

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053024\
 Data File : VD079089.D
 Acq On : 30 May 2024 12:03
 Operator : RP/MD
 Sample : P2640-06MSD
 Misc : 5.70G/10ml/MSVOA_D/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A4C15MSD

Quant Time: May 31 01:54:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 31 01:52:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	281890	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	245478	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	103971	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	134562	15.512	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.040%
7) Chloroethane-d5	2.805	69	135078	16.104	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.400%
11) 1,1-Dichloroethene-d2	3.922	65	25755	16.725	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.880%
21) 2-Butanone-d5	6.993	46	14342	21.616	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	43.240%
24) Chloroform-d	7.569	84	125490	15.922	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	63.680%
26) 1,2-Dichloroethane-d4	8.228	65	55334	15.219	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	60.880%#
32) Benzene-d6	8.205	84	265306	19.496	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	78.000%
36) 1,2-Dichloropropane-d6	9.210	67	70988	18.109	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	72.440%
41) Toluene-d8	10.269	98	240489	18.874	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.480%
43) trans-1,3-Dichloroprop...	10.528	79	25913	15.727	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	62.920%
47) 2-Hexanone-d5	10.875	63	12660	24.982	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	49.960%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	47479	13.674	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	54.680%
66) 1,2-Dichlorobenzene-d4	13.810	152	59901	16.694	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	66.760%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	62862	14.087	ug/L	100
3) Chloromethane	2.146	50	87043	14.635	ug/L	98
5) Vinyl chloride	2.281	62	135739	13.828	ug/L	98
6) Bromomethane	2.693	94	112127	14.796	ug/L	98
8) Chloroethane	2.840	64	104519	14.527	ug/L	95
9) Trichlorofluoromethane	3.175	101	103613	13.856	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	62837	14.013	ug/L	97
12) 1,1-Dichloroethene	3.940	96	56460	14.462	ug/L	89
13) Acetone	4.022	43	14550	15.147	ug/L	100
14) Carbon disulfide	4.270	76	193842	14.234	ug/L	99
15) Methyl Acetate	4.564	43	13377	10.221	ug/L #	82
16) Methylene chloride	4.799	84	67419	13.423	ug/L	94
17) trans-1,2-Dichloroethene	5.311	96	61510	14.580	ug/L	91
18) Methyl tert-butyl Ether	5.322	73	95469	12.759	ug/L #	89
19) 1,1-Dichloroethane	6.111	63	103697	15.266	ug/L	94
20) cis-1,2-Dichloroethene	7.081	96	66641	15.170	ug/L	97
22) 2-Butanone	7.087	43	18300	18.135	ug/L	90
23) Bromochloromethane	7.434	128	31042	13.938	ug/L	94
25) Chloroform	7.599	83	115500	14.977	ug/L	92

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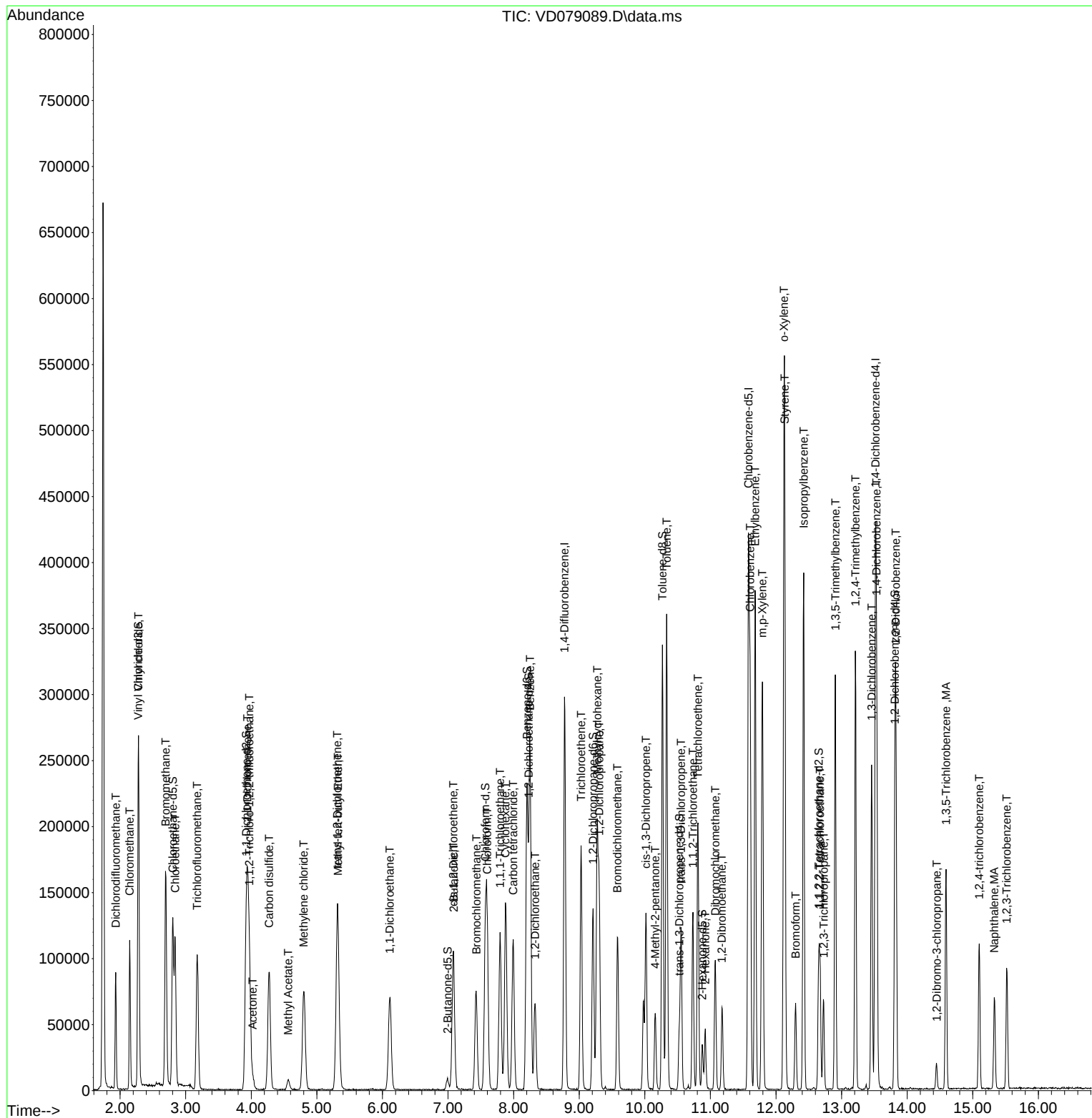
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	63145	14.105	ug/L	100
29) Cyclohexane	7.875	56	68376	15.438	ug/L	97
30) 1,1,1-Trichloroethane	7.793	97	100326	17.262	ug/L	98
31) Carbon tetrachloride	7.993	117	90183	16.698	ug/L	93
33) Benzene	8.252	78	261214	17.866	ug/L	100
34) Trichloroethene	9.028	95	65632	17.429	ug/L	94
35) Methylcyclohexane	9.275	83	88840	14.238	ug/L	99
37) 1,2-Dichloropropane	9.305	63	61172	17.081	ug/L	99
38) Bromodichloromethane	9.581	83	80160	16.102	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	84314	15.082	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	36605	24.486	ug/L	97
42) Toluene	10.334	91	278657	17.164	ug/L	100
44) trans-1,3-Dichloropropene	10.552	75	71750	15.177	ug/L	95
45) 1,1,2-Trichloroethane	10.734	97	45471	14.473	ug/L	95
46) Tetrachloroethene	10.810	164	49892	15.047	ug/L	98
48) 2-Hexanone	10.922	43	25879	20.005	ug/L	99
49) Dibromochloromethane	11.075	129	54085	14.537	ug/L	97
50) 1,2-Dibromoethane	11.175	107	41080	14.227	ug/L	94
51) Chlorobenzene	11.604	112	172297	15.950	ug/L	94
52) Ethylbenzene	11.681	91	278139	16.424	ug/L	99
53) m,p-Xylene	11.793	106	110050	16.563	ug/L	96
54) o-Xylene	12.122	106	102150	15.913	ug/L	87
55) Styrene	12.134	104	179109	15.736	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.669	83	44723	12.717	ug/L	96
59) Bromoform	12.299	173	30633	16.076	ug/L	99
60) Isopropylbenzene	12.422	105	255092	18.555	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	28261	15.396	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	166751	17.740	ug/L	97
63) 1,2,4-Trimethylbenzene	13.210	105	180864	17.990	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	106508	16.127	ug/L	97
65) 1,4-Dichlorobenzene	13.534	146	112208	16.035	ug/L	98
67) 1,2-Dichlorobenzene	13.828	146	91219	14.941	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	5111	13.545	ug/L	86
69) 1,3,5-Trichlorobenzene	14.592	180	56439	13.550	ug/L	96
70) 1,2,4-trichlorobenzene	15.098	180	39053	11.289	ug/L	99
71) Naphthalene	15.328	128	65531	10.129	ug/L	99
72) 1,2,3-Trichlorobenzene	15.516	180	34105	11.407	ug/L	94

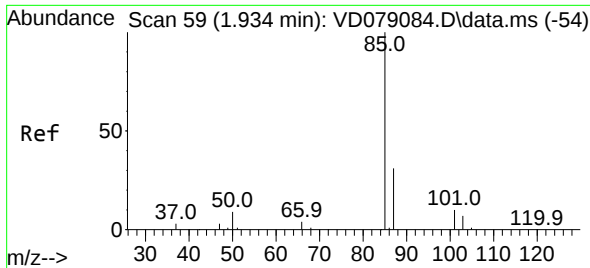
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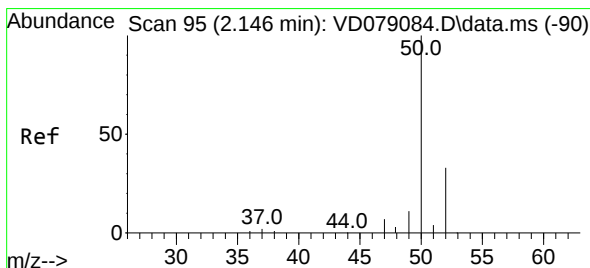
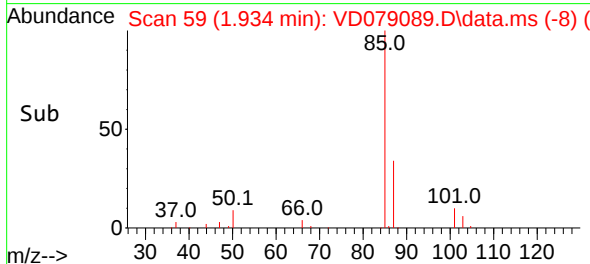
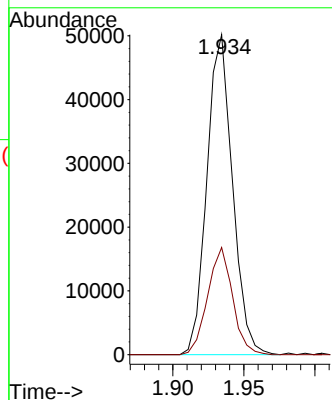
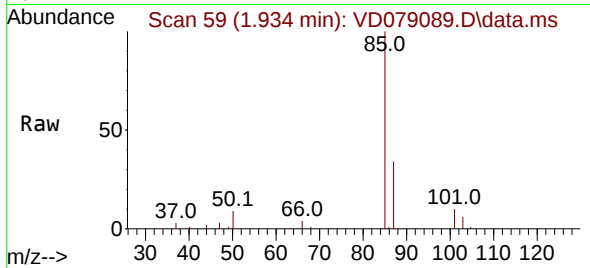




#2
Dichlorodifluoromethane
Concen: 14.087 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

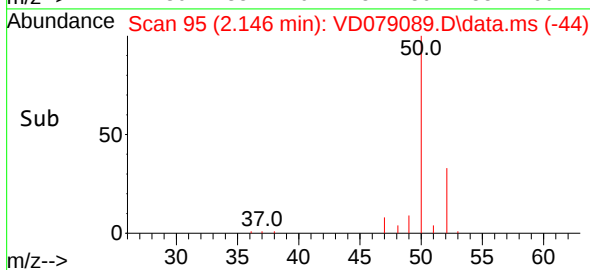
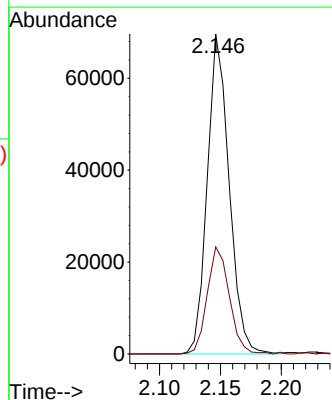
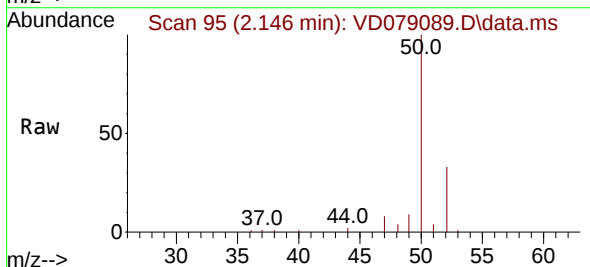
Instrument :
MSVOA_D
ClientSampleId :
A4C15MSD

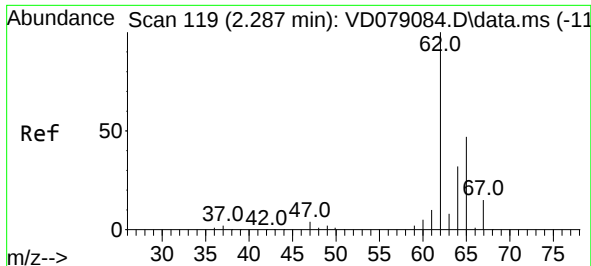
Tgt Ion: 85 Resp: 62862
Ion Ratio Lower Upper
85 100
87 32.6 26.2 39.4



#3
Chloromethane
Concen: 14.635 ug/L
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

Tgt Ion: 50 Resp: 87043
Ion Ratio Lower Upper
50 100
52 33.5 24.4 45.2

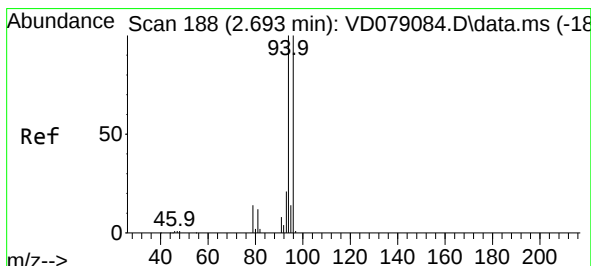
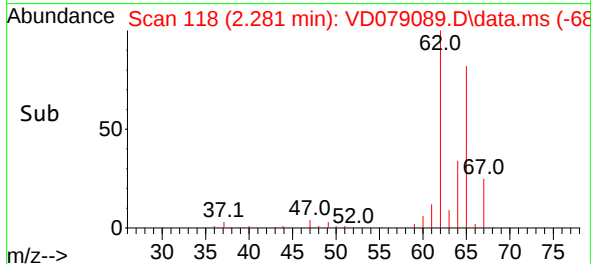
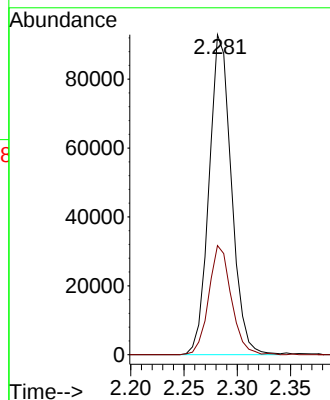
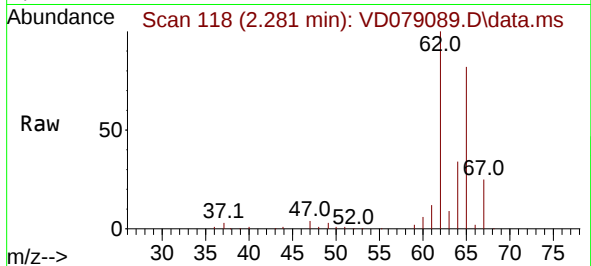




#5
 Vinyl chloride
 Concen: 13.828 ug/L
 RT: 2.281 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: VD079089.D
 Acq: 30 May 2024 12:03

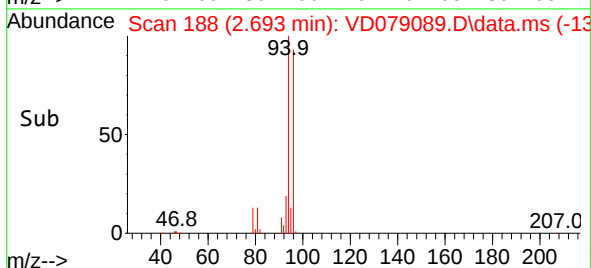
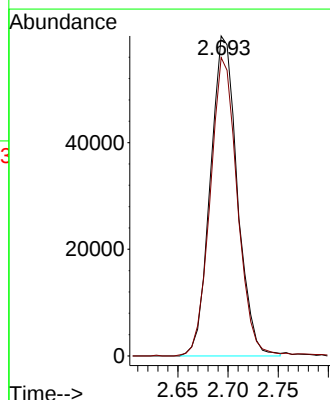
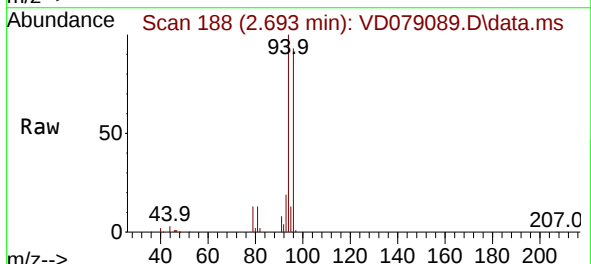
Instrument :
 MSVOA_D
 ClientSampleId :
 A4C15MSD

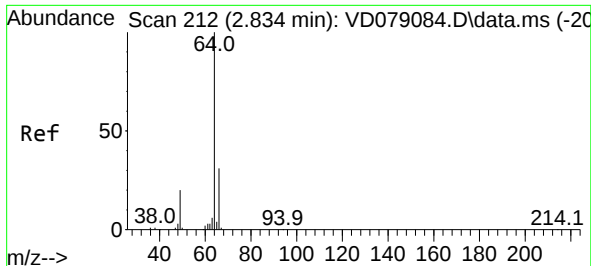
Tgt Ion: 62 Resp: 135739
 Ion Ratio Lower Upper
 62 100
 64 34.1 24.8 46.1



#6
 Bromomethane
 Concen: 14.796 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD079089.D
 Acq: 30 May 2024 12:03

Tgt Ion: 94 Resp: 112127
 Ion Ratio Lower Upper
 94 100
 96 93.3 63.6 118.2

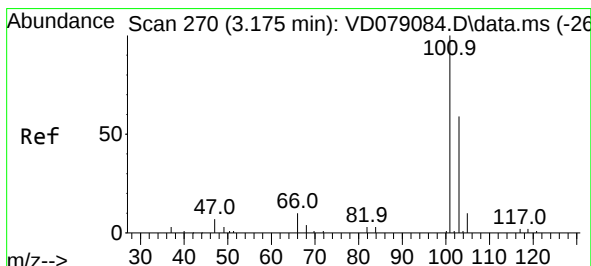
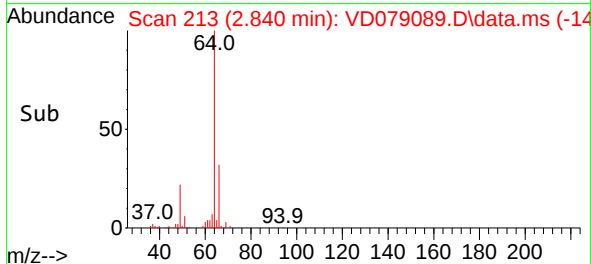
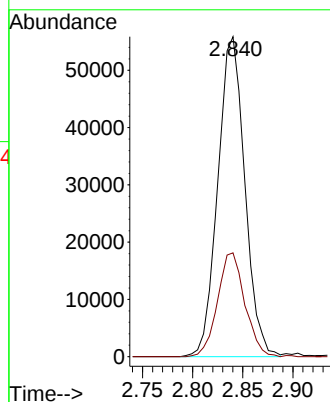
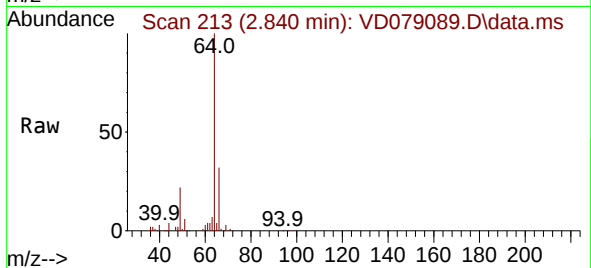




#8
Chloroethane
Concen: 14.527 ug/L
RT: 2.840 min Scan# 212
Delta R.T. 0.006 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

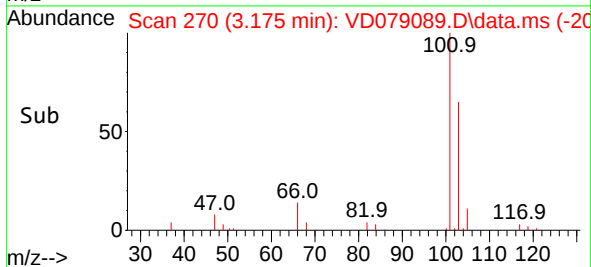
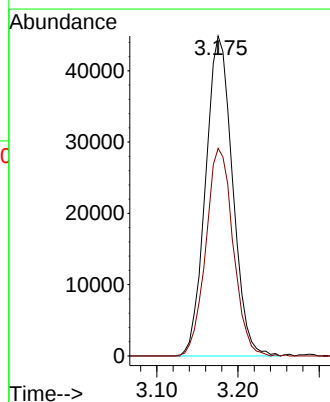
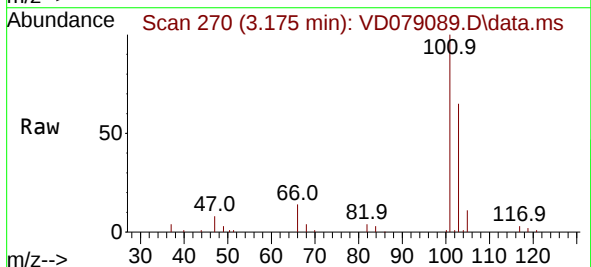
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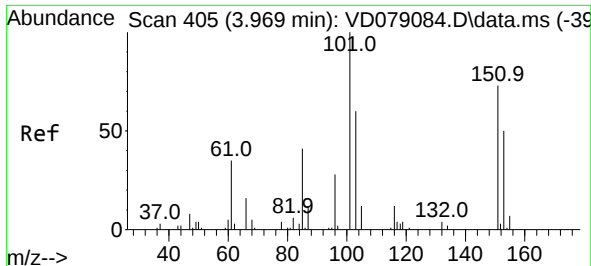
Tgt Ion: 64 Resp: 104519
Ion Ratio Lower Upper
64 100
66 32.5 24.8 46.1



#9
Trichlorofluoromethane
Concen: 13.856 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

Tgt Ion:101 Resp: 103613
Ion Ratio Lower Upper
101 100
103 65.4 52.6 79.0

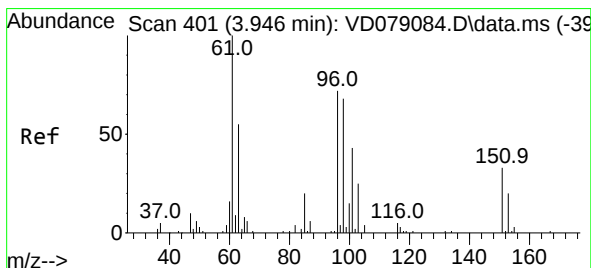
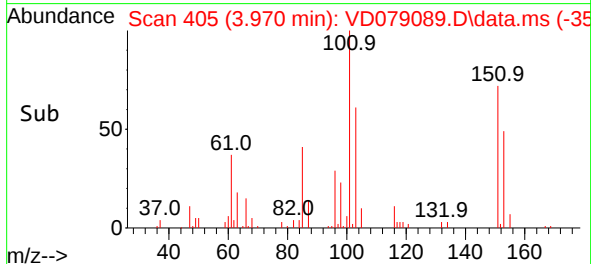
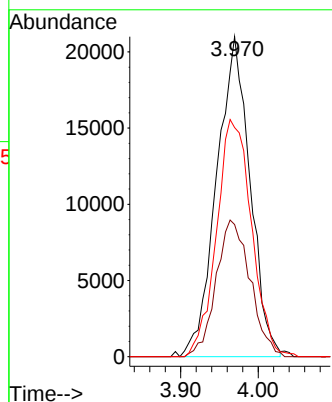
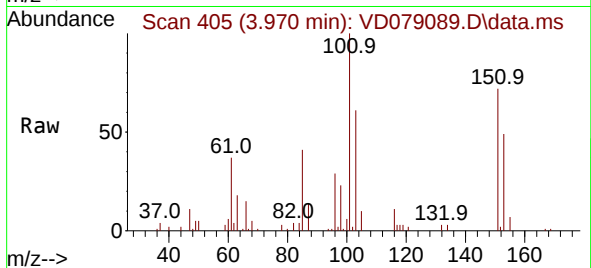




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 14.013 ug/L
RT: 3.970 min Scan# 405
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

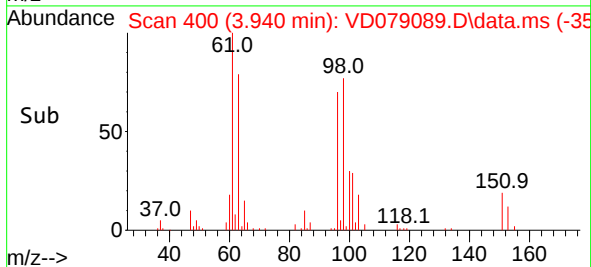
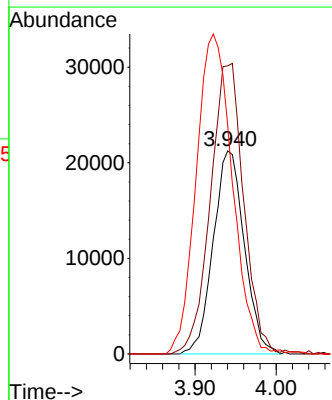
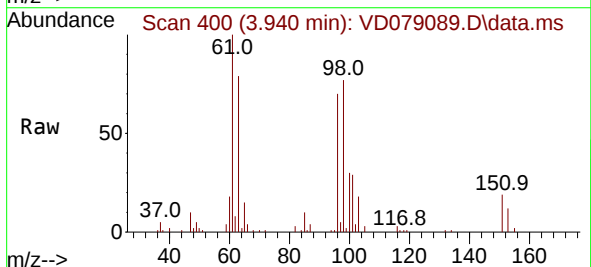
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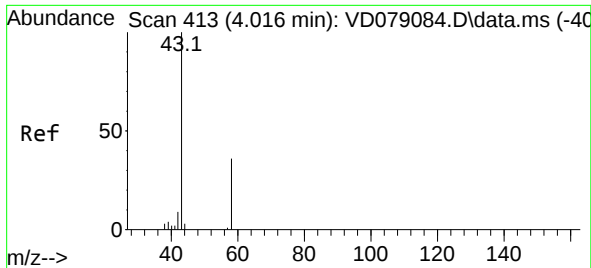
Tgt Ion:101 Resp: 62837
Ion Ratio Lower Upper
101 100
85 43.7 35.4 53.0
151 77.8 59.1 88.7



#12
1,1-Dichloroethene
Concen: 14.462 ug/L
RT: 3.940 min Scan# 400
Delta R.T. -0.006 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

Tgt Ion: 96 Resp: 56460
Ion Ratio Lower Upper
96 100
61 142.0 93.9 174.3
63 112.5 67.7 125.7





#13

Acetone

Concen: 15.147 ug/L

RT: 4.022 min Scan# 413

Delta R.T. 0.006 min

Lab File: VD079089.D

Acq: 30 May 2024 12:03

Instrument :

MSVOA_D

ClientSampleId :

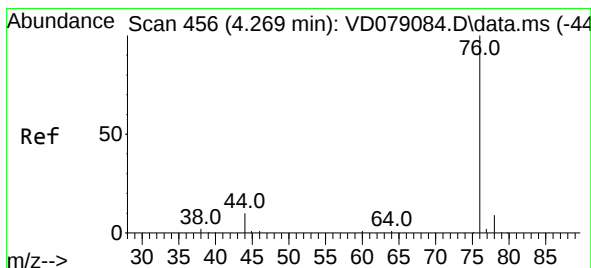
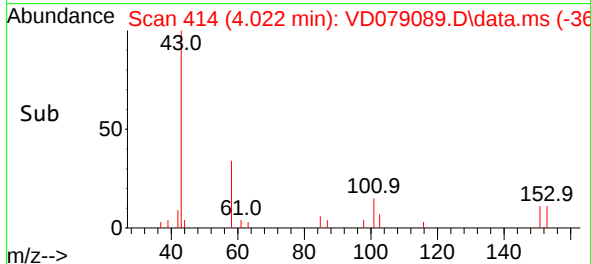
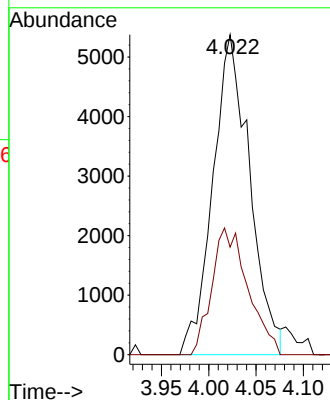
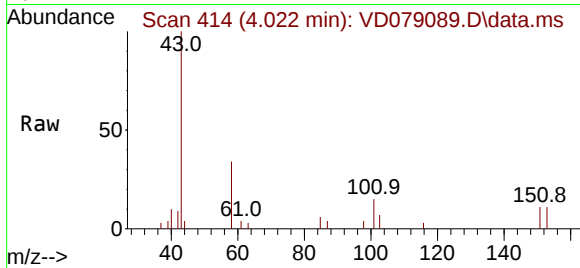
A4C15MSD

Tgt Ion: 43 Resp: 14550

Ion Ratio Lower Upper

43 100

58 38.8 0.0 78.2



#14

Carbon disulfide

Concen: 14.234 ug/L

RT: 4.270 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD079089.D

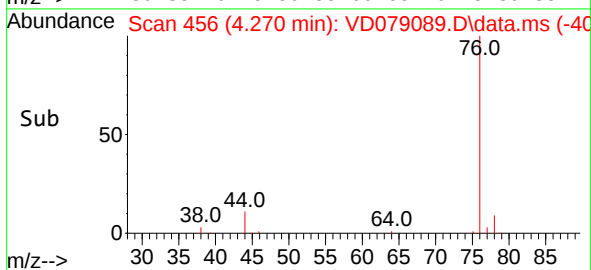
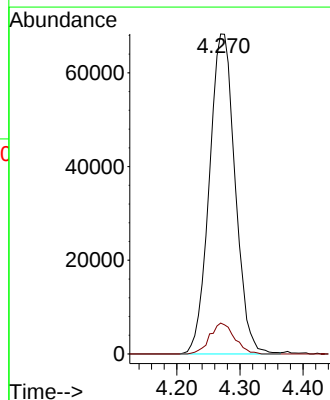
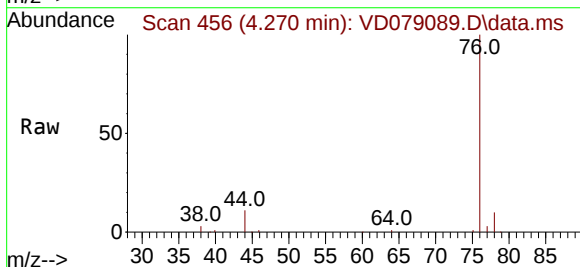
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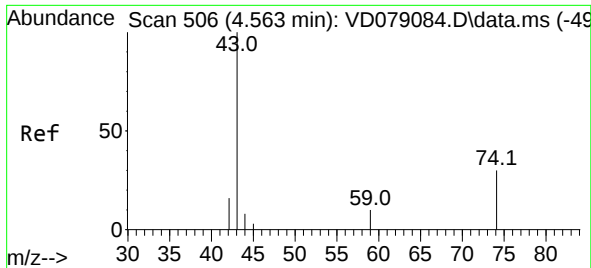
Tgt Ion: 76 Resp: 193842

Ion Ratio Lower Upper

76 100

78 9.7 7.5 11.3

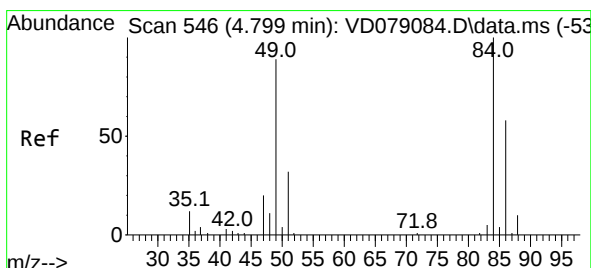
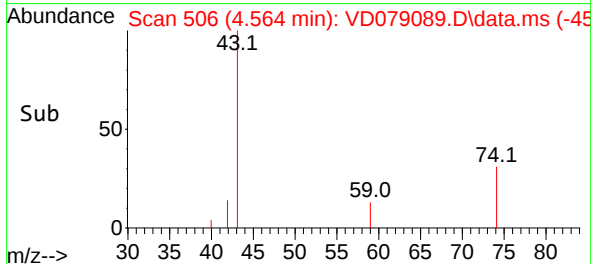
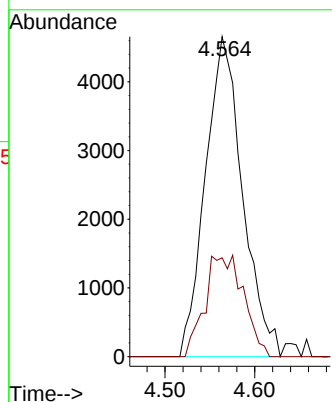
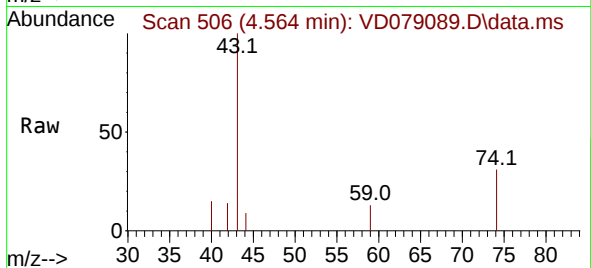




#15
Methyl Acetate
Concen: 10.221 ug/L
RT: 4.564 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

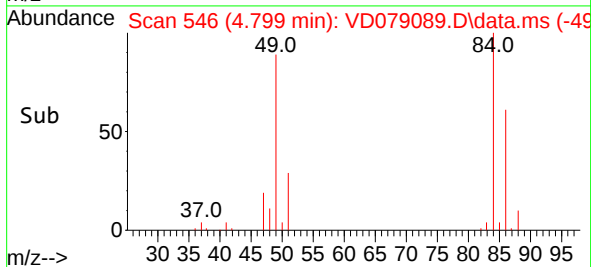
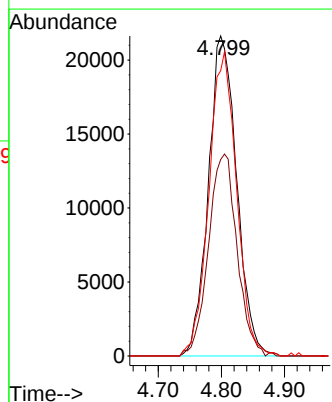
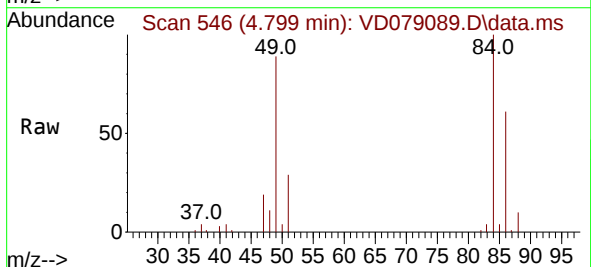
Instrument :
MSVOA_D
ClientSampleId :
A4C15MSD

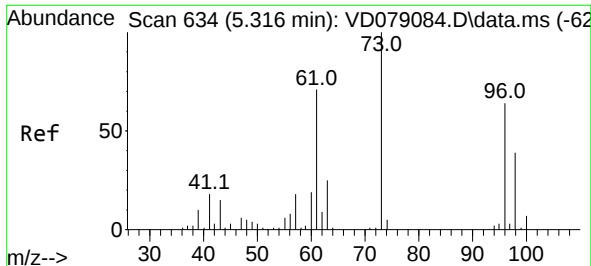
Tgt Ion: 43 Resp: 13377
Ion Ratio Lower Upper
43 100
74 20.0 23.8 35.6#



#16
Methylene chloride
Concen: 13.423 ug/L
RT: 4.799 min Scan# 546
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

Tgt Ion: 84 Resp: 67419
Ion Ratio Lower Upper
84 100
86 61.4 40.9 76.0
49 89.1 67.5 125.3

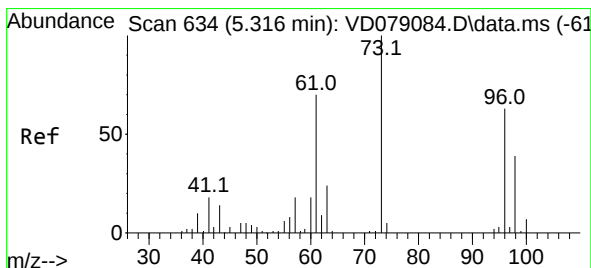
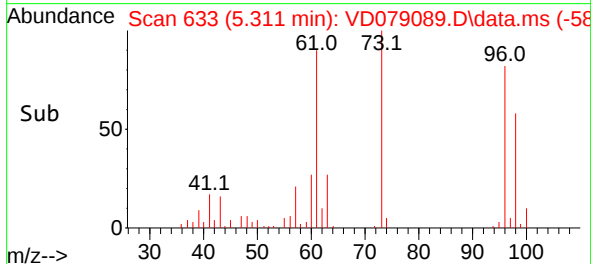
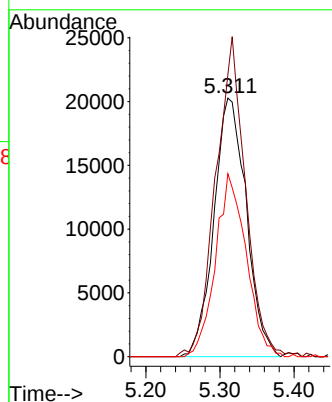
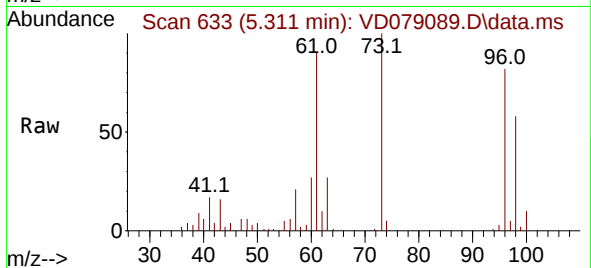




#17
trans-1,2-Dichloroethene
Concen: 14.580 ug/L
RT: 5.311 min Scan# 611
Delta R.T. -0.006 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

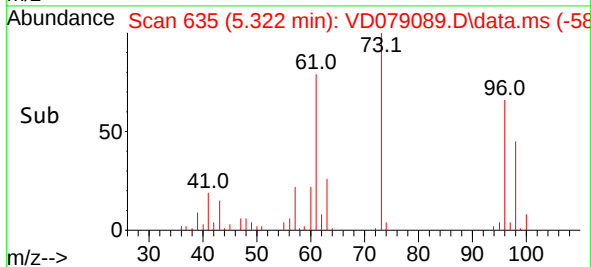
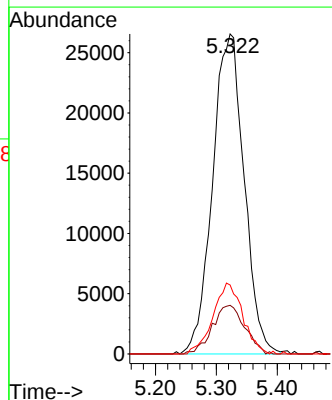
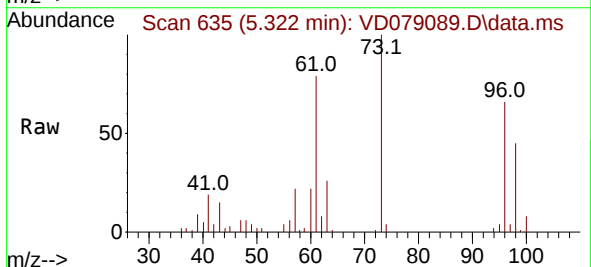
Instrument :
MSVOA_D
ClientSampleId :
A4C15MSD

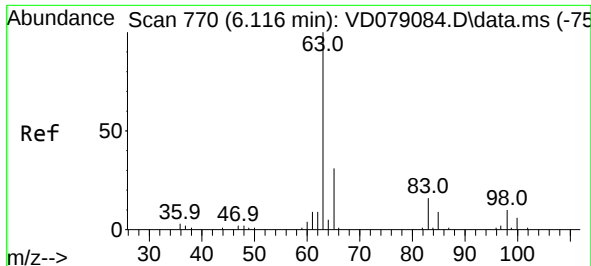
Tgt Ion: 96 Resp: 61510
Ion Ratio Lower Upper
96 100
61 109.1 71.9 133.5
98 70.7 42.6 79.2



#18
Methyl tert-butyl Ether
Concen: 12.759 ug/L
RT: 5.322 min Scan# 635
Delta R.T. 0.006 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

Tgt Ion: 73 Resp: 95469
Ion Ratio Lower Upper
73 100
43 15.5 12.0 18.0
57 20.8 9.6 14.4#





#19

1,1-Dichloroethane

Concen: 15.266 ug/L

RT: 6.111 min Scan# 7

Delta R.T. -0.006 min

Lab File: VD079089.D

Acq: 30 May 2024 12:03

Instrument :

MSVOA_D

ClientSampleId :

A4C15MSD

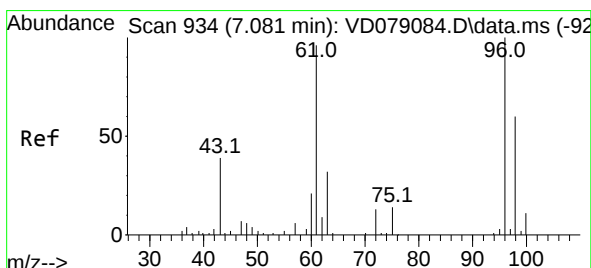
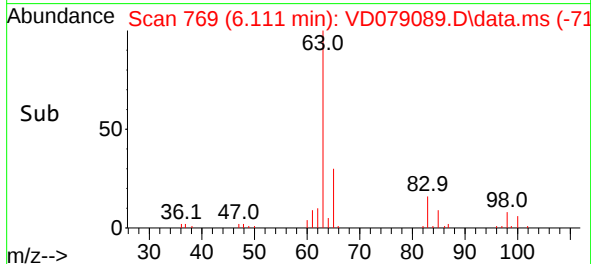
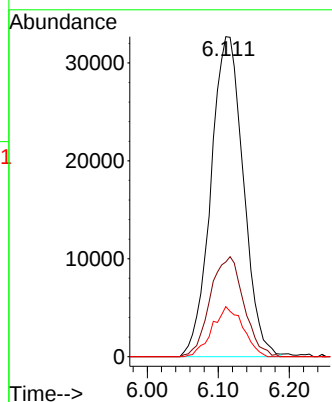
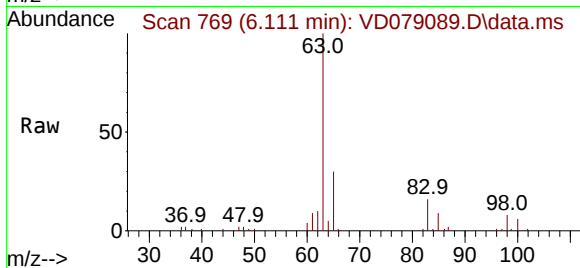
Tgt Ion: 63 Resp: 103697

Ion Ratio Lower Upper

63 100

65 29.6 22.8 42.4

83 15.6 8.6 16.0



#20

cis-1,2-Dichloroethene

Concen: 15.170 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.000 min

Lab File: VD079089.D

Acq: 30 May 2024 12:03

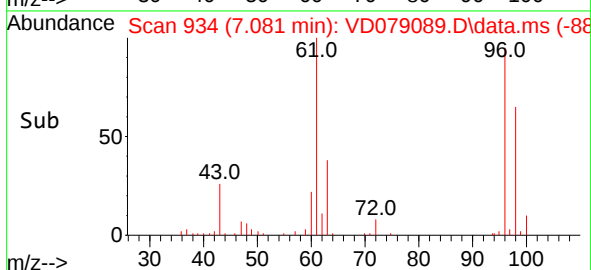
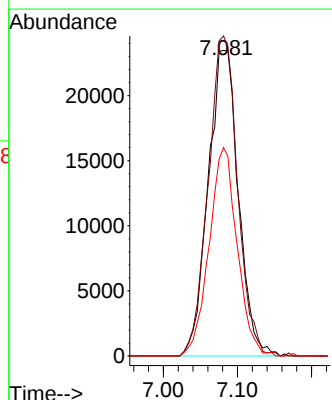
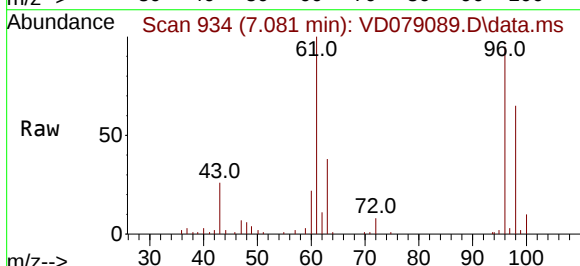
Tgt Ion: 96 Resp: 66641

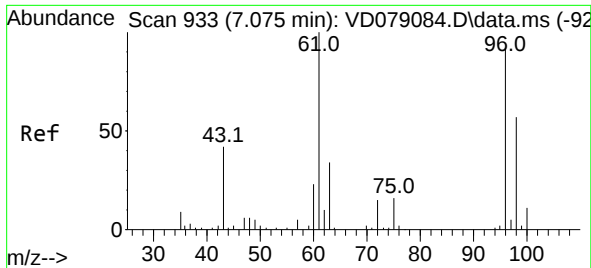
Ion Ratio Lower Upper

96 100

61 104.7 72.6 134.8

98 68.2 43.8 81.3

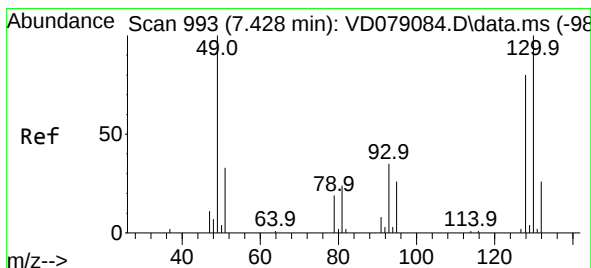
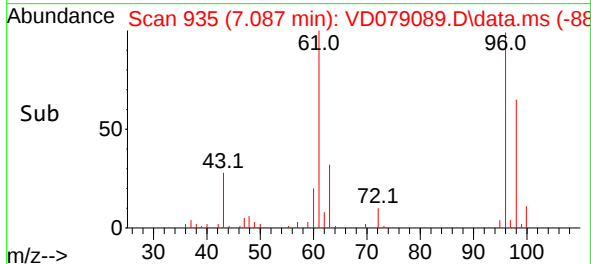
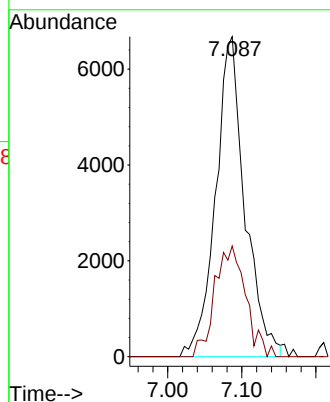
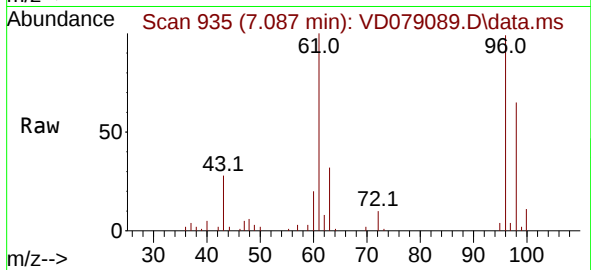




#22
2-Butanone
Concen: 18.135 ug/L
RT: 7.087 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

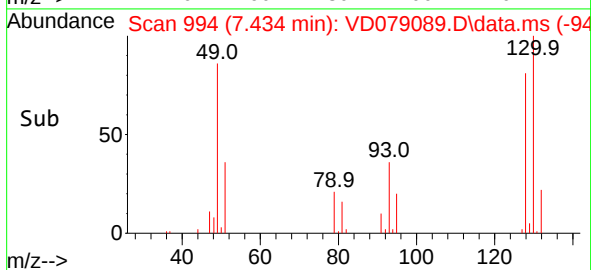
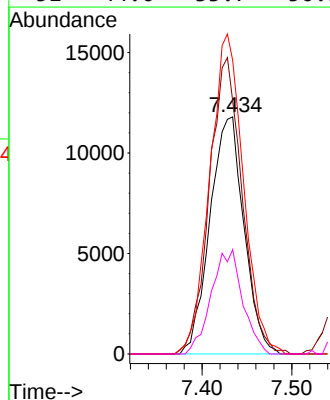
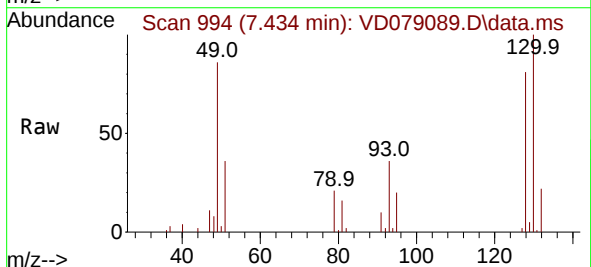
Instrument :
MSVOA_D
ClientSampleId :
A4C15MSD

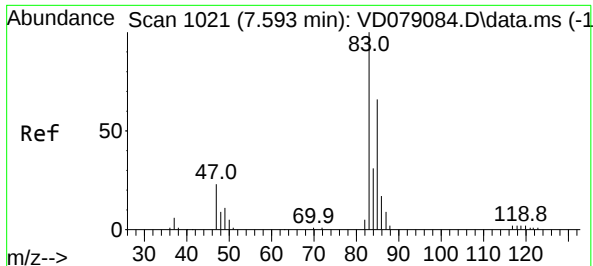
Tgt Ion: 43 Resp: 18300
Ion Ratio Lower Upper
43 100
72 32.4 19.3 57.8



#23
Bromochloromethane
Concen: 13.938 ug/L
RT: 7.434 min Scan# 994
Delta R.T. 0.006 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

Tgt Ion:128 Resp: 31042
Ion Ratio Lower Upper
128 100
49 106.7 81.8 151.8
130 123.8 90.4 167.8
51 44.0 33.7 50.5

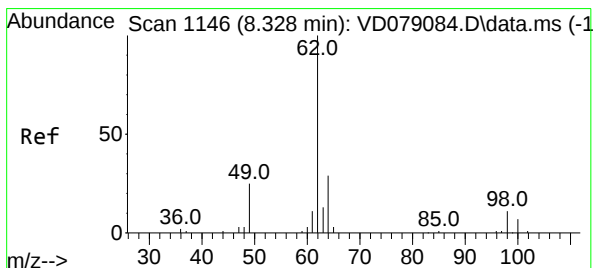
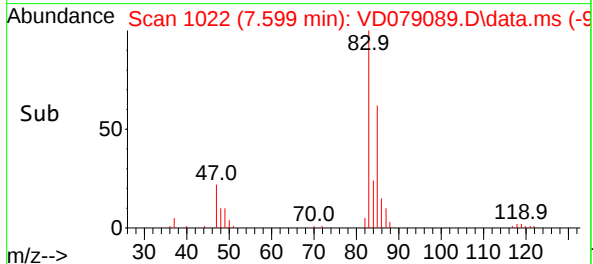
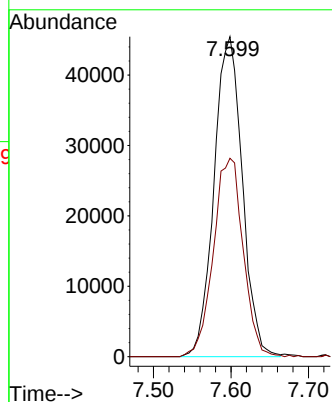
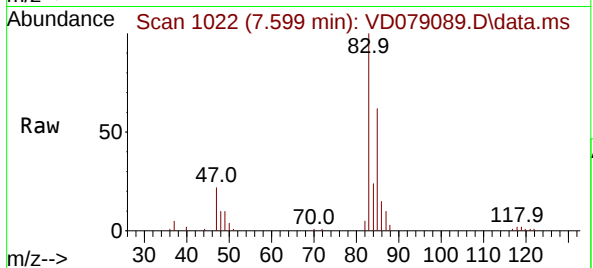




#25
Chloroform
Concen: 14.977 ug/L
RT: 7.599 min Scan# 1102
Delta R.T. 0.006 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

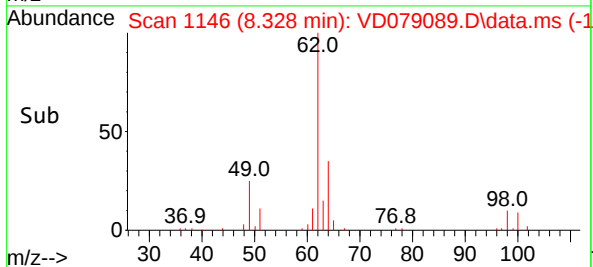
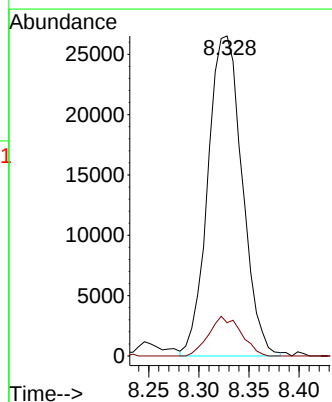
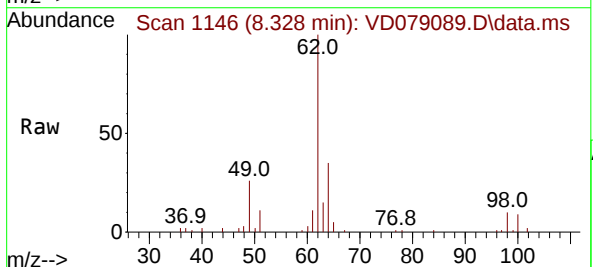
Instrument :
MSVOA_D
ClientSampleId :
A4C15MSD

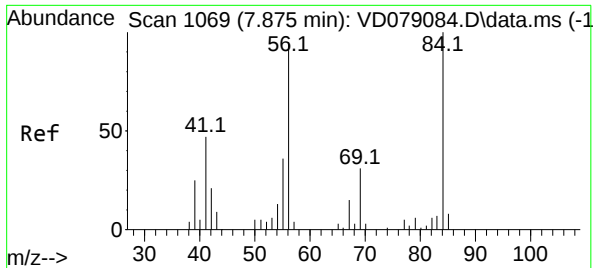
Tgt Ion: 83 Resp: 115500
Ion Ratio Lower Upper
83 100
85 62.0 47.9 89.1



#27
1,2-Dichloroethane
Concen: 14.105 ug/L
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

Tgt Ion: 62 Resp: 63145
Ion Ratio Lower Upper
62 100
98 10.4 8.2 12.4





#29

Cyclohexane

Concen: 15.438 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD079089.D

Acq: 30 May 2024 12:03

Instrument :

MSVOA_D

ClientSampleId :

A4C15MSD

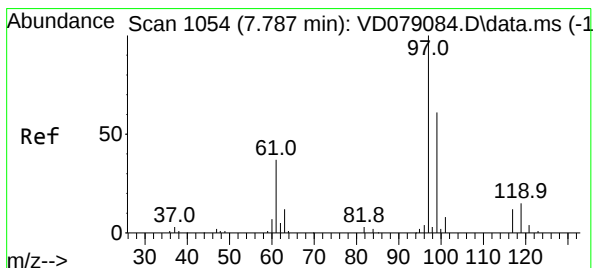
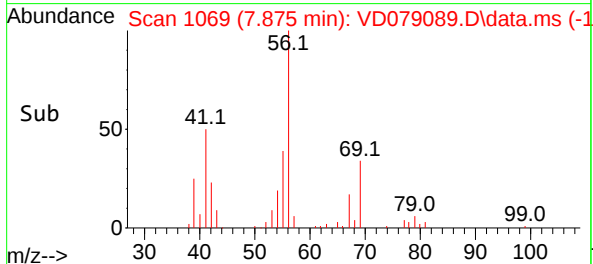
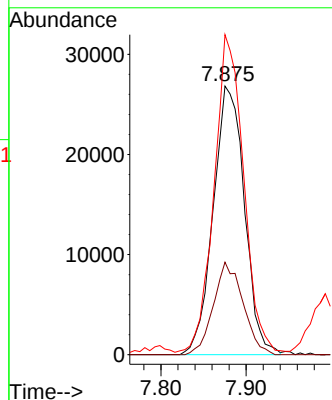
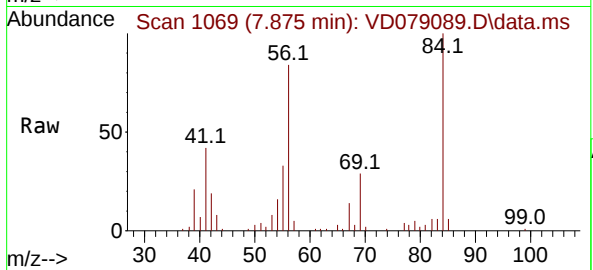
Tgt Ion: 56 Resp: 68376

Ion Ratio Lower Upper

56 100

69 32.6 26.6 40.0

84 113.8 87.5 131.3



#30

1,1,1-Trichloroethane

Concen: 17.262 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VD079089.D

Acq: 30 May 2024 12:03

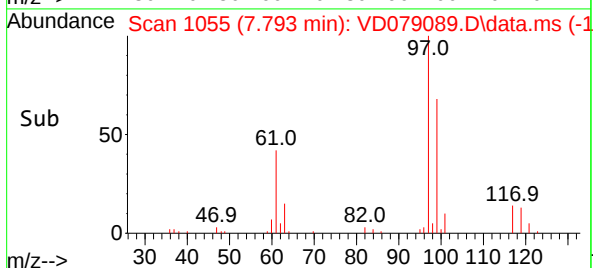
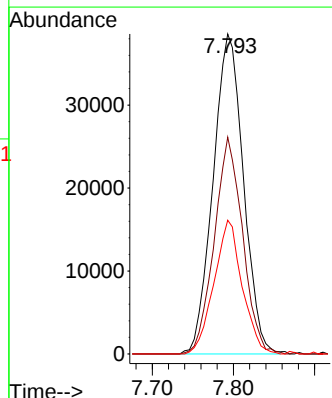
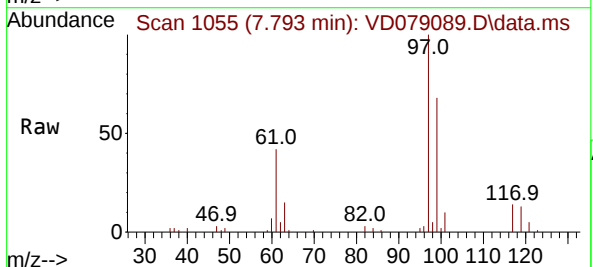
Tgt Ion: 97 Resp: 100326

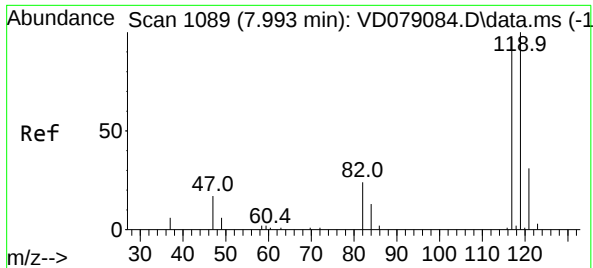
Ion Ratio Lower Upper

97 100

99 63.1 52.3 78.5

61 38.8 31.7 47.5

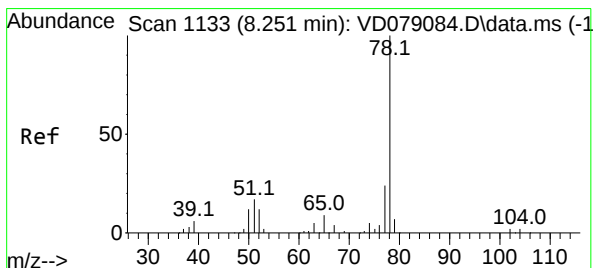
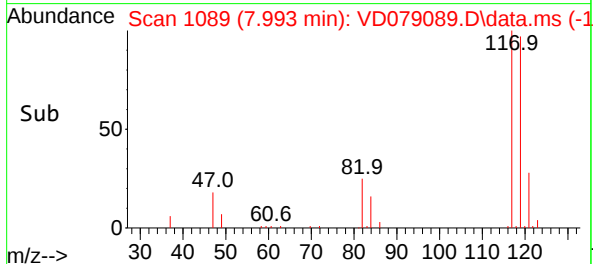
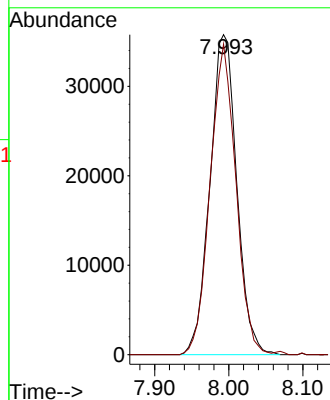
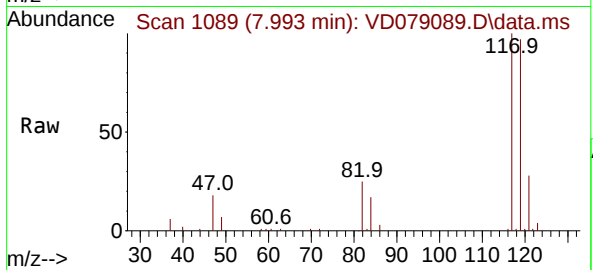




#31
Carbon tetrachloride
Concen: 16.698 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

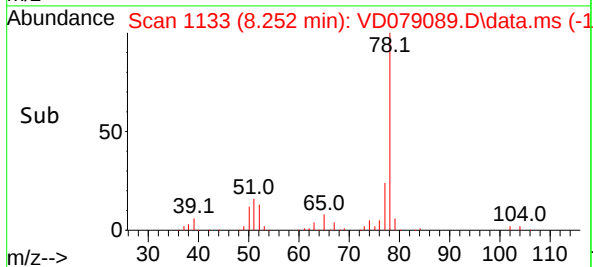
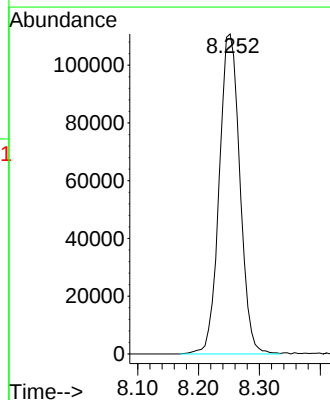
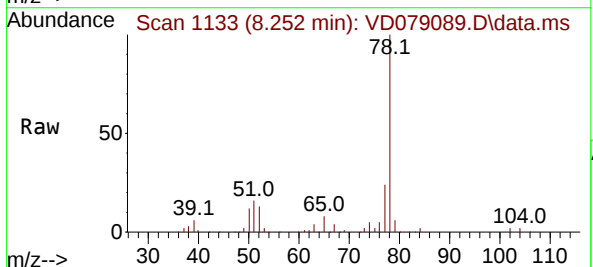
Instrument :
MSVOA_D
ClientSampleId :
A4C15MSD

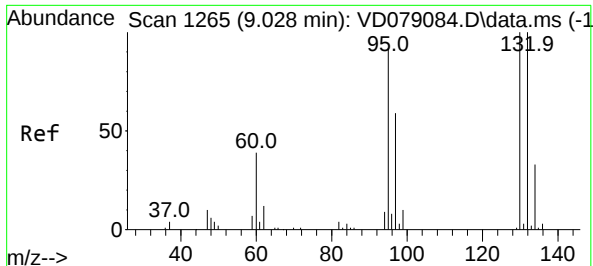
Tgt Ion:117 Resp: 90183
Ion Ratio Lower Upper
117 100
119 93.0 79.6 119.4



#33
Benzene
Concen: 17.866 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

Tgt Ion: 78 Resp: 261214

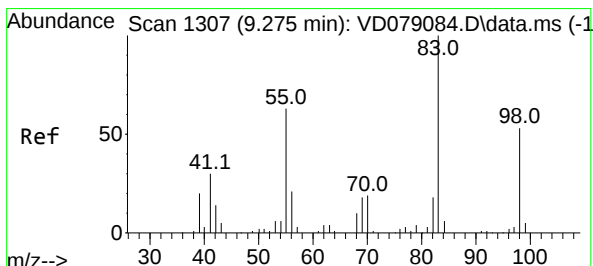
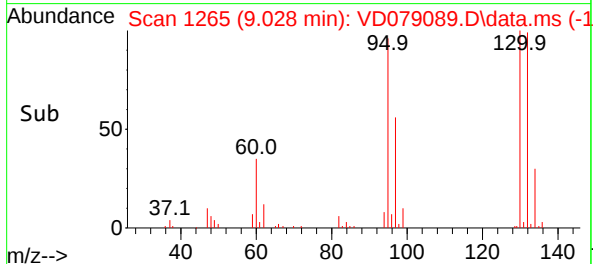
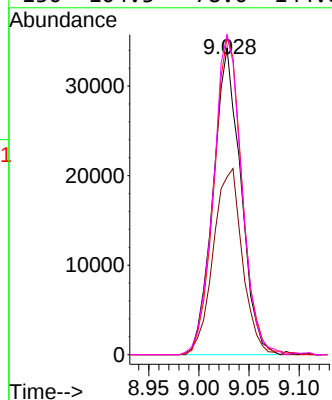
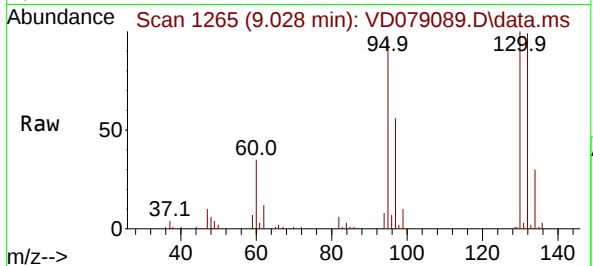




#34
Trichloroethene
Concen: 17.429 ug/L
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

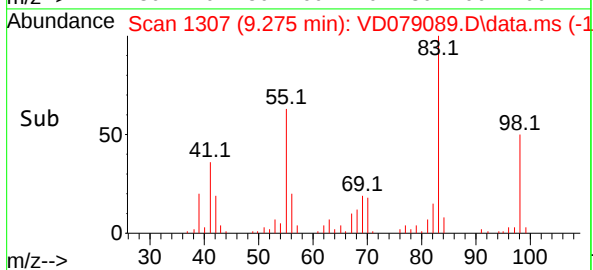
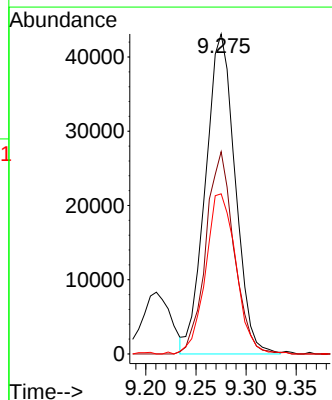
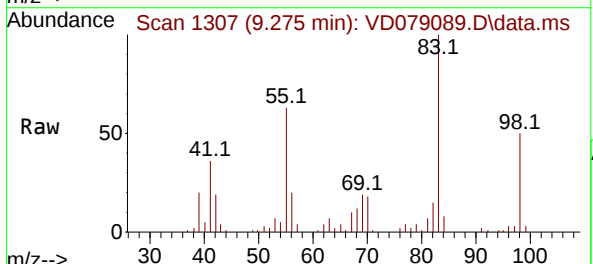
Instrument :
MSVOA_D
ClientSampleId :
A4C15MSD

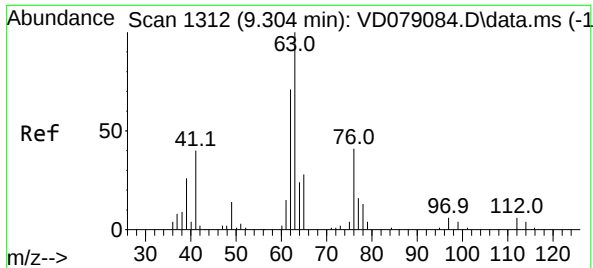
Tgt Ion: 95 Resp: 65632
Ion Ratio Lower Upper
95 100
97 58.0 44.6 82.8
132 103.4 74.9 139.1
130 104.3 78.0 144.8



#35
Methylcyclohexane
Concen: 14.238 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

Tgt Ion: 83 Resp: 88840
Ion Ratio Lower Upper
83 100
55 59.8 48.6 72.8
98 51.2 40.2 60.2





#37

1,2-Dichloropropane

Concen: 17.081 ug/L

RT: 9.305 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD079089.D

Acq: 30 May 2024 12:03

Instrument :

MSVOA_D

ClientSampleId :

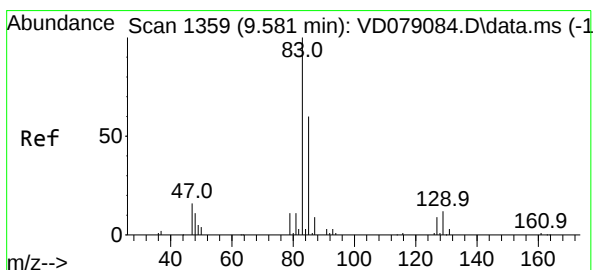
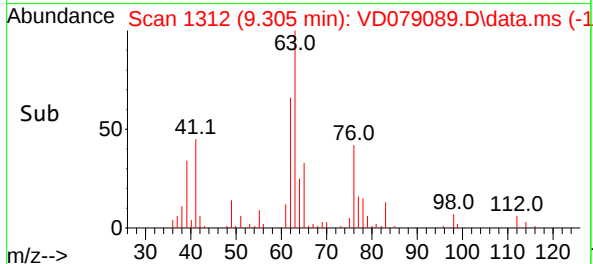
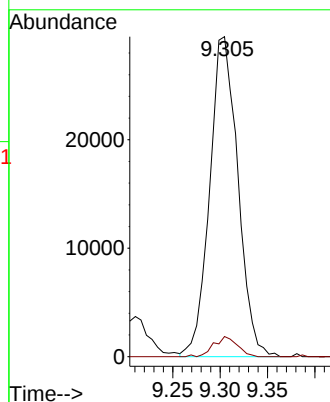
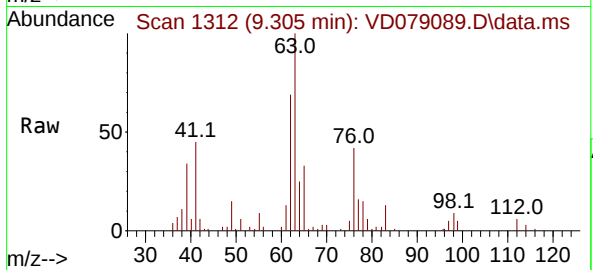
A4C15MSD

Tgt Ion: 63 Resp: 61172

Ion Ratio Lower Upper

63 100

112 5.2 3.9 5.9



#38

Bromodichloromethane

Concen: 16.102 ug/L

RT: 9.581 min Scan# 1359

Delta R.T. 0.000 min

Lab File: VD079089.D

Acq: 30 May 2024 12:03

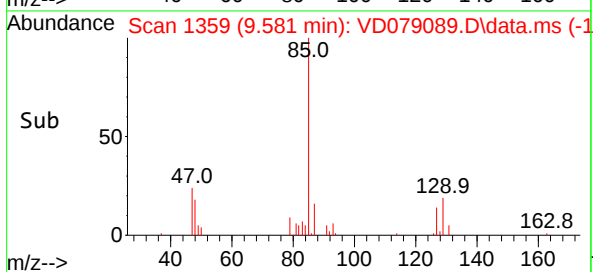
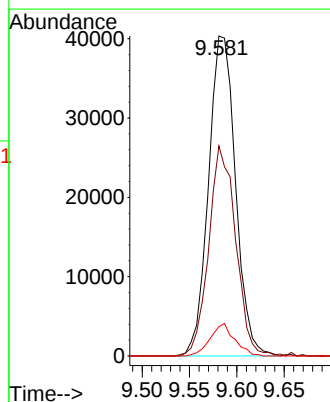
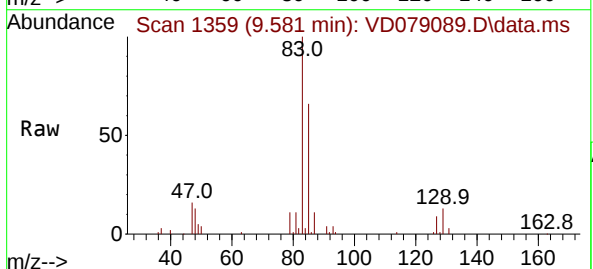
Tgt Ion: 83 Resp: 80160

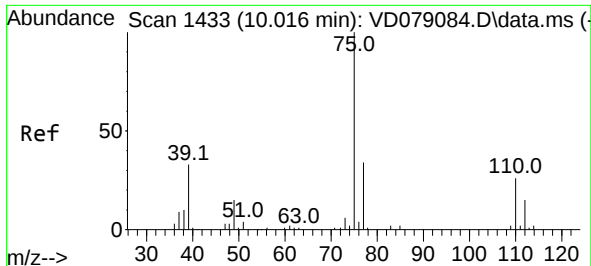
Ion Ratio Lower Upper

83 100

85 65.7 46.5 86.5

127 9.2 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 15.082 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD079089.D

Acq: 30 May 2024 12:03

Instrument :

MSVOA_D

ClientSampleId :

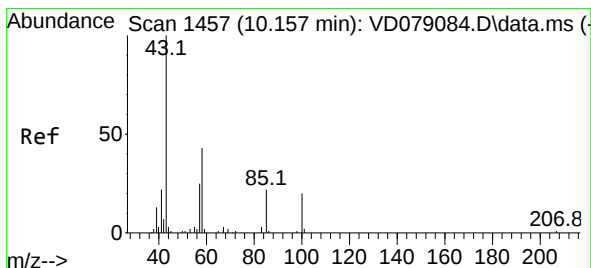
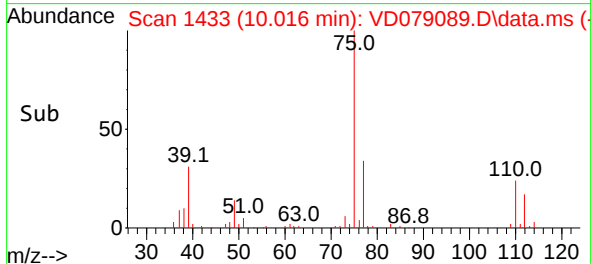
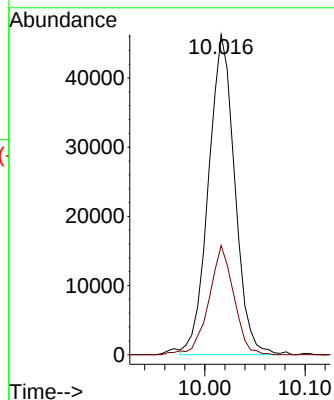
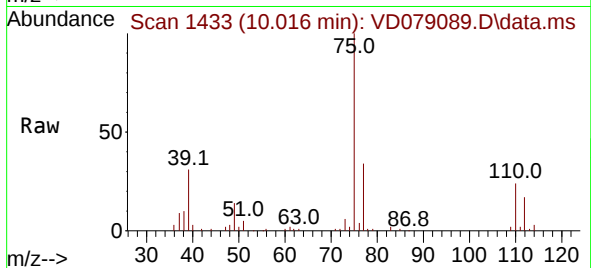
A4C15MSD

Tgt Ion: 75 Resp: 84314

Ion Ratio Lower Upper

75 100

77 34.1 23.4 43.4



#40

4-Methyl-2-pentanone

Concen: 24.486 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD079089.D

Acq: 30 May 2024 12:03

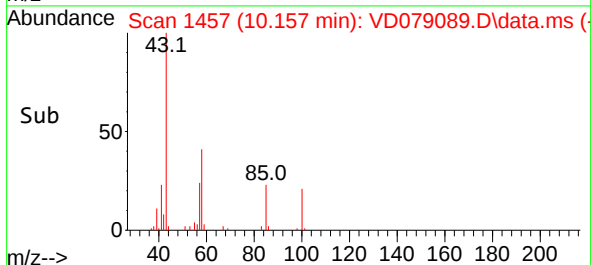
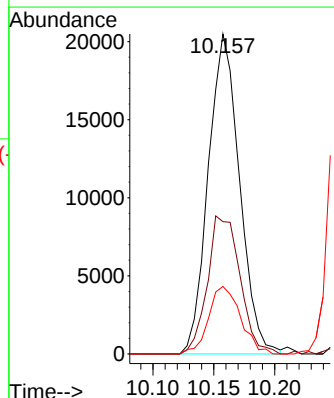
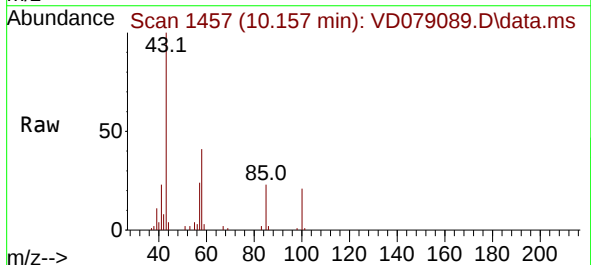
Tgt Ion: 43 Resp: 36605

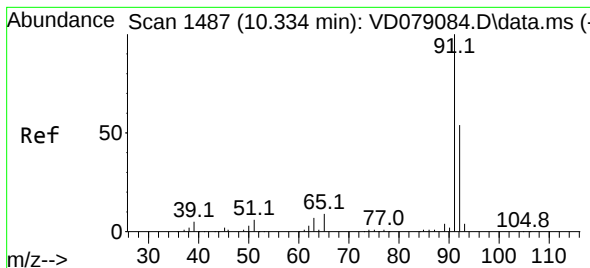
Ion Ratio Lower Upper

43 100

58 44.9 34.0 51.0

100 21.6 16.9 25.3





#42

Toluene

Concen: 17.164 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD079089.D

Acq: 30 May 2024 12:03

Instrument :

MSVOA_D

ClientSampleId :

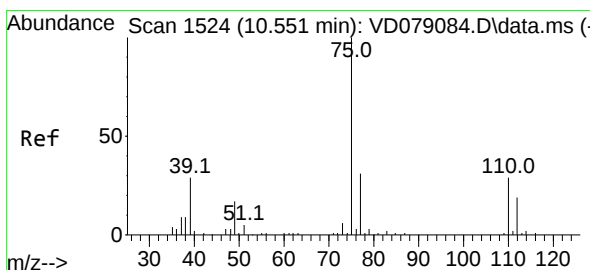
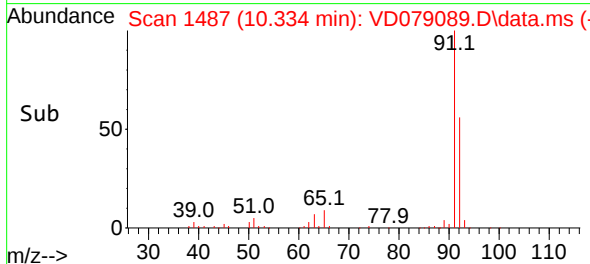
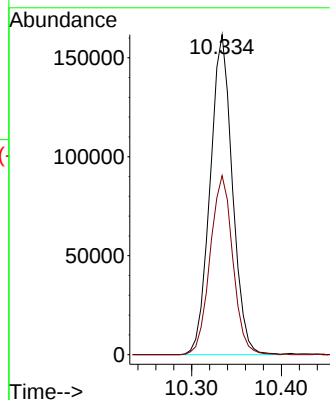
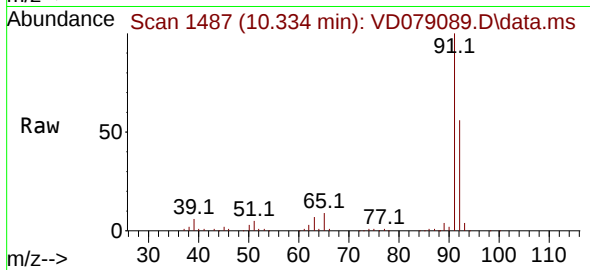
A4C15MSD

Tgt Ion: 91 Resp: 278657

Ion Ratio Lower Upper

91 100

92 56.0 38.9 72.3



#44

trans-1,3-Dichloropropene

Concen: 15.177 ug/L

RT: 10.552 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD079089.D

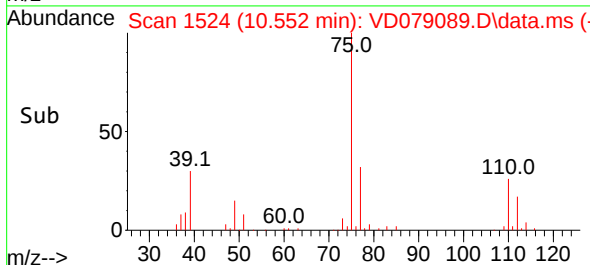
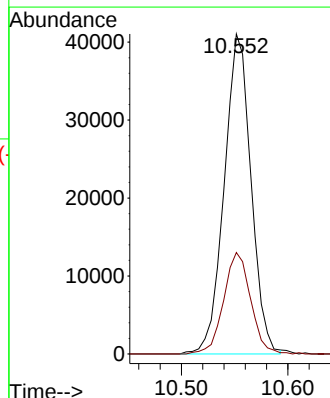
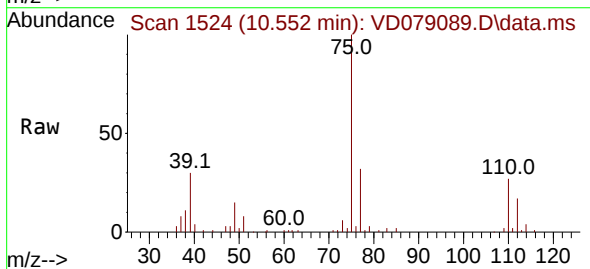
Acq: 30 May 2024 12:03

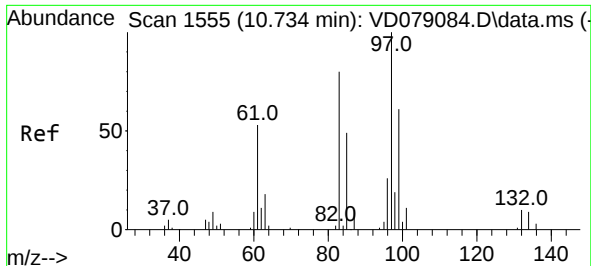
Tgt Ion: 75 Resp: 71750

Ion Ratio Lower Upper

75 100

77 31.7 24.3 45.1

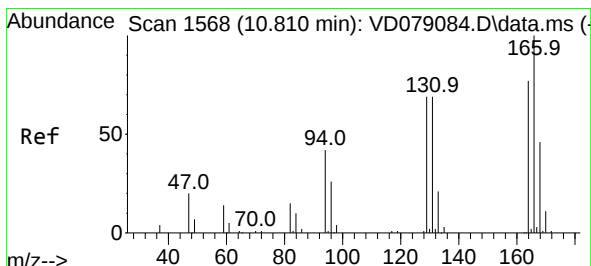
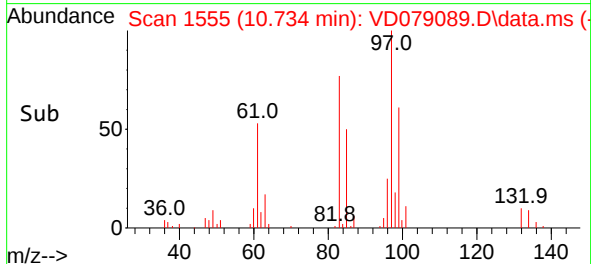
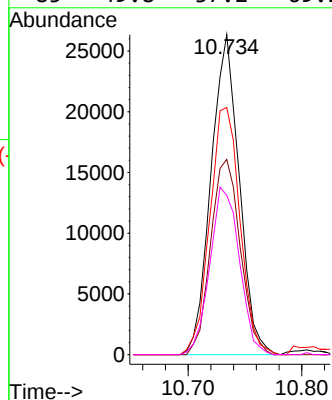
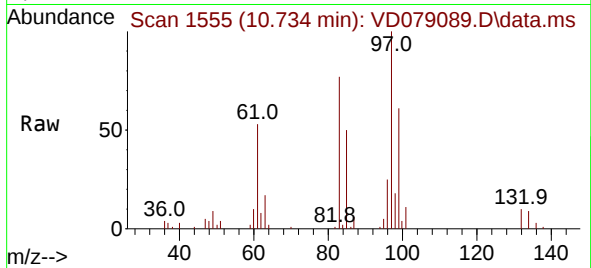




#45
1,1,2-Trichloroethane
Concen: 14.473 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

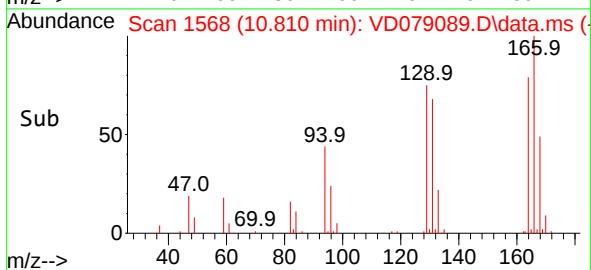
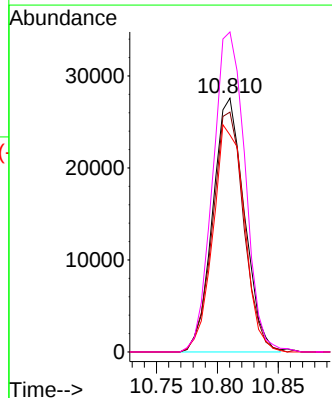
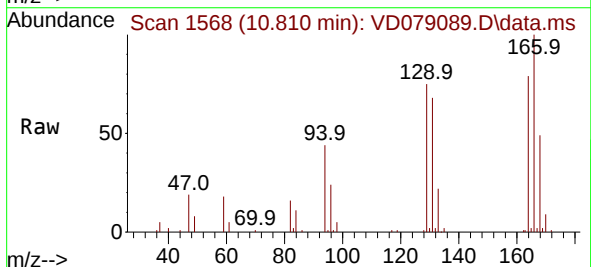
Instrument :
MSVOA_D
ClientSampleId :
A4C15MSD

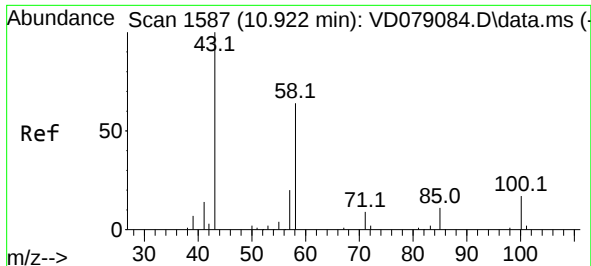
Tgt Ion:	97	Resp:	45471
Ion	Ratio	Lower	Upper
97	100		
99	61.1	43.0	79.8
83	77.3	58.9	109.5
85	49.8	37.2	69.2



#46
Tetrachloroethene
Concen: 15.047 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

Tgt Ion:	164	Resp:	49892
Ion	Ratio	Lower	Upper
164	100		
129	94.5	64.3	119.5
131	85.5	61.2	113.8
166	126.1	90.0	167.2

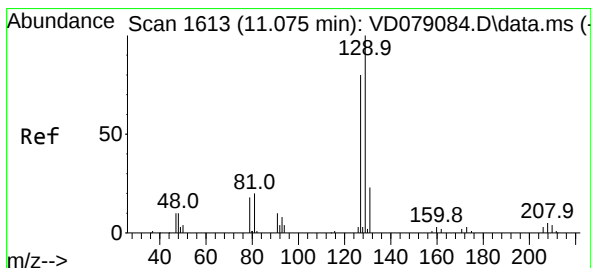
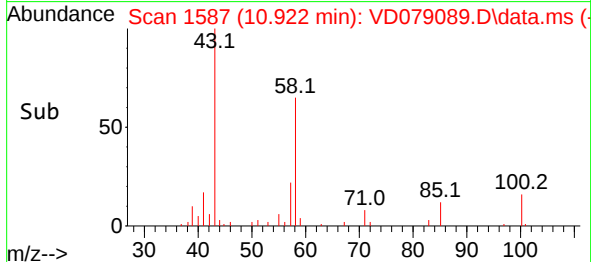
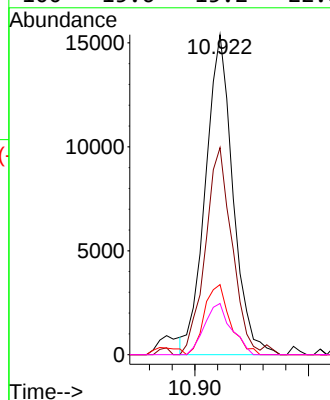
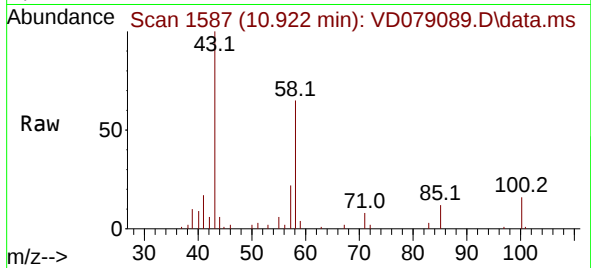




#48
2-Hexanone
Concen: 20.005 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

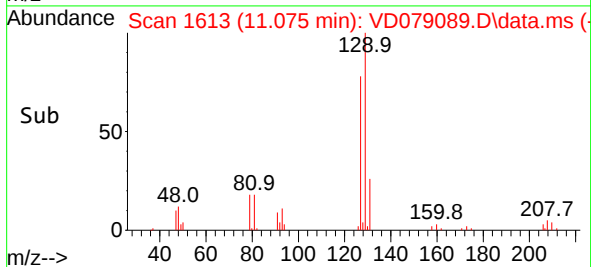
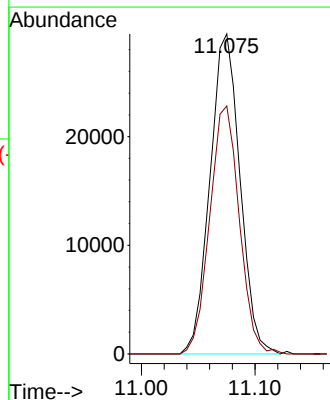
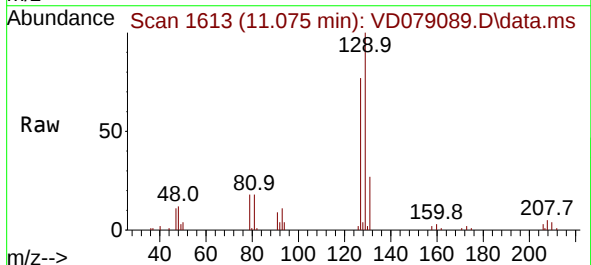
Instrument :
MSVOA_D
ClientSampleId :
A4C15MSD

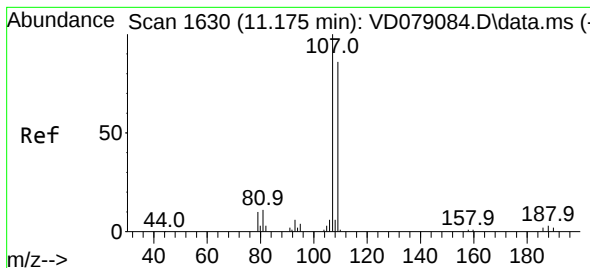
Tgt Ion:	43	Resp:	25879
Ion	Ratio	Lower	Upper
43	100		
58	62.6	50.1	75.1
57	20.4	16.5	24.7
100	15.6	15.2	22.8



#49
Dibromochloromethane
Concen: 14.537 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

Tgt Ion:	129	Resp:	54085
Ion	Ratio	Lower	Upper
129	100		
127	77.5	56.4	104.7





#50

1,2-Dibromoethane

Concen: 14.227 ug/L

RT: 11.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD079089.D

Acq: 30 May 2024 12:03

Instrument :

MSVOA_D

ClientSampleId :

A4C15MSD

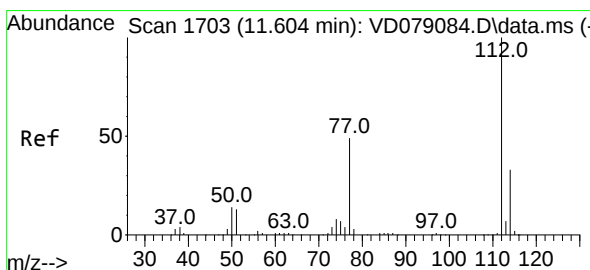
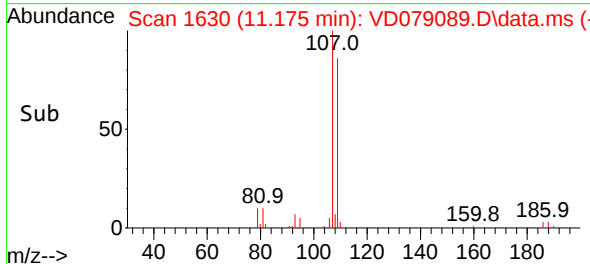
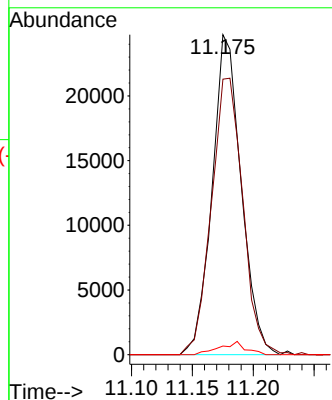
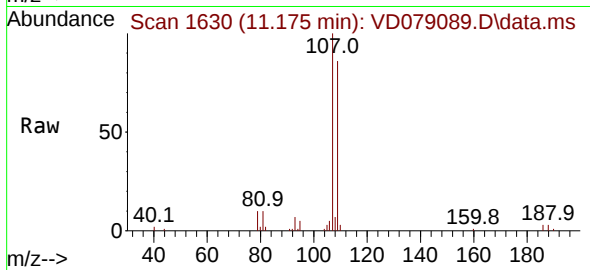
Tgt Ion:107 Resp: 41080

Ion Ratio Lower Upper

107 100

109 86.1 64.5 119.7

188 2.7 2.6 3.8



#51

Chlorobenzene

Concen: 15.950 ug/L

RT: 11.604 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VD079089.D

Acq: 30 May 2024 12:03

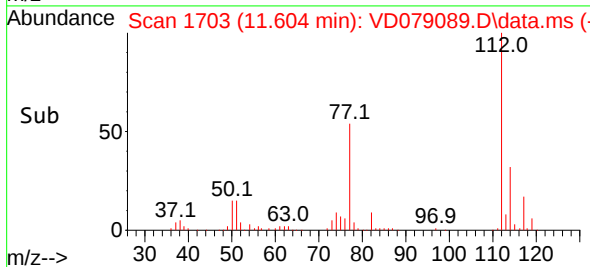
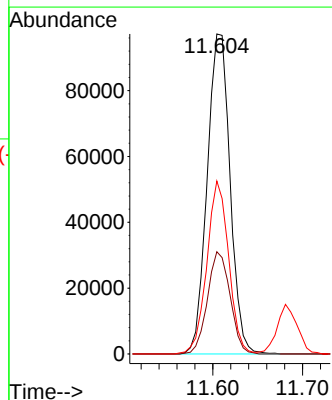
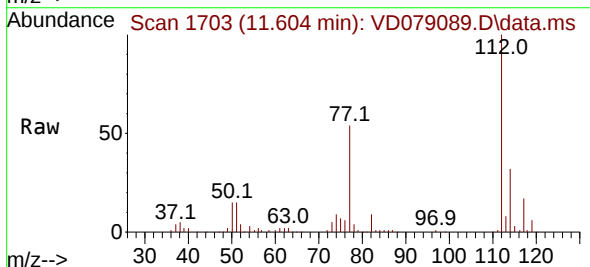
Tgt Ion:112 Resp: 172297

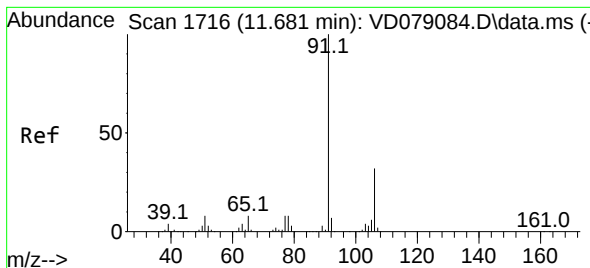
Ion Ratio Lower Upper

112 100

114 31.9 22.7 42.3

77 54.0 38.4 57.6





#52

Ethylbenzene

Concen: 16.424 ug/L

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD079089.D

Acq: 30 May 2024 12:03

Instrument :

MSVOA_D

ClientSampleId :

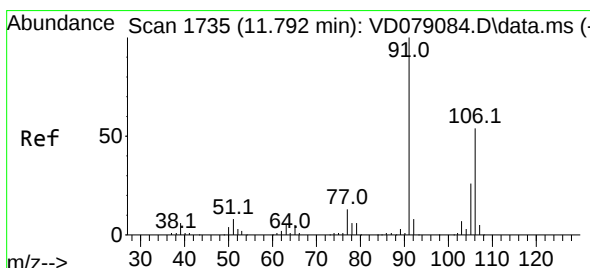
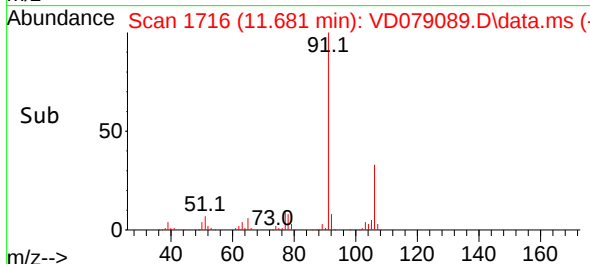
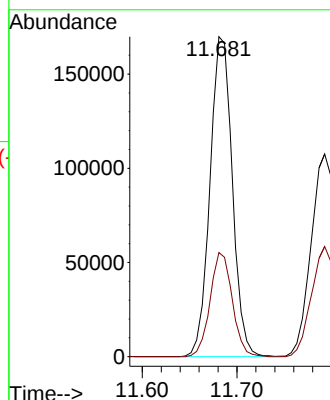
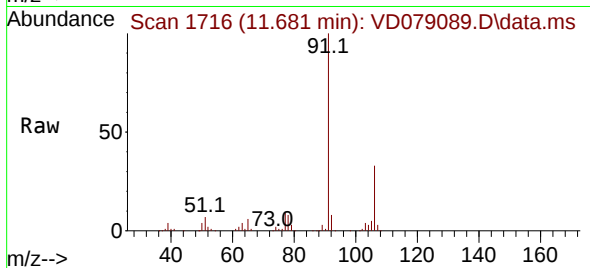
A4C15MSD

Tgt Ion: 91 Resp: 278139

Ion Ratio Lower Upper

91 100

106 32.5 22.3 41.5



#53

m,p-Xylene

Concen: 16.563 ug/L

RT: 11.793 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD079089.D

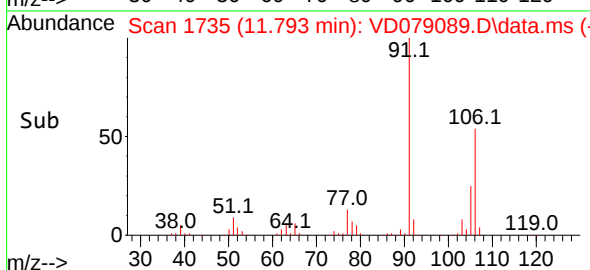
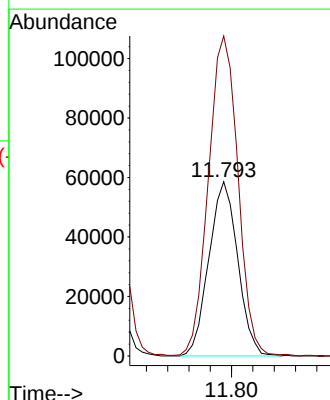
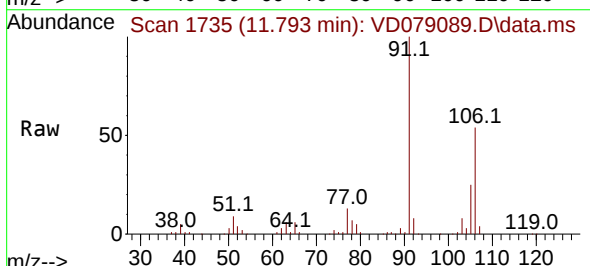
Acq: 30 May 2024 12:03

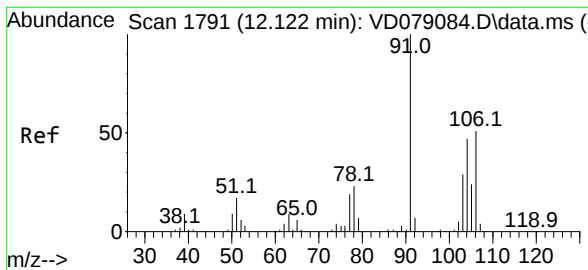
Tgt Ion: 106 Resp: 110050

Ion Ratio Lower Upper

106 100

91 183.7 133.1 247.1

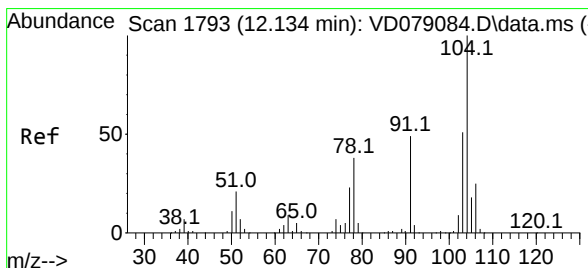
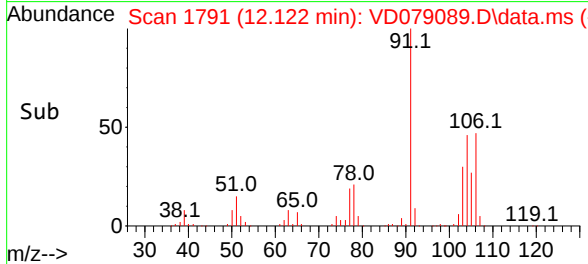
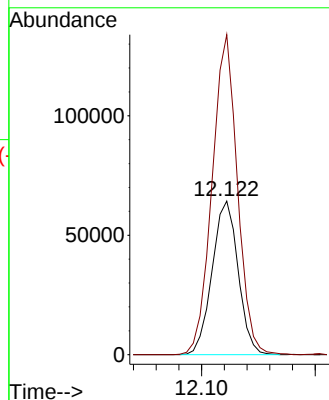
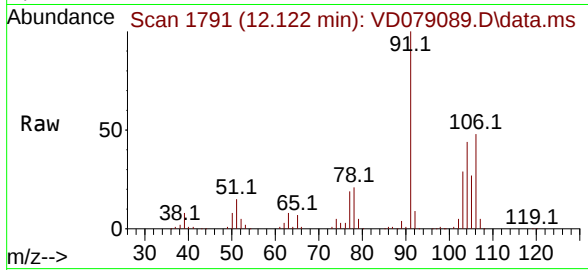




#54
o-Xylene
Concen: 15.913 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

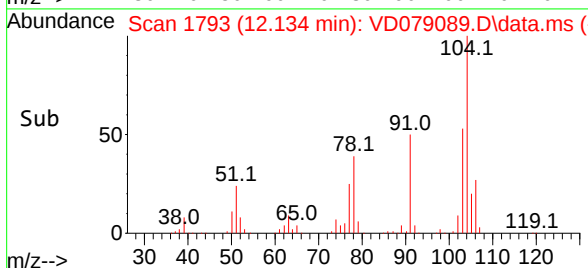
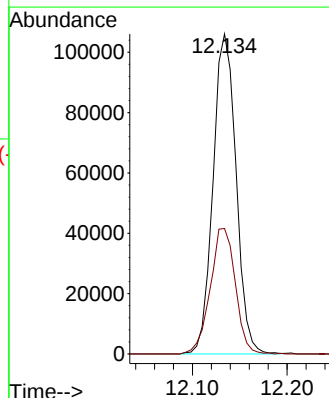
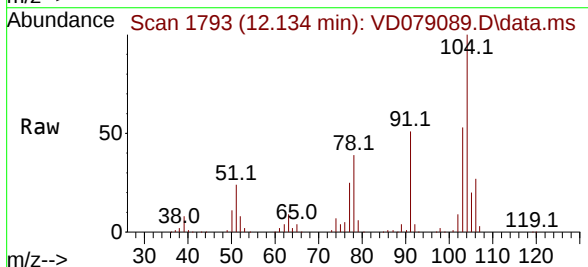
Instrument :
MSVOA_D
ClientSampleId :
A4C15MSD

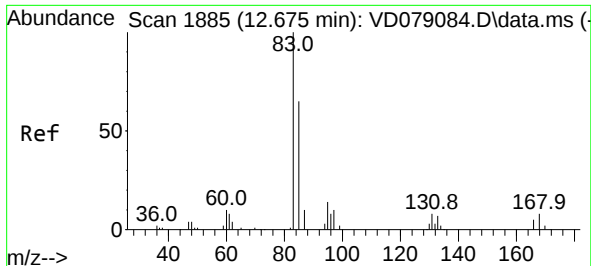
Tgt Ion:106 Resp: 102150
Ion Ratio Lower Upper
106 100
91 208.4 132.9 246.9



#55
Styrene
Concen: 15.736 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

Tgt Ion:104 Resp: 179109
Ion Ratio Lower Upper
104 100
78 39.2 27.8 51.6





#57

1,1,2,2-Tetrachloroethane

Concen: 12.717 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD079089.D

Acq: 30 May 2024 12:03

Instrument :

MSVOA_D

ClientSampleId :

A4C15MSD

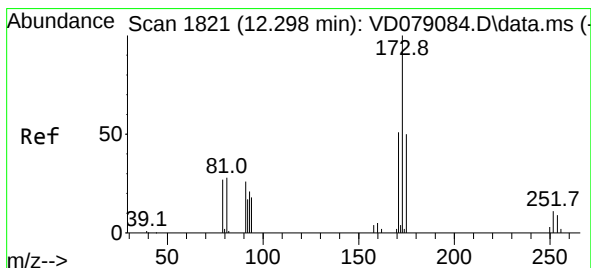
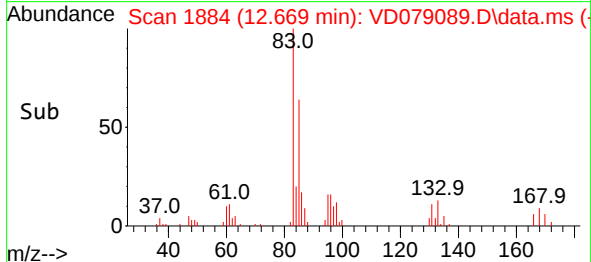
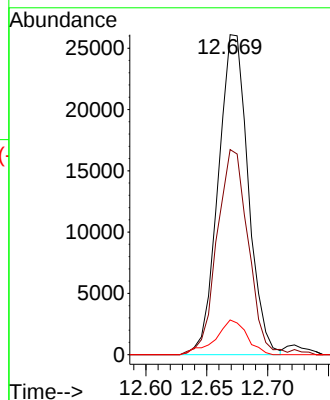
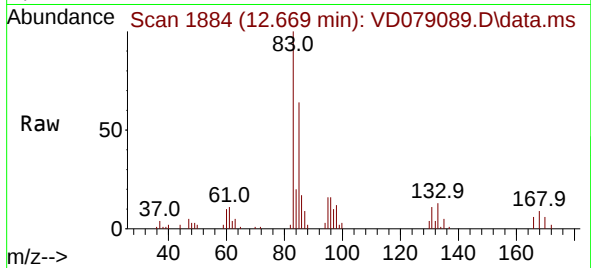
Tgt Ion: 83 Resp: 44723

Ion Ratio Lower Upper

83 100

85 64.1 47.5 88.1

131 10.9 8.6 13.0



#59

Bromoform

Concen: 16.076 ug/L

RT: 12.299 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD079089.D

Acq: 30 May 2024 12:03

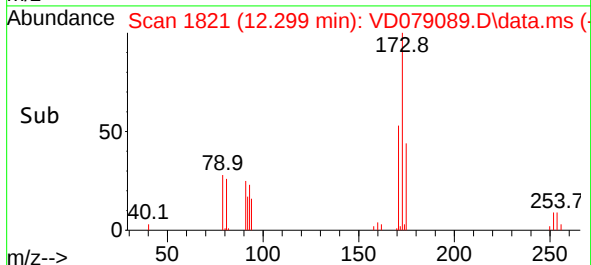
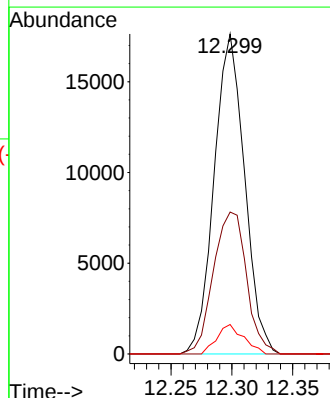
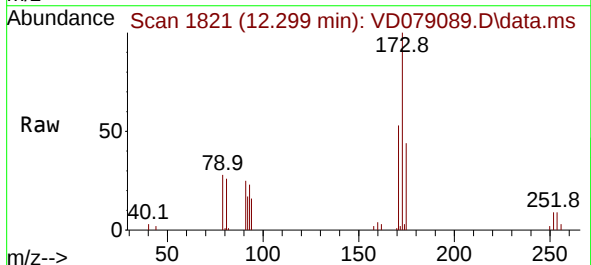
Tgt Ion:173 Resp: 30633

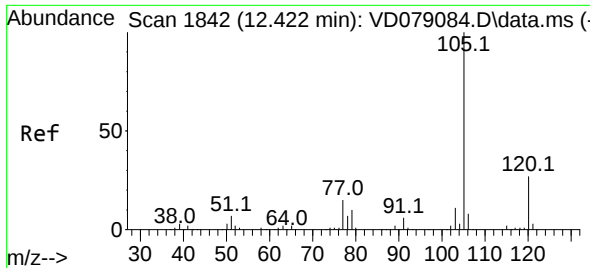
Ion Ratio Lower Upper

173 100

175 48.3 38.2 57.4

254 8.1 7.0 10.6

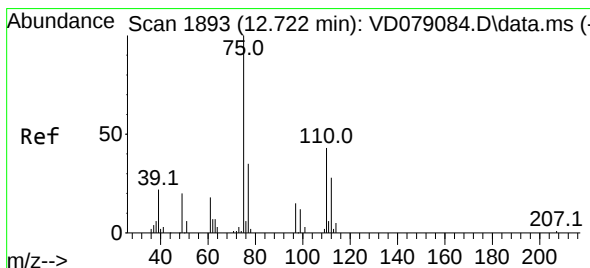
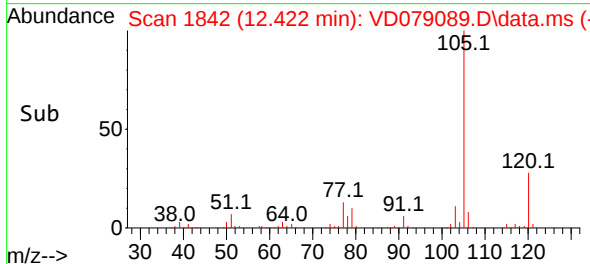
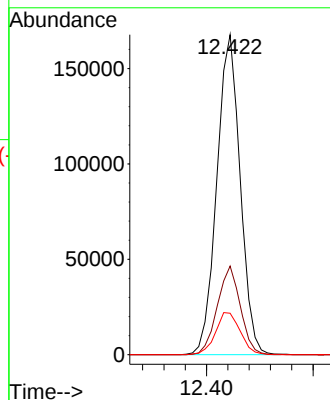
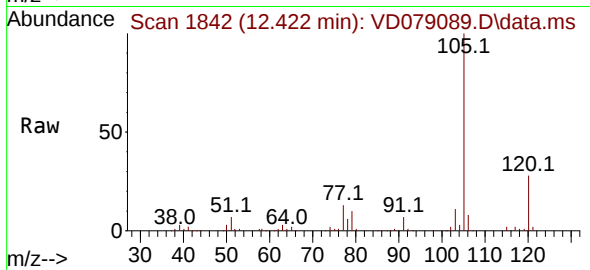




#60
Isopropylbenzene
Concen: 18.555 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

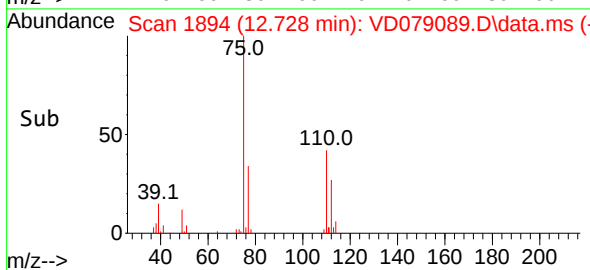
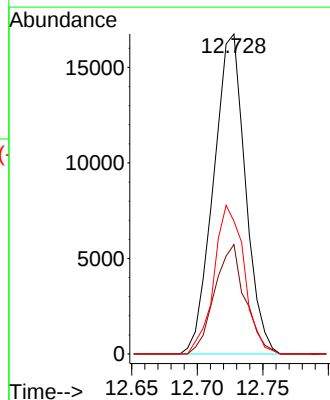
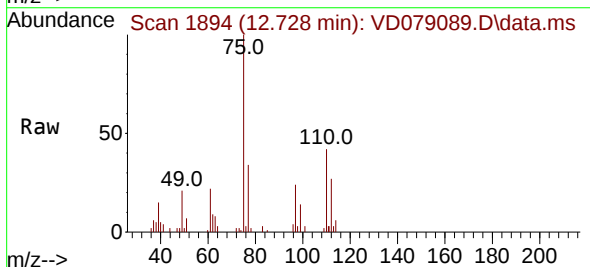
Instrument :
MSVOA_D
ClientSampleId :
A4C15MSD

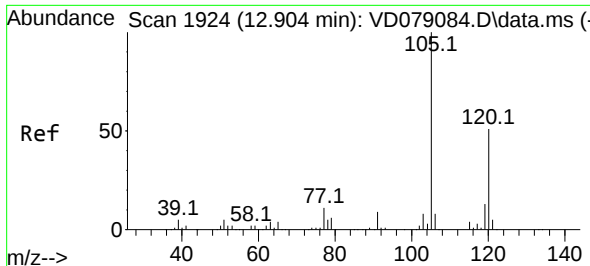
Tgt Ion:105 Resp: 255092
Ion Ratio Lower Upper
105 100
120 27.2 21.9 32.9
77 14.0 10.9 16.3



#61
1,2,3-Trichloropropane
Concen: 15.396 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.006 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

Tgt Ion: 75 Resp: 28261
Ion Ratio Lower Upper
75 100
77 32.8 25.9 38.9
110 44.1 34.2 51.4





#62

1,3,5-Trimethylbenzene

Concen: 17.740 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD079089.D

Acq: 30 May 2024 12:03

Instrument :

MSVOA_D

ClientSampleId :

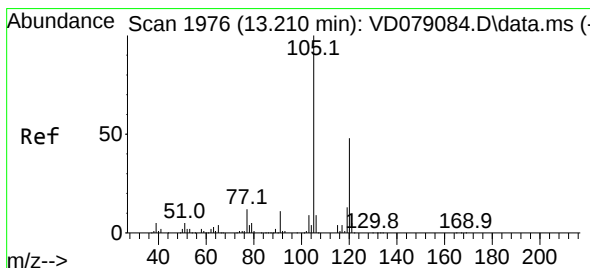
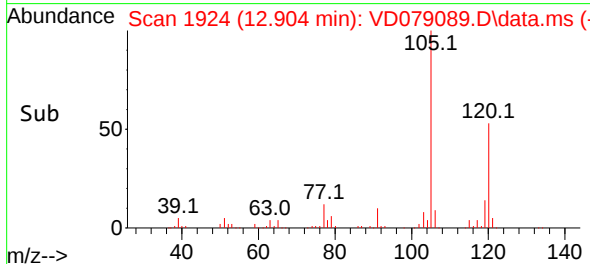
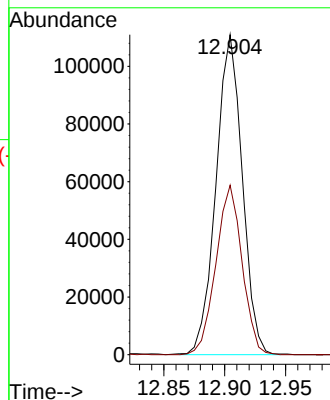
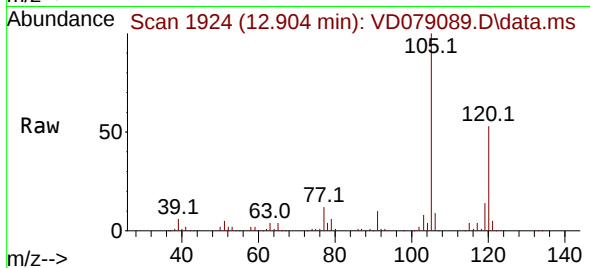
A4C15MSD

Tgt Ion:105 Resp: 166751

Ion Ratio Lower Upper

105 100

120 52.7 40.7 61.1



#63

1,2,4-Trimethylbenzene

Concen: 17.990 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD079089.D

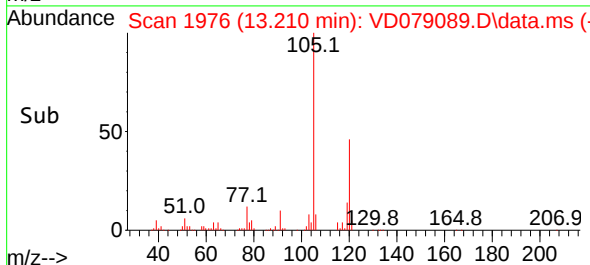
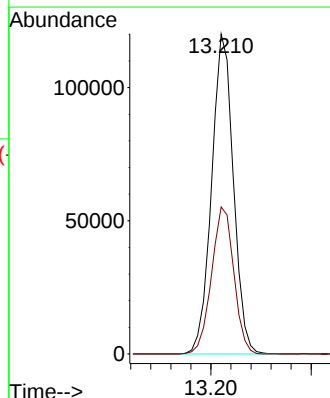
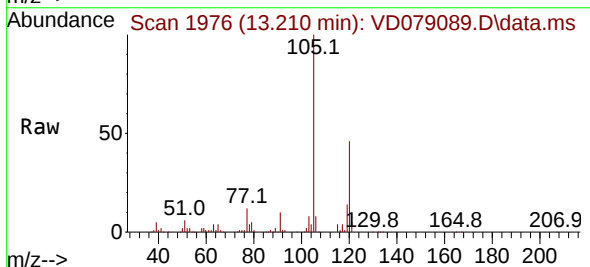
Acq: 30 May 2024 12:03

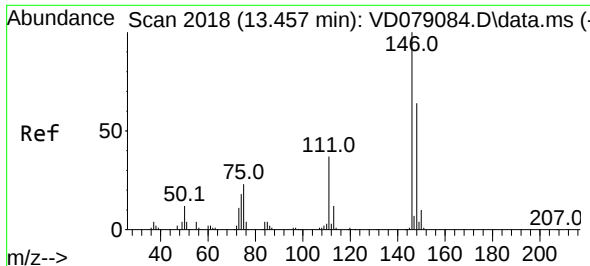
Tgt Ion:105 Resp: 180864

Ion Ratio Lower Upper

105 100

120 47.1 38.0 57.0

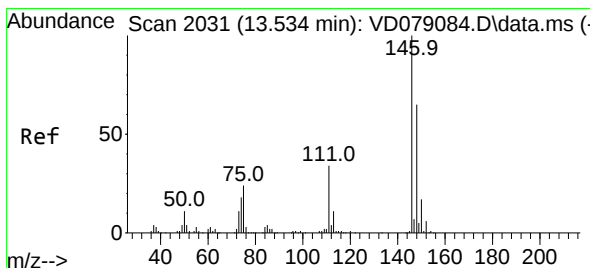
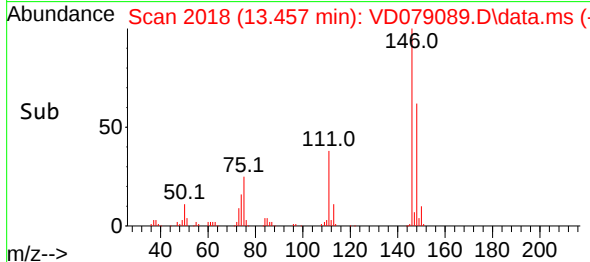
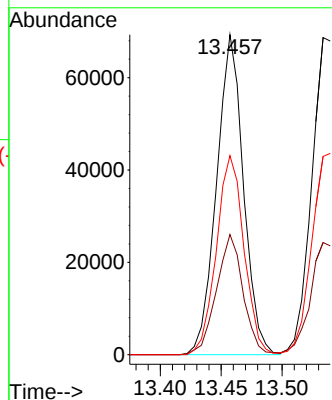
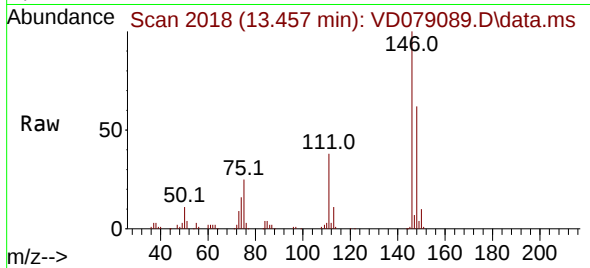




#64
1,3-Dichlorobenzene
Concen: 16.127 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

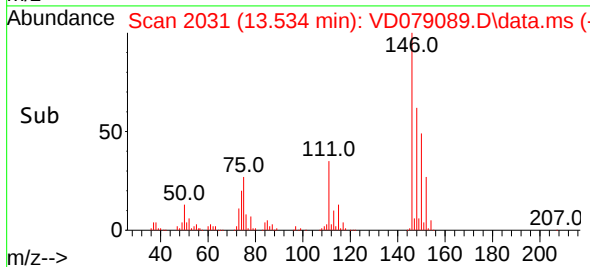
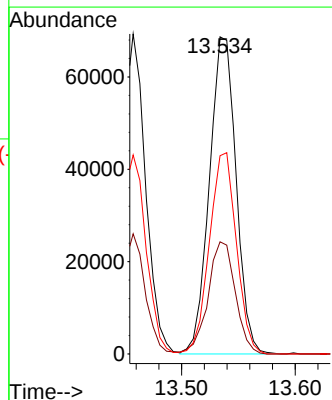
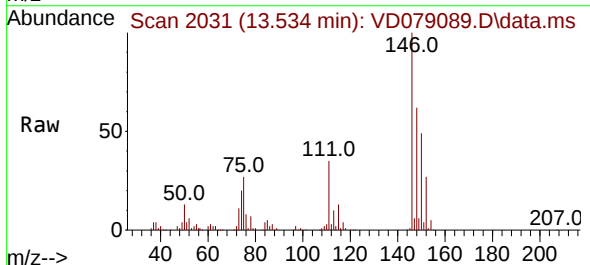
Instrument :
MSVOA_D
ClientSampleId :
A4C15MSD

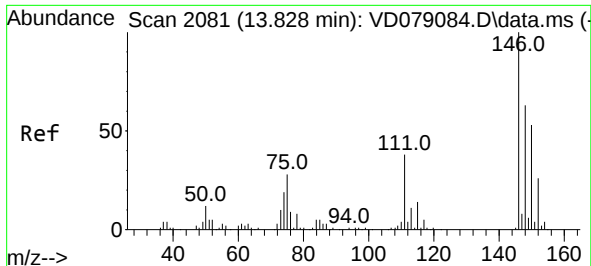
Tgt Ion:146 Resp: 106508
Ion Ratio Lower Upper
146 100
111 37.5 24.4 45.4
148 62.2 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 16.035 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

Tgt Ion:146 Resp: 112208
Ion Ratio Lower Upper
146 100
111 35.4 26.3 48.9
148 62.5 43.1 80.1





#67

1,2-Dichlorobenzene

Concen: 14.941 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VD079089.D

Acq: 30 May 2024 12:03

Instrument :

MSVOA_D

ClientSampleId :

A4C15MSD

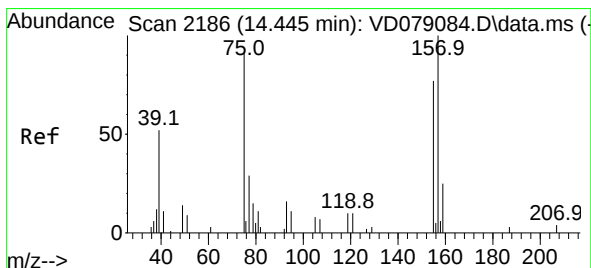
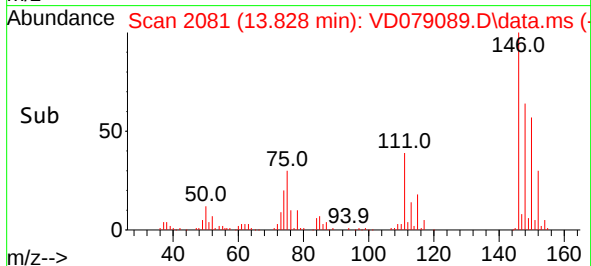
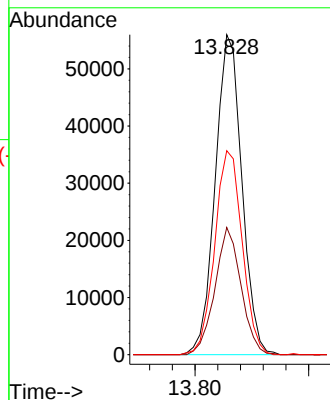
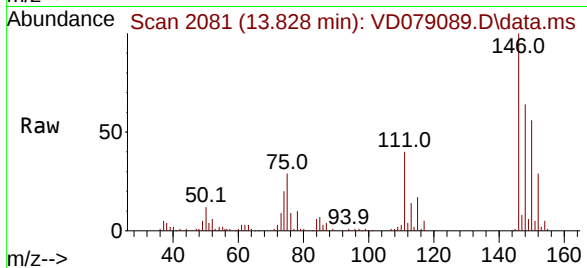
Tgt Ion:146 Resp: 91219

Ion Ratio Lower Upper

146 100

111 39.8 29.1 43.7

148 63.8 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 13.545 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.006 min

Lab File: VD079089.D

Acq: 30 May 2024 12:03

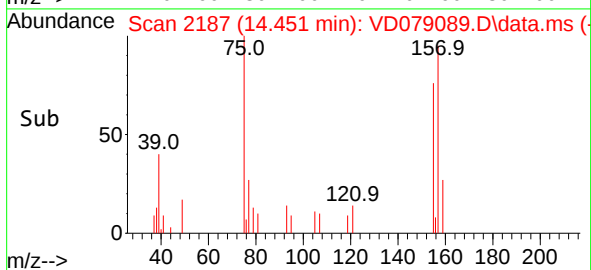
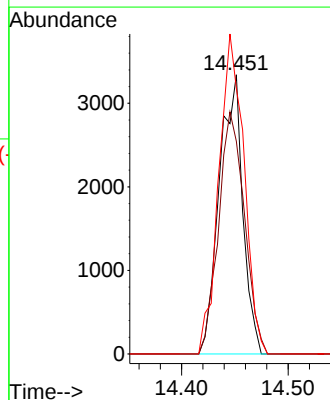
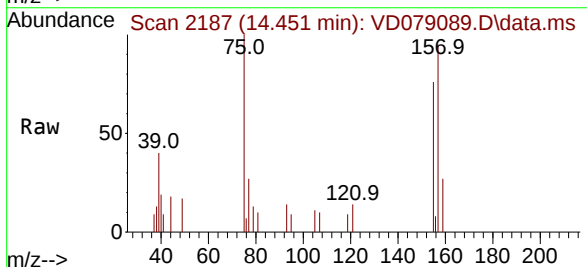
Tgt Ion: 75 Resp: 5111

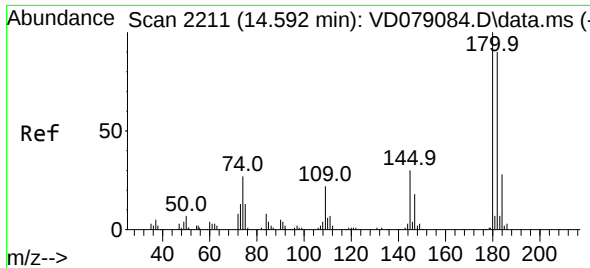
Ion Ratio Lower Upper

75 100

155 76.2 68.1 102.1

157 95.1 91.6 137.4

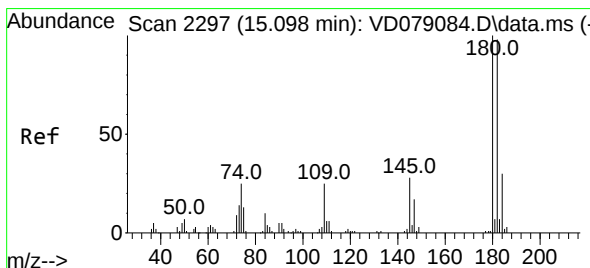
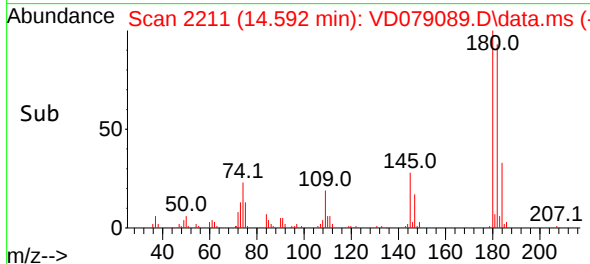
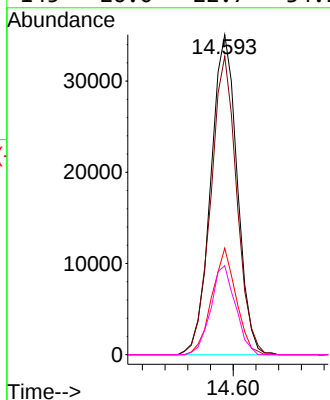
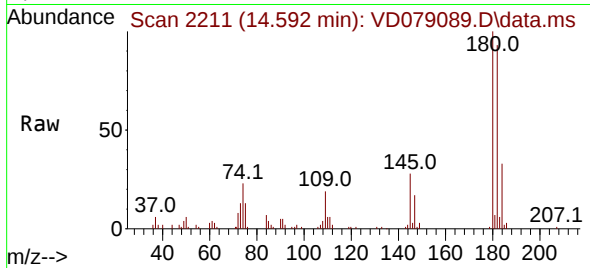




#69
 1,3,5-Trichlorobenzene
 Concen: 13.550 ug/L
 RT: 14.592 min Scan# 2211
 Delta R.T. 0.000 min
 Lab File: VD079089.D
 Acq: 30 May 2024 12:03

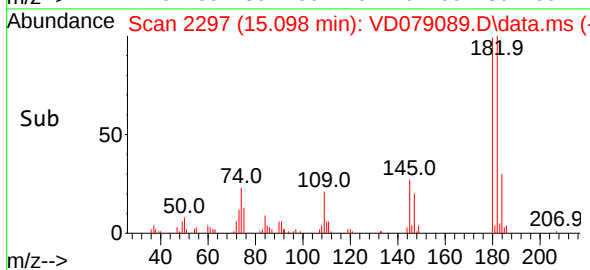
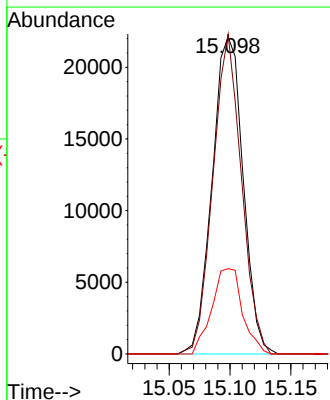
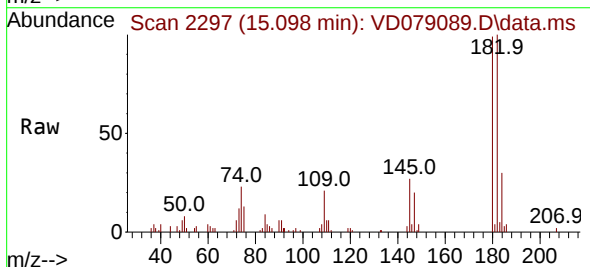
Instrument :
 MSVOA_D
 ClientSampleId :
 A4C15MSD

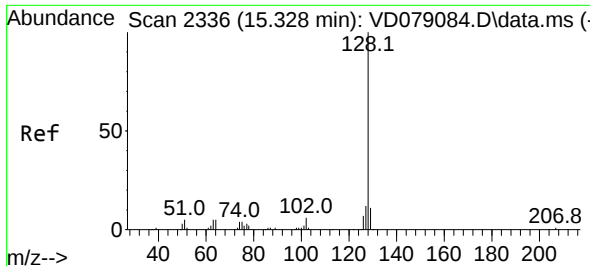
Tgt Ion:180	Resp:	56439
Ion Ratio	Lower	Upper
180	100	
182	91.9	76.9 115.3
184	30.5	23.3 34.9
145	26.0	22.7 34.1



#70
 1,2,4-trichlorobenzene
 Concen: 11.289 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. 0.000 min
 Lab File: VD079089.D
 Acq: 30 May 2024 12:03

Tgt Ion:180	Resp:	39053
Ion Ratio	Lower	Upper
180	100	
182	92.7	73.8 110.6
145	26.8	22.3 33.5

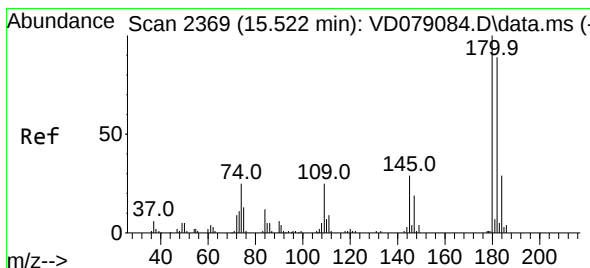
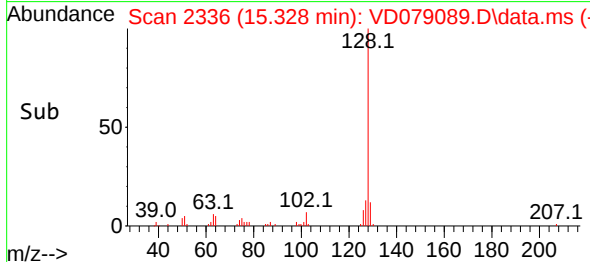
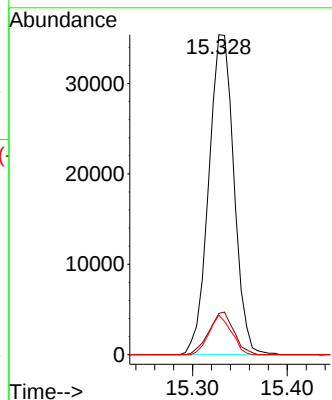
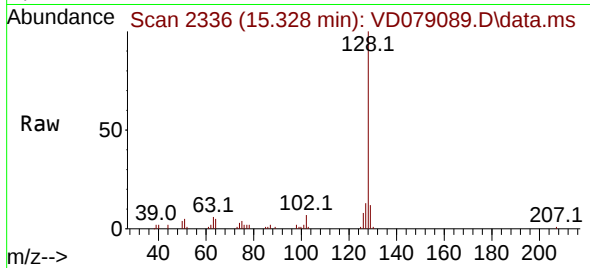




#71
Naphthalene
Concen: 10.129 ug/L
RT: 15.328 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

Instrument :
MSVOA_D
ClientSampleId :
A4C15MSD

Tgt Ion:	128	Resp:	65531
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.8	16.2
129	10.9	8.5	12.7



#72
1,2,3-Trichlorobenzene
Concen: 11.407 ug/L
RT: 15.516 min Scan# 2368
Delta R.T. -0.006 min
Lab File: VD079089.D
Acq: 30 May 2024 12:03

Tgt Ion:	180	Resp:	34105
Ion Ratio	Lower	Upper	
180	100		
182	92.8	79.4	119.2
145	28.4	24.7	37.1

