

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060324\
 Data File : VD079128.D
 Acq On : 03 Jun 2024 17:14
 Operator : RP/MD
 Sample : P2642-19
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A4DG2

Quant Time: Jun 04 05:06:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Jun 01 00:34:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	191621	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	200517	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	87369	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	125846	21.342	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.360%
7) Chloroethane-d5	2.793	69	124476	21.831	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.320%
11) 1,1-Dichloroethene-d2	3.916	65	21984	21.001	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.000%
21) 2-Butanone-d5	6.987	46	22268	49.372	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.740%
24) Chloroform-d	7.569	84	128043	23.898	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	8.228	65	53934	21.821	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.280%
32) Benzene-d6	8.199	84	221653	19.940	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.760%
36) 1,2-Dichloropropane-d6	9.204	67	63572	19.854	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	79.400%
41) Toluene-d8	10.263	98	220830	21.217	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.880%
43) trans-1,3-Dichloroprop...	10.522	79	29470	21.897	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.600%
47) 2-Hexanone-d5	10.875	63	20996	50.722	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.440%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	61108	21.546	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.200%
66) 1,2-Dichlorobenzene-d4	13.810	152	70008	23.218	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.880%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	3.934	96	208972	78.745	ug/L #	82
13) Acetone	4.022	43	89617	137.246	ug/L	98
16) Methylene chloride	4.793	84	139871	40.965	ug/L	97
18) Methyl tert-butyl Ether	5.316	73	499965	98.294	ug/L #	89
19) 1,1-Dichloroethane	6.110	63	252776	54.744	ug/L	97
22) 2-Butanone	7.081	43	121982	177.831	ug/L	94
25) Chloroform	7.593	83	396206	75.577	ug/L	90
30) 1,1,1-Trichloroethane	7.793	97	1630	0.343	ug/L #	70
33) Benzene	8.246	78	167639	14.037	ug/L	100
37) 1,2-Dichloropropane	9.304	63	99816	34.122	ug/L #	91
38) Bromodichloromethane	9.581	83	69010	16.970	ug/L	95
39) cis-1,3-Dichloropropene	10.016	75	273551	59.903	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	182440	149.400	ug/L	95
42) Toluene	10.334	91	461267	34.782	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	321163	83.169	ug/L	94
45) 1,1,2-Trichloroethane	10.728	97	39355	15.335	ug/L	95
46) Tetrachloroethene	10.810	164	97021	35.822	ug/L	98
48) 2-Hexanone	10.916	43	192737	182.398	ug/L	96
50) 1,2-Dibromoethane	11.175	107	136960	58.069	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060324\
 Data File : VD079128.D
 Acq On : 03 Jun 2024 17:14
 Operator : RP/MD
 Sample : P2642-19
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A4DG2

Quant Time: Jun 04 05:06:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Jun 01 00:34:30 2024
 Response via : Initial Calibration

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

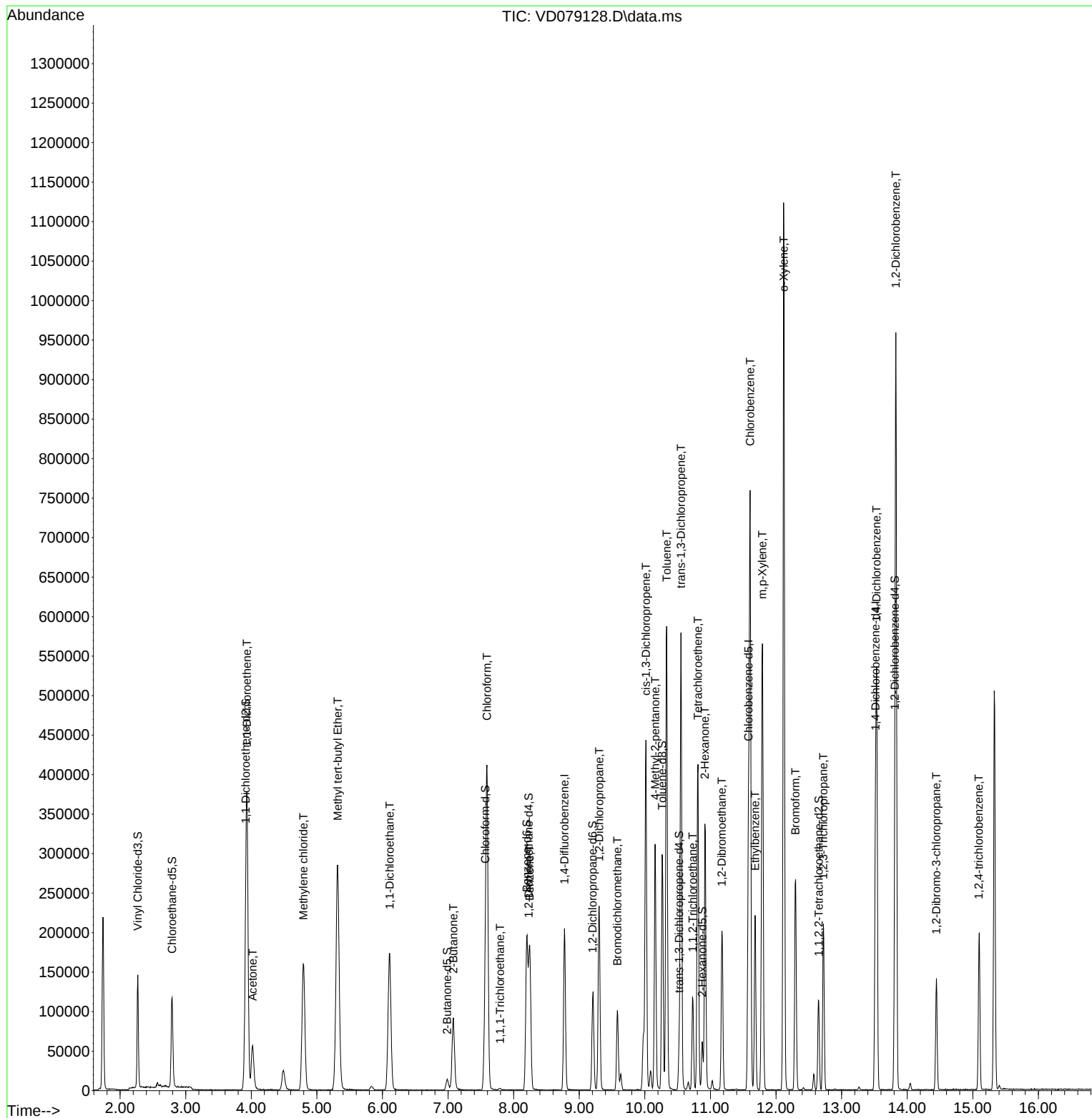
51) Chlorobenzene	11.604	112	432047	48.964	ug/L	98
52) Ethylbenzene	11.681	91	163013	11.784	ug/L	98
53) m,p-Xylene	11.793	106	195642	36.048	ug/L	98
54) o-Xylene	12.116	106	317303	60.514	ug/L	91
59) Bromoform	12.298	173	121906	76.130	ug/L	98
61) 1,2,3-Trichloropropane	12.722	75	86798	56.271	ug/L	99
65) 1,4-Dichlorobenzene	13.534	146	201727	34.305	ug/L	96
67) 1,2-Dichlorobenzene	13.828	146	372267	72.560	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.445	75	32354	102.033	ug/L	95
70) 1,2,4-trichlorobenzene	15.092	180	66995	23.046	ug/L	99

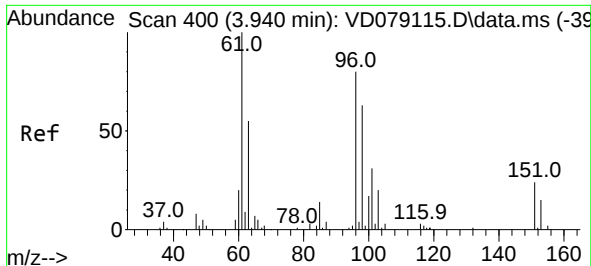
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060324\
Data File : VD079128.D
Acq On : 03 Jun 2024 17:14
Operator : RP/MD
Sample : P2642-19
Misc : 5.00G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A4DG2

Quant Time: Jun 04 05:06:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Jun 01 00:34:30 2024
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 78.745 ug/L

RT: 3.934 min Scan# 399

Delta R.T. -0.006 min

Lab File: VD079128.D

Acq: 03 Jun 2024 17:14

Instrument :

MSVOA_D

ClientSampleId :

A4DG2

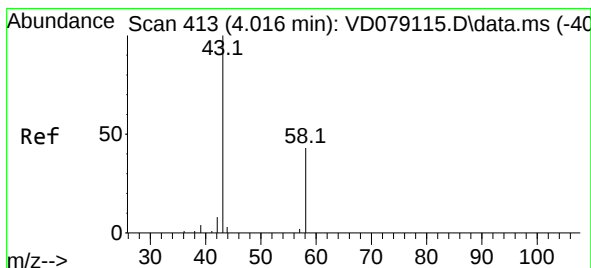
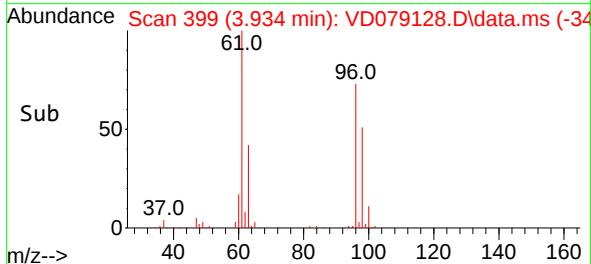
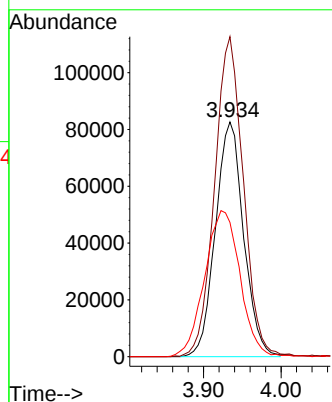
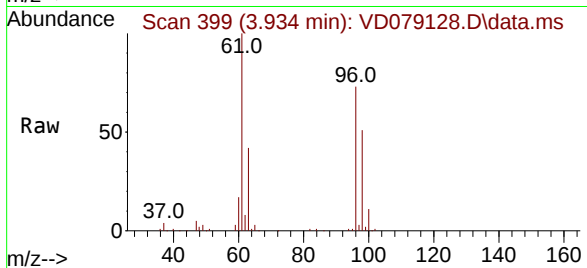
Tgt Ion: 96 Resp: 208972

Ion Ratio Lower Upper

96 100

61 136.4 93.9 174.3

63 57.2 67.7 125.7#



#13

Acetone

Concen: 137.246 ug/L

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD079128.D

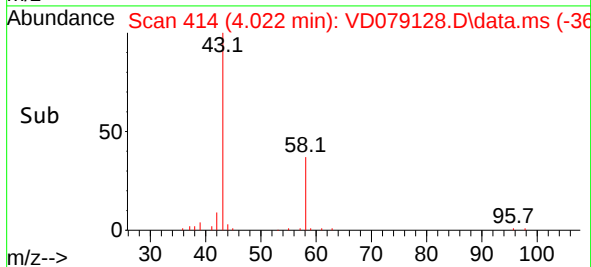
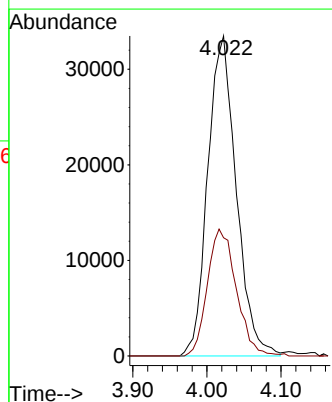
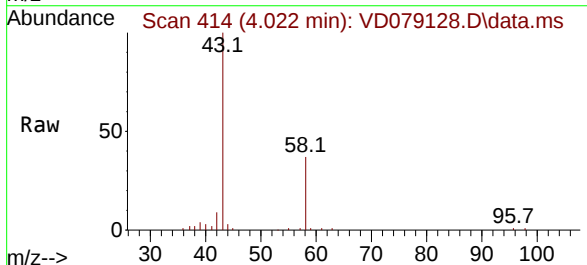
Acq: 03 Jun 2024 17:14

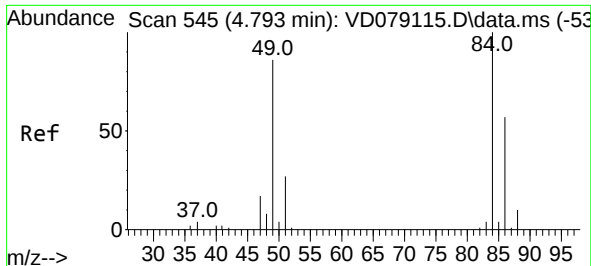
Tgt Ion: 43 Resp: 89617

Ion Ratio Lower Upper

43 100

58 40.2 0.0 78.2

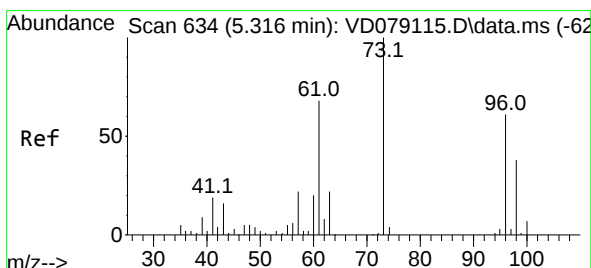
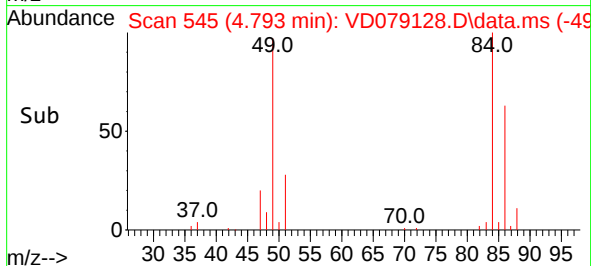
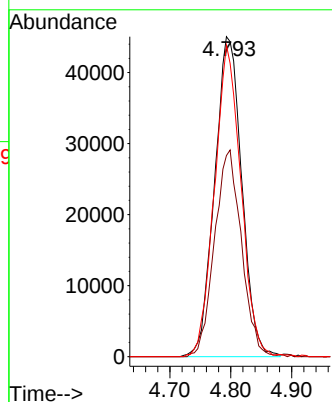
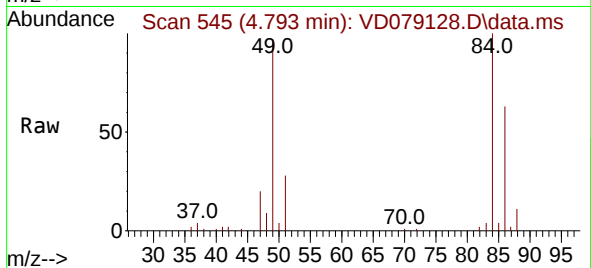




#16
Methylene chloride
Concen: 40.965 ug/L
RT: 4.793 min Scan# 54
Delta R.T. -0.012 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

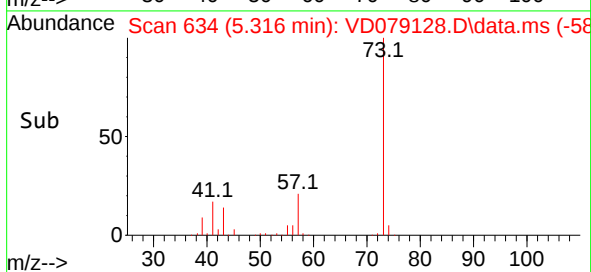
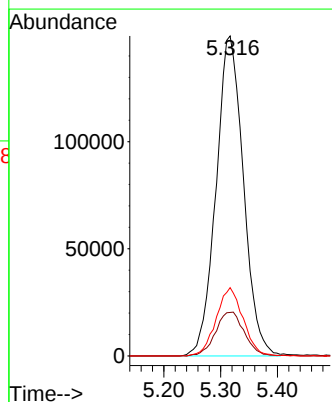
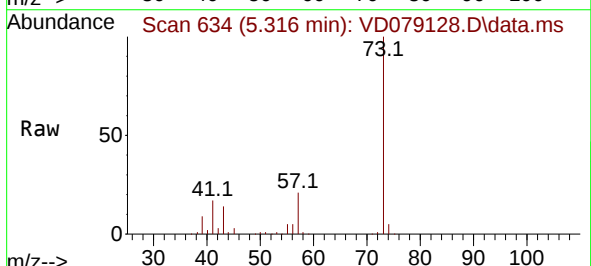
Instrument :
MSVOA_D
ClientSampleId :
A4DG2

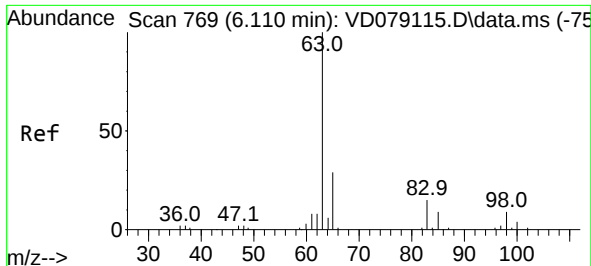
Tgt Ion: 84 Resp: 139871
Ion Ratio Lower Upper
84 100
86 62.9 40.9 76.0
49 97.3 67.5 125.3



#18
Methyl tert-butyl Ether
Concen: 98.294 ug/L
RT: 5.316 min Scan# 634
Delta R.T. -0.006 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

Tgt Ion: 73 Resp: 499965
Ion Ratio Lower Upper
73 100
43 14.4 12.0 18.0
57 20.9 9.6 14.4#





#19

1,1-Dichloroethane

Concen: 54.744 ug/L

RT: 6.110 min Scan# 7

Delta R.T. 0.000 min

Lab File: VD079128.D

Acq: 03 Jun 2024 17:14

Instrument :

MSVOA_D

ClientSampleId :

A4DG2

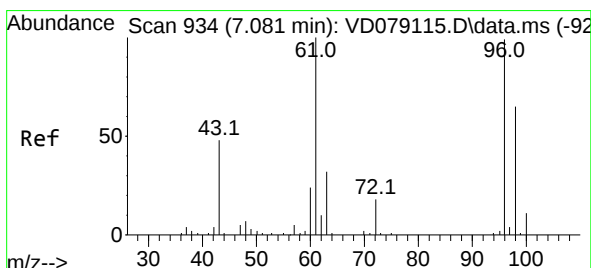
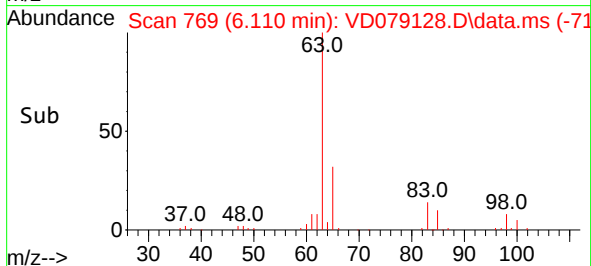
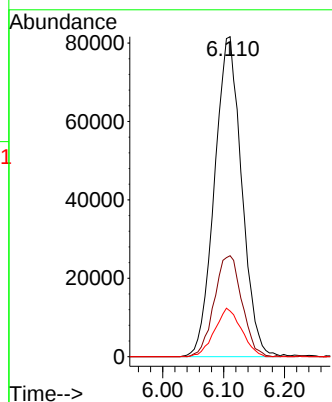
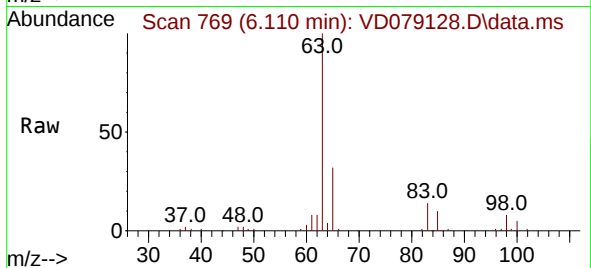
Tgt Ion: 63 Resp: 252776

Ion Ratio Lower Upper

63 100

65 31.6 22.8 42.4

83 14.3 8.6 16.0



#22

2-Butanone

Concen: 177.831 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.000 min

Lab File: VD079128.D

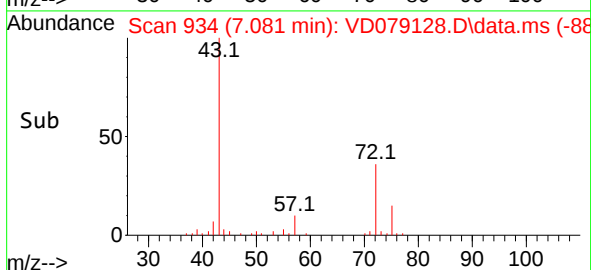
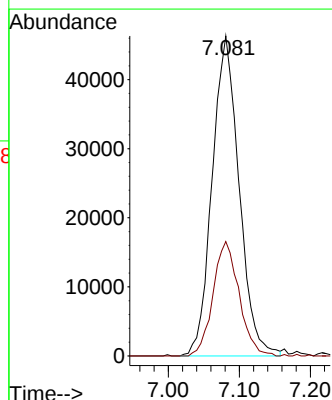
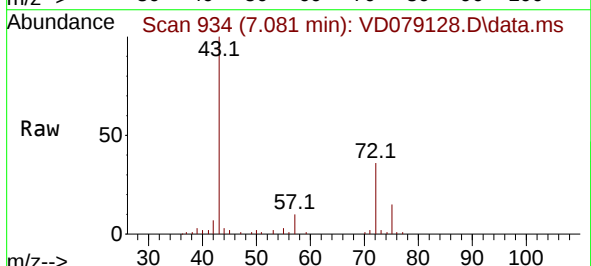
Acq: 03 Jun 2024 17:14

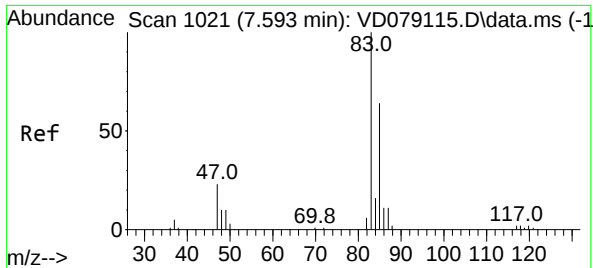
Tgt Ion: 43 Resp: 121982

Ion Ratio Lower Upper

43 100

72 34.6 19.3 57.8

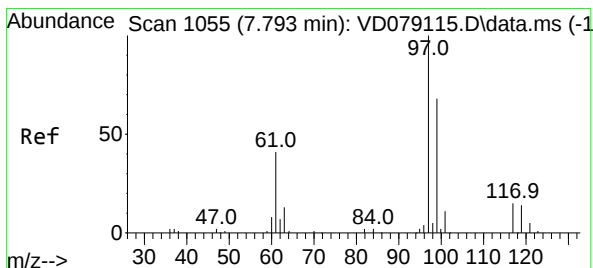
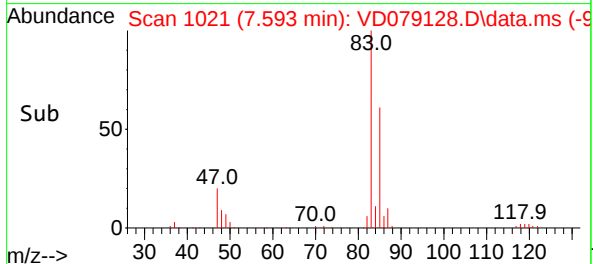
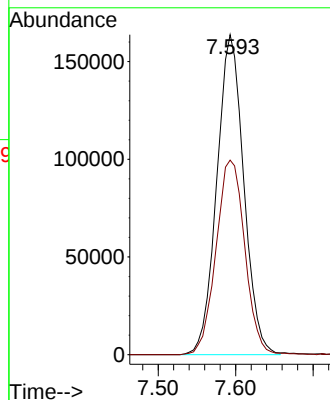
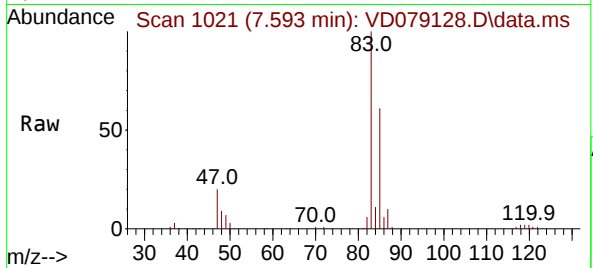




#25
Chloroform
Concen: 75.577 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

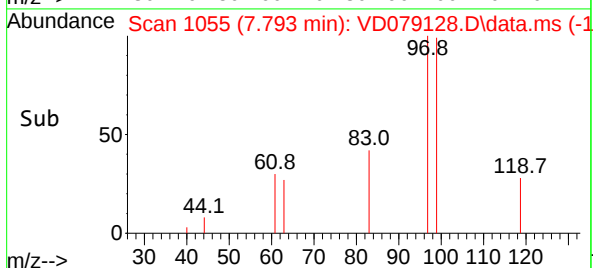
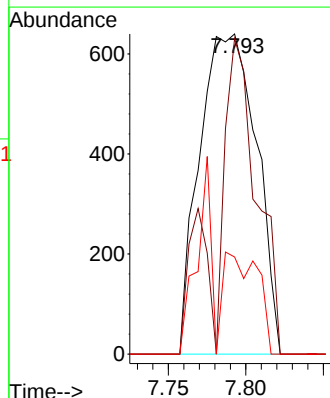
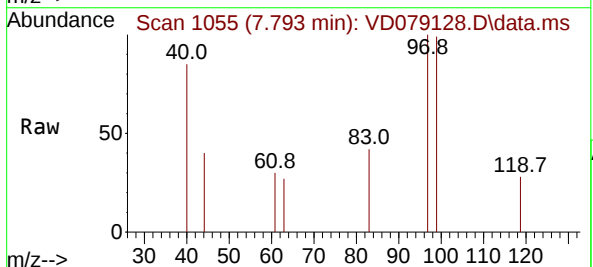
Instrument :
MSVOA_D
ClientSampleId :
A4DG2

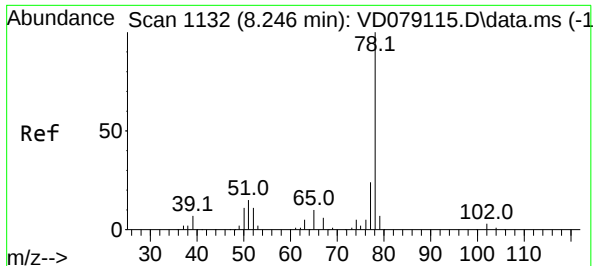
Tgt Ion: 83 Resp: 396206
Ion Ratio Lower Upper
83 100
85 60.8 47.9 89.1



#30
1,1,1-Trichloroethane
Concen: 0.343 ug/L
RT: 7.793 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

Tgt Ion: 97 Resp: 1630
Ion Ratio Lower Upper
97 100
99 48.5 52.3 78.5#
61 11.9 31.7 47.5#

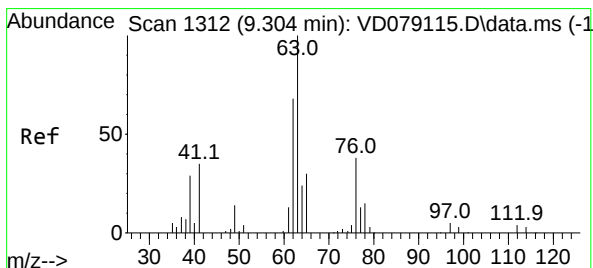
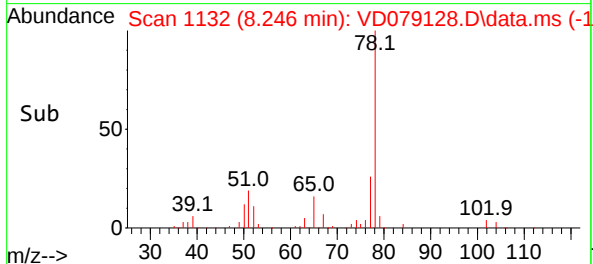
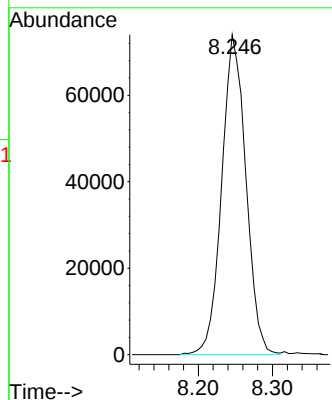
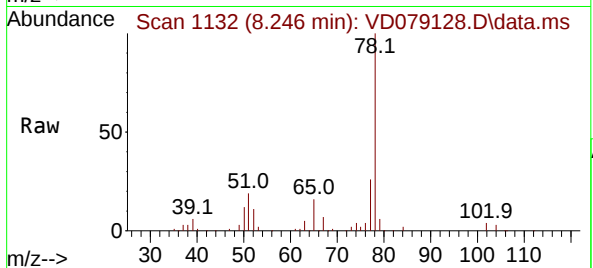




#33
Benzene
Concen: 14.037 ug/L
RT: 8.246 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

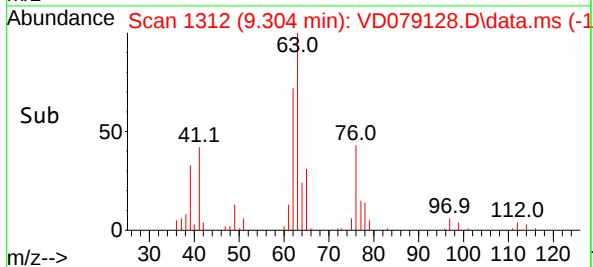
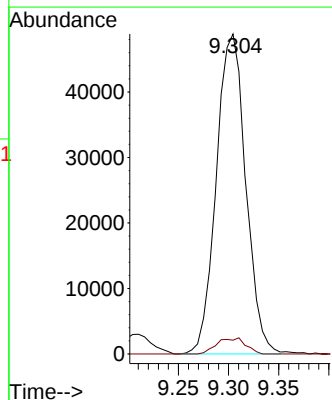
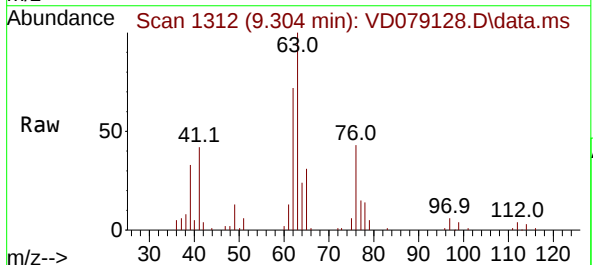
Instrument :
MSVOA_D
ClientSampleId :
A4DG2

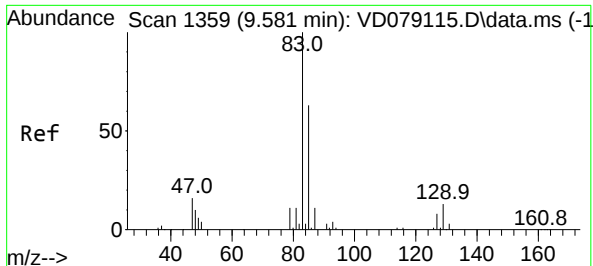
Tgt Ion: 78 Resp: 167639



#37
1,2-Dichloropropane
Concen: 34.122 ug/L
RT: 9.304 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

Tgt Ion: 63 Resp: 99816
Ion Ratio Lower Upper
63 100
112 1.8 3.9 5.9#

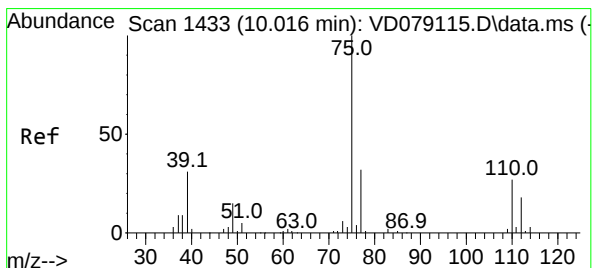
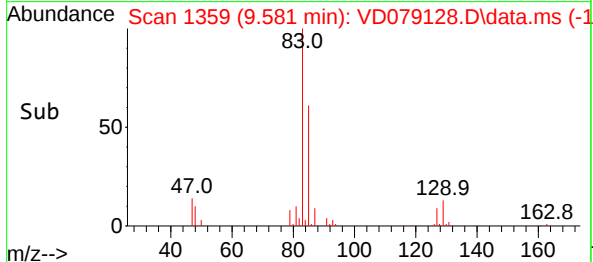
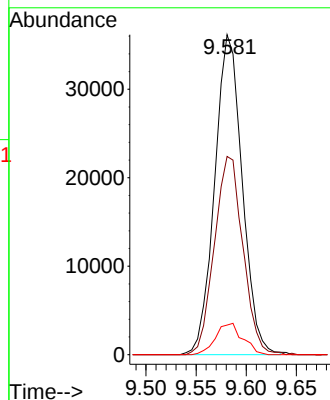
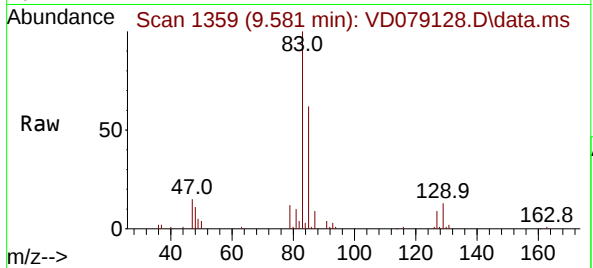




#38
Bromodichloromethane
Concen: 16.970 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. -0.006 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

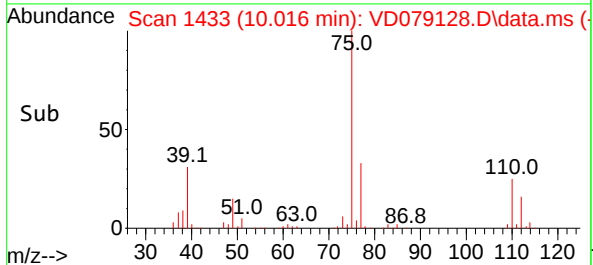
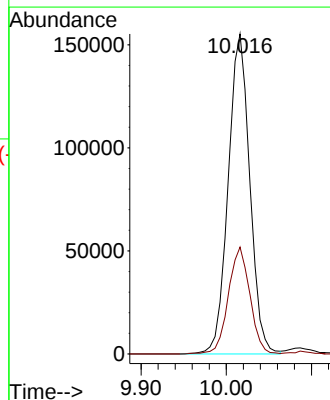
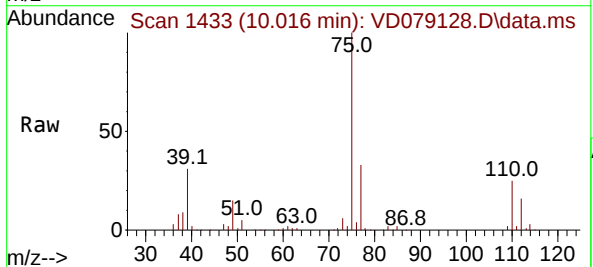
Instrument :
MSVOA_D
ClientSampleId :
A4DG2

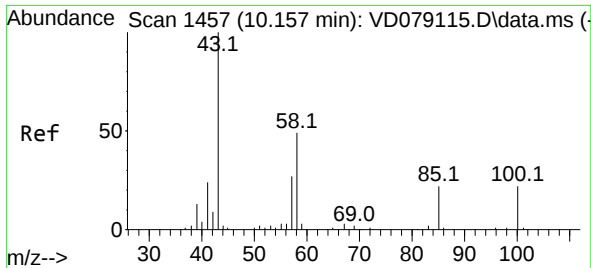
Tgt Ion: 83 Resp: 69010
Ion Ratio Lower Upper
83 100
85 62.0 46.5 86.5
127 10.1 7.0 10.6



#39
cis-1,3-Dichloropropene
Concen: 59.903 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

Tgt Ion: 75 Resp: 273551
Ion Ratio Lower Upper
75 100
77 33.4 23.4 43.4

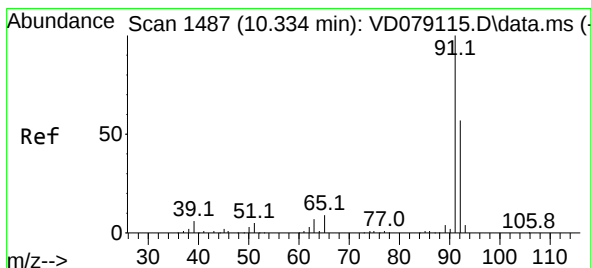
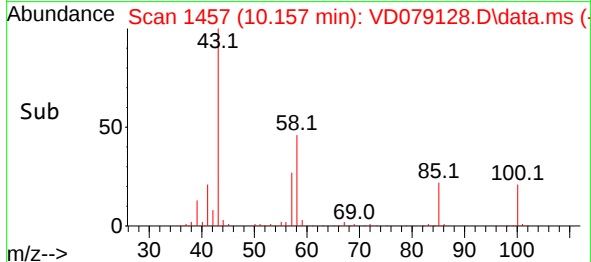
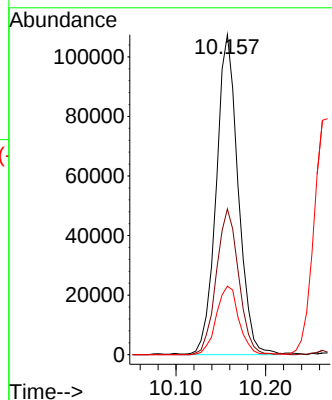
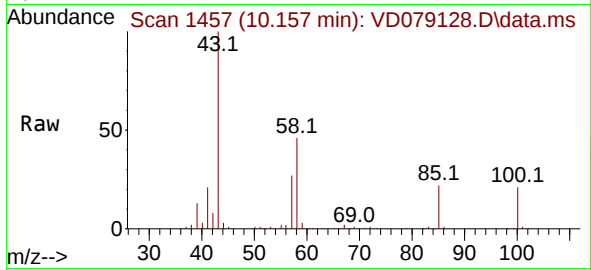




#40
4-Methyl-2-pentanone
Concen: 149.400 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

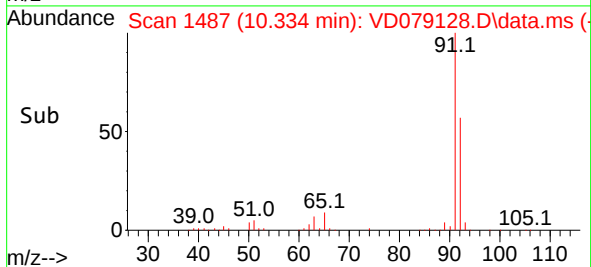
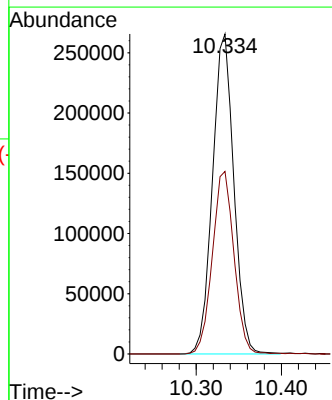
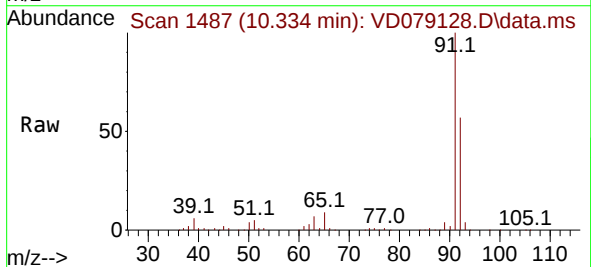
Instrument :
MSVOA_D
ClientSampleId :
A4DG2

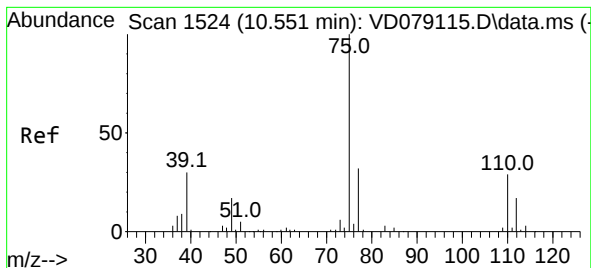
Tgt Ion: 43 Resp: 182440
Ion Ratio Lower Upper
43 100
58 46.3 34.0 51.0
100 22.0 16.9 25.3



#42
Toluene
Concen: 34.782 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

Tgt Ion: 91 Resp: 461267
Ion Ratio Lower Upper
91 100
92 57.1 38.9 72.3

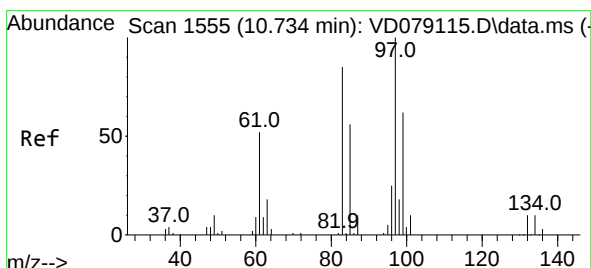
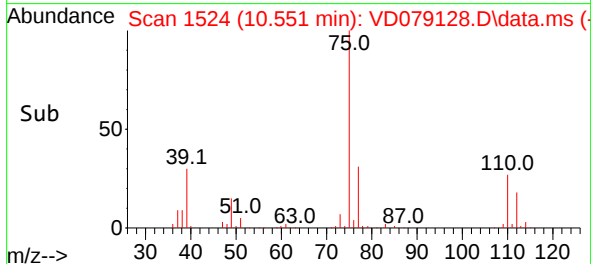
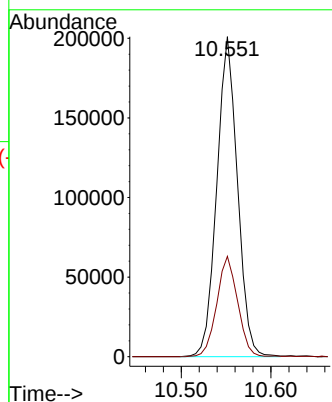
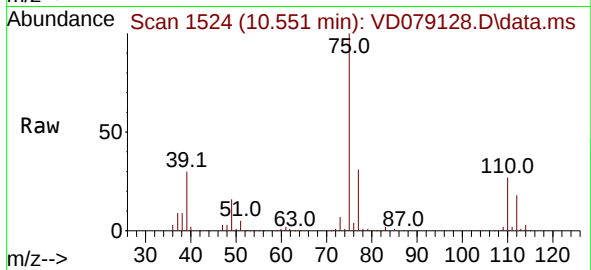




#44
trans-1,3-Dichloropropene
Concen: 83.169 ug/L
RT: 10.551 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

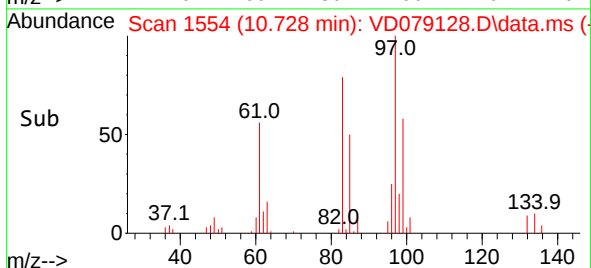
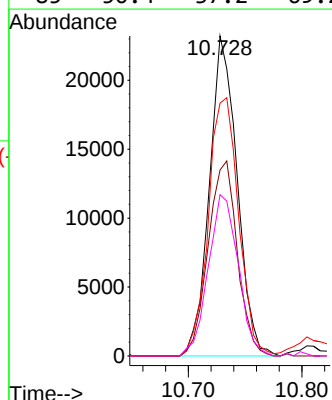
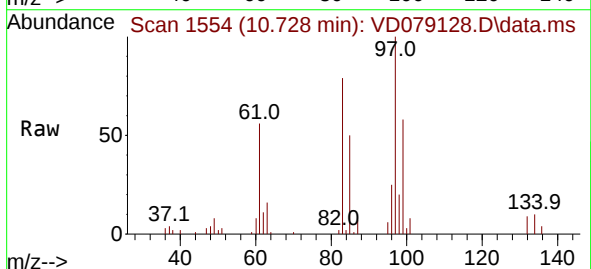
Instrument :
MSVOA_D
ClientSampleId :
A4DG2

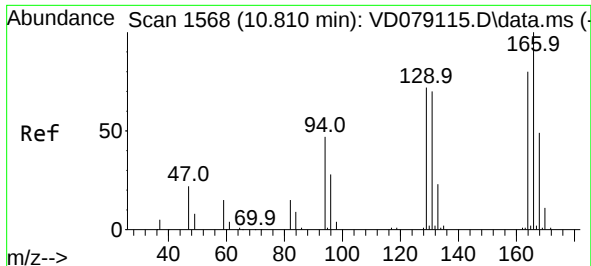
Tgt Ion: 75 Resp: 321163
Ion Ratio Lower Upper
75 100
77 31.4 24.3 45.1



#45
1,1,2-Trichloroethane
Concen: 15.335 ug/L
RT: 10.728 min Scan# 1554
Delta R.T. 0.000 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

Tgt Ion: 97 Resp: 39355
Ion Ratio Lower Upper
97 100
99 58.1 43.0 79.8
83 79.0 58.9 109.5
85 50.4 37.2 69.2

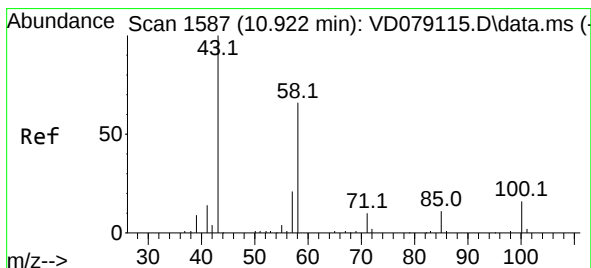
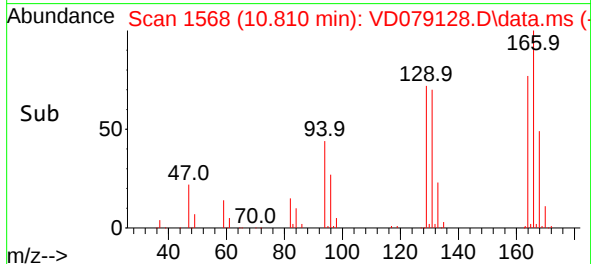
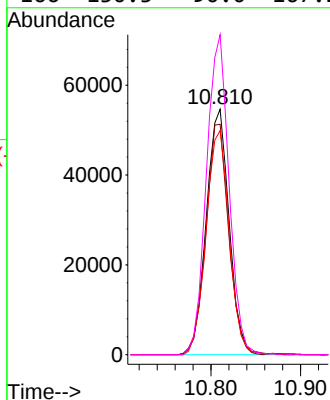
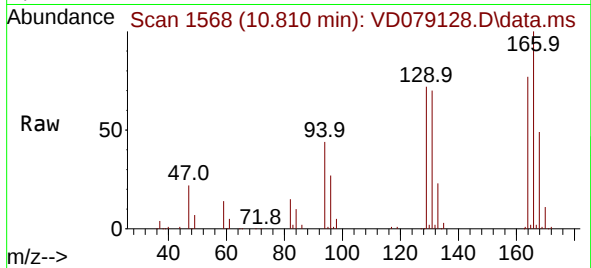




#46
Tetrachloroethene
Concen: 35.822 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

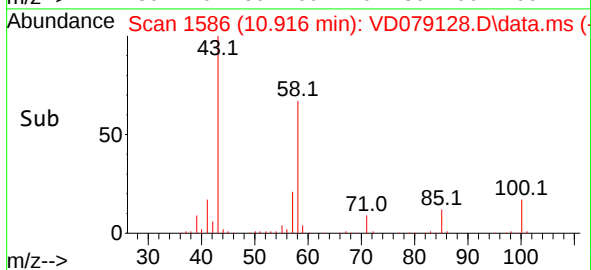
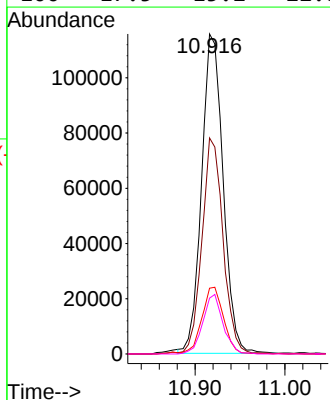
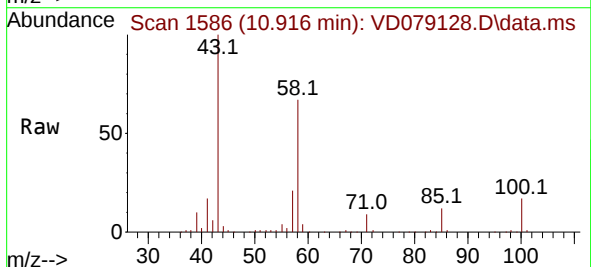
Instrument :
MSVOA_D
ClientSampleId :
A4DG2

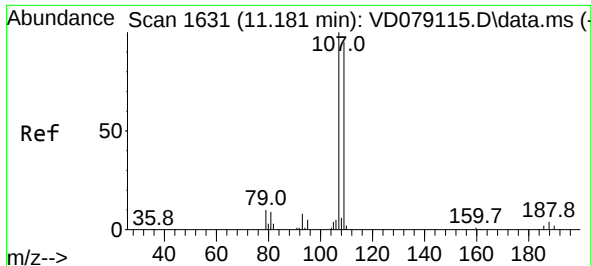
Tgt Ion:164 Resp: 97021
Ion Ratio Lower Upper
164 100
129 93.8 64.3 119.5
131 91.3 61.2 113.8
166 130.3 90.0 167.2



#48
2-Hexanone
Concen: 182.398 ug/L
RT: 10.916 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

Tgt Ion: 43 Resp: 192737
Ion Ratio Lower Upper
43 100
58 66.1 50.1 75.1
57 20.9 16.5 24.7
100 17.5 15.2 22.8

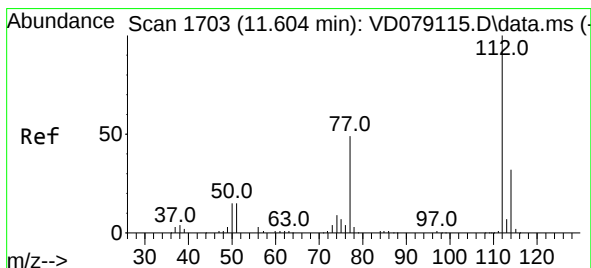
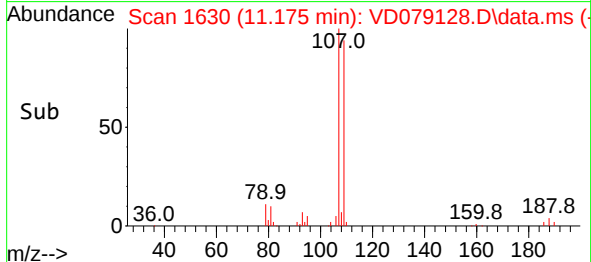
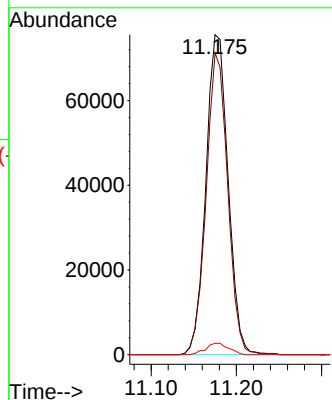
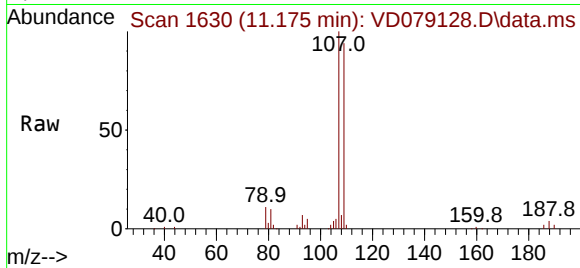




#50
1,2-Dibromoethane
Concen: 58.069 ug/L
RT: 11.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

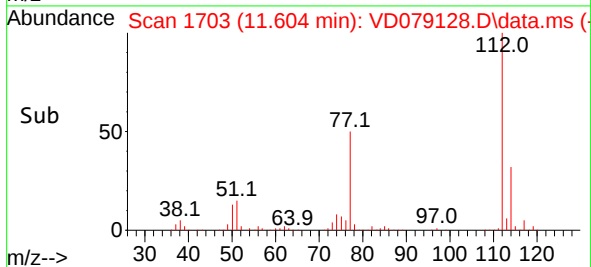
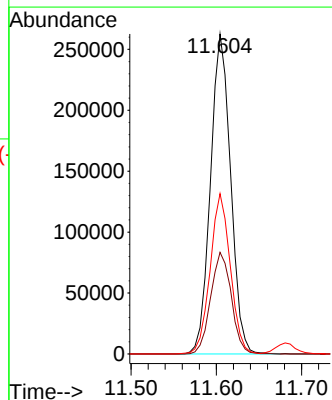
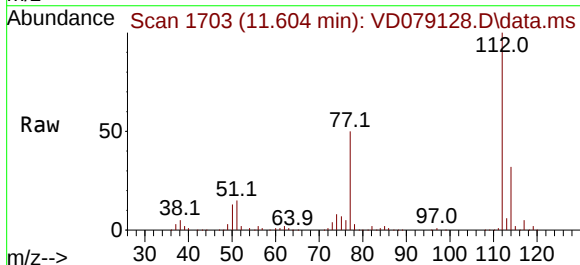
Instrument :
MSVOA_D
ClientSampleId :
A4DG2

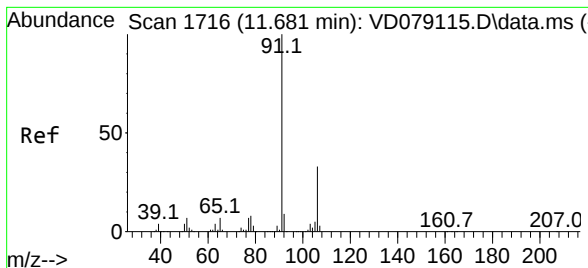
Tgt Ion:	107	Resp:	136960
Ion	Ratio	Lower	Upper
107	100		
109	94.3	64.5	119.7
188	3.6	2.6	3.8



#51
Chlorobenzene
Concen: 48.964 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

Tgt Ion:	112	Resp:	432047
Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.7	42.3
77	50.1	38.4	57.6

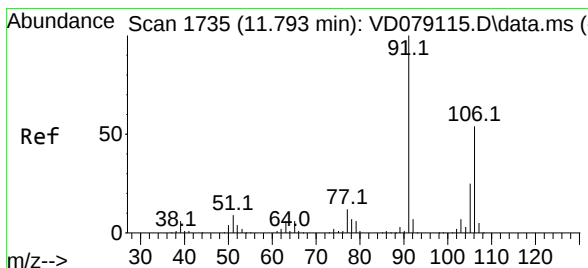
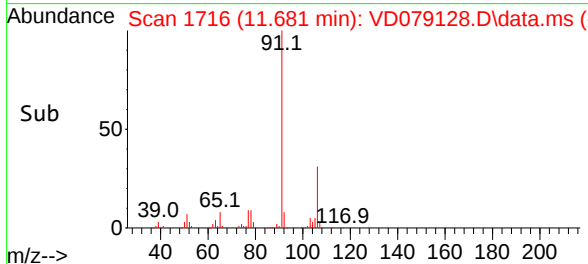
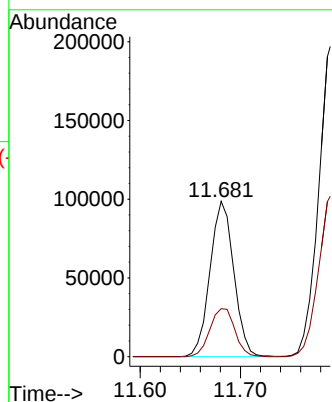
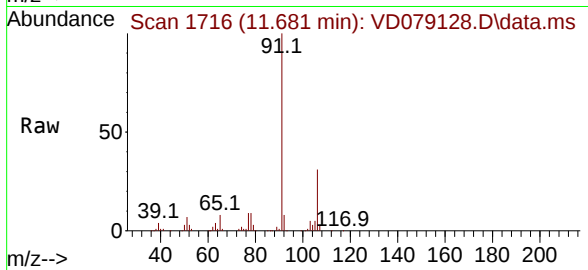




#52
Ethylbenzene
Concen: 11.784 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

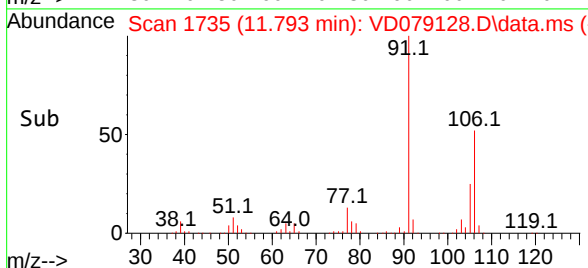
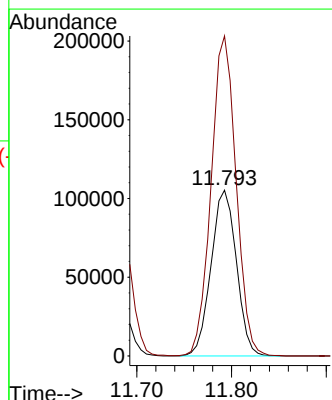
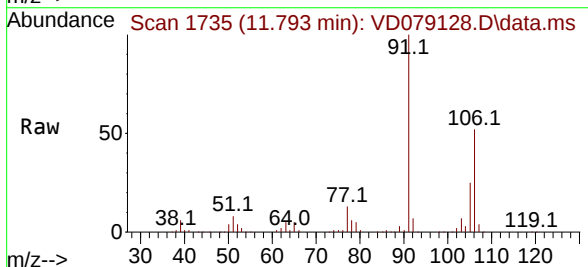
Instrument :
MSVOA_D
ClientSampleId :
A4DG2

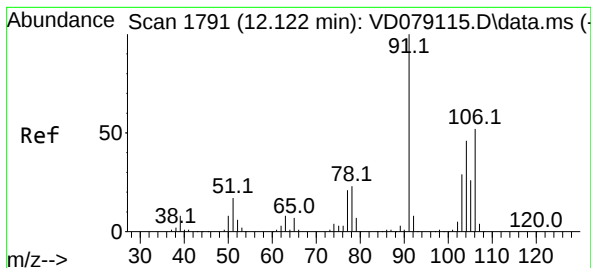
Tgt Ion: 91 Resp: 163013
Ion Ratio Lower Upper
91 100
106 31.0 22.3 41.5



#53
m,p-Xylene
Concen: 36.048 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

Tgt Ion: 106 Resp: 195642
Ion Ratio Lower Upper
106 100
91 193.0 133.1 247.1





#54

o-Xylene

Concen: 60.514 ug/L

RT: 12.116 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD079128.D

Acq: 03 Jun 2024 17:14

Instrument :

MSVOA_D

ClientSampleId :

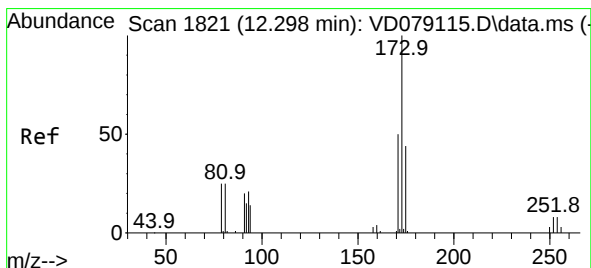
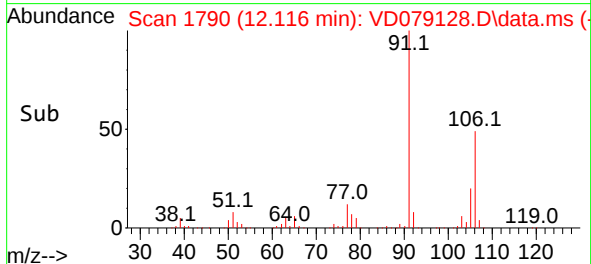
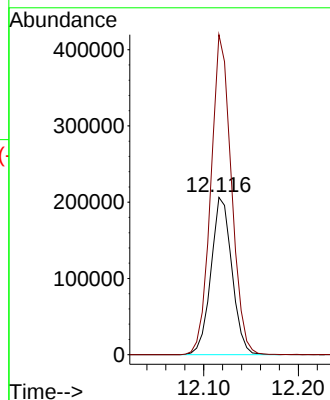
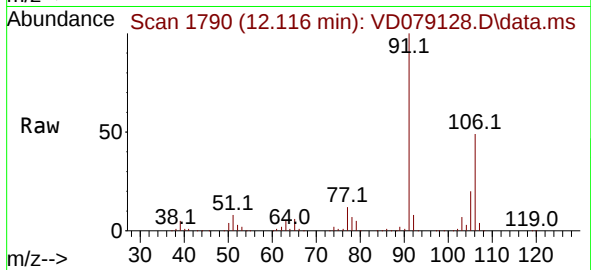
A4DG2

Tgt Ion:106 Resp: 317303

Ion Ratio Lower Upper

106 100

91 203.4 132.9 246.9



#59

Bromoform

Concen: 76.130 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD079128.D

Acq: 03 Jun 2024 17:14

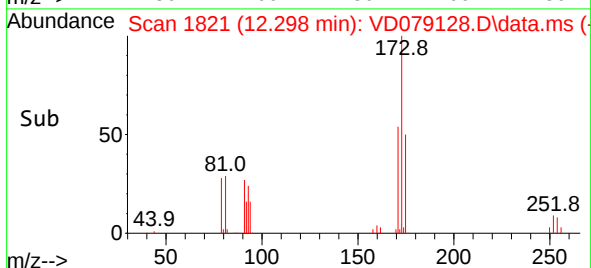
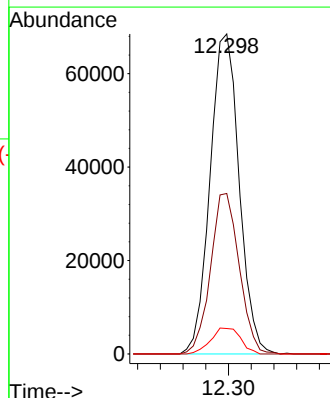
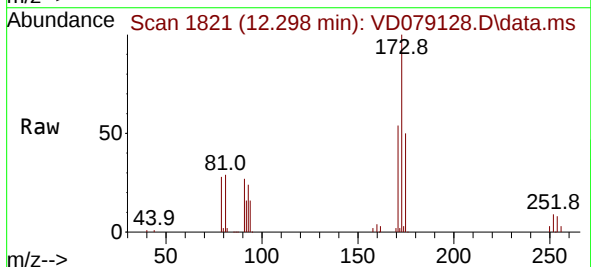
Tgt Ion:173 Resp: 121906

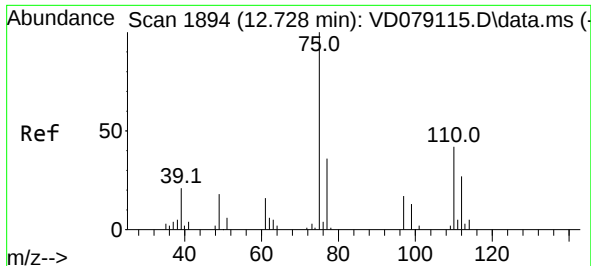
Ion Ratio Lower Upper

173 100

175 49.4 38.2 57.4

254 8.3 7.0 10.6

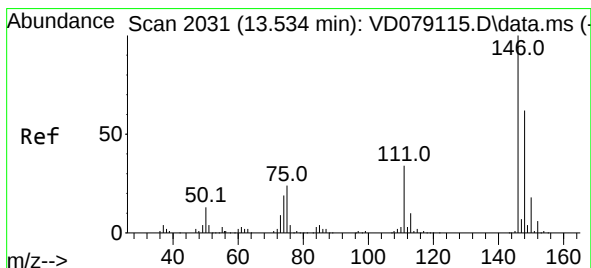
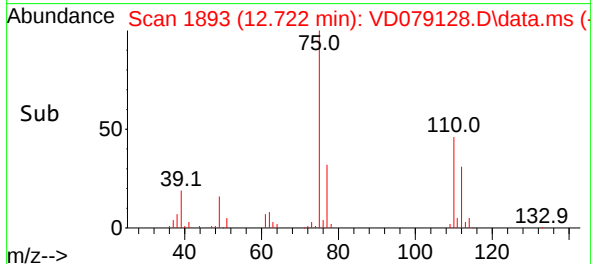
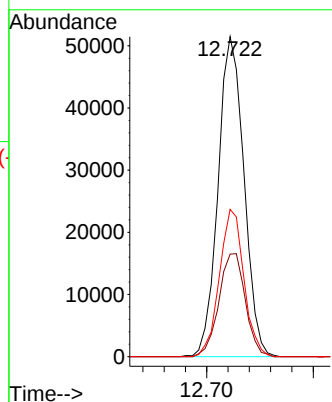
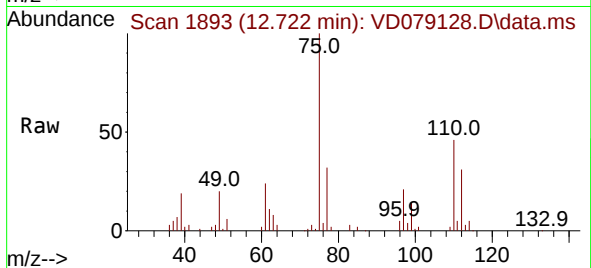




#61
1,2,3-Trichloropropane
Concen: 56.271 ug/L
RT: 12.722 min Scan# 1893
Delta R.T. 0.000 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

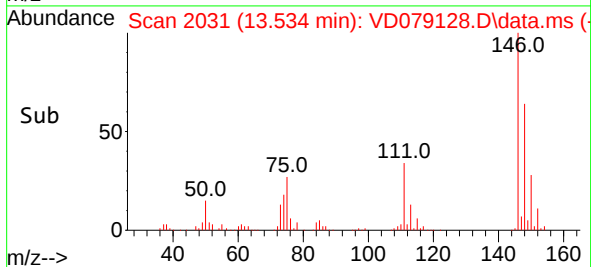
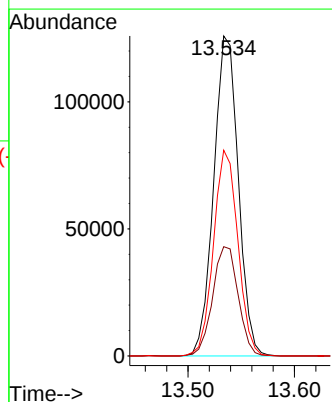
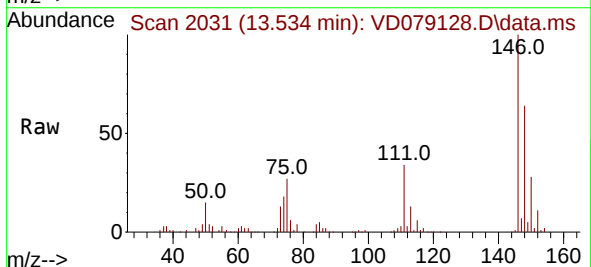
Instrument :
MSVOA_D
ClientSampleId :
A4DG2

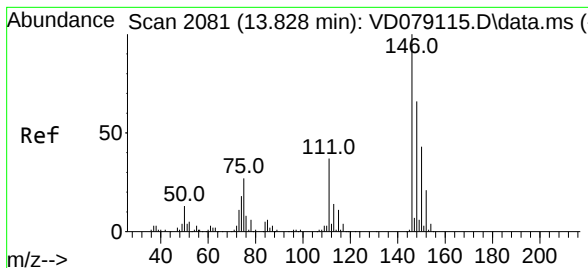
Tgt Ion: 75 Resp: 86798
Ion Ratio Lower Upper
75 100
77 32.9 25.9 38.9
110 43.4 34.2 51.4



#65
1,4-Dichlorobenzene
Concen: 34.305 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. 0.000 min
Lab File: VD079128.D
Acq: 03 Jun 2024 17:14

Tgt Ion: 146 Resp: 201727
Ion Ratio Lower Upper
146 100
111 34.2 26.3 48.9
148 64.3 43.1 80.1





#67

1,2-Dichlorobenzene

Concen: 72.560 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VD079128.D

Acq: 03 Jun 2024 17:14

Instrument :

MSVOA_D

ClientSampleId :

A4DG2

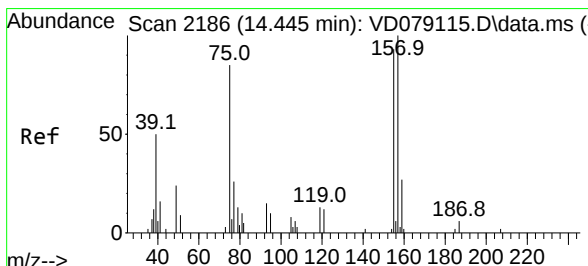
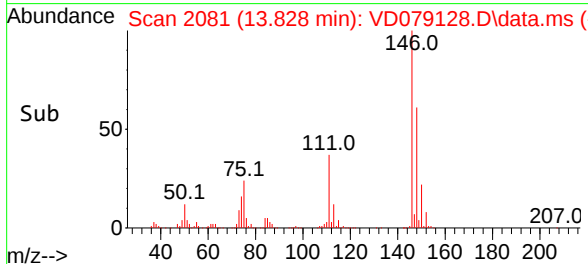
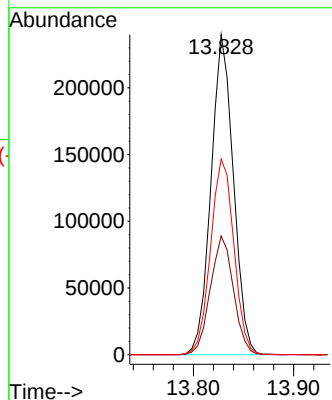
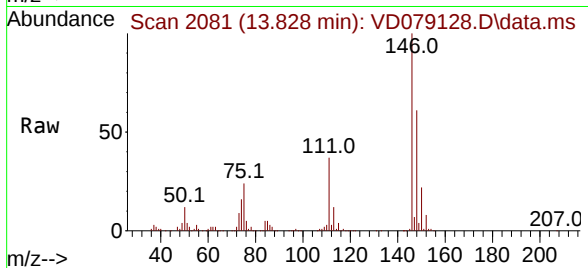
Tgt Ion:146 Resp: 372267

Ion Ratio Lower Upper

146 100

111 37.1 29.1 43.7

148 61.1 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 102.033 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD079128.D

Acq: 03 Jun 2024 17:14

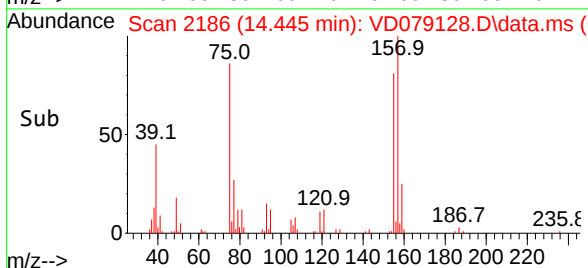
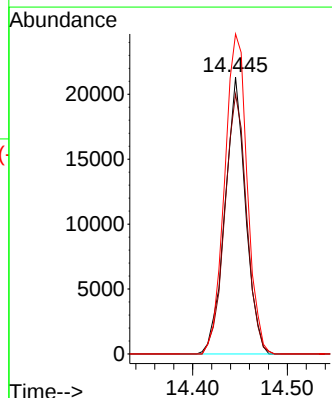
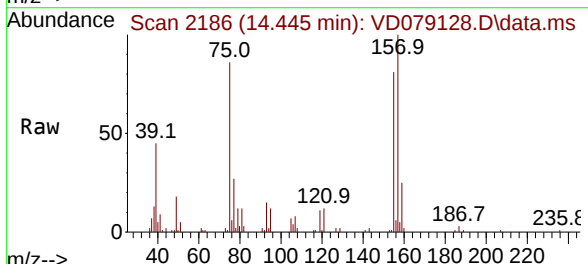
Tgt Ion: 75 Resp: 32354

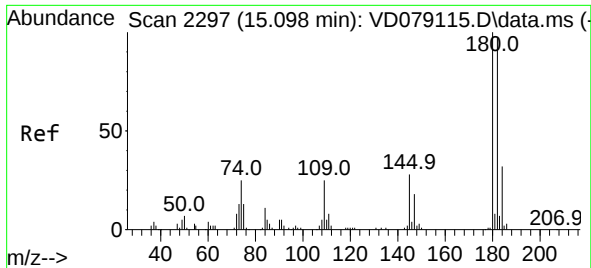
Ion Ratio Lower Upper

75 100

155 93.9 68.1 102.1

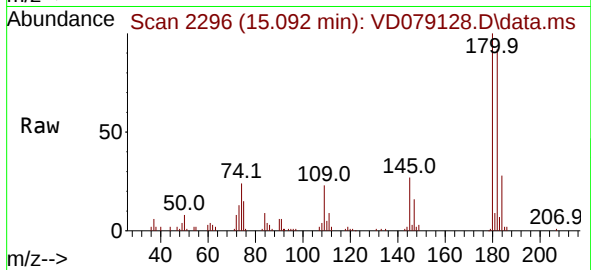
157 115.6 91.6 137.4





#70
 1,2,4-trichlorobenzene
 Concen: 23.046 ug/L
 RT: 15.092 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD079128.D
 Acq: 03 Jun 2024 17:14

Instrument :
 MSVOA_D
 ClientSampleId :
 A4DG2



Tgt Ion:	180	Resp:	66995
Ion Ratio	Lower	Upper	
180	100		
182	93.4	73.8	110.6
145	28.8	22.3	33.5

