

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052024\
 Data File : VD078971.D
 Acq On : 20 May 2024 16:44
 Operator : RP/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 21 01:04:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue May 21 01:03:15 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	133647	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	141858	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	80893	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	64601	19.718	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.880%
7) Chloroethane-d5	2.805	69	77726	22.163	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.640%
11) 1,1-Dichloroethene-d2	3.917	65	13336	20.867	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.480%
21) 2-Butanone-d5	6.981	46	22379	48.258	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.520%
24) Chloroform-d	7.569	84	83715	21.041	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.160%
26) 1,2-Dichloroethane-d4	8.234	65	42955	22.734	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.920%
32) Benzene-d6	8.199	84	162067	22.390	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.560%
36) 1,2-Dichloropropane-d6	9.210	67	49747	22.556	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.240%
41) Toluene-d8	10.269	98	145683	21.835	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.360%
43) trans-1,3-Dichloroprop...	10.522	79	21725	21.384	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.520%
47) 2-Hexanone-d5	10.875	63	21012	47.537	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.080%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	60406	24.077	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.320%
66) 1,2-Dichlorobenzene-d4	13.810	152	60151	21.908	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.640%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	65308	24.423	ug/L	98
3) Chloromethane	2.152	50	84585	25.780	ug/L	93
5) Vinyl chloride	2.287	62	126038	23.478	ug/L	96
6) Bromomethane	2.693	94	88158	22.963	ug/L	97
8) Chloroethane	2.840	64	108005	26.050	ug/L	100
9) Trichlorofluoromethane	3.175	101	110805	26.465	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	73052	27.525	ug/L	94
12) 1,1-Dichloroethene	3.940	96	56976	24.656	ug/L	85
13) Acetone	4.017	43	29788	53.176	ug/L	98
14) Carbon disulfide	4.275	76	155780	23.263	ug/L	96
15) Methyl Acetate	4.558	43	26889	29.543	ug/L	98
16) Methylene chloride	4.799	84	79363	25.069	ug/L	93
17) trans-1,2-Dichloroethene	5.311	96	65746	27.942	ug/L	87
18) Methyl tert-butyl Ether	5.311	73	154177	30.755	ug/L #	92
19) 1,1-Dichloroethane	6.111	63	117184	29.651	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	76545	28.521	ug/L	96
22) 2-Butanone	7.087	43	36611	56.845	ug/L	92
23) Bromochloromethane	7.422	128	39749	29.641	ug/L #	92
25) Chloroform	7.593	83	144307	30.379	ug/L	86

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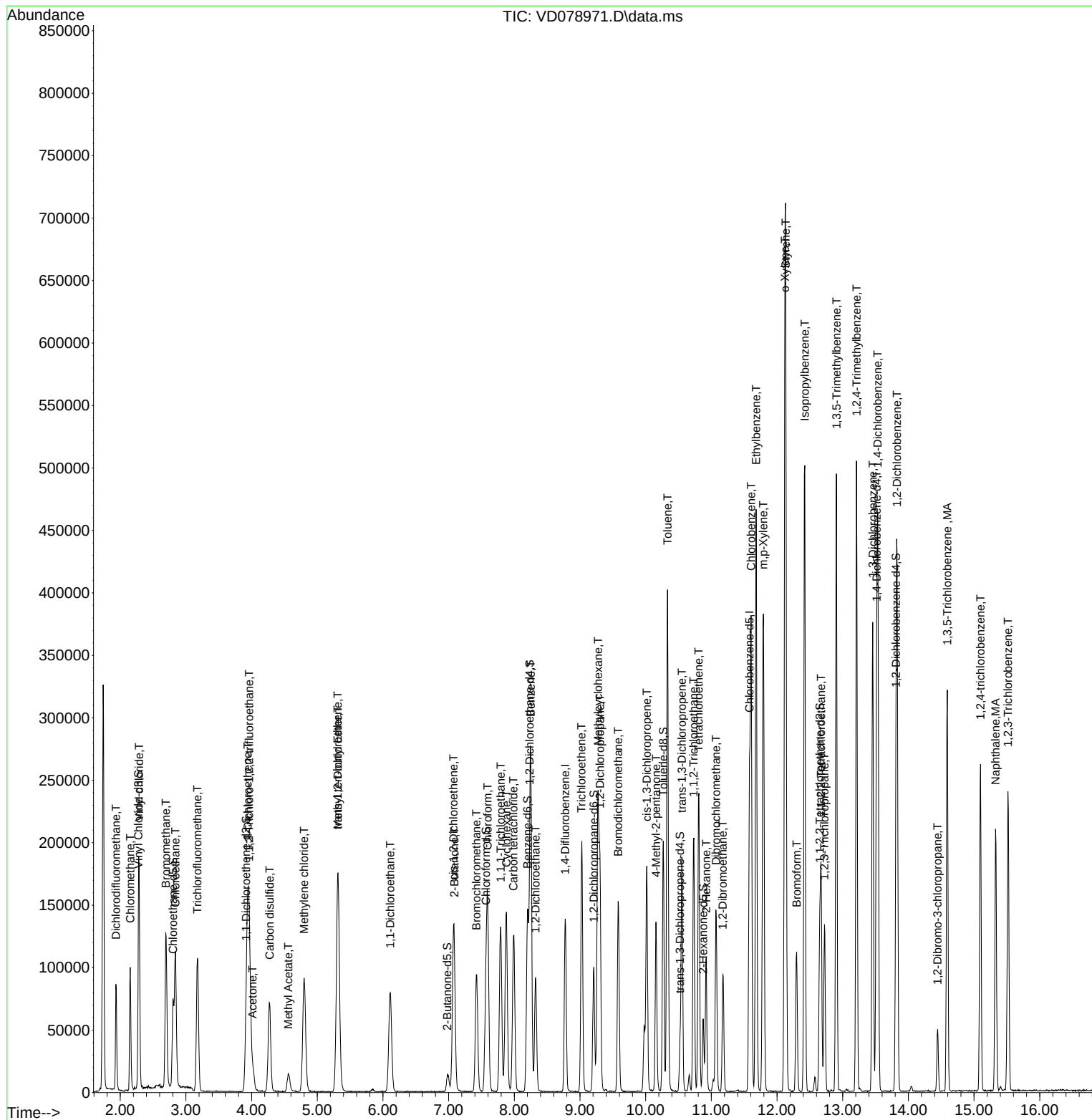
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	80994	29.438	ug/L	99
29) Cyclohexane	7.881	56	74258	27.237	ug/L	97
30) 1,1,1-Trichloroethane	7.793	97	111668	28.452	ug/L	99
31) Carbon tetrachloride	7.987	117	102600	28.391	ug/L	96
33) Benzene	8.252	78	283120	29.116	ug/L	100
34) Trichloroethene	9.022	95	70530	28.154	ug/L	97
35) Methylcyclohexane	9.275	83	100851	26.778	ug/L	99
37) 1,2-Dichloropropane	9.305	63	73998	30.028	ug/L	98
38) Bromodichloromethane	9.581	83	105036	30.142	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	113374	29.328	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	81065	65.126	ug/L	96
42) Toluene	10.334	91	319790	29.913	ug/L	98
44) trans-1,3-Dichloropropene	10.552	75	104762	30.654	ug/L	99
45) 1,1,2-Trichloroethane	10.728	97	70254	31.177	ug/L	95
46) Tetrachloroethene	10.804	164	57847	26.838	ug/L	96
48) 2-Hexanone	10.922	43	61334	63.563	ug/L	97
49) Dibromochloromethane	11.069	129	79956	29.186	ug/L	98
50) 1,2-Dibromoethane	11.175	107	63589	29.874	ug/L	96
51) Chlorobenzene	11.604	112	212818	28.177	ug/L	99
52) Ethylbenzene	11.681	91	340618	29.521	ug/L	97
53) m,p-Xylene	11.793	106	134912	29.228	ug/L	97
54) o-Xylene	12.122	106	131469	29.243	ug/L	98
55) Styrene	12.134	104	248666	31.300	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.669	83	86261	31.562	ug/L	95
59) Bromoform	12.299	173	52285	28.558	ug/L	100
60) Isopropylbenzene	12.422	105	340624	28.482	ug/L	100
61) 1,2,3-Trichloropropane	12.722	75	55155	29.745	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	259879	29.398	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	264636	29.461	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	163909	28.220	ug/L	93
65) 1,4-Dichlorobenzene	13.534	146	175884	28.088	ug/L	96
67) 1,2-Dichlorobenzene	13.828	146	156264	28.426	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	11855	30.692	ug/L	91
69) 1,3,5-Trichlorobenzene	14.592	180	104666	27.746	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	87878	27.518	ug/L	98
71) Naphthalene	15.328	128	189165	29.033	ug/L	99
72) 1,2,3-Trichlorobenzene	15.516	180	85435	28.622	ug/L	97

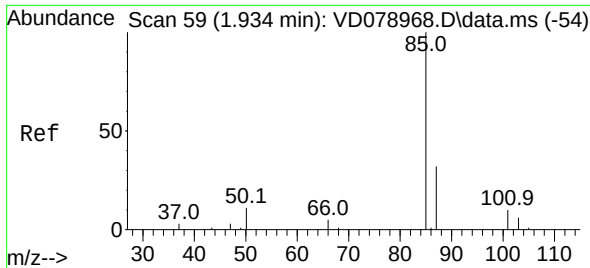
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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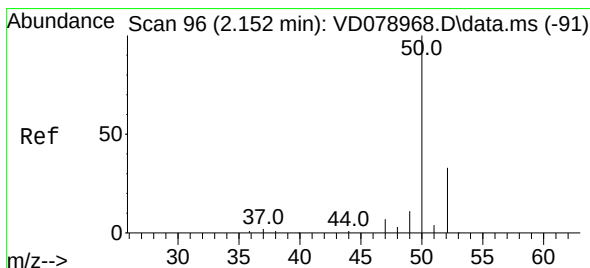
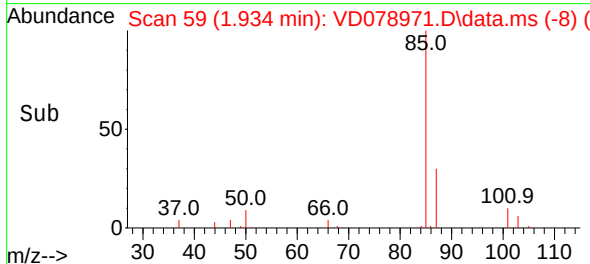
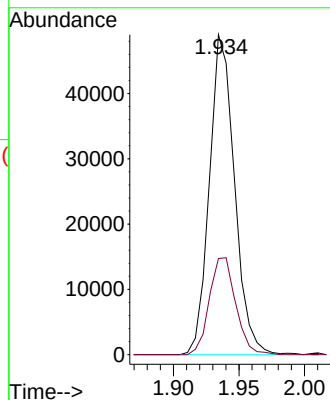
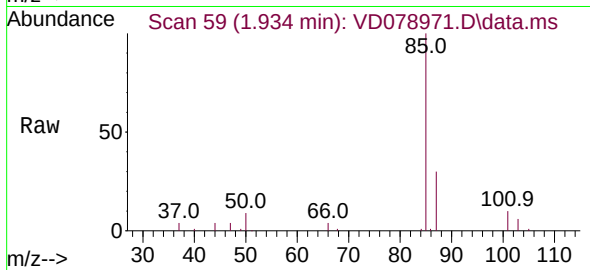




#2
Dichlorodifluoromethane
Concen: 24.423 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

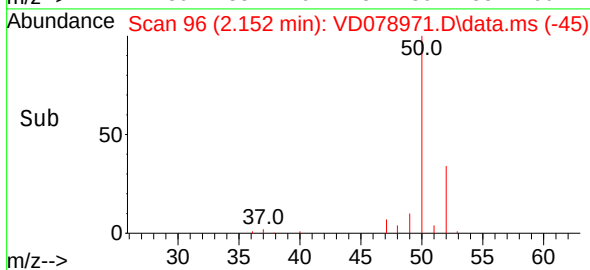
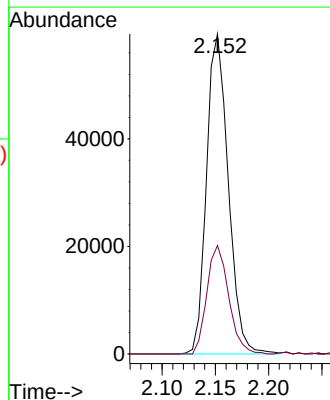
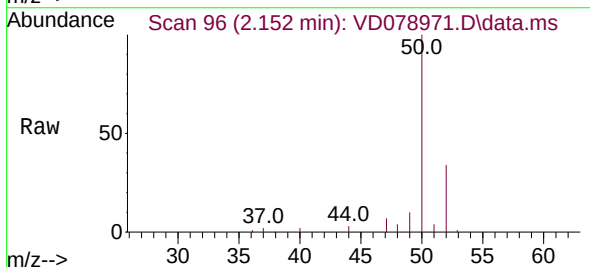
Instrument :
MSVOA_D
ClientSampleId :

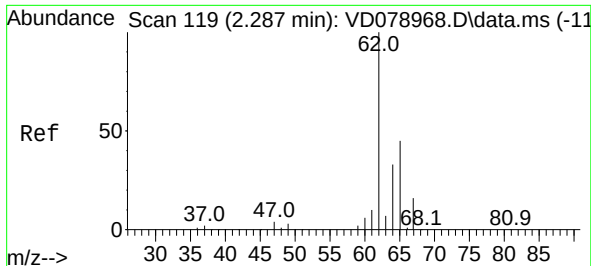
Tgt Ion: 85 Resp: 65308
Ion Ratio Lower Upper
85 100
87 31.8 26.3 39.5



#3
Chloromethane
Concen: 25.780 ug/L
RT: 2.152 min Scan# 96
Delta R.T. 0.000 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

Tgt Ion: 50 Resp: 84585
Ion Ratio Lower Upper
50 100
52 33.9 26.5 49.3

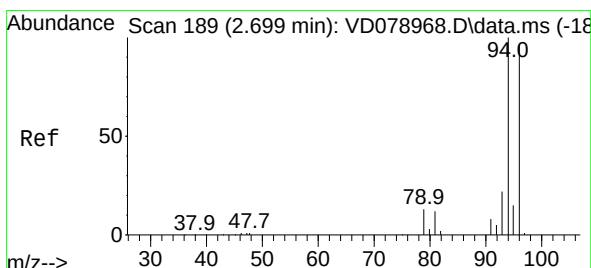
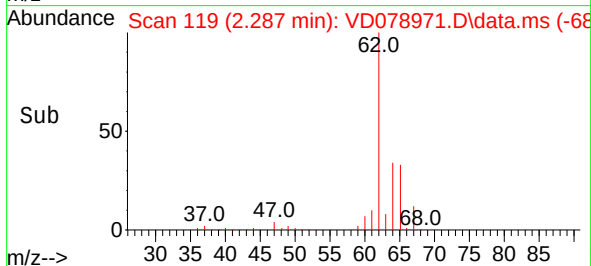
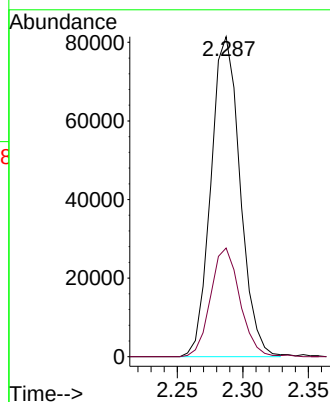
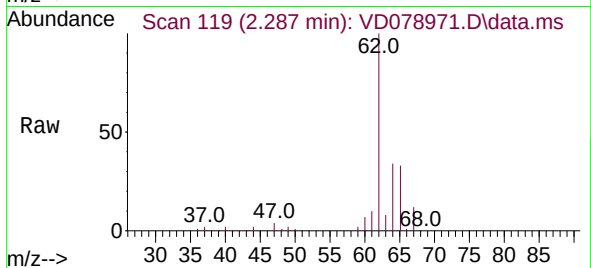




#5
 Vinyl chloride
 Concen: 23.478 ug/L
 RT: 2.287 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VD078971.D
 Acq: 20 May 2024 16:44

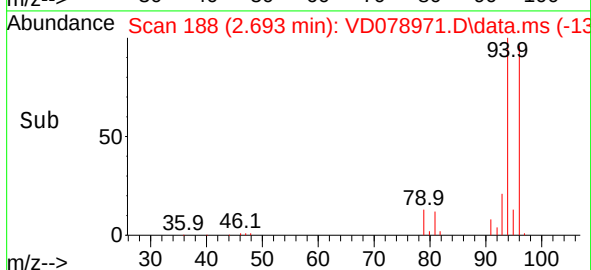
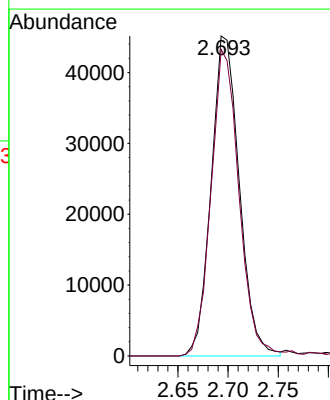
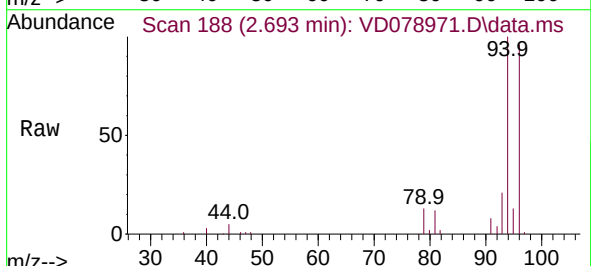
Instrument :
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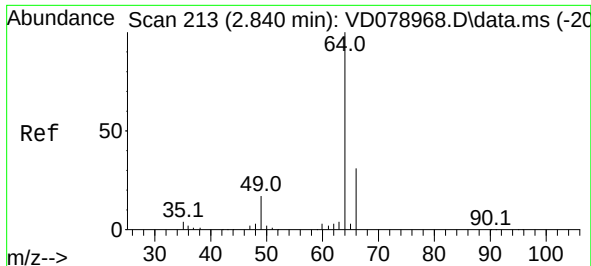
Tgt Ion: 62 Resp: 126038
 Ion Ratio Lower Upper
 62 100
 64 33.9 22.3 41.3



#6
 Bromomethane
 Concen: 22.963 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. -0.006 min
 Lab File: VD078971.D
 Acq: 20 May 2024 16:44

Tgt Ion: 94 Resp: 88158
 Ion Ratio Lower Upper
 94 100
 96 95.7 69.0 128.1

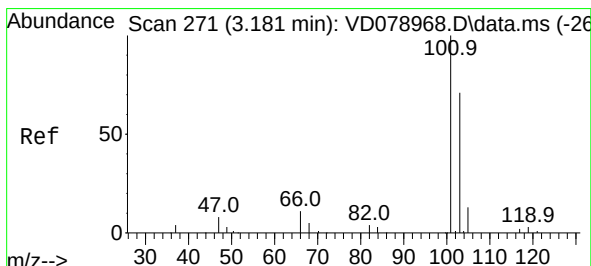
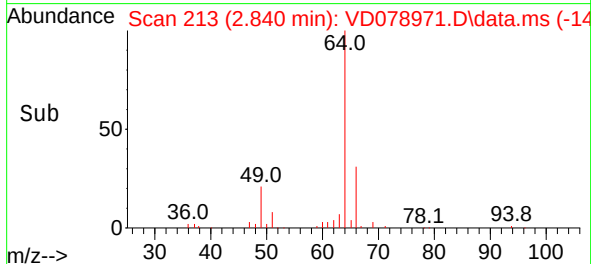
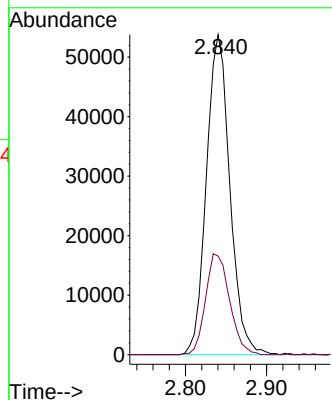
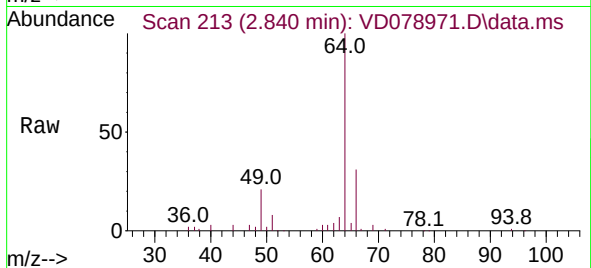




#8
Chloroethane
Concen: 26.050 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

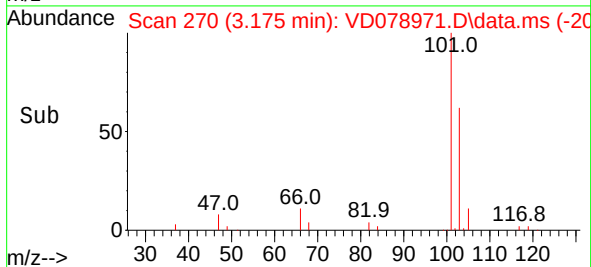
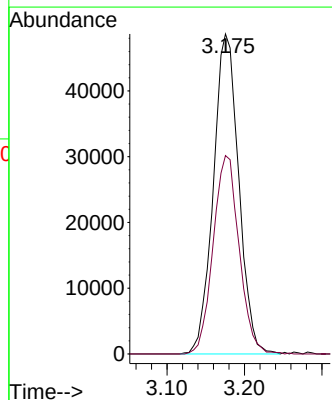
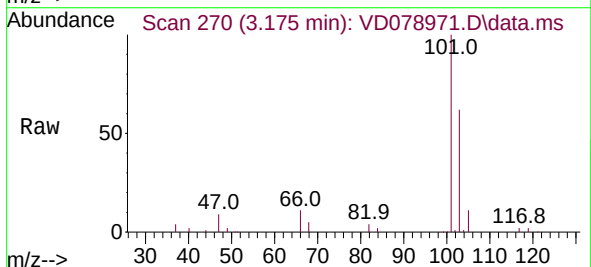
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MSVOA_D
ClientSampleId :

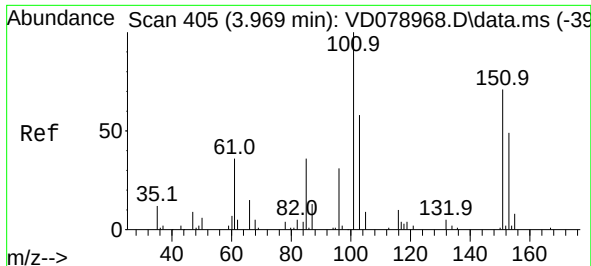
Tgt Ion: 64 Resp: 108005
Ion Ratio Lower Upper
64 100
66 30.8 21.5 39.9



#9
Trichlorofluoromethane
Concen: 26.465 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.006 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

Tgt Ion:101 Resp: 110805
Ion Ratio Lower Upper
101 100
103 63.4 51.9 77.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 27.525 ug/L

RT: 3.964 min Scan# 405

Delta R.T. -0.006 min

Lab File: VD078971.D

Acq: 20 May 2024 16:44

Instrument :

MSVOA_D

ClientSampleId :

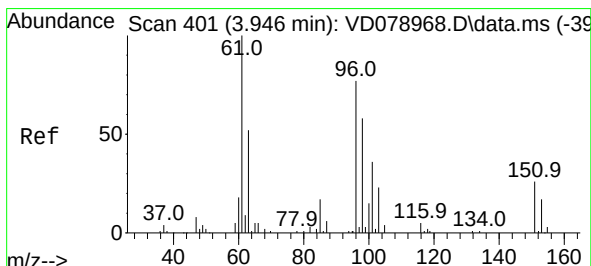
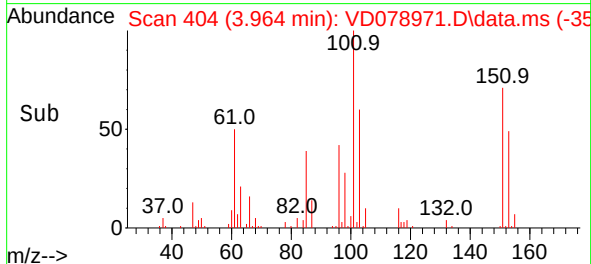
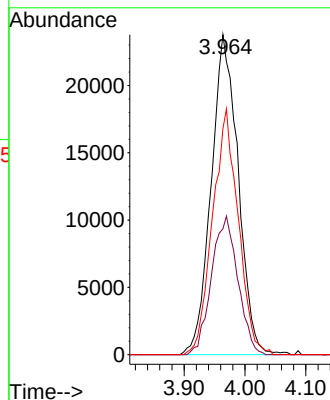
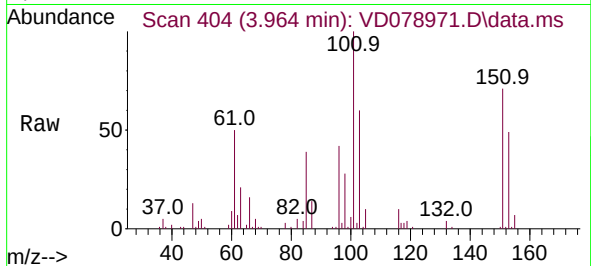
Tgt Ion:101 Resp: 73052

Ion Ratio Lower Upper

101 100

85 42.3 36.2 54.2

151 73.2 62.9 94.3



#12

1,1-Dichloroethene

Concen: 24.656 ug/L

RT: 3.940 min Scan# 400

Delta R.T. -0.006 min

Lab File: VD078971.D

Acq: 20 May 2024 16:44

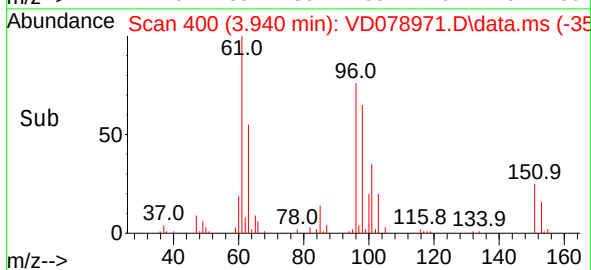
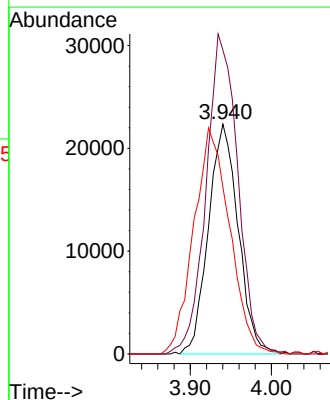
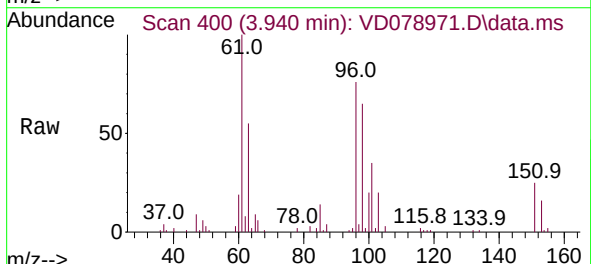
Tgt Ion: 96 Resp: 56976

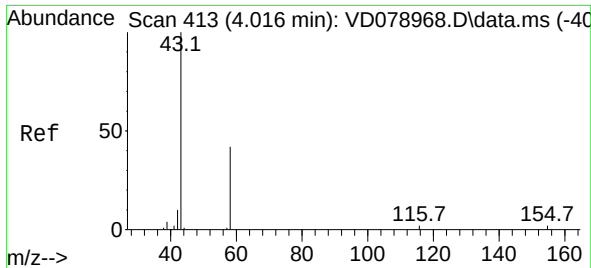
Ion Ratio Lower Upper

96 100

61 132.1 98.6 183.0

63 72.5 68.3 126.8

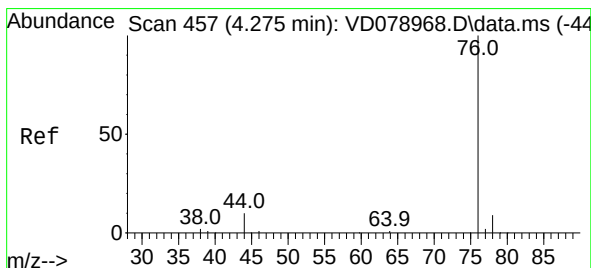
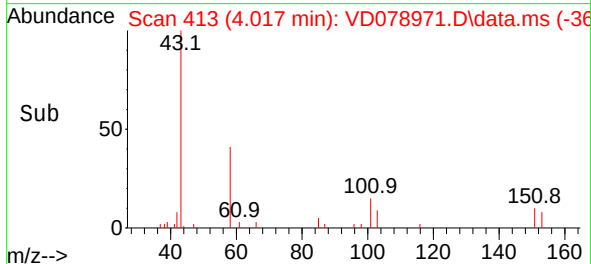
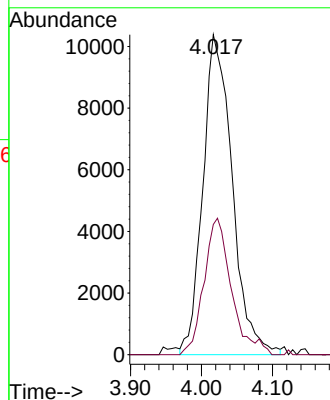
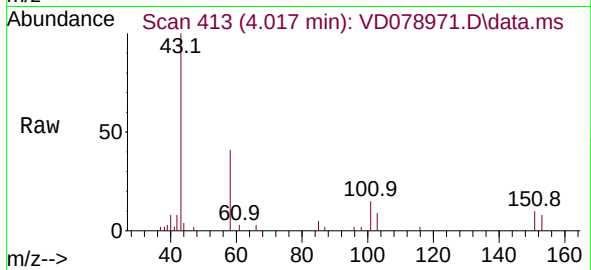




#13
Acetone
Concen: 53.176 ug/L
RT: 4.017 min Scan# 413
Delta R.T. 0.000 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

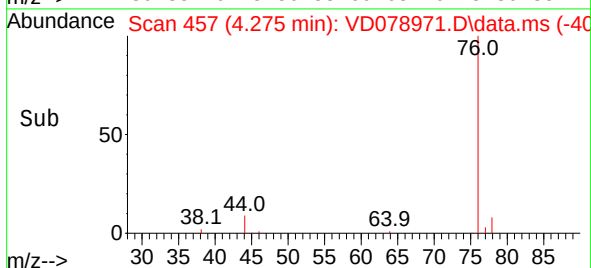
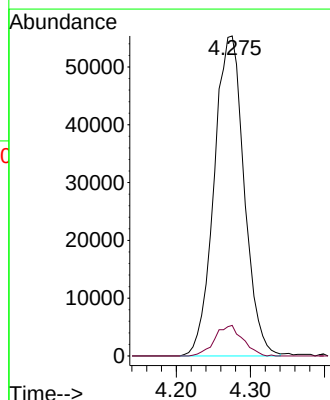
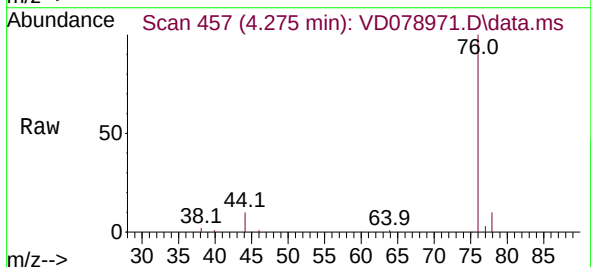
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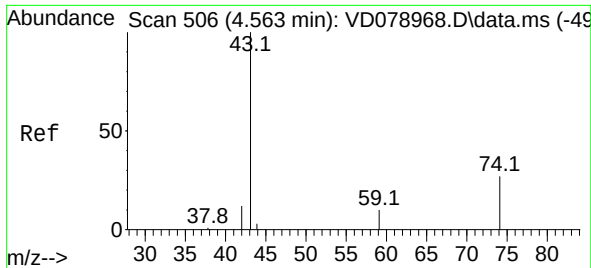
Tgt Ion: 43 Resp: 29788
Ion Ratio Lower Upper
43 100
58 38.8 0.0 75.0



#14
Carbon disulfide
Concen: 23.263 ug/L
RT: 4.275 min Scan# 457
Delta R.T. 0.000 min
Lab File: VD078971.D
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Tgt Ion: 76 Resp: 155780
Ion Ratio Lower Upper
76 100
78 9.5 6.5 9.7

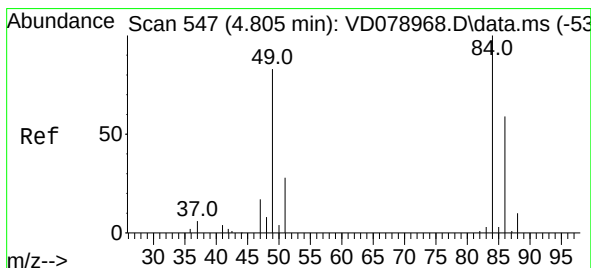
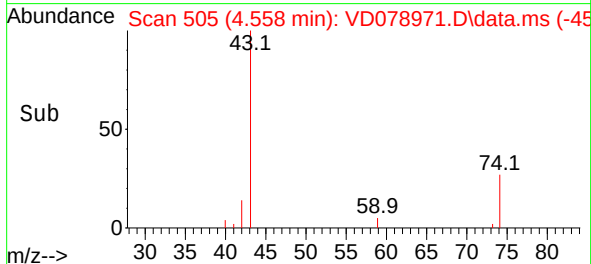
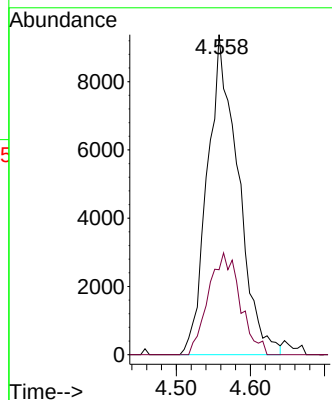
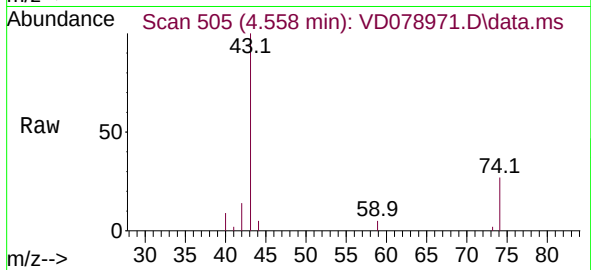




#15
Methyl Acetate
Concen: 29.543 ug/L
RT: 4.558 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

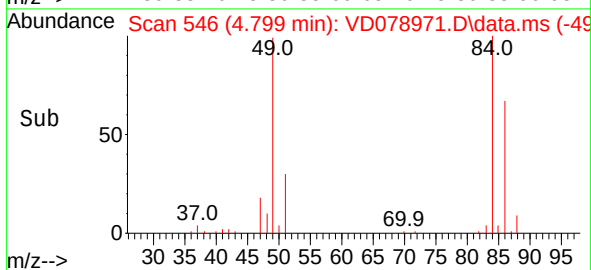
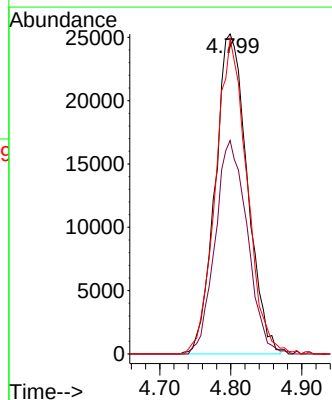
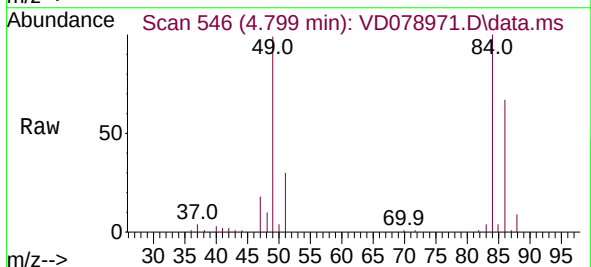
Instrument :
MSVOA_D
ClientSampleId :

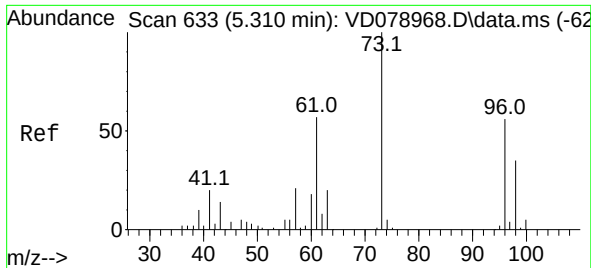
Tgt Ion: 43 Resp: 26889
Ion Ratio Lower Upper
43 100
74 32.4 25.1 37.7



#16
Methylene chloride
Concen: 25.069 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

Tgt Ion: 84 Resp: 79363
Ion Ratio Lower Upper
84 100
86 66.7 43.7 81.1
49 98.5 64.0 119.0





#17

trans-1,2-Dichloroethene

Concen: 27.942 ug/L

RT: 5.311 min Scan# 633

Delta R.T. 0.000 min

Lab File: VD078971.D

Acq: 20 May 2024 16:44

Instrument :

MSVOA_D

ClientSampleId :

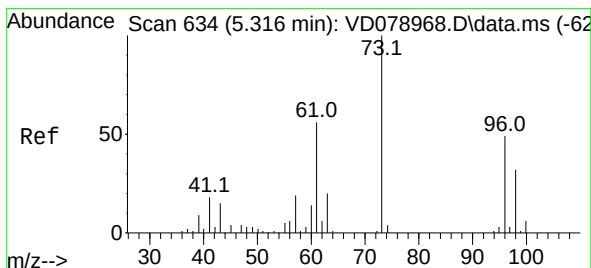
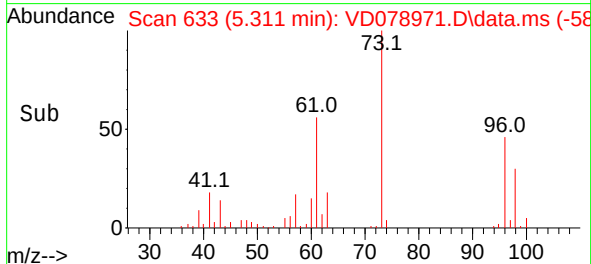
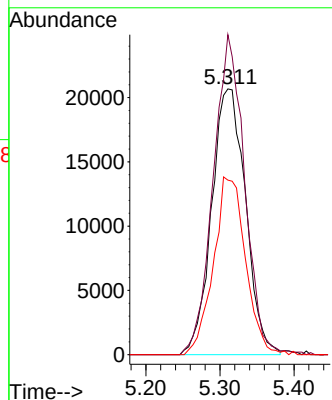
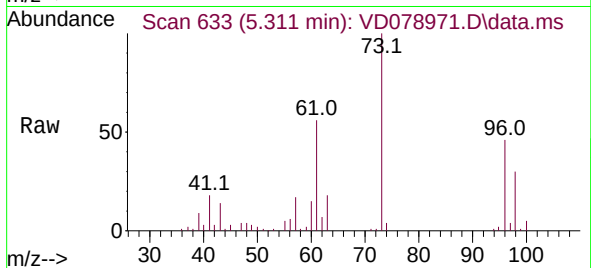
Tgt Ion: 96 Resp: 65746

Ion Ratio Lower Upper

96 100

61 120.4 75.5 140.1

98 65.7 39.1 72.7



#18

Methyl tert-butyl Ether

Concen: 30.755 ug/L

RT: 5.311 min Scan# 633

Delta R.T. -0.006 min

Lab File: VD078971.D

Acq: 20 May 2024 16:44

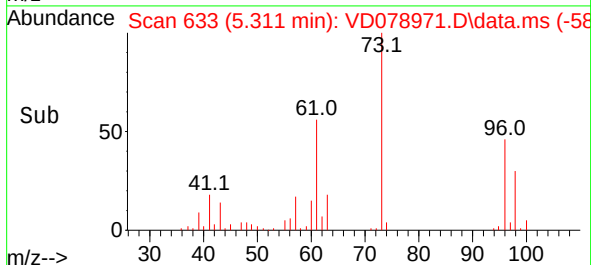
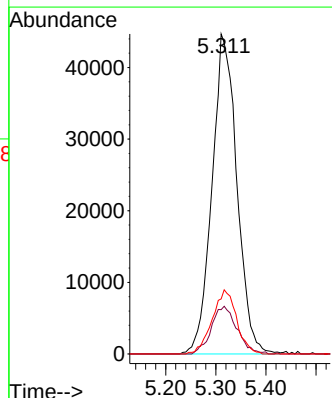
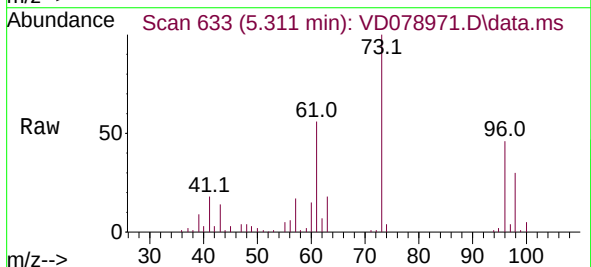
Tgt Ion: 73 Resp: 154177

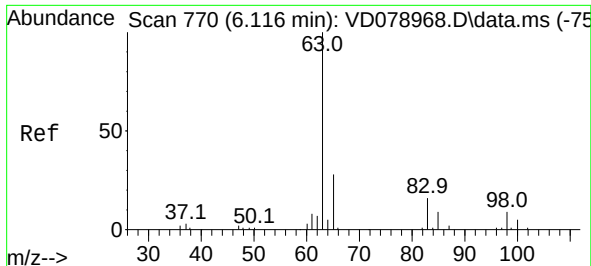
Ion Ratio Lower Upper

73 100

43 15.3 6.7 10.1#

57 19.5 16.8 25.2





#19

1,1-Dichloroethane

Concen: 29.651 ug/L

RT: 6.111 min Scan# 7

Delta R.T. -0.006 min

Lab File: VD078971.D

Acq: 20 May 2024 16:44

Instrument :

MSVOA_D

ClientSampleId :

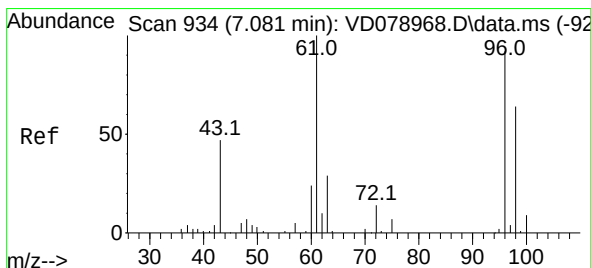
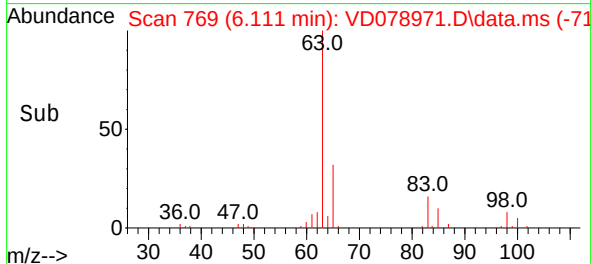
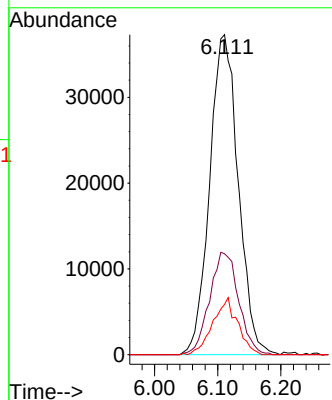
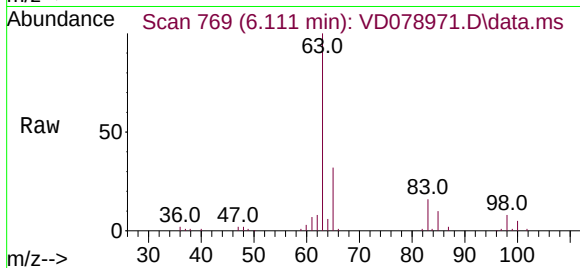
Tgt Ion: 63 Resp: 117184

Ion Ratio Lower Upper

63 100

65 31.6 23.5 43.7

83 15.7 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 28.521 ug/L

RT: 7.075 min Scan# 933

Delta R.T. -0.006 min

Lab File: VD078971.D

Acq: 20 May 2024 16:44

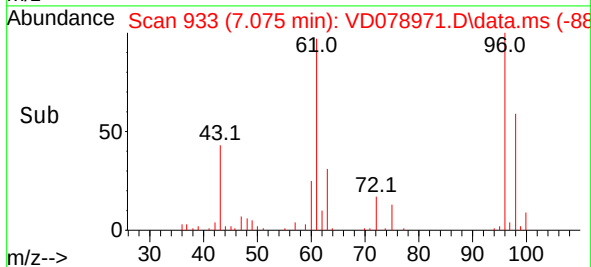
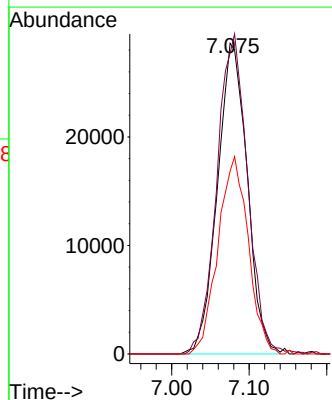
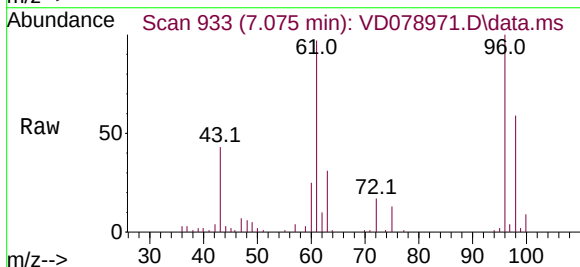
Tgt Ion: 96 Resp: 76545

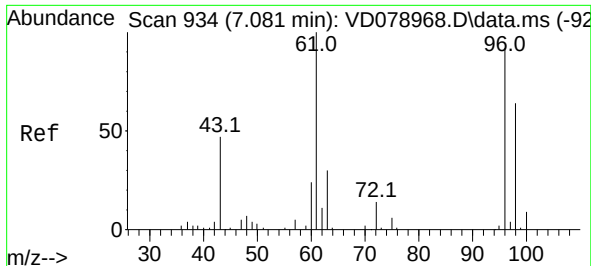
Ion Ratio Lower Upper

96 100

61 96.9 71.6 133.0

98 58.9 40.1 74.5

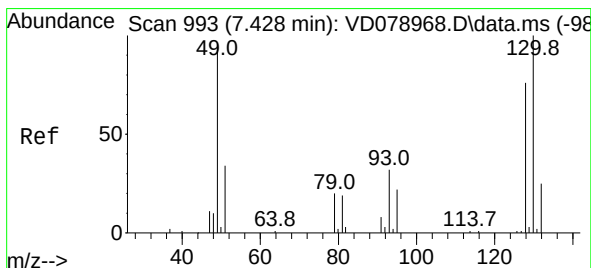
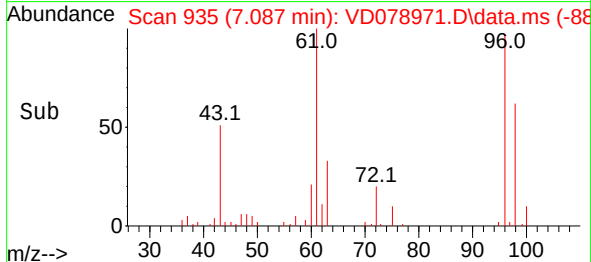
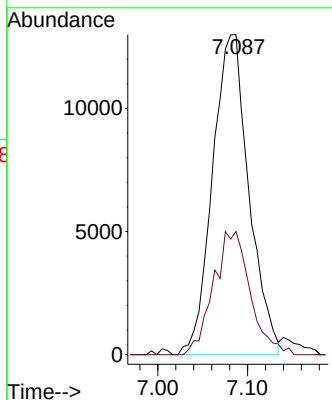
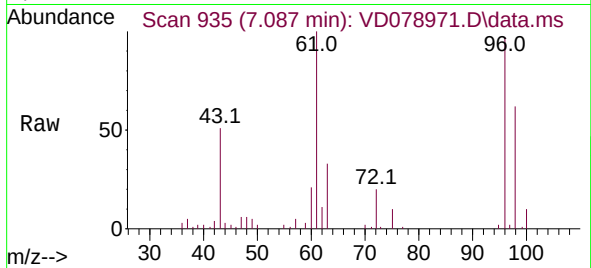




#22
2-Butanone
Concen: 56.845 ug/L
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

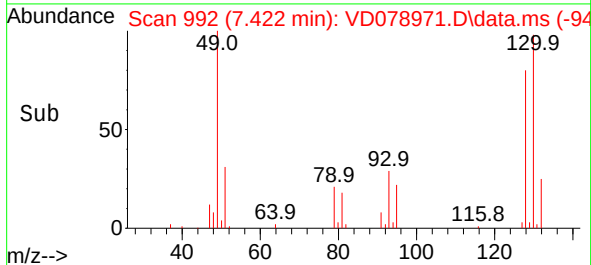
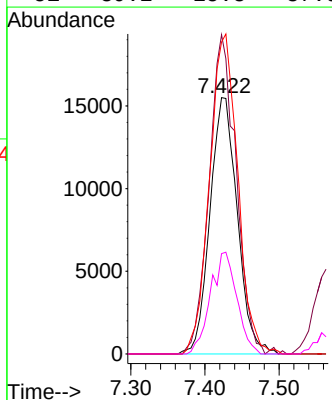
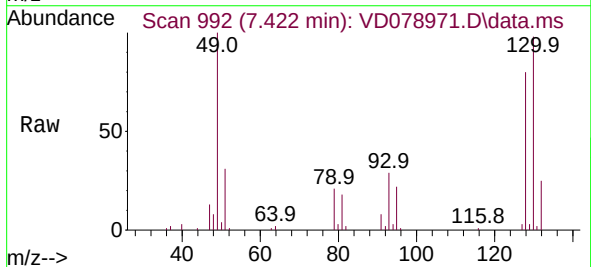
Instrument :
MSVOA_D
ClientSampleId :

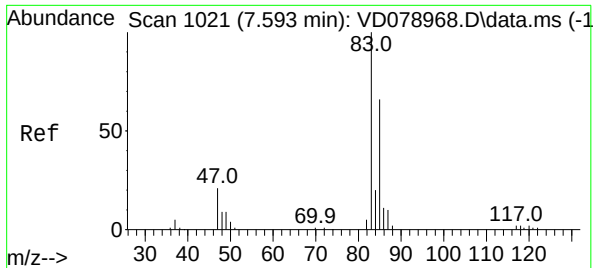
Tgt Ion: 43 Resp: 36611
Ion Ratio Lower Upper
43 100
72 38.9 17.1 51.2



#23
Bromochloromethane
Concen: 29.641 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.006 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

Tgt Ion:128 Resp: 39749
Ion Ratio Lower Upper
128 100
49 124.5 77.3 143.5
130 121.7 83.4 154.8
51 39.2 25.3 37.9#

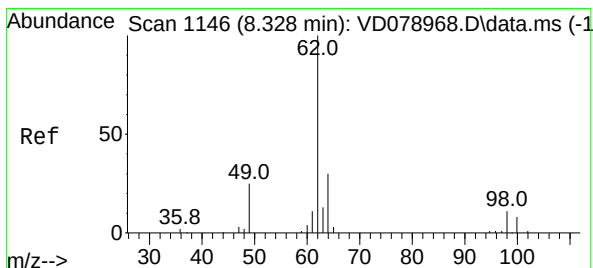
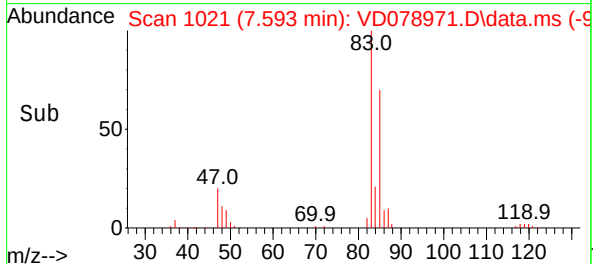
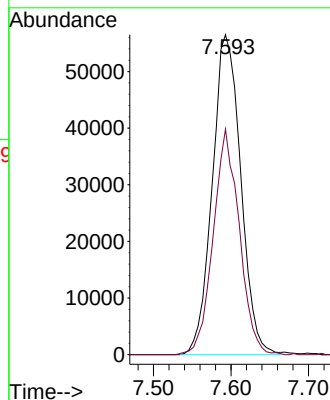
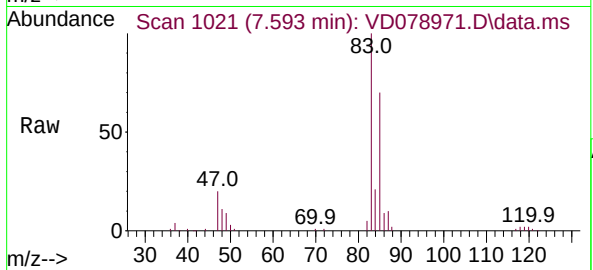




#25
Chloroform
Concen: 30.379 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

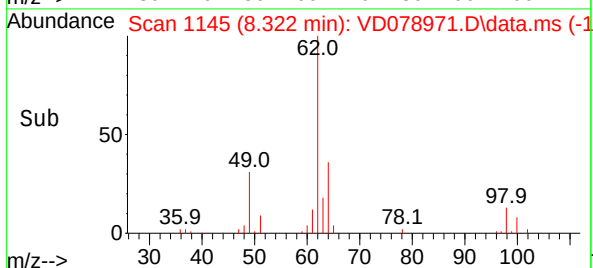
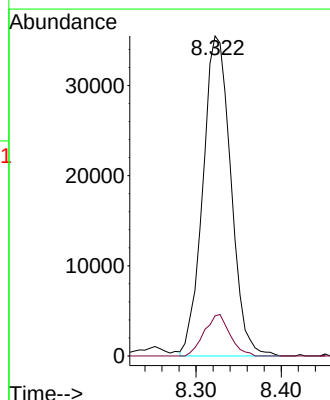
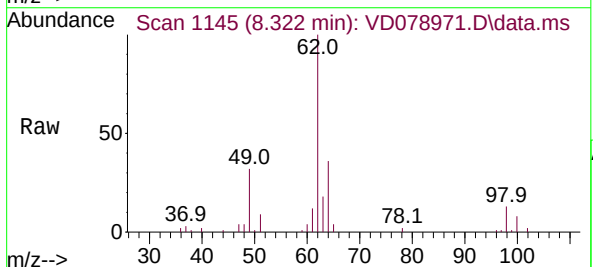
Instrument :
MSVOA_D
ClientSampleId :

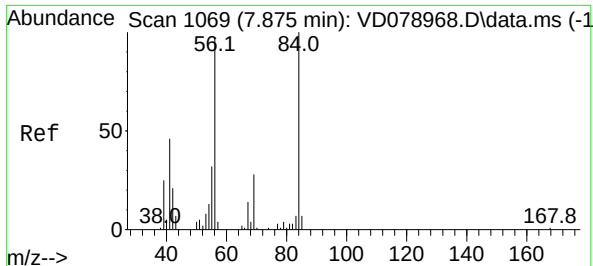
Tgt Ion: 83 Resp: 144307
Ion Ratio Lower Upper
83 100
85 70.5 41.8 77.6



#27
1,2-Dichloroethane
Concen: 29.438 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

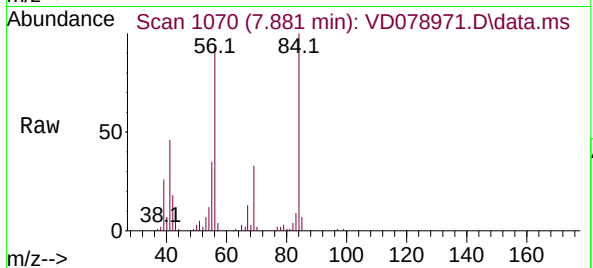
Tgt Ion: 62 Resp: 80994
Ion Ratio Lower Upper
62 100
98 12.5 10.2 15.4



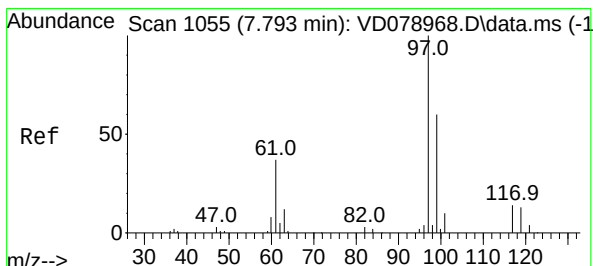
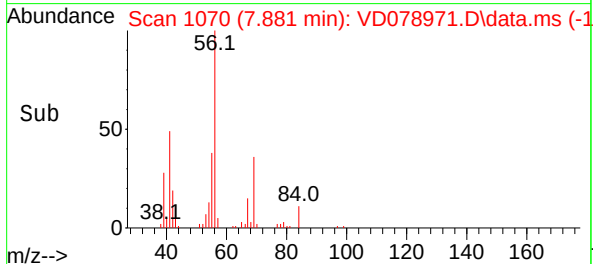
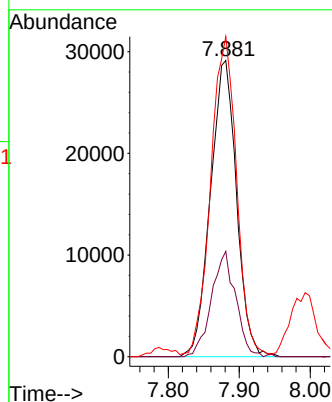


#29
Cyclohexane
Concen: 27.237 ug/L
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

Instrument :
MSVOA_D
ClientSampleId :

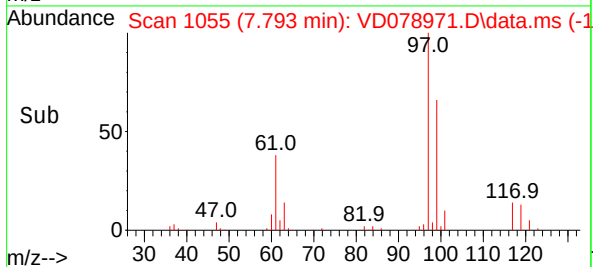
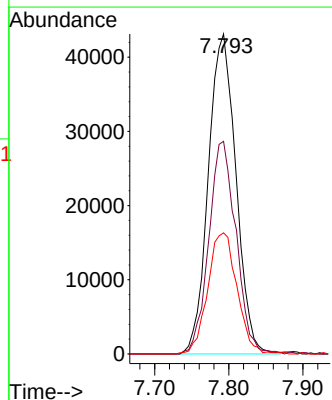
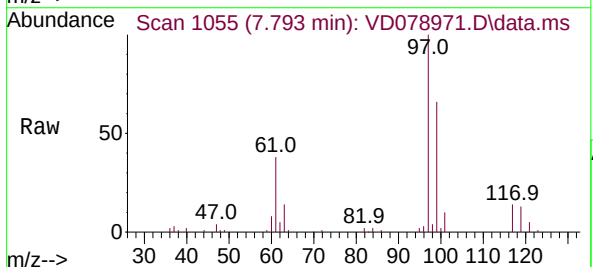


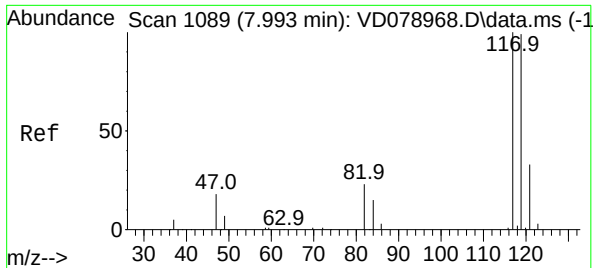
Tgt Ion: 56 Resp: 74258
Ion Ratio Lower Upper
56 100
69 32.9 25.2 37.8
84 107.5 83.4 125.2



#30
1,1,1-Trichloroethane
Concen: 28.452 ug/L
RT: 7.793 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

Tgt Ion: 97 Resp: 111668
Ion Ratio Lower Upper
97 100
99 65.6 52.6 78.8
61 39.8 32.6 48.8

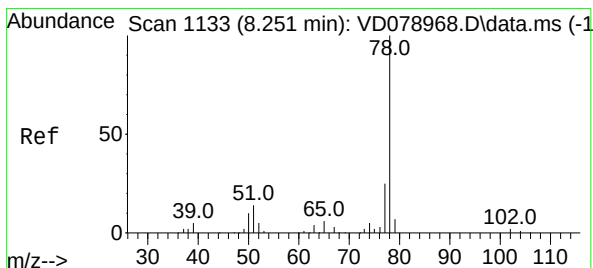
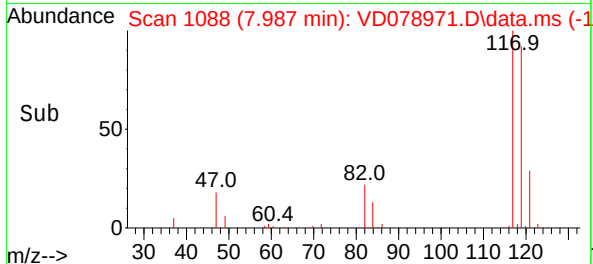
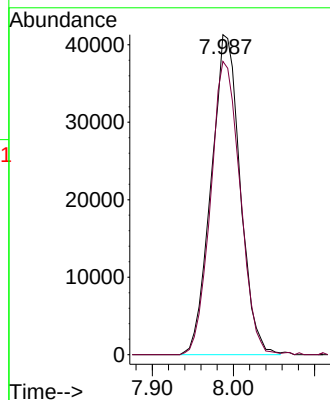
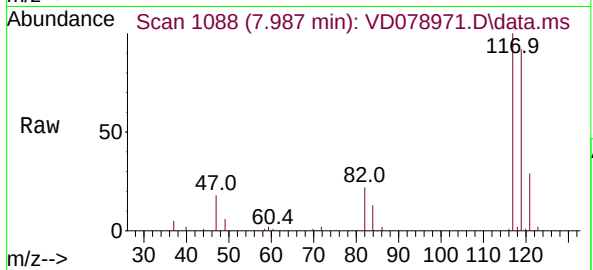




#31
Carbon tetrachloride
Concen: 28.391 ug/L
RT: 7.987 min Scan# 110
Delta R.T. -0.006 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

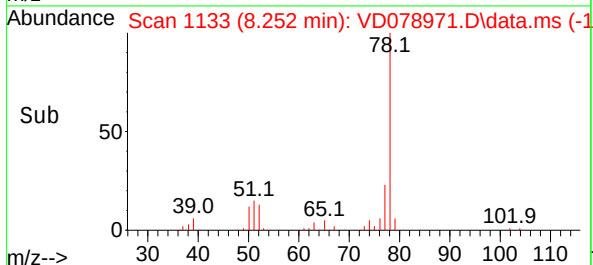
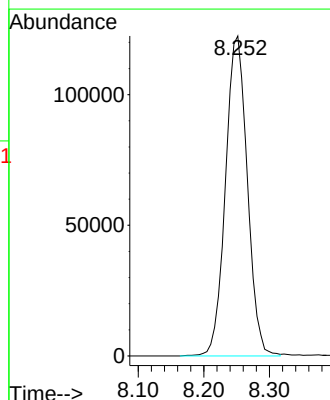
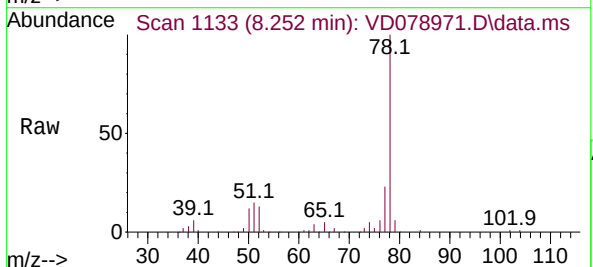
Instrument :
MSVOA_D
ClientSampleId :

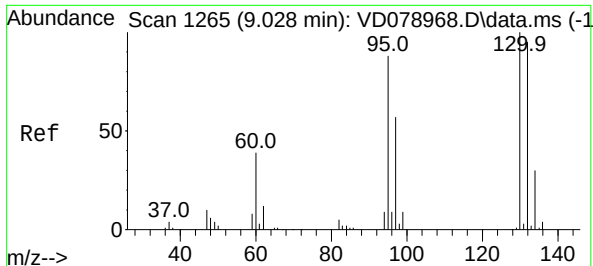
Tgt Ion:117 Resp: 102600
Ion Ratio Lower Upper
117 100
119 92.9 77.7 116.5



#33
Benzene
Concen: 29.116 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

Tgt Ion: 78 Resp: 283120





#34

Trichloroethene

Concen: 28.154 ug/L

RT: 9.022 min Scan# 1264

Delta R.T. -0.006 min

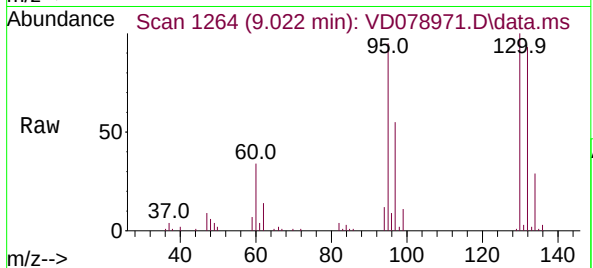
Lab File: VD078971.D

Acq: 20 May 2024 16:44

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 95 Resp: 70530

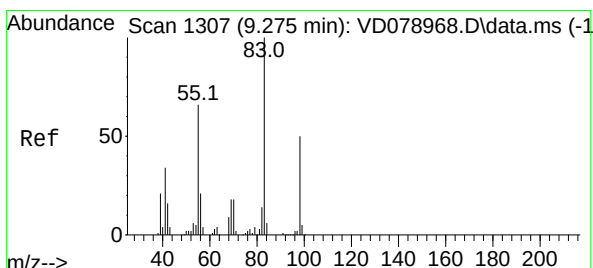
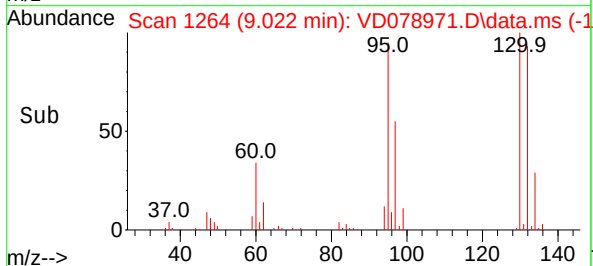
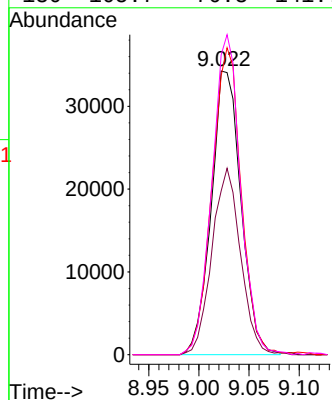
Ion Ratio Lower Upper

95 100

97 57.7 42.6 79.2

132 98.3 69.5 129.1

130 105.7 76.3 141.7



#35

Methylcyclohexane

Concen: 26.778 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VD078971.D

Acq: 20 May 2024 16:44

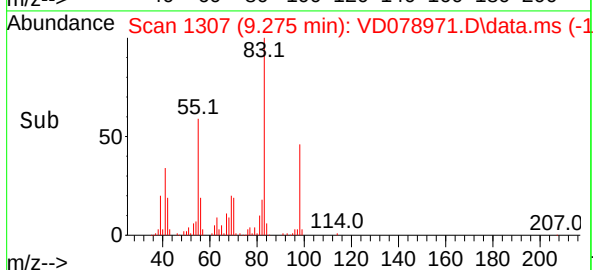
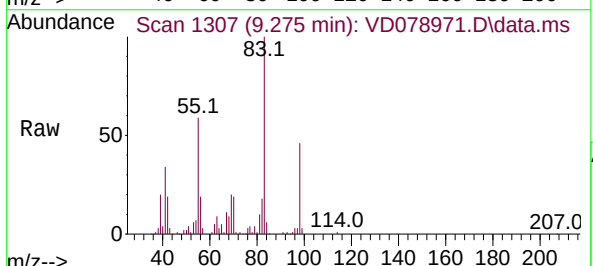
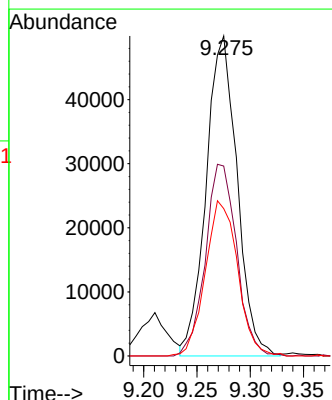
Tgt Ion: 83 Resp: 100851

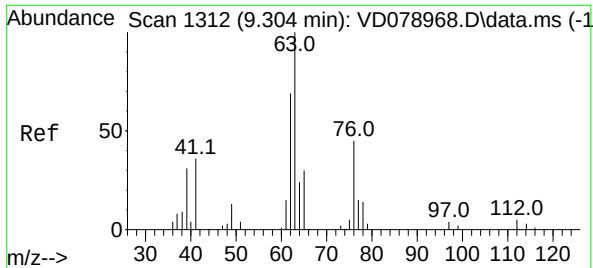
Ion Ratio Lower Upper

83 100

55 60.3 49.0 73.6

98 50.6 40.1 60.1

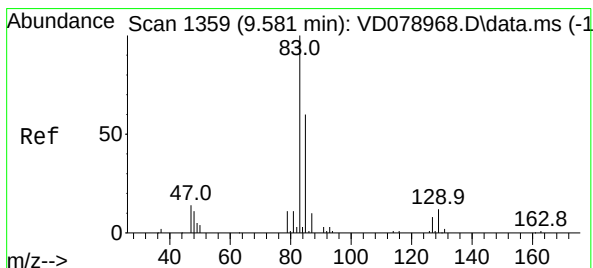
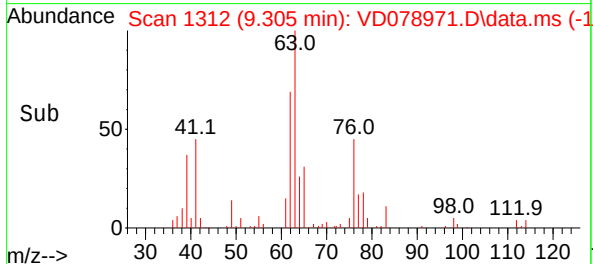
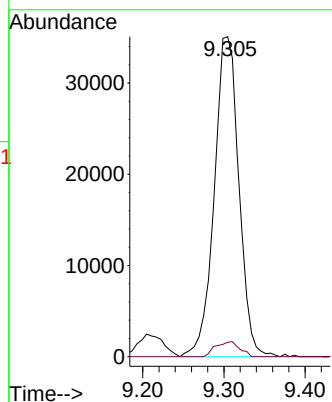
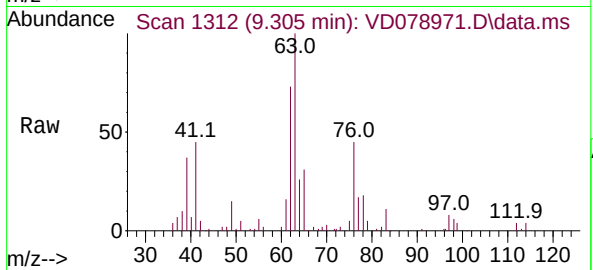




#37
1,2-Dichloropropane
Concen: 30.028 ug/L
RT: 9.305 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

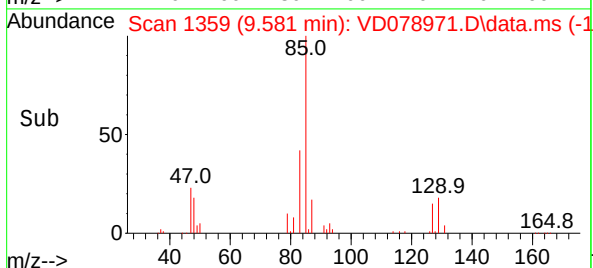
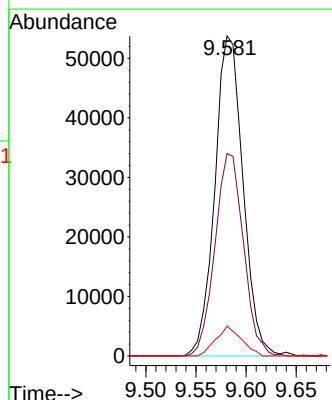
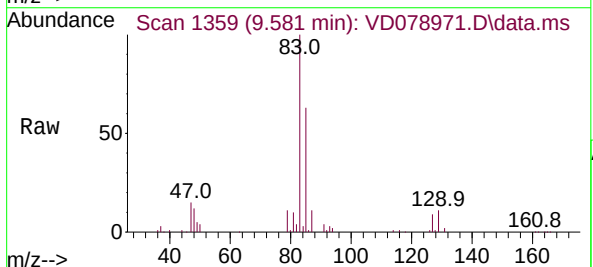
Instrument :
MSVOA_D
ClientSampleId :

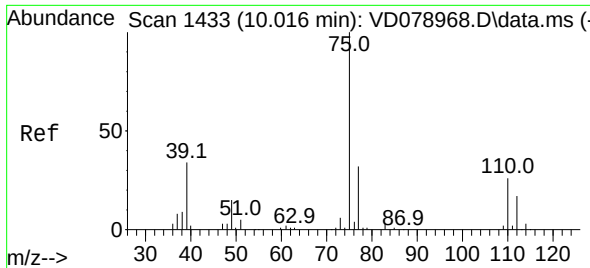
Tgt Ion: 63 Resp: 73998
Ion Ratio Lower Upper
63 100
112 4.6 4.1 6.1



#38
Bromodichloromethane
Concen: 30.142 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

Tgt Ion: 83 Resp: 105036
Ion Ratio Lower Upper
83 100
85 63.3 45.4 84.4
127 9.4 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 29.328 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD078971.D

Acq: 20 May 2024 16:44

Instrument :

MSVOA_D

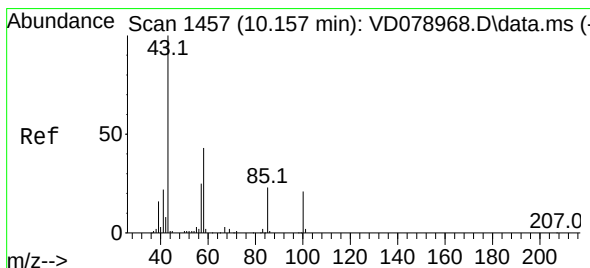
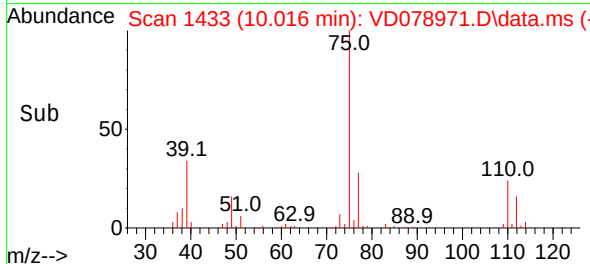
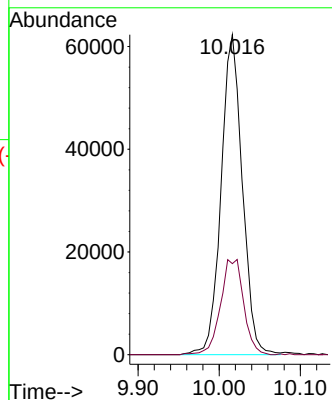
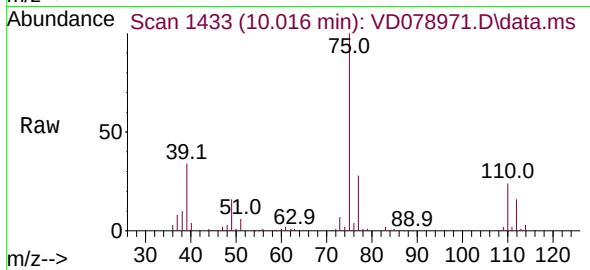
ClientSampleId :

Tgt Ion: 75 Resp: 113374

Ion Ratio Lower Upper

75 100

77 28.5 20.0 37.2



#40

4-Methyl-2-pentanone

Concen: 65.126 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD078971.D

Acq: 20 May 2024 16:44

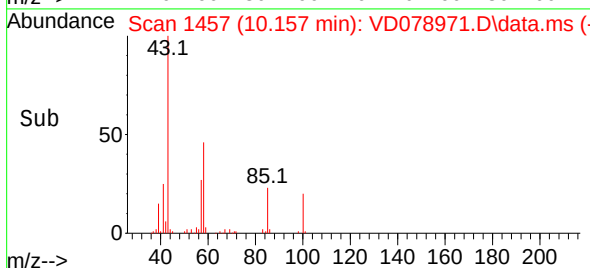
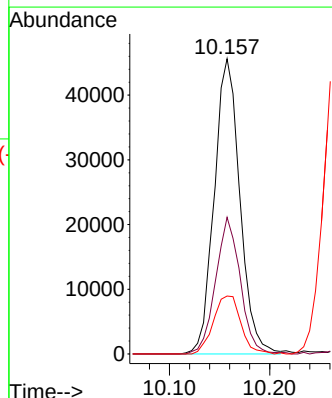
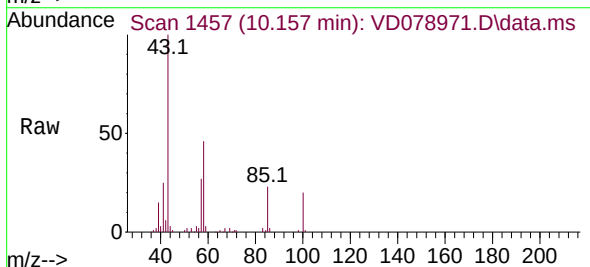
Tgt Ion: 43 Resp: 81065

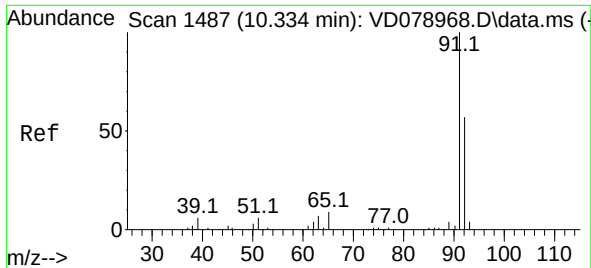
Ion Ratio Lower Upper

43 100

58 44.2 38.0 57.0

100 21.0 17.3 25.9





#42

Toluene

Concen: 29.913 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD078971.D

Acq: 20 May 2024 16:44

Instrument :

MSVOA_D

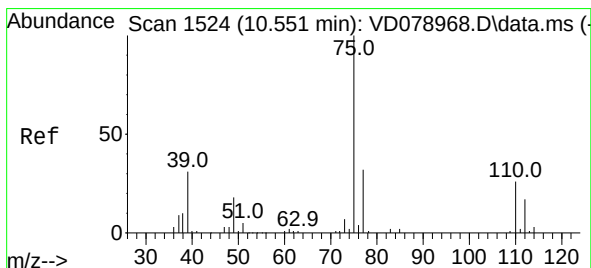
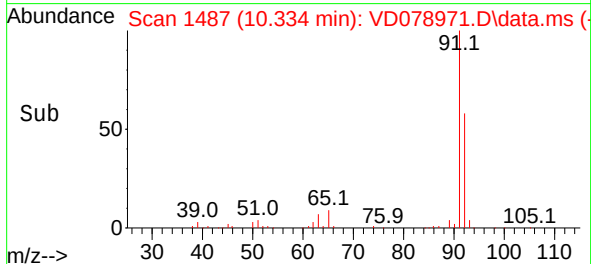
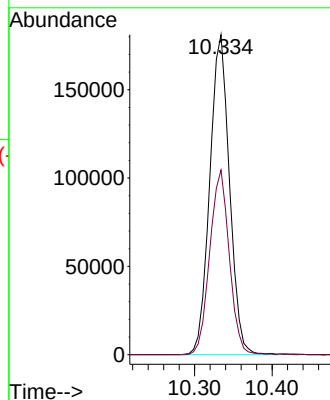
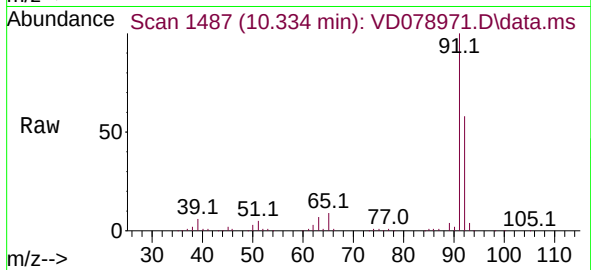
ClientSampleId :

Tgt Ion: 91 Resp: 319790

Ion Ratio Lower Upper

91 100

92 57.7 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 30.654 ug/L

RT: 10.552 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD078971.D

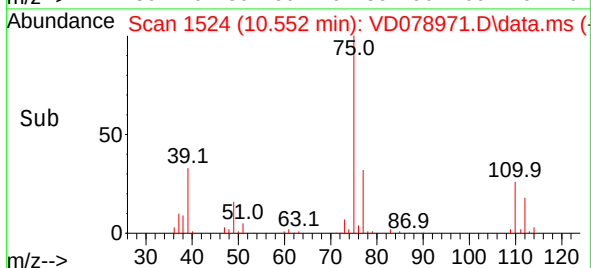
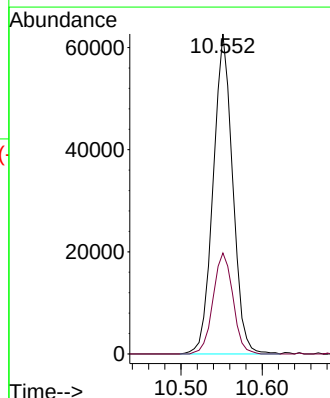
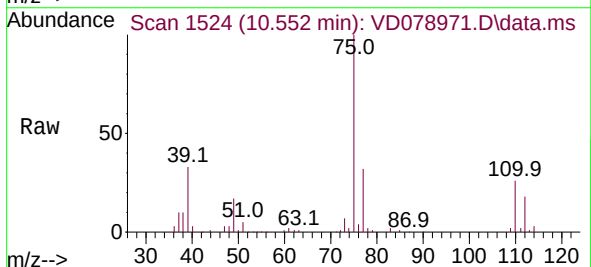
Acq: 20 May 2024 16:44

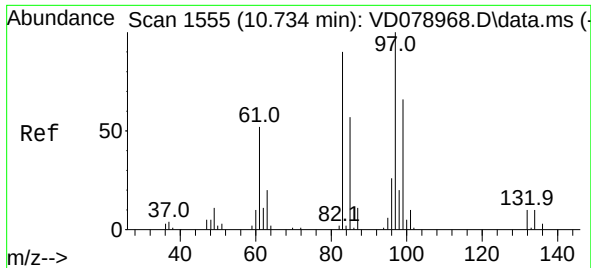
Tgt Ion: 75 Resp: 104762

Ion Ratio Lower Upper

75 100

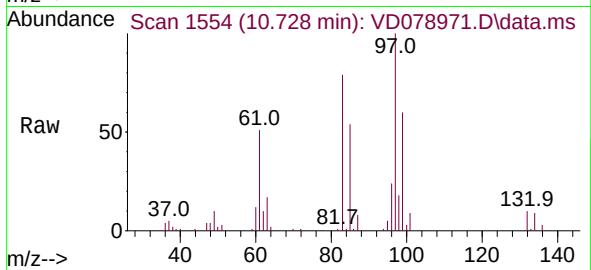
77 31.6 21.8 40.4





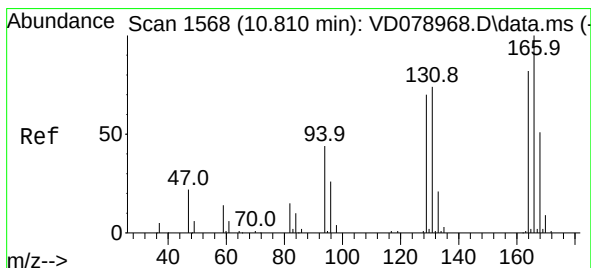
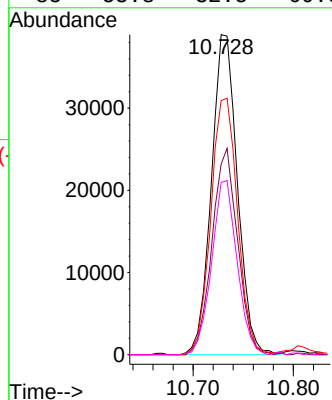
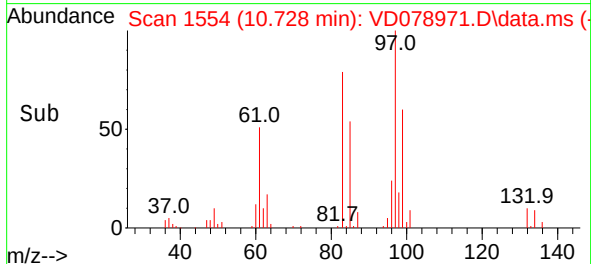
#45
1,1,2-Trichloroethane
Concen: 31.177 ug/L
RT: 10.728 min Scan# 1554
Delta R.T. -0.006 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

Instrument :
MSVOA_D
ClientSampleId :

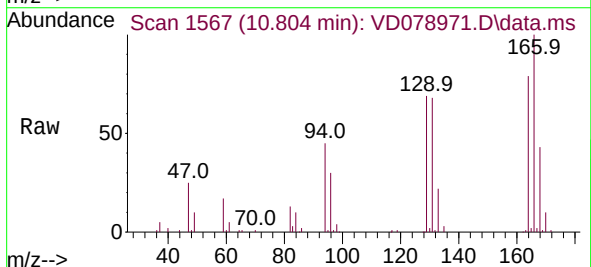


Tgt Ion: 97 Resp: 70254

Ion	Ratio	Lower	Upper
97	100		
99	59.6	39.1	72.7
83	79.4	54.6	101.4
85	53.8	32.5	60.3

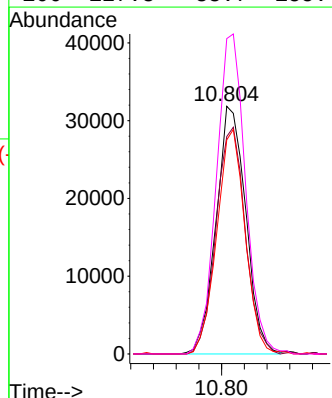
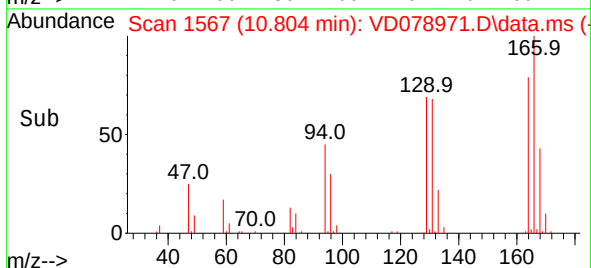


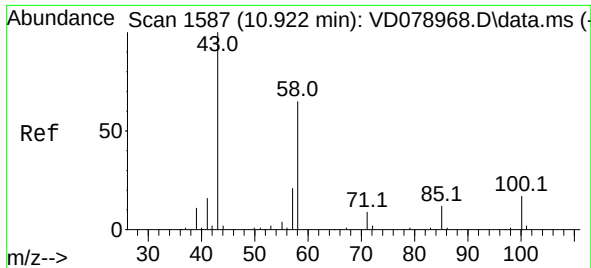
#46
Tetrachloroethene
Concen: 26.838 ug/L
RT: 10.804 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44



Tgt Ion: 164 Resp: 57847

Ion	Ratio	Lower	Upper
164	100		
129	87.8	63.3	117.7
131	86.4	60.8	112.8
166	127.3	83.7	155.4

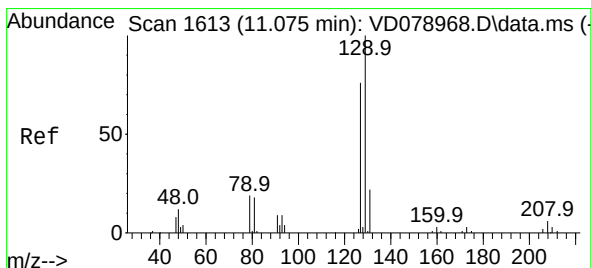
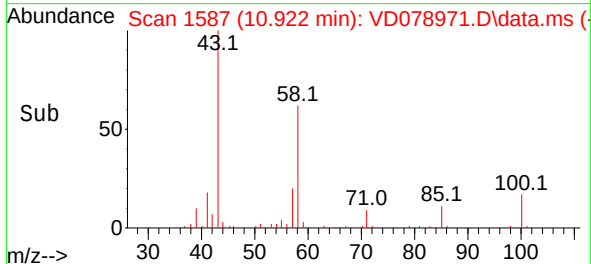
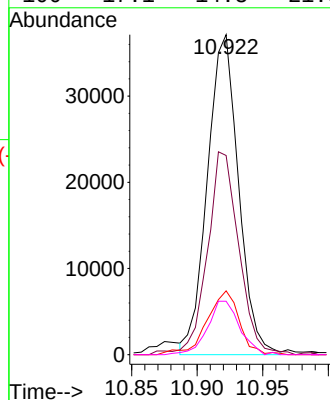
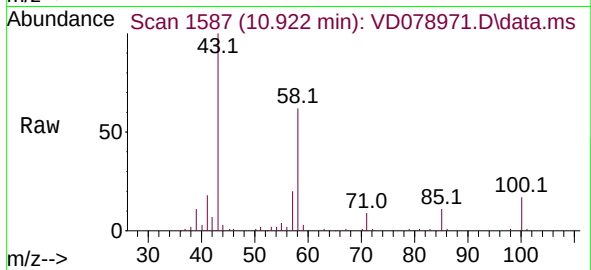




#48
2-Hexanone
Concen: 63.563 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

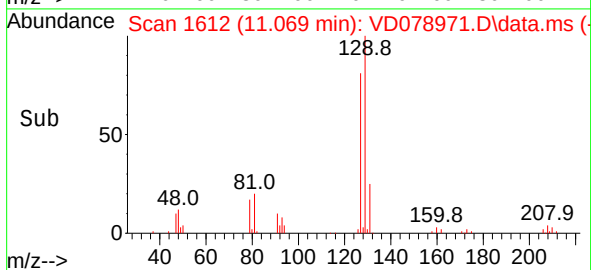
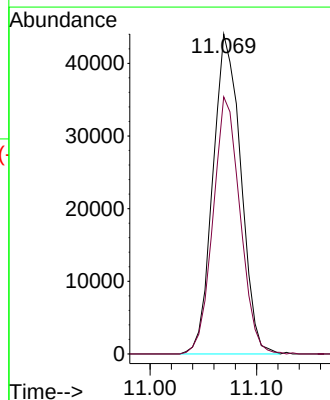
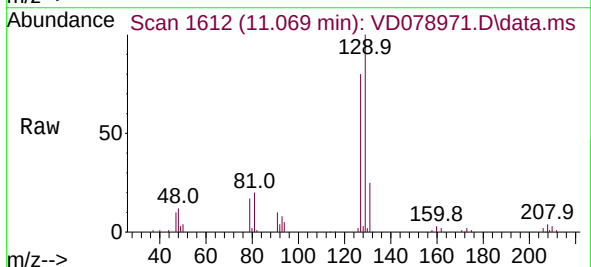
Instrument :
MSVOA_D
ClientSampleId :

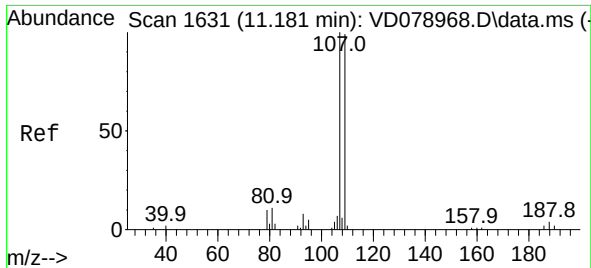
Tgt Ion: 43	Resp: 61334
Ion Ratio	Lower Upper
43 100	
58 63.6	53.4 80.2
57 19.8	17.0 25.4
100 17.1	14.3 21.5



#49
Dibromochloromethane
Concen: 29.186 ug/L
RT: 11.069 min Scan# 1612
Delta R.T. -0.006 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

Tgt Ion:129	Resp: 79956		
Ion Ratio	Lower	Upper	
129 100			
127 80.3	54.8	101.8	





#50

1,2-Dibromoethane

Concen: 29.874 ug/L

RT: 11.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078971.D

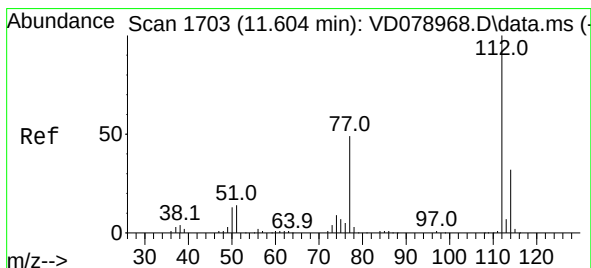
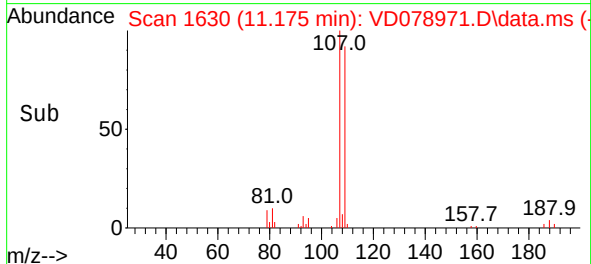
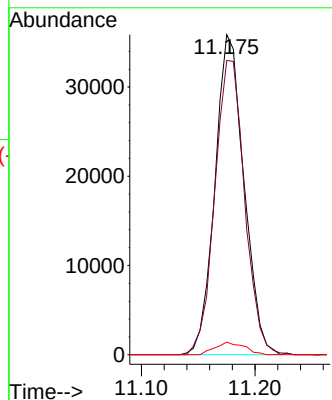
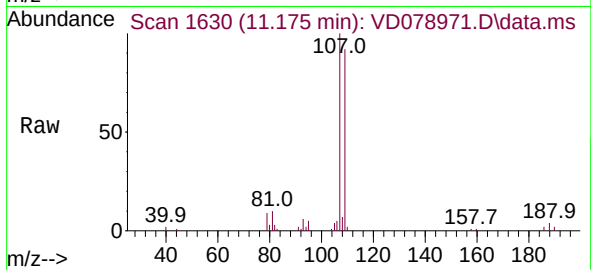
Acq: 20 May 2024 16:44

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:107	Resp: 63589
Ion Ratio	Lower Upper
107	100
109	92.0 67.0 124.4
188	3.9 3.4 5.2



#51

Chlorobenzene

Concen: 28.177 ug/L

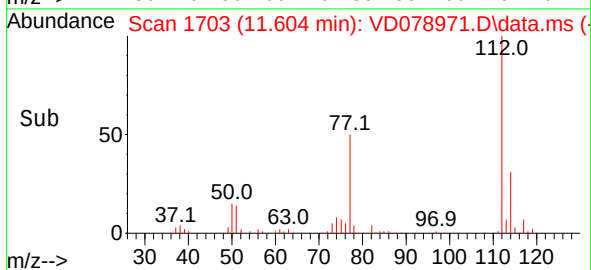
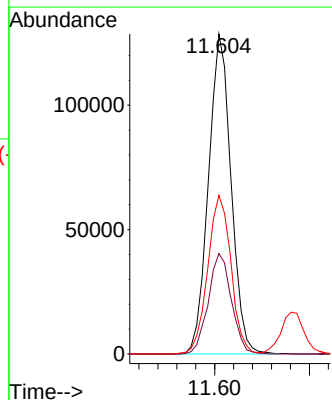
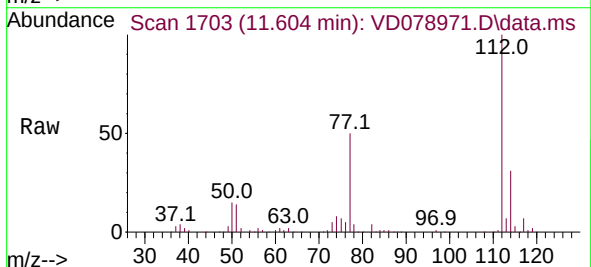
RT: 11.604 min Scan# 1703

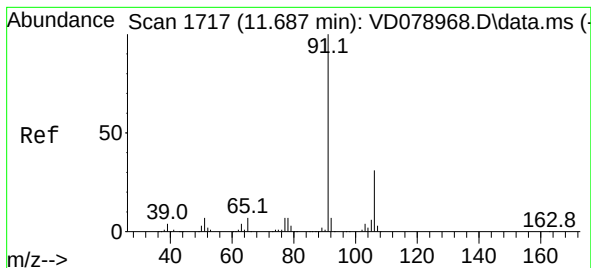
Delta R.T. 0.000 min

Lab File: VD078971.D

Acq: 20 May 2024 16:44

Tgt Ion:112	Resp: 212818
Ion Ratio	Lower Upper
112	100
114	31.4 22.5 41.9
77	49.6 39.4 59.0





#52

Ethylbenzene

Concen: 29.521 ug/L

RT: 11.681 min Scan# 1716

Delta R.T. -0.006 min

Lab File: VD078971.D

Acq: 20 May 2024 16:44

Instrument :

MSVOA_D

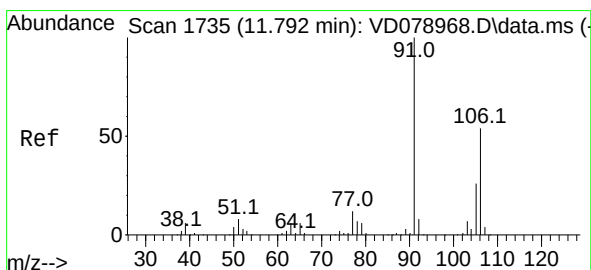
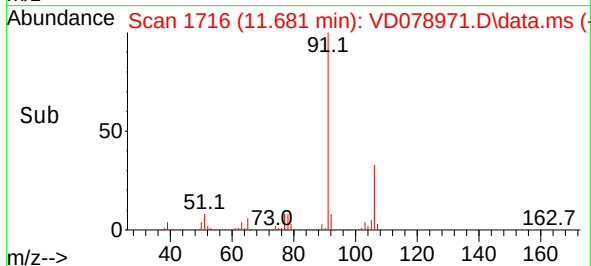
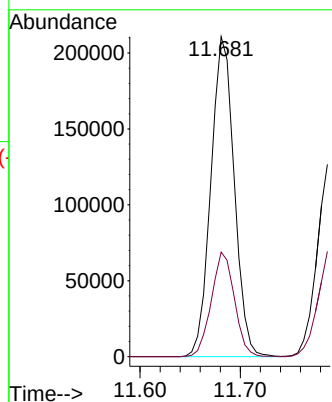
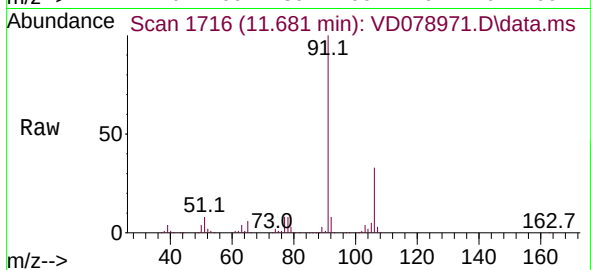
ClientSampleId :

Tgt Ion: 91 Resp: 340618

Ion Ratio Lower Upper

91 100

106 32.7 21.6 40.2



#53

m,p-Xylene

Concen: 29.228 ug/L

RT: 11.793 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD078971.D

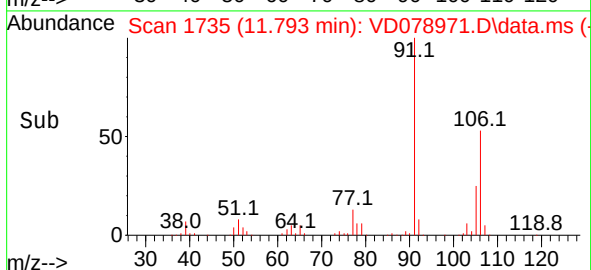
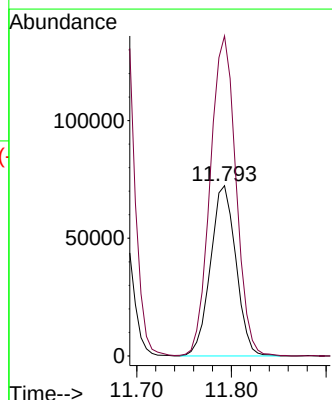
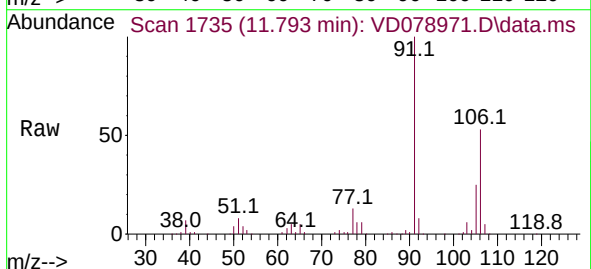
Acq: 20 May 2024 16:44

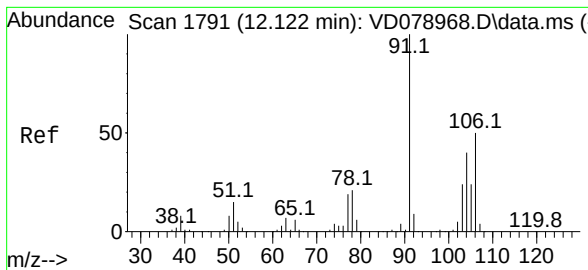
Tgt Ion:106 Resp: 134912

Ion Ratio Lower Upper

106 100

91 188.0 128.3 238.3

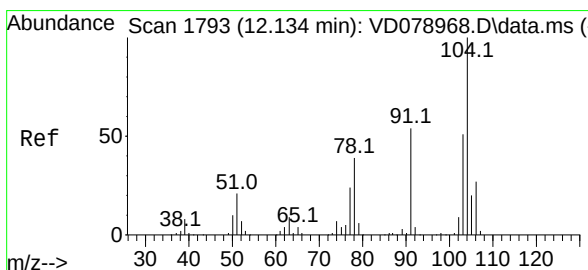
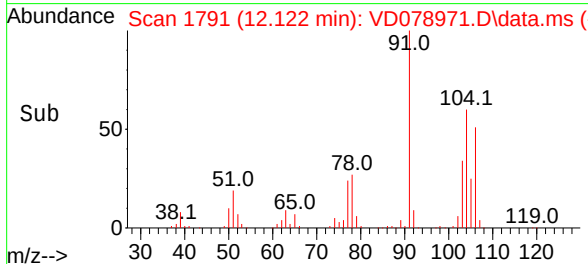
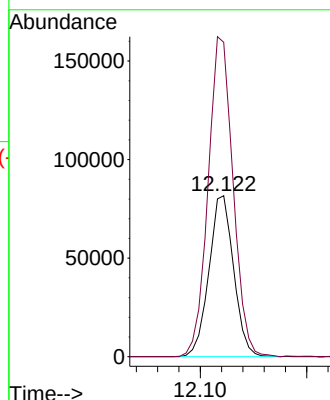
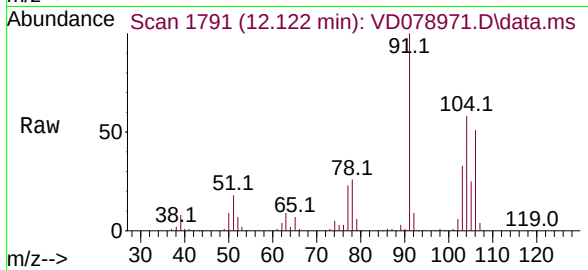




#54
o-Xylene
Concen: 29.243 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

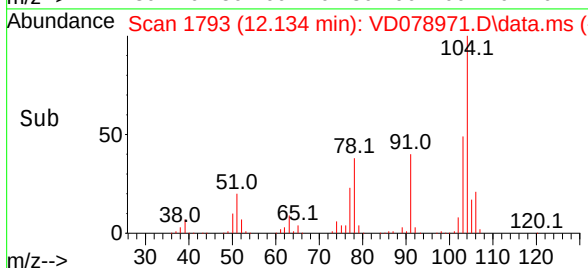
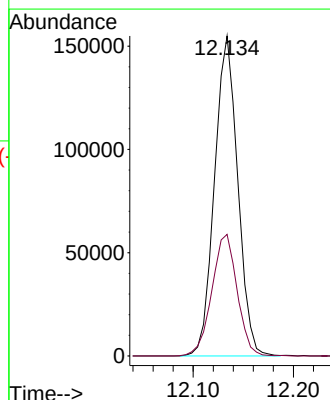
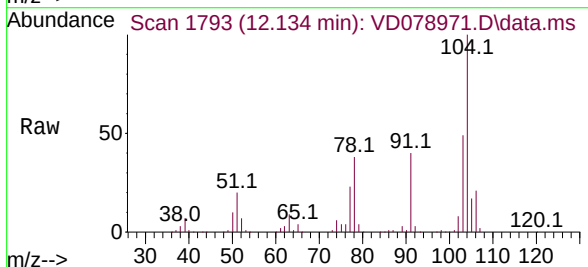
Instrument :
MSVOA_D
ClientSampleId :

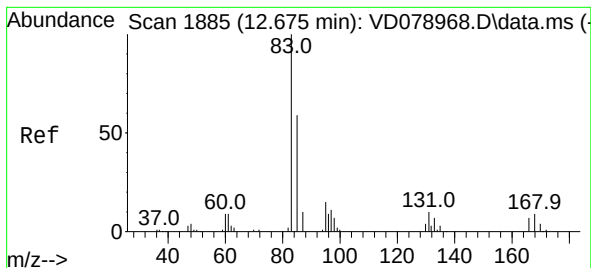
Tgt Ion:106 Resp: 131469
Ion Ratio Lower Upper
106 100
91 195.3 138.3 256.9



#55
Styrene
Concen: 31.300 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

Tgt Ion:104 Resp: 248666
Ion Ratio Lower Upper
104 100
78 38.0 27.8 51.6





#57

1,1,2,2-Tetrachloroethane

Concen: 31.562 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD078971.D

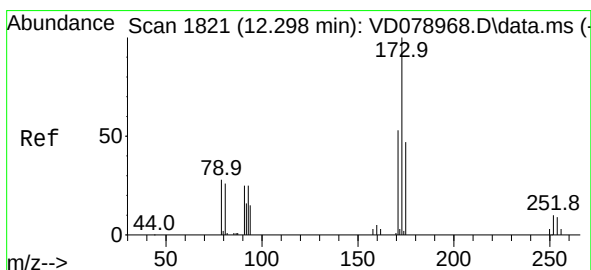
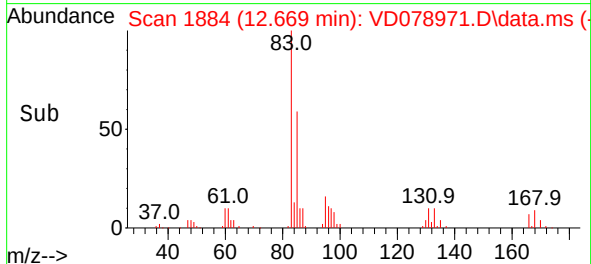
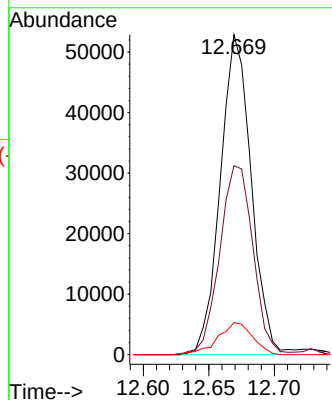
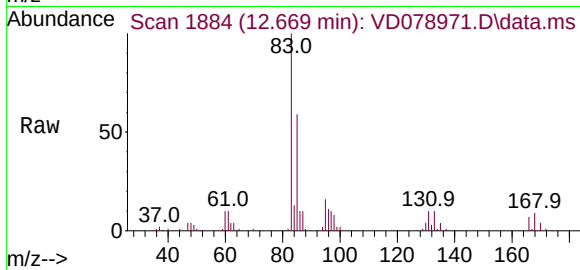
Acq: 20 May 2024 16:44

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	83	Resp:	86261
Ion Ratio	Lower	Upper	
83	100		
85	59.1	44.3	82.3
131	10.0	7.5	11.3



#59

Bromoform

Concen: 28.558 ug/L

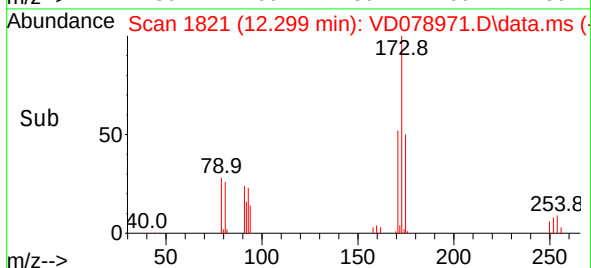
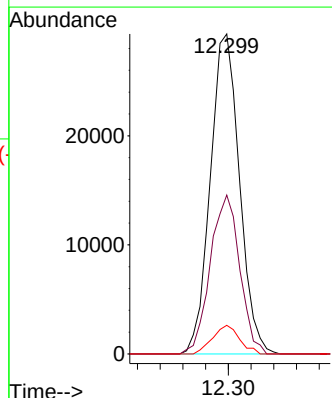
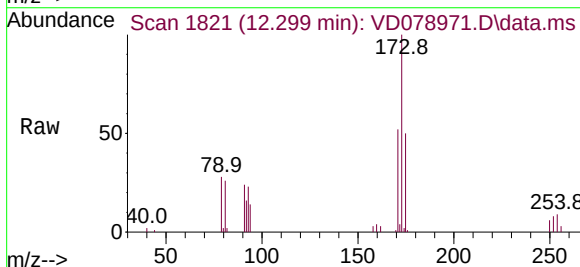
RT: 12.299 min Scan# 1821

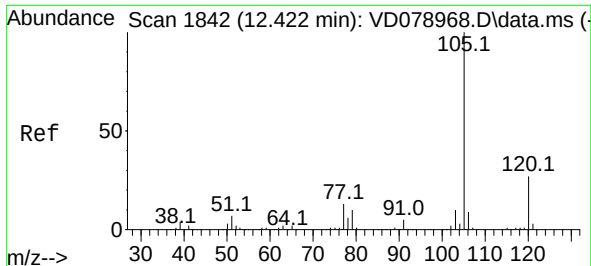
Delta R.T. 0.000 min

Lab File: VD078971.D

Acq: 20 May 2024 16:44

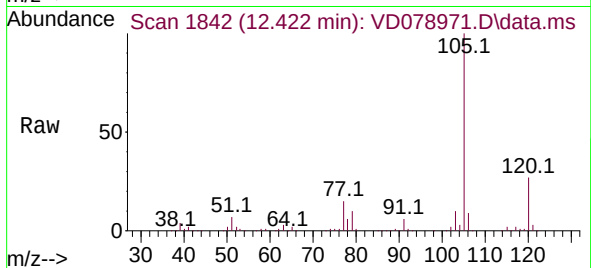
Tgt Ion:	173	Resp:	52285
Ion Ratio	Lower	Upper	
173	100		
175	50.1	40.0	60.0
254	8.3	6.3	9.5



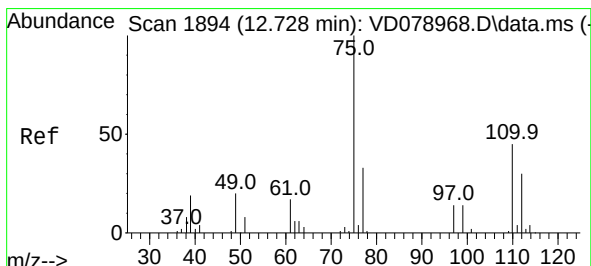
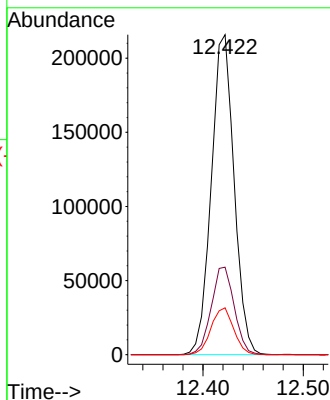
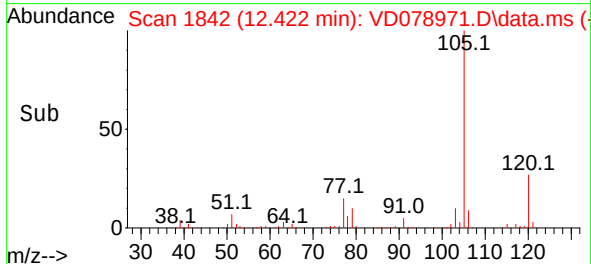


#60
Isopropylbenzene
Concen: 28.482 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

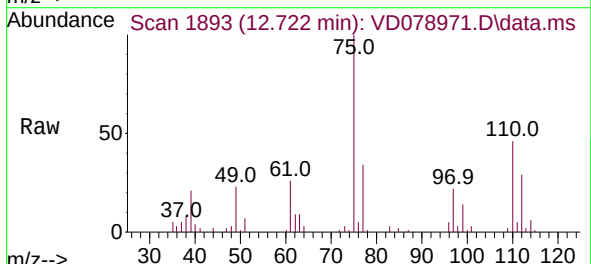
Instrument :
MSVOA_D
ClientSampleId :



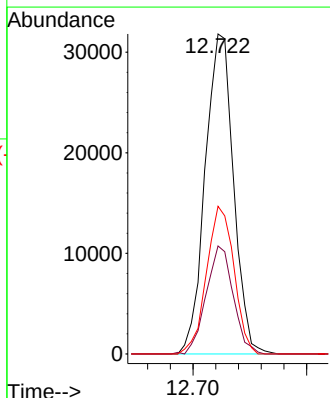
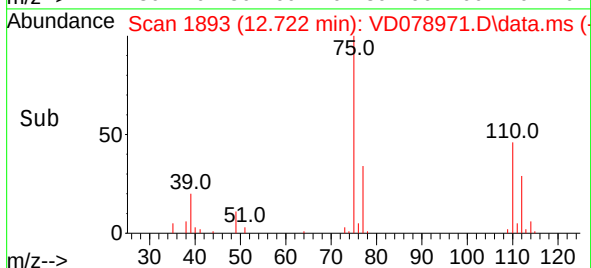
Tgt Ion:105 Resp: 340624
Ion Ratio Lower Upper
105 100
120 27.6 21.8 32.8
77 14.6 11.7 17.5

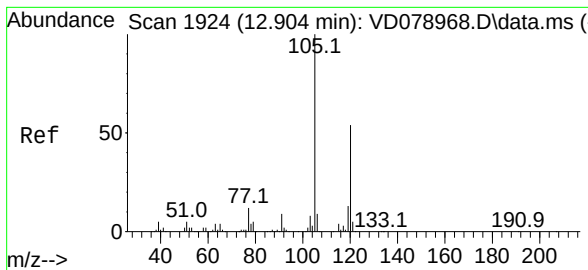


#61
1,2,3-Trichloropropane
Concen: 29.745 ug/L
RT: 12.722 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44



Tgt Ion: 75 Resp: 55155
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2
110 44.7 37.1 55.7

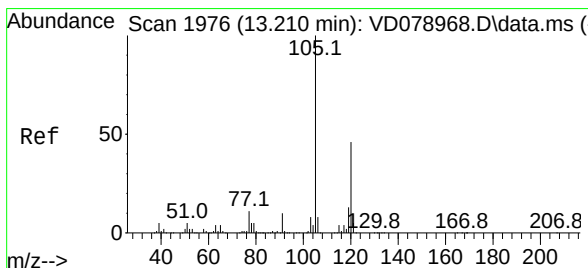
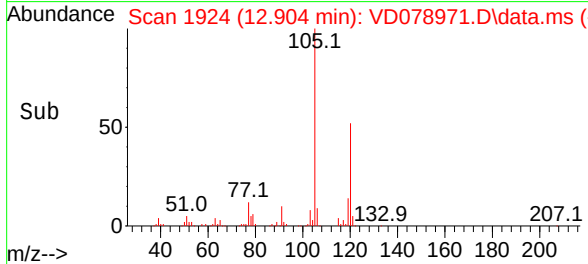
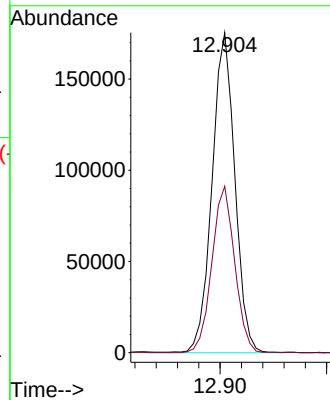
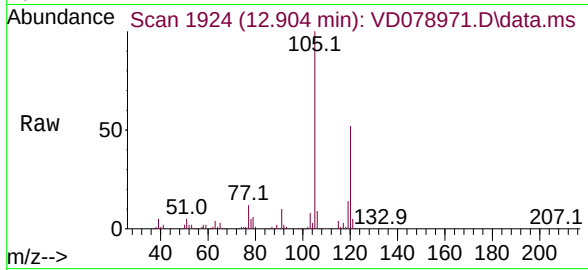




#62
1,3,5-Trimethylbenzene
Concen: 29.398 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

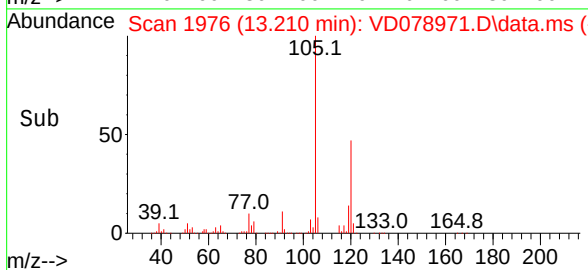
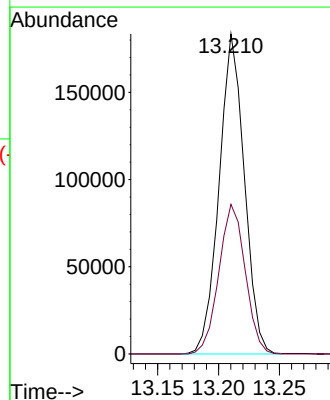
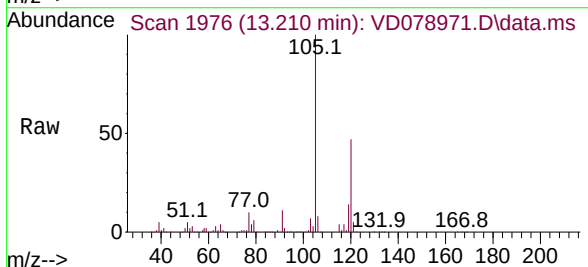
Instrument :
MSVOA_D
ClientSampleId :

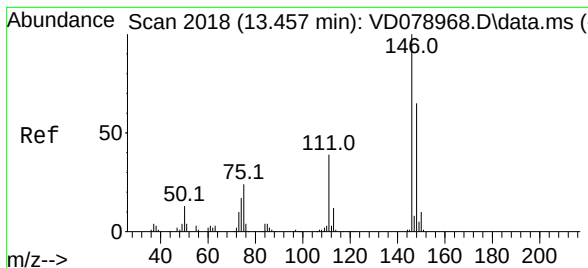
Tgt Ion:105 Resp: 259879
Ion Ratio Lower Upper
105 100
120 52.0 41.9 62.9



#63
1,2,4-Trimethylbenzene
Concen: 29.461 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

Tgt Ion:105 Resp: 264636
Ion Ratio Lower Upper
105 100
120 48.8 38.8 58.2





#64

1,3-Dichlorobenzene

Concen: 28.220 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD078971.D

Acq: 20 May 2024 16:44

Instrument :

MSVOA_D

ClientSampleId :

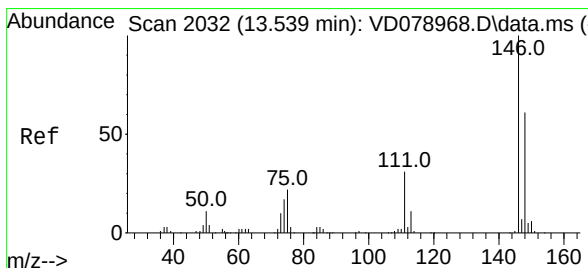
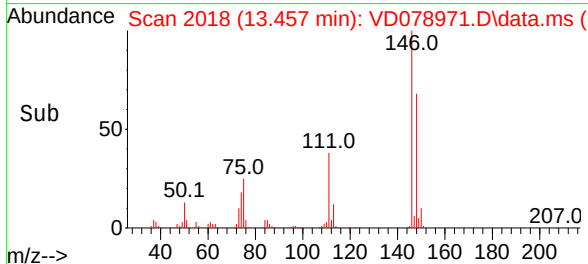
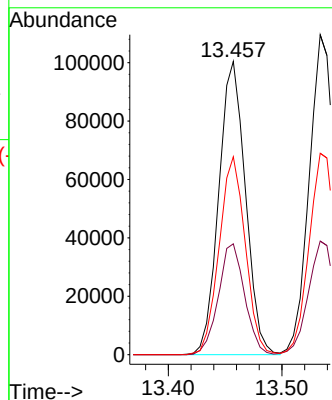
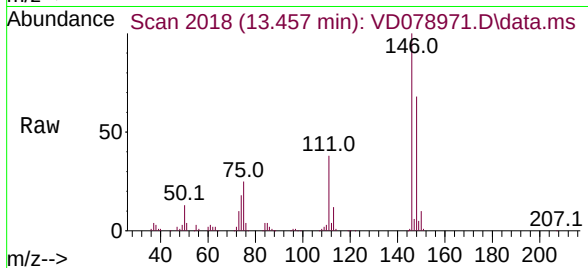
Tgt Ion:146 Resp: 163909

Ion Ratio Lower Upper

146 100

111 37.8 24.0 44.6

148 67.5 42.9 79.7



#65

1,4-Dichlorobenzene

Concen: 28.088 ug/L

RT: 13.534 min Scan# 2031

Delta R.T. -0.006 min

Lab File: VD078971.D

Acq: 20 May 2024 16:44

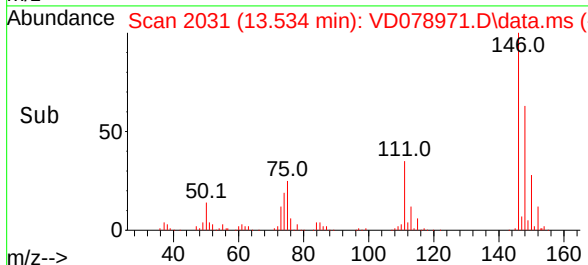
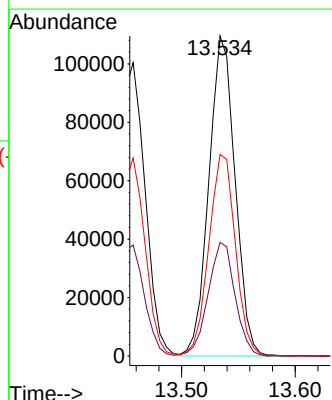
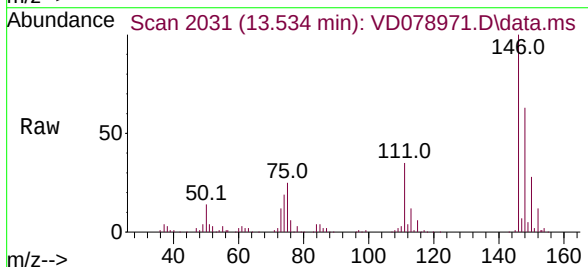
Tgt Ion:146 Resp: 175884

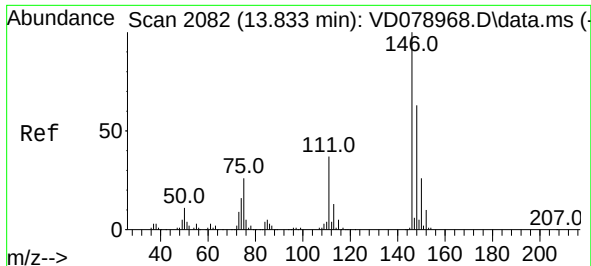
Ion Ratio Lower Upper

146 100

111 35.5 26.9 50.1

148 62.9 46.4 86.2





#67

1,2-Dichlorobenzene

Concen: 28.426 ug/L

RT: 13.828 min Scan# 2082

Delta R.T. -0.006 min

Lab File: VD078971.D

Acq: 20 May 2024 16:44

Instrument :

MSVOA_D

ClientSampleId :

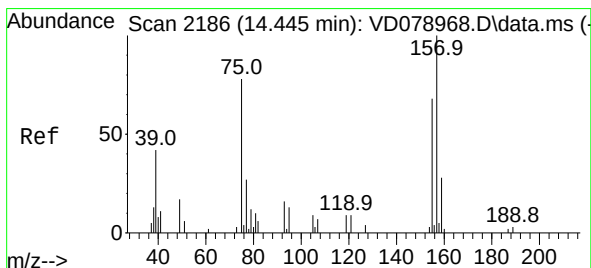
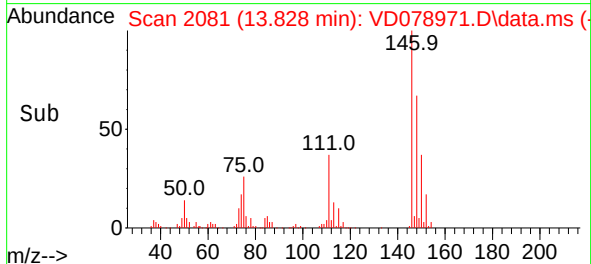
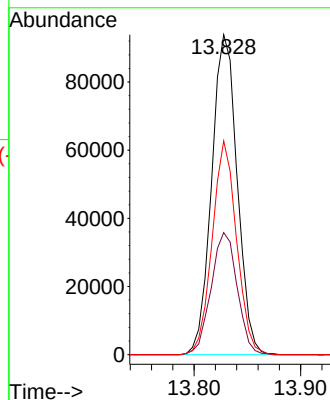
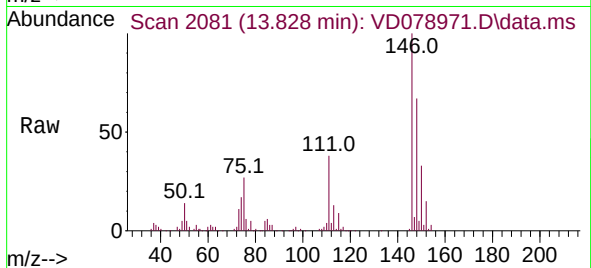
Tgt Ion:146 Resp: 156264

Ion Ratio Lower Upper

146 100

111 38.1 30.9 46.3

148 66.8 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 30.692 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD078971.D

Acq: 20 May 2024 16:44

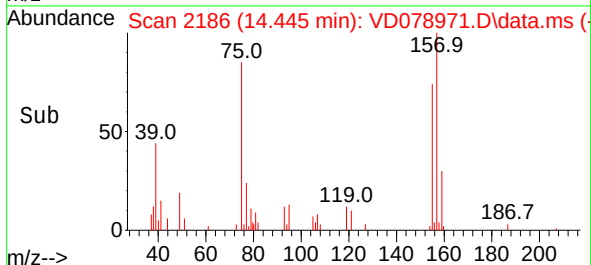
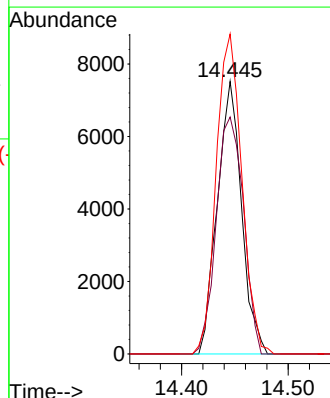
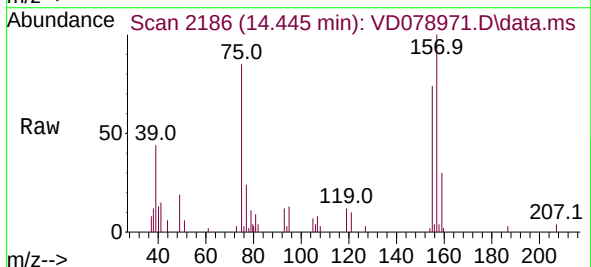
Tgt Ion: 75 Resp: 11855

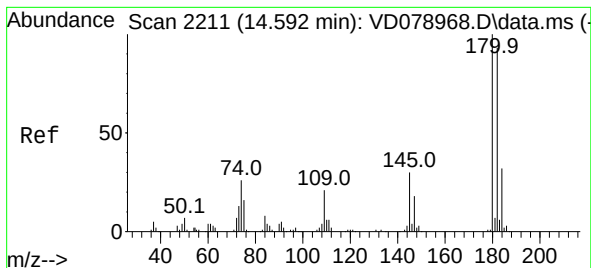
Ion Ratio Lower Upper

75 100

155 87.0 79.8 119.6

157 117.4 99.9 149.9





#69

1,3,5-Trichlorobenzene

Concen: 27.746 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. 0.000 min

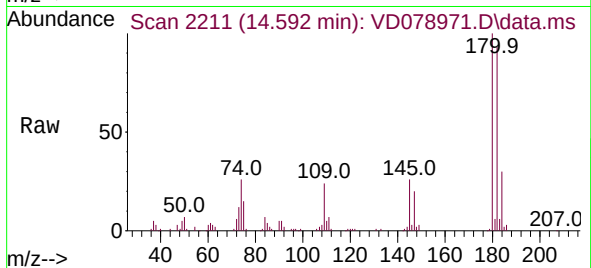
Lab File: VD078971.D

Acq: 20 May 2024 16:44

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 104666

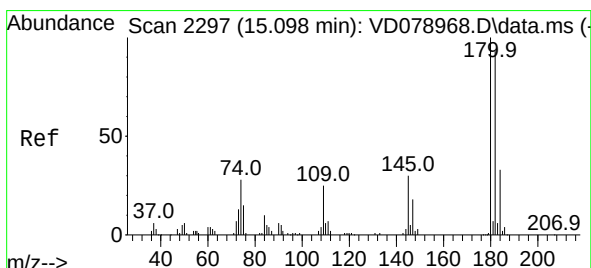
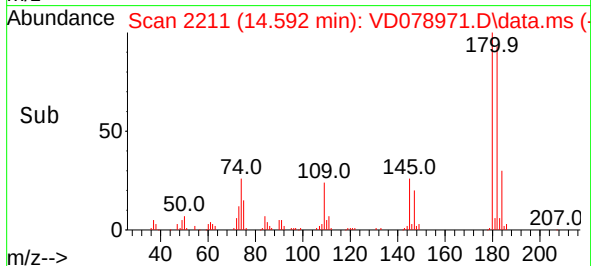
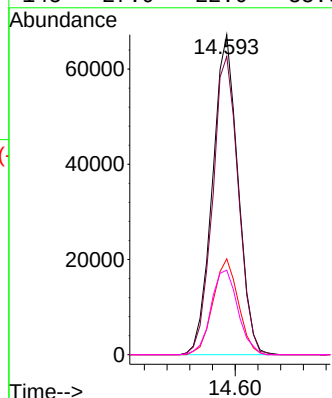
Ion Ratio Lower Upper

180 100

182 94.1 76.2 114.2

184 29.7 24.9 37.3

145 27.9 22.0 33.0



#70

1,2,4-trichlorobenzene

Concen: 27.518 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD078971.D

Acq: 20 May 2024 16:44

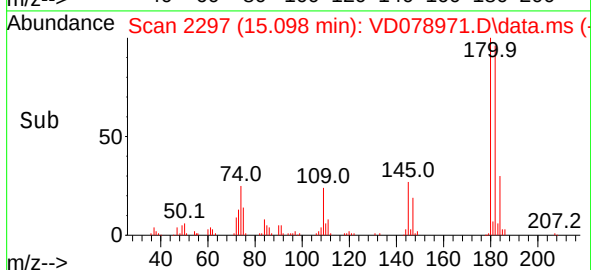
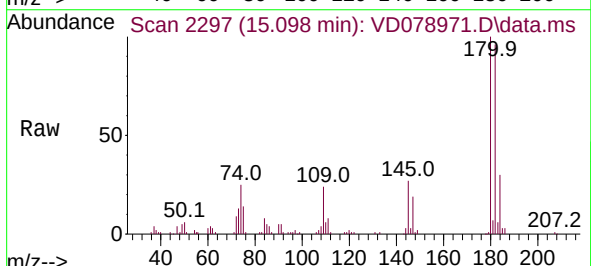
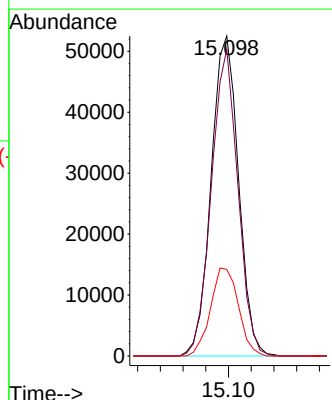
Tgt Ion:180 Resp: 87878

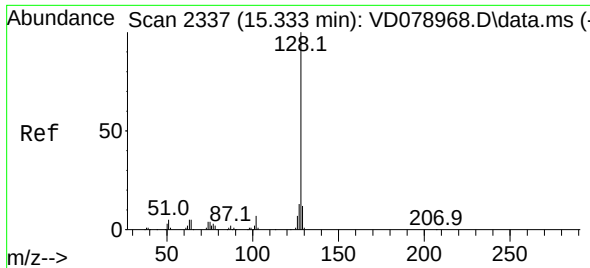
Ion Ratio Lower Upper

180 100

182 92.7 76.4 114.6

145 28.1 22.8 34.2

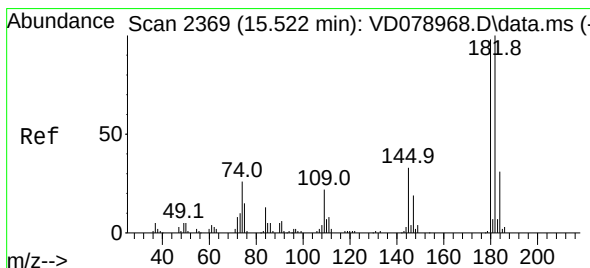
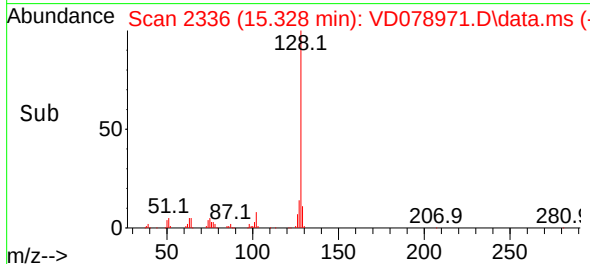
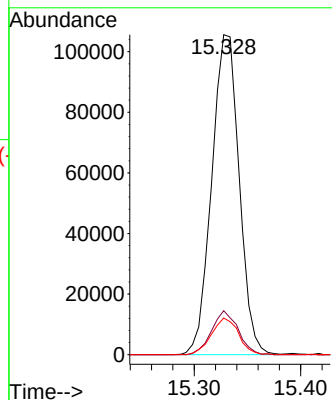
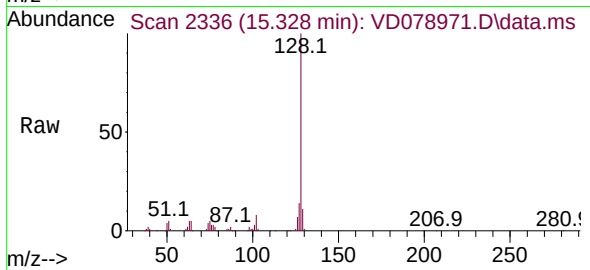




#71
Naphthalene
Concen: 29.033 ug/L
RT: 15.328 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 189165
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 11.3 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 28.622 ug/L
RT: 15.516 min Scan# 2368
Delta R.T. -0.006 min
Lab File: VD078971.D
Acq: 20 May 2024 16:44

Tgt Ion:180 Resp: 85435
Ion Ratio Lower Upper
180 100
182 93.1 77.2 115.8
145 30.1 24.4 36.6

