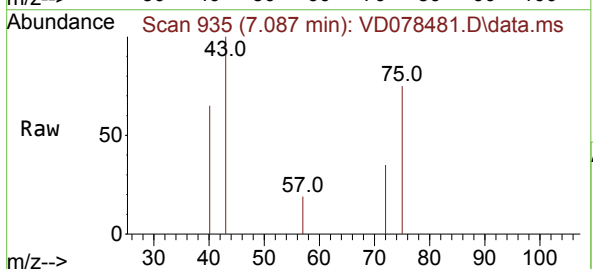
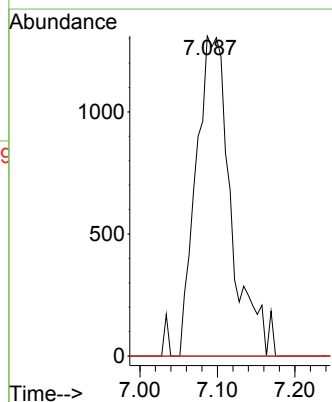
RT: 7.087 min Scan# 935

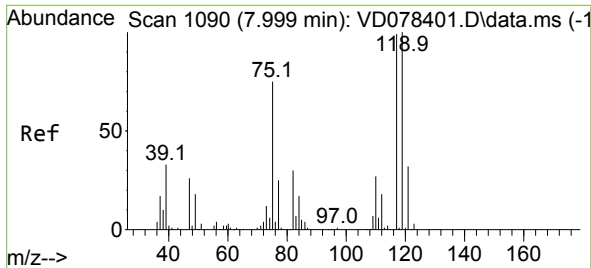
Delta R.T. -0.082 min

Lab File: VD078481.D

Acq: 20 Feb 2024 14:14

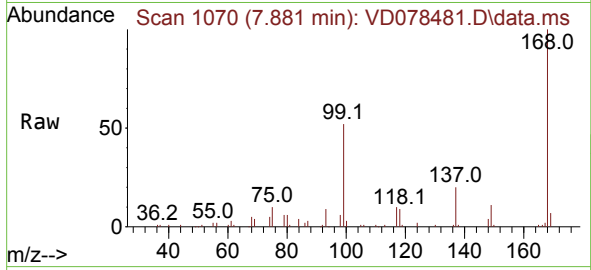
Tgt Ion: 43	Resp: 4118
Ion Ratio	Lower Upper
43	100
61	0.0 14.9 22.3#
70	0.0 10.0 15.0#



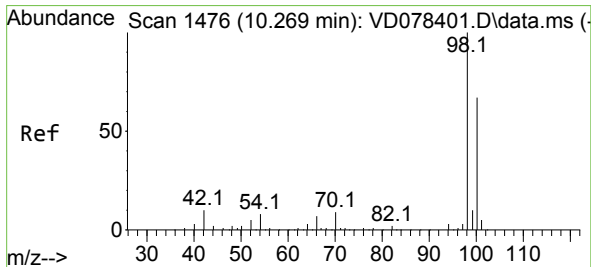
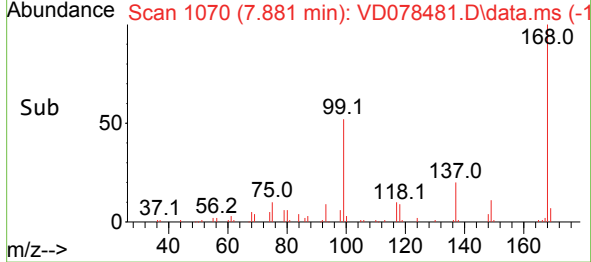
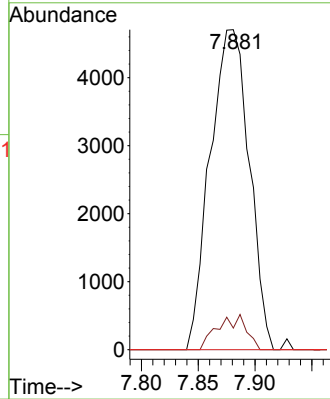


#38
Carbon Tetrachloride
Concen: 5.070 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.118 min
Lab File: VD078481.D
Acq: 20 Feb 2024 14:14

Instrument : MSVOA_D
ClientSampleId : 20240764-COMPOSITE-39N-N-3-02

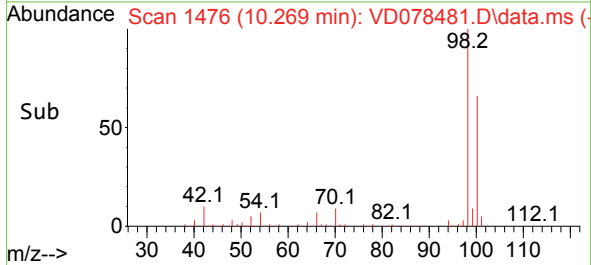
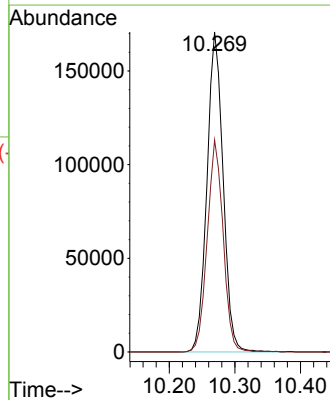
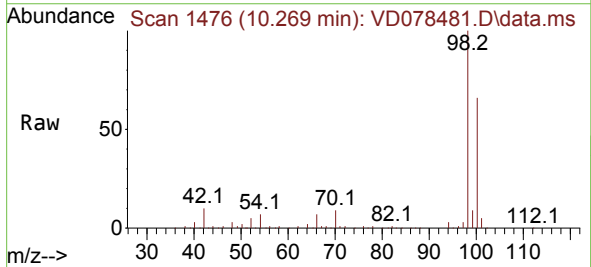


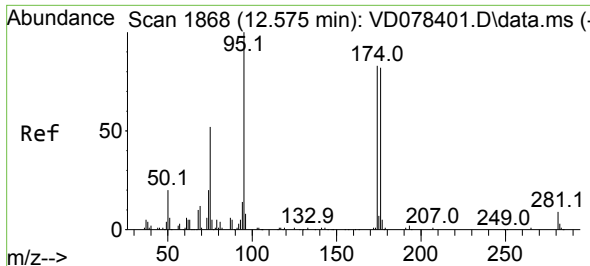
Tgt Ion:117 Resp: 11276
Ion Ratio Lower Upper
117 100
119 6.7 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.511 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078481.D
Acq: 20 Feb 2024 14:14

Tgt Ion: 98 Resp: 292089
Ion Ratio Lower Upper
98 100
100 65.5 50.3 75.5

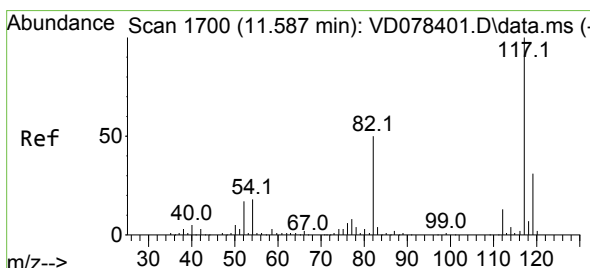
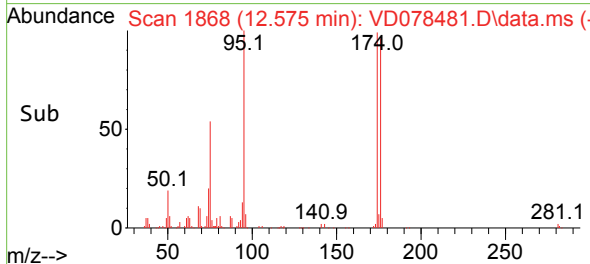
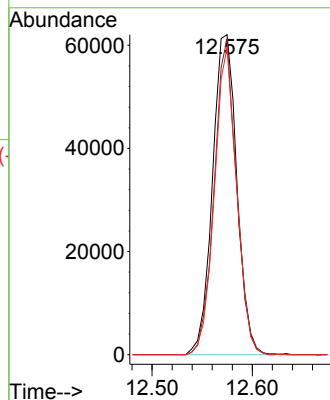
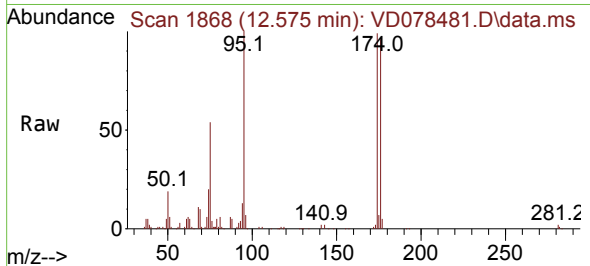




#62
4-Bromofluorobenzene
Concen: 62.059 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078481.D
Acq: 20 Feb 2024 14:14

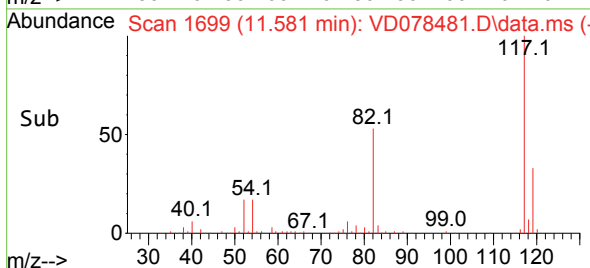
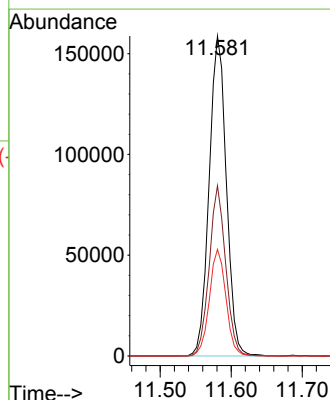
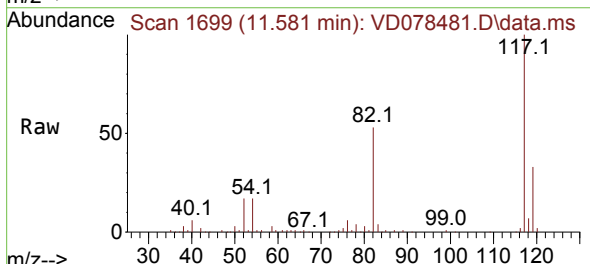
Instrument :
MSVOA_D
ClientSampleId :
20240764-COMPOSITE-39N-N-3-02

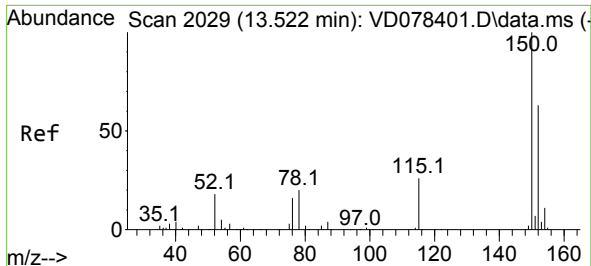
Tgt Ion: 95 Resp: 104432
Ion Ratio Lower Upper
95 100
174 90.4 0.0 201.8
176 87.4 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078481.D
Acq: 20 Feb 2024 14:14

Tgt Ion: 117 Resp: 267092
Ion Ratio Lower Upper
117 100
82 53.2 38.3 57.5
119 33.3 25.0 37.4

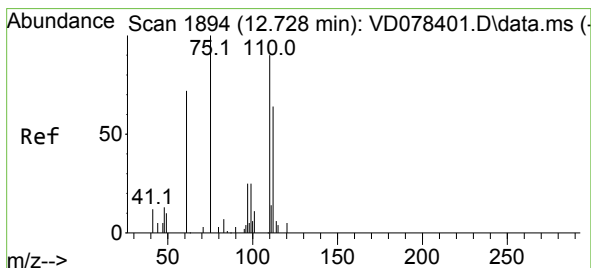
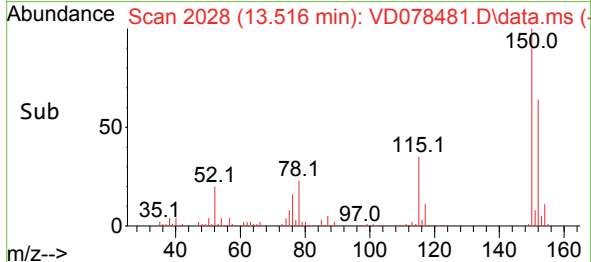
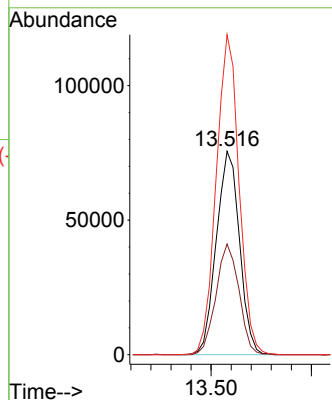
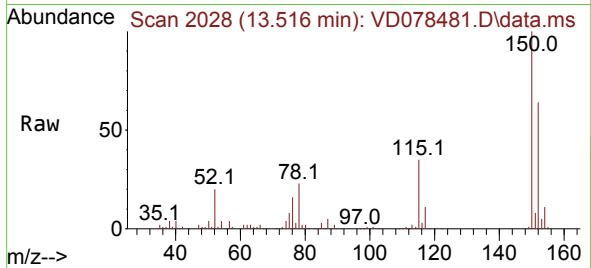




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD078481.D
Acq: 20 Feb 2024 14:14

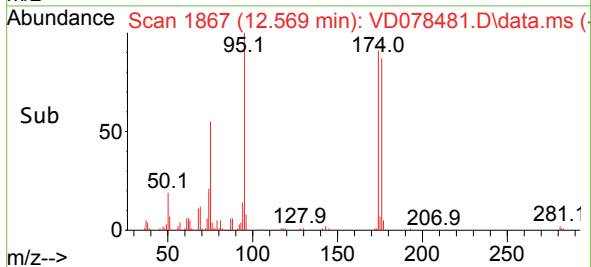
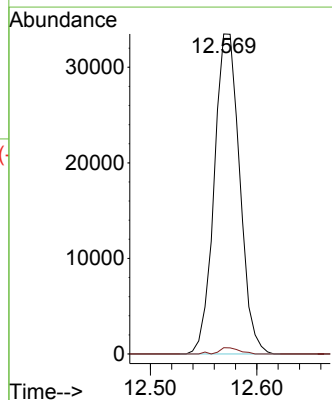
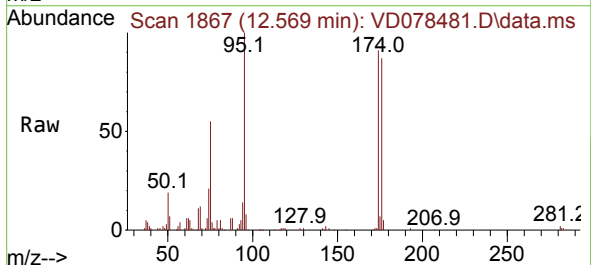
Instrument :
MSVOA_D
ClientSampleId :
20240764-COMPOSITE-39N-N-3-02

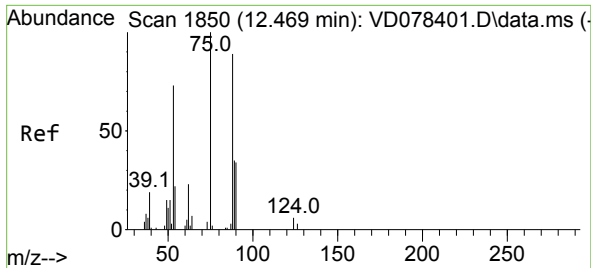
Tgt Ion:152 Resp: 121460
Ion Ratio Lower Upper
152 100
115 53.8 27.1 81.3
150 154.5 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 53.901 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.159 min
Lab File: VD078481.D
Acq: 20 Feb 2024 14:14

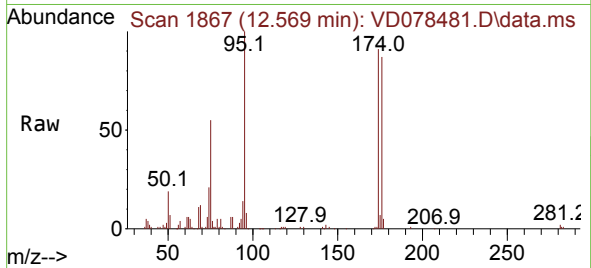
Tgt Ion: 75 Resp: 55580
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 111.899 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD078481.D
Acq: 20 Feb 2024 14:14

Instrument :
MSVOA_D
ClientSampleId :
20240764-COMPOSITE-39N-N-3-02



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

