

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120523\
 Data File : VD077753.D
 Acq On : 05 Dec 2023 15:29
 Operator : JC/SY
 Sample : VSTDCCC025EC
 Misc : 5.04G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 00:26:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 06 00:24:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	289670	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	274412	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	136618	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.287	65	127555	16.147	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.600%
7) Chloroethane-d5	2.817	69	120383	19.119	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.480%
11) 1,1-Dichloroethene-d2	3.928	65	38385	18.741	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.960%
21) 2-Butanone-d5	6.993	46	44300	44.372	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.740%
24) Chloroform-d	7.575	84	181947	23.305	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.240%
26) 1,2-Dichloroethane-d4	8.234	65	89733	22.685	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.760%
32) Benzene-d6	8.205	84	366730	22.190	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.760%
36) 1,2-Dichloropropane-d6	9.216	67	111967	22.204	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.800%
41) Toluene-d8	10.275	98	344711	22.660	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.640%
43) trans-1,3-Dichloroprop...	10.528	79	49964	22.407	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.640%
47) 2-Hexanone-d5	10.881	63	39846	45.856	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.720%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	87252	23.945	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.760%
66) 1,2-Dichlorobenzene-d4	13.822	152	115651	23.663	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.640%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.940	85	97565	21.098	ug/L	99
3) Chloromethane	2.152	50	128376	19.323	ug/L	98
5) Vinyl chloride	2.293	62	161148	19.474	ug/L	99
6) Bromomethane	2.705	94	92256	21.045	ug/L	91
8) Chloroethane	2.852	64	106488	20.616	ug/L	98
9) Trichlorofluoromethane	3.193	101	149831	21.229	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	93532	22.464	ug/L	98
12) 1,1-Dichloroethene	3.952	96	87558	22.221	ug/L	89
13) Acetone	4.028	43	46124	36.058	ug/L	98
14) Carbon disulfide	4.287	76	303685	21.748	ug/L	98
15) Methyl Acetate	4.564	43	35547	19.413	ug/L	93
16) Methylene chloride	4.811	84	99852	19.414	ug/L	96
17) trans-1,2-Dichloroethene	5.316	96	97069	23.628	ug/L	96
18) Methyl tert-butyl Ether	5.322	73	198394	21.907	ug/L #	90
19) 1,1-Dichloroethane	6.116	63	172831	22.321	ug/L	99
20) cis-1,2-Dichloroethene	7.087	96	106028	23.225	ug/L	97
22) 2-Butanone	7.081	43	55000	38.202	ug/L #	66
23) Bromochloromethane	7.434	128	44773	23.557	ug/L	84
25) Chloroform	7.599	83	175957	23.083	ug/L	92

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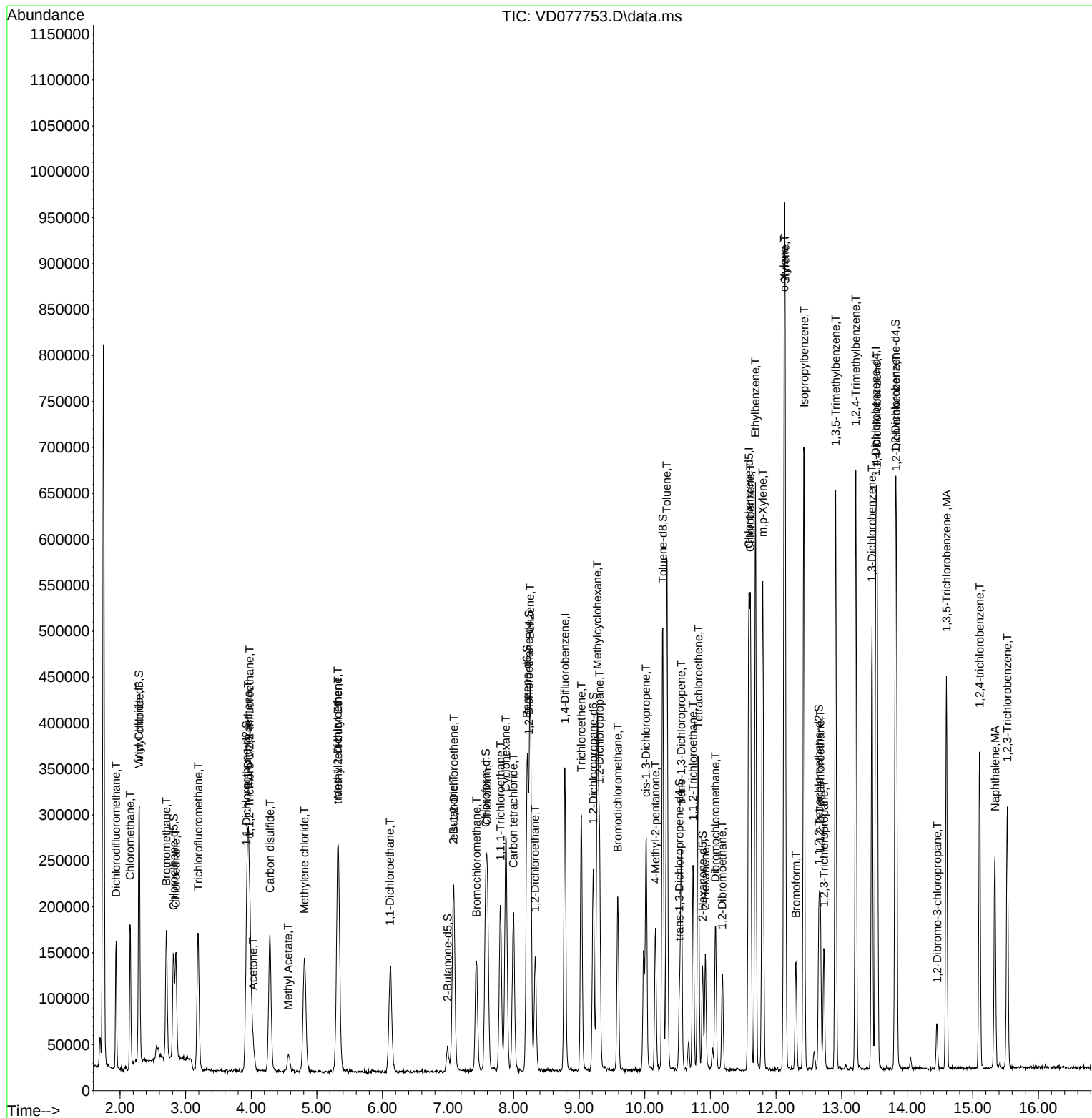
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27) 1,2-Dichloroethane	8.328	62	110075	23.085	ug/L	98
29) Cyclohexane	7.881	56	143899	19.872	ug/L	93
30) 1,1,1-Trichloroethane	7.799	97	147680	21.993	ug/L	99
31) Carbon tetrachloride	7.999	117	133227	22.562	ug/L	99
33) Benzene	8.252	78	397239	22.241	ug/L	100
34) Trichloroethene	9.034	95	102853	23.198	ug/L	97
35) Methylcyclohexane	9.275	83	164121	20.851	ug/L	98
37) 1,2-Dichloropropane	9.310	63	104501	22.440	ug/L	98
38) Bromodichloromethane	9.587	83	125137	22.098	ug/L #	98
39) cis-1,3-Dichloropropene	10.016	75	157463	21.653	ug/L	100
40) 4-Methyl-2-pentanone	10.163	43	102907	40.046	ug/L	98
42) Toluene	10.334	91	431304	22.735	ug/L	97
44) trans-1,3-Dichloropropene	10.557	75	132224	21.768	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	70287	22.473	ug/L	97
46) Tetrachloroethene	10.816	164	78340	21.913	ug/L	95
48) 2-Hexanone	10.922	43	78804	36.078	ug/L	94
49) Dibromochloromethane	11.075	129	84769	22.795	ug/L	97
50) 1,2-Dibromoethane	11.181	107	69679	23.102	ug/L #	96
51) Chlorobenzene	11.610	112	265900	22.604	ug/L	98
52) Ethylbenzene	11.687	91	461035	21.922	ug/L	100
53) m,p-Xylene	11.798	106	179334	22.568	ug/L	98
54) o-Xylene	12.128	106	173487	22.812	ug/L	90
55) Styrene	12.140	104	309036	23.223	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.675	83	82370	22.227	ug/L	98
59) Bromoform	12.304	173	52324	23.147	ug/L #	99
60) Isopropylbenzene	12.428	105	458505	22.486	ug/L	99
61) 1,2,3-Trichloropropane	12.734	75	56425	22.454	ug/L	97
62) 1,3,5-Trimethylbenzene	12.910	105	346248	22.608	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	350855	22.594	ug/L	98
64) 1,3-Dichlorobenzene	13.463	146	201548	22.855	ug/L	97
65) 1,4-Dichlorobenzene	13.540	146	205906	22.501	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	181383	22.857	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.457	75	11279	19.035	ug/L	96
69) 1,3,5-Trichlorobenzene	14.598	180	134004	22.315	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	114357	22.432	ug/L	95
71) Naphthalene	15.339	128	204242	21.915	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	97411	21.797	ug/L	98

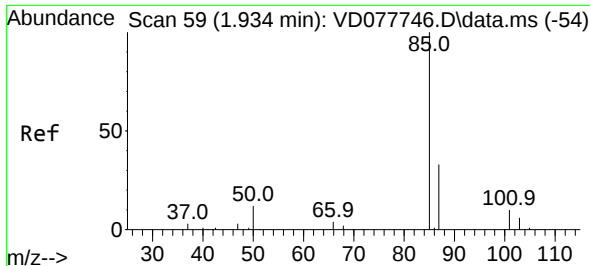
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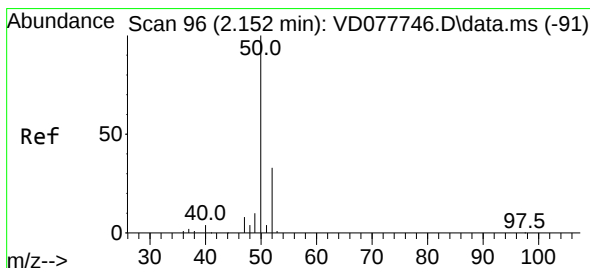
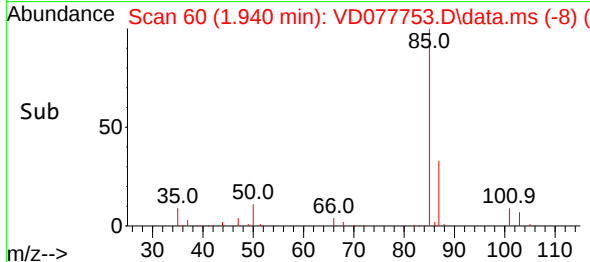
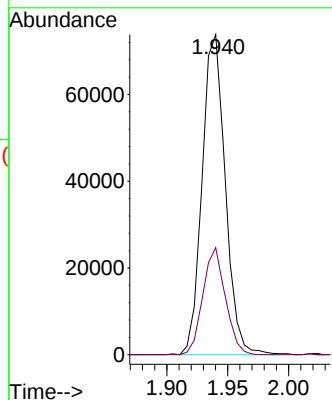
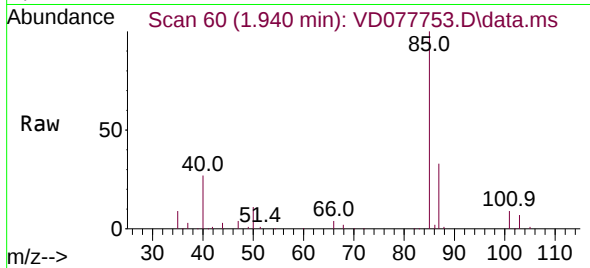




#2
Dichlorodifluoromethane
Concen: 21.098 ug/L
RT: 1.940 min Scan# 60
Delta R.T. 0.006 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

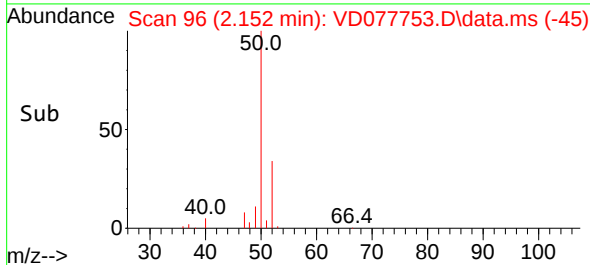
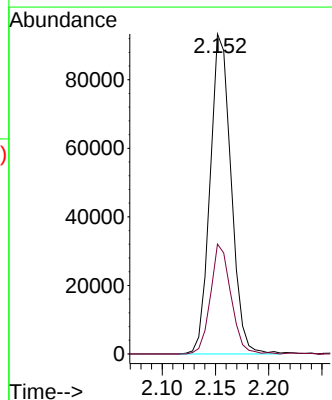
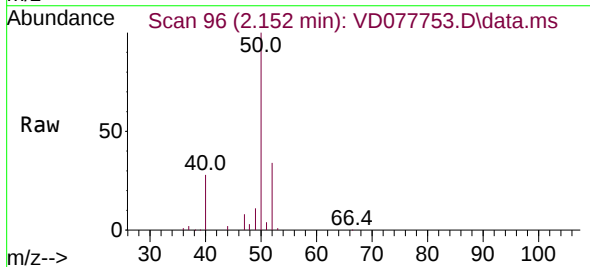
Instrument :
MSVOA_D
ClientSampleId :

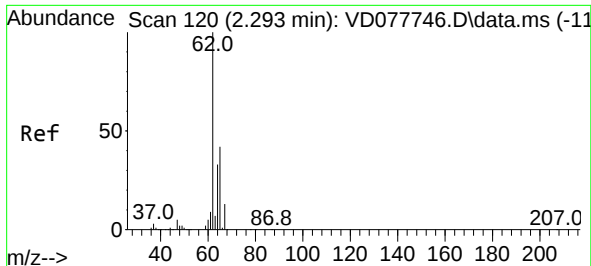
Tgt Ion: 85 Resp: 97565
Ion Ratio Lower Upper
85 100
87 32.3 25.6 38.4



#3
Chloromethane
Concen: 19.323 ug/L
RT: 2.152 min Scan# 96
Delta R.T. -0.000 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

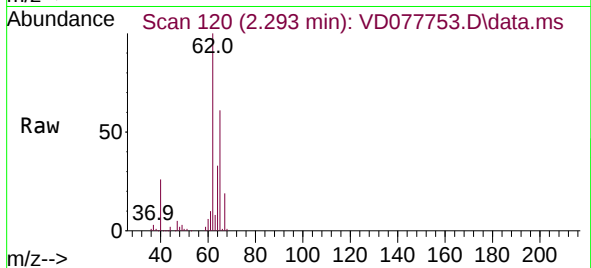
Tgt Ion: 50 Resp: 128376
Ion Ratio Lower Upper
50 100
52 34.3 23.2 43.2



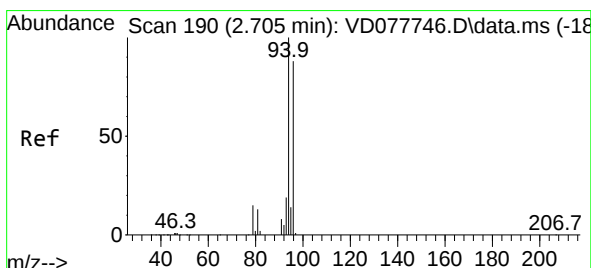
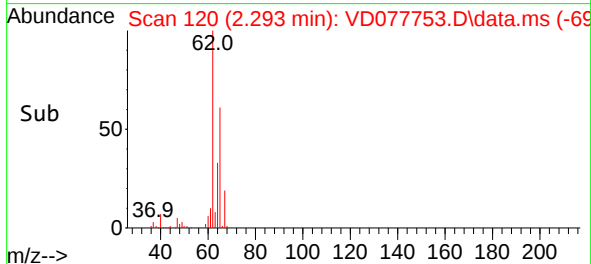
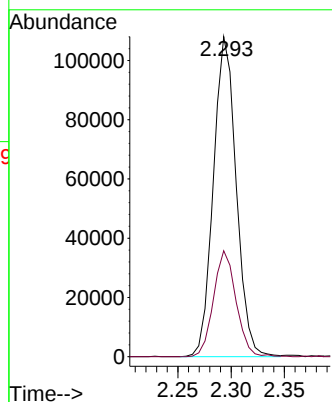


#5
 Vinyl chloride
 Concen: 19.474 ug/L
 RT: 2.293 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VD077753.D
 Acq: 05 Dec 2023 15:29

Instrument :
 MSVOA_D
 ClientSampleId :

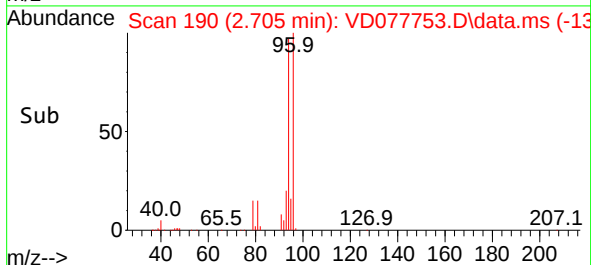
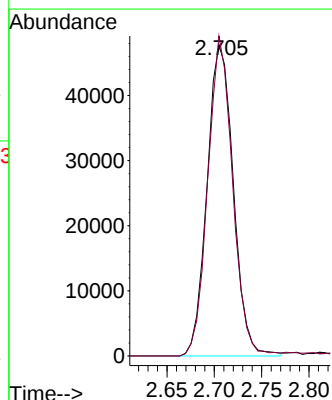
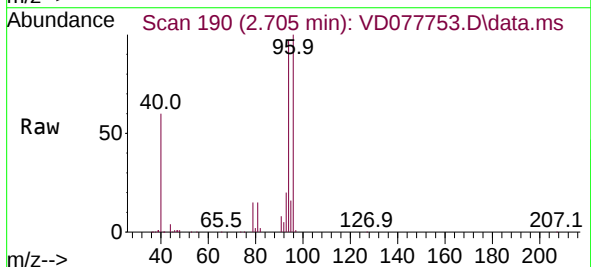


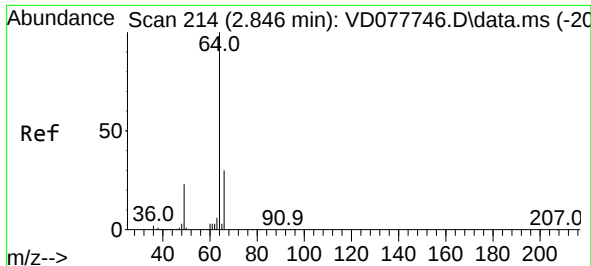
Tgt Ion: 62 Resp: 161148
 Ion Ratio Lower Upper
 62 100
 64 33.1 22.6 42.0



#6
 Bromomethane
 Concen: 21.045 ug/L
 RT: 2.705 min Scan# 190
 Delta R.T. -0.000 min
 Lab File: VD077753.D
 Acq: 05 Dec 2023 15:29

Tgt Ion: 94 Resp: 92256
 Ion Ratio Lower Upper
 94 100
 96 102.8 66.0 122.6

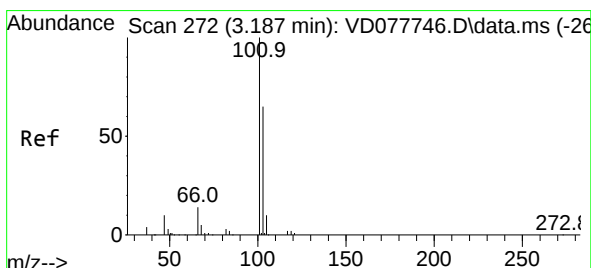
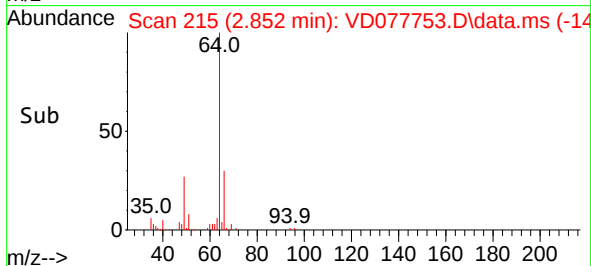
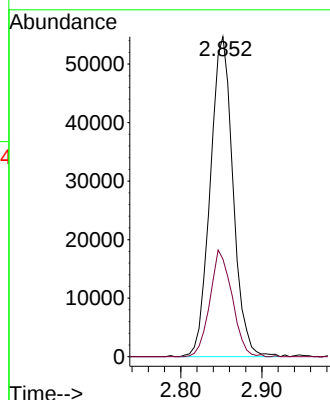
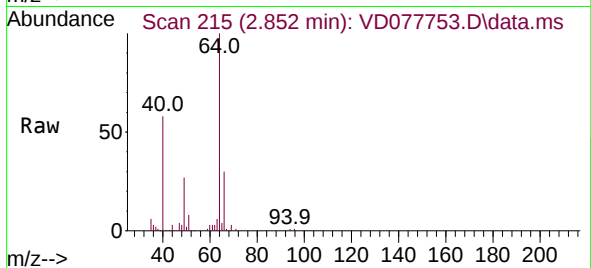




#8
Chloroethane
Concen: 20.616 ug/L
RT: 2.852 min Scan# 214
Delta R.T. 0.006 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

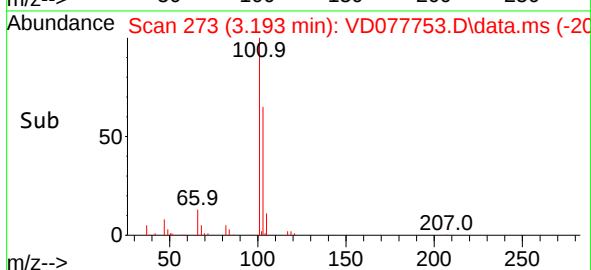
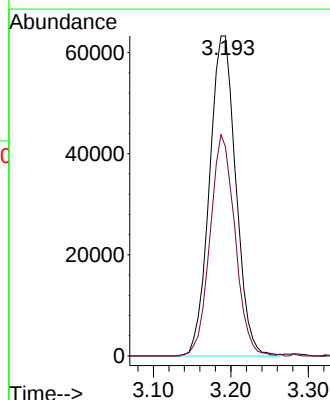
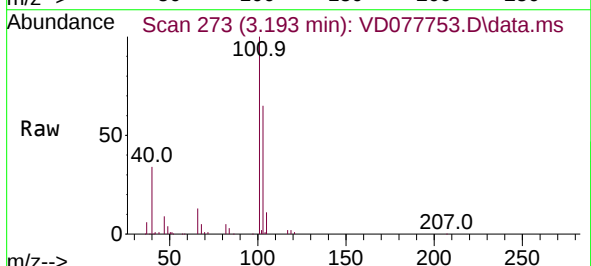
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MSVOA_D
ClientSampleId :

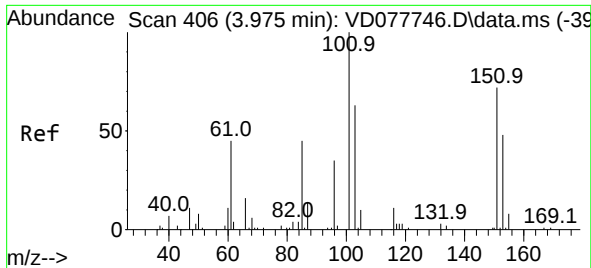
Tgt Ion: 64 Resp: 106488
Ion Ratio Lower Upper
64 100
66 30.5 22.0 41.0



#9
Trichlorofluoromethane
Concen: 21.229 ug/L
RT: 3.193 min Scan# 273
Delta R.T. 0.006 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

Tgt Ion:101 Resp: 149831
Ion Ratio Lower Upper
101 100
103 65.4 52.5 78.7

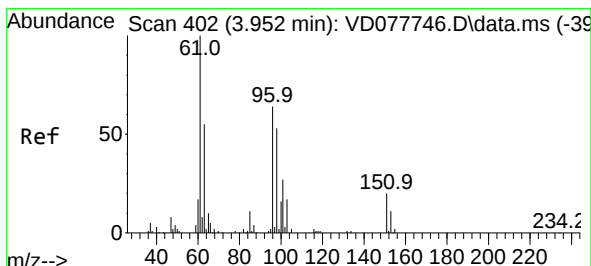
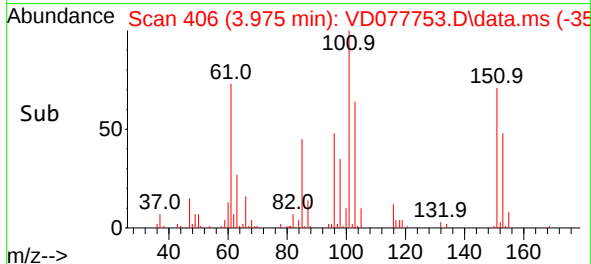
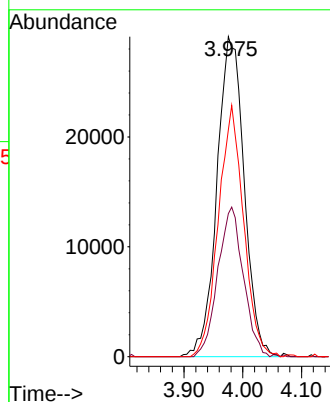
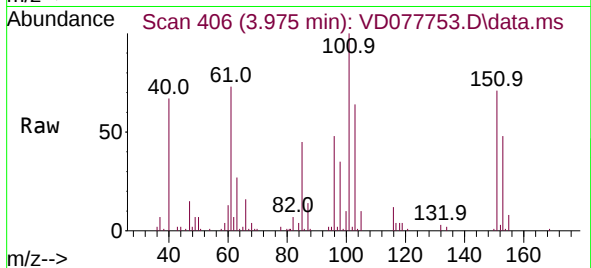




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 22.464 ug/L
 RT: 3.975 min Scan# 406
 Delta R.T. -0.000 min
 Lab File: VD077753.D
 Acq: 05 Dec 2023 15:29

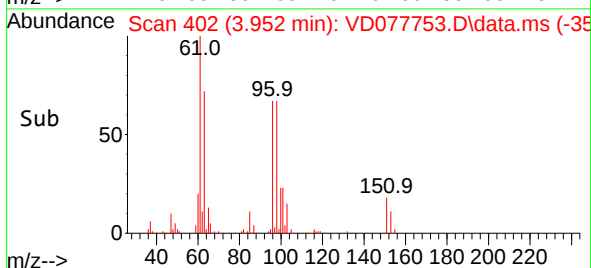
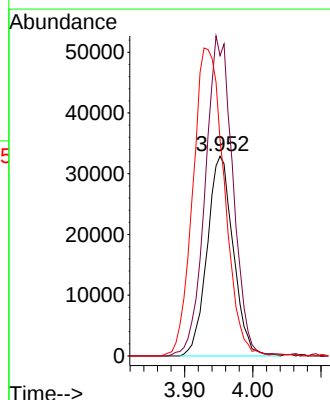
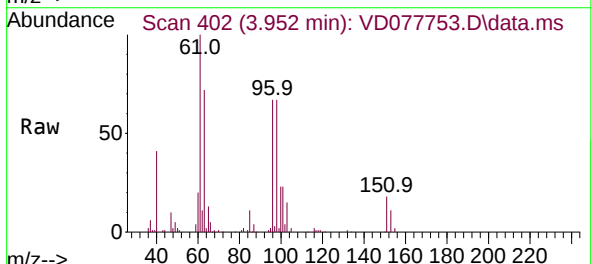
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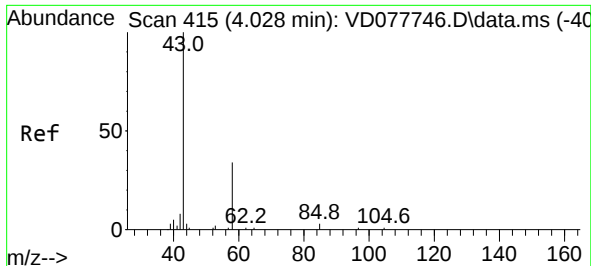
Tgt Ion:101 Resp: 93532
 Ion Ratio Lower Upper
 101 100
 85 43.9 35.8 53.6
 151 72.7 57.0 85.6



#12
 1,1-Dichloroethene
 Concen: 22.221 ug/L
 RT: 3.952 min Scan# 402
 Delta R.T. -0.000 min
 Lab File: VD077753.D
 Acq: 05 Dec 2023 15:29

Tgt Ion: 96 Resp: 87558
 Ion Ratio Lower Upper
 96 100
 61 150.4 108.6 201.6
 63 108.3 60.3 111.9





#13

Acetone

Concen: 36.058 ug/L

RT: 4.028 min Scan# 41

Delta R.T. -0.000 min

Lab File: VD077753.D

Acq: 05 Dec 2023 15:29

Instrument :

MSVOA_D

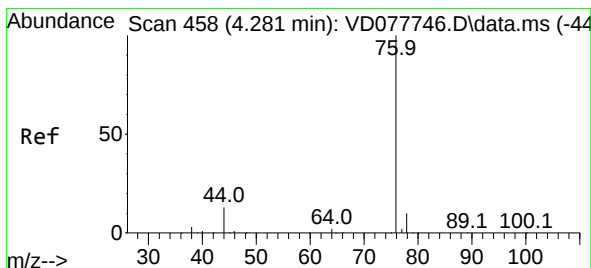
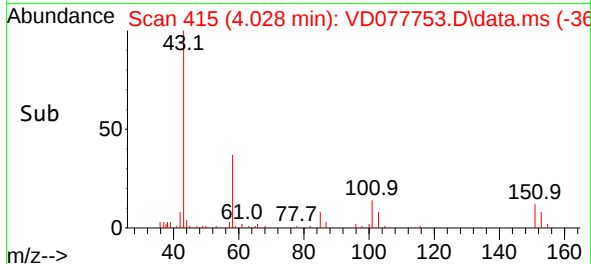
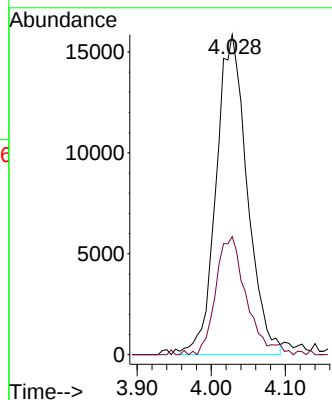
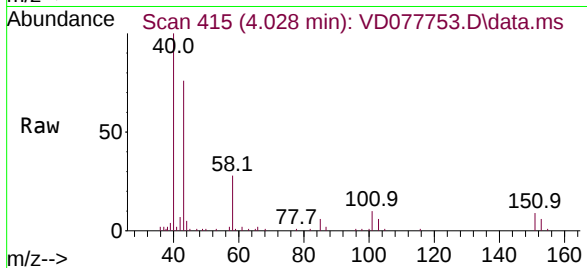
ClientSampleId :

Tgt Ion: 43 Resp: 46124

Ion Ratio Lower Upper

43 100

58 34.8 0.0 67.2



#14

Carbon disulfide

Concen: 21.748 ug/L

RT: 4.287 min Scan# 459

Delta R.T. 0.006 min

Lab File: VD077753.D

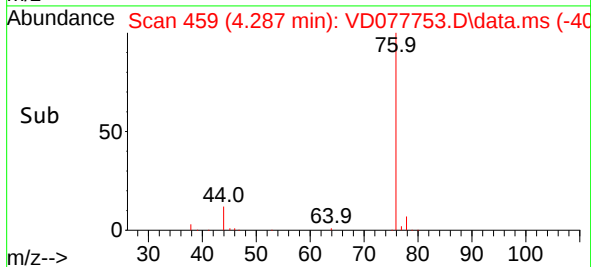
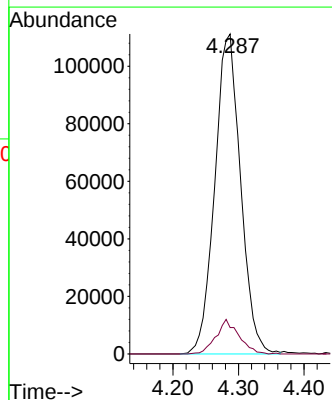
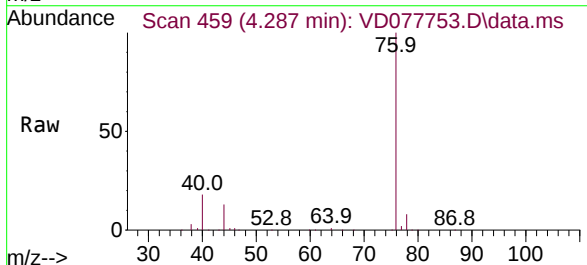
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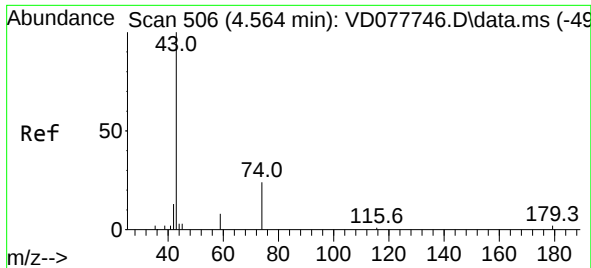
Tgt Ion: 76 Resp: 303685

Ion Ratio Lower Upper

76 100

78 8.2 7.2 10.8

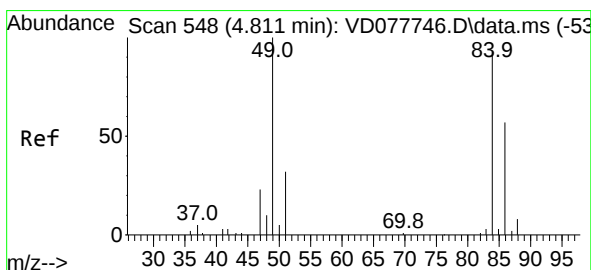
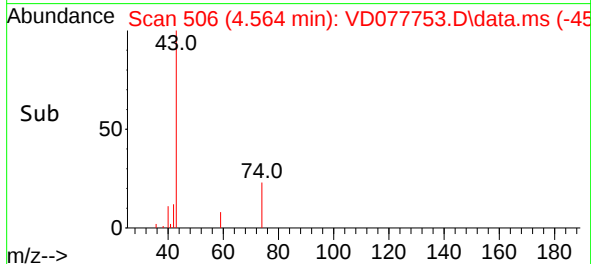
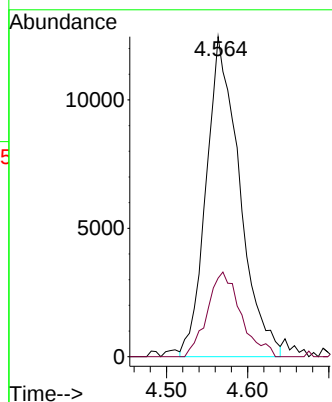
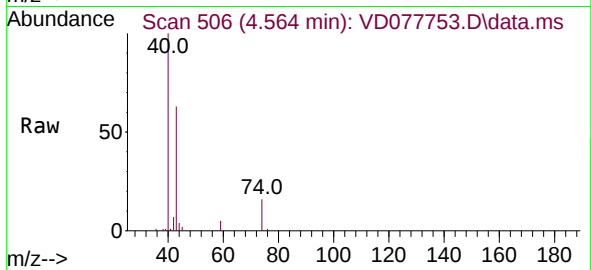




#15
Methyl Acetate
Concen: 19.413 ug/L
RT: 4.564 min Scan# 506
Delta R.T. -0.000 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

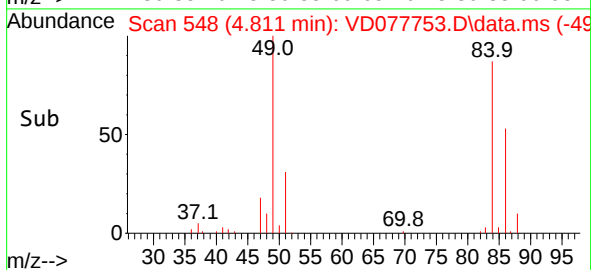
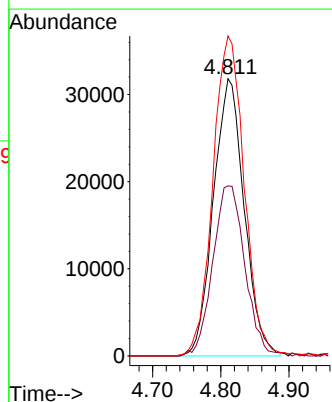
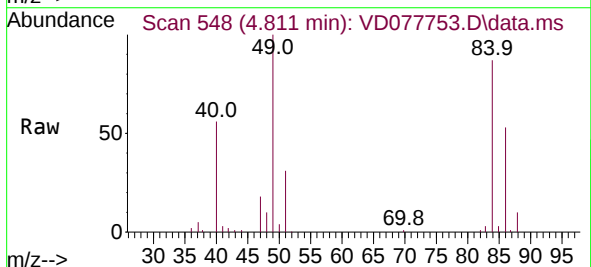
Instrument :
MSVOA_D
ClientSampleId :

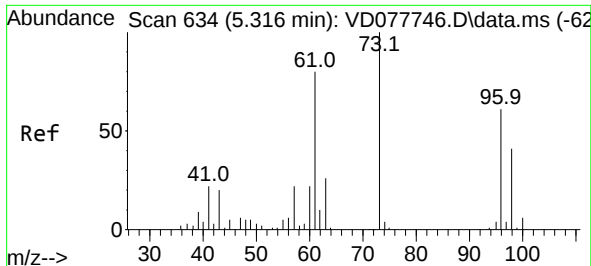
Tgt Ion: 43 Resp: 35547
Ion Ratio Lower Upper
43 100
74 26.6 18.6 27.8



#16
Methylene chloride
Concen: 19.414 ug/L
RT: 4.811 min Scan# 548
Delta R.T. -0.000 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

Tgt Ion: 84 Resp: 99852
Ion Ratio Lower Upper
84 100
86 61.3 40.1 74.5
49 115.4 83.2 154.6





#17

trans-1,2-Dichloroethene

Concen: 23.628 ug/L

RT: 5.316 min Scan# 61

Delta R.T. -0.000 min

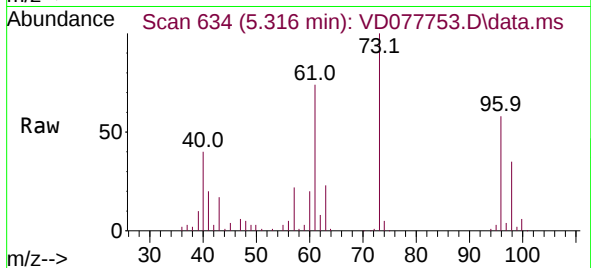
Lab File: VD077753.D

Acq: 05 Dec 2023 15:29

Instrument :

MSVOA_D

ClientSampleId :



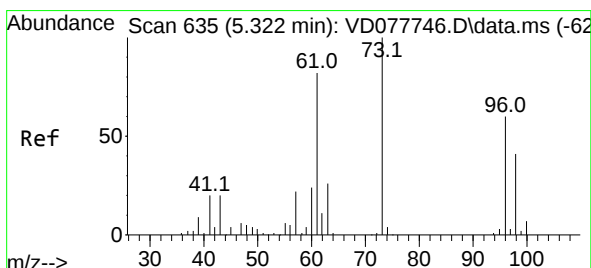
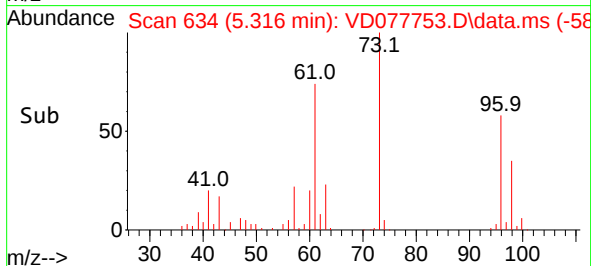
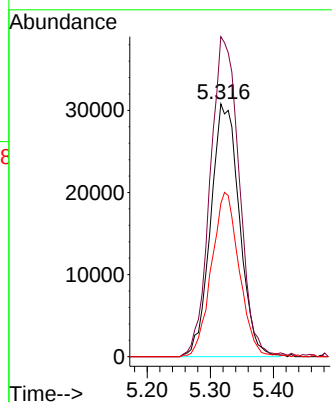
Tgt Ion: 96 Resp: 97069

Ion Ratio Lower Upper

96 100

61 126.6 92.3 171.3

98 60.6 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 21.907 ug/L

RT: 5.322 min Scan# 635

Delta R.T. -0.000 min

Lab File: VD077753.D

Acq: 05 Dec 2023 15:29

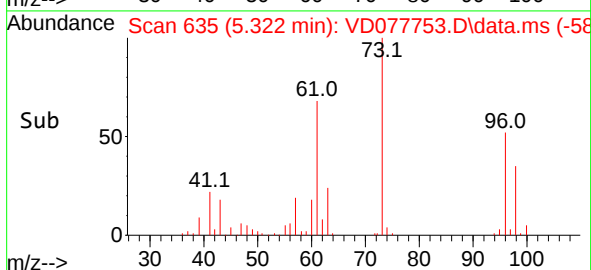
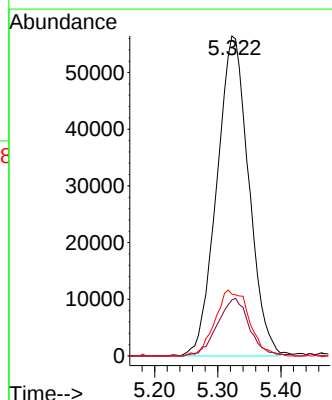
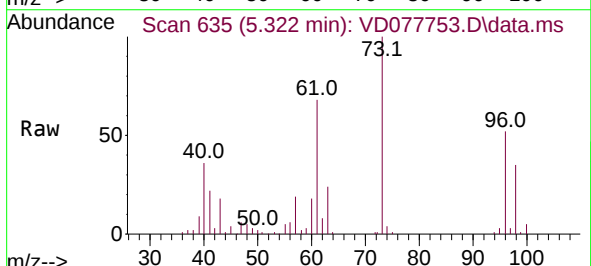
Tgt Ion: 73 Resp: 198394

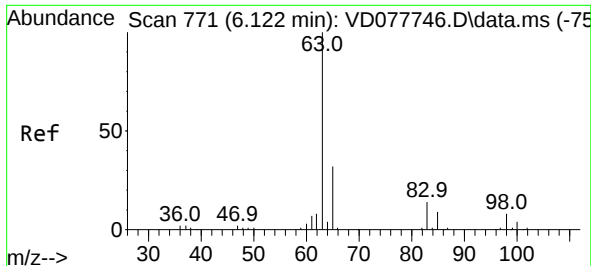
Ion Ratio Lower Upper

73 100

43 17.8 15.0 22.4

57 14.6 18.1 27.1#





#19

1,1-Dichloroethane

Concen: 22.321 ug/L

RT: 6.116 min Scan# 71

Delta R.T. -0.006 min

Lab File: VD077753.D

Acq: 05 Dec 2023 15:29

Instrument :

MSVOA_D

ClientSampleId :

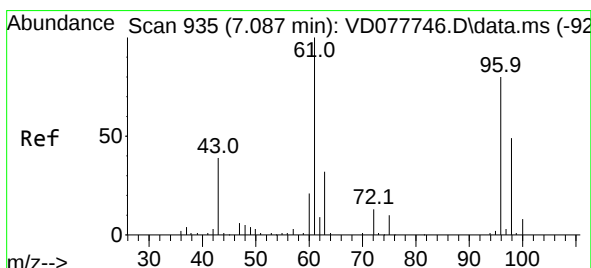
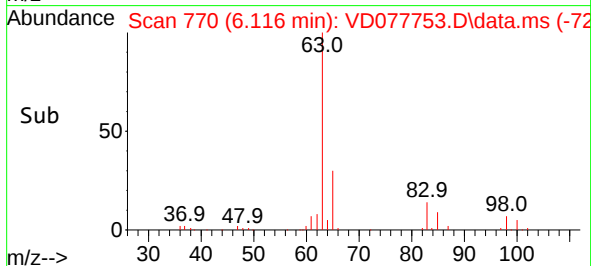
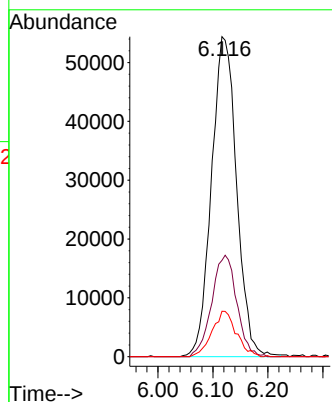
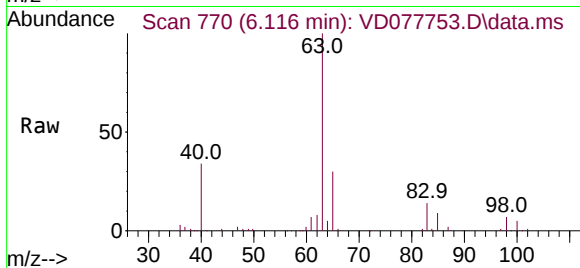
Tgt Ion: 63 Resp: 172831

Ion Ratio Lower Upper

63 100

65 30.1 20.9 38.9

83 14.2 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 23.225 ug/L

RT: 7.087 min Scan# 935

Delta R.T. -0.000 min

Lab File: VD077753.D

Acq: 05 Dec 2023 15:29

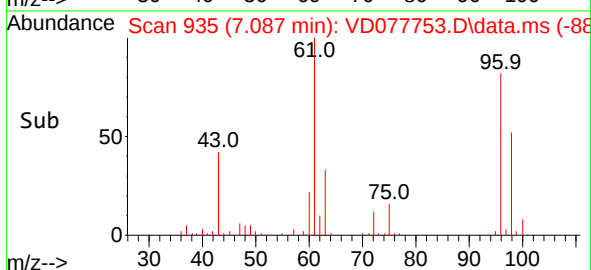
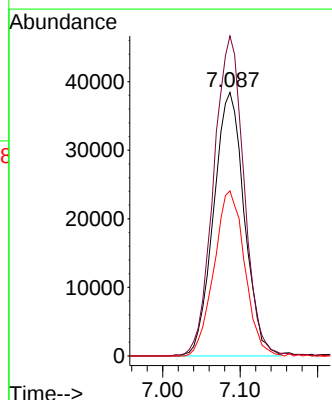
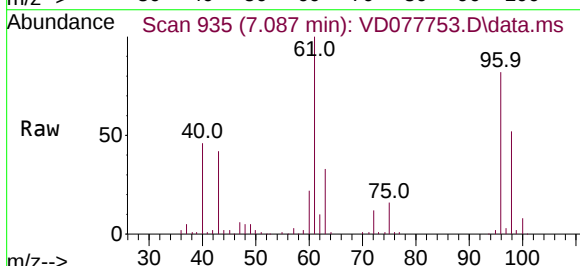
Tgt Ion: 96 Resp: 106028

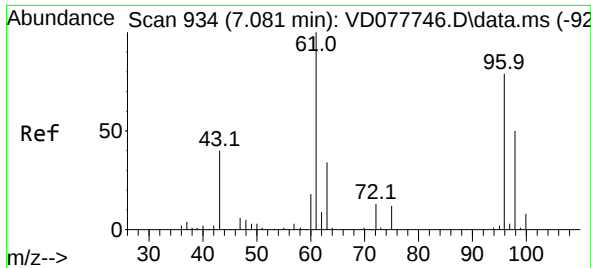
Ion Ratio Lower Upper

96 100

61 121.4 88.1 163.5

98 62.7 44.1 81.9

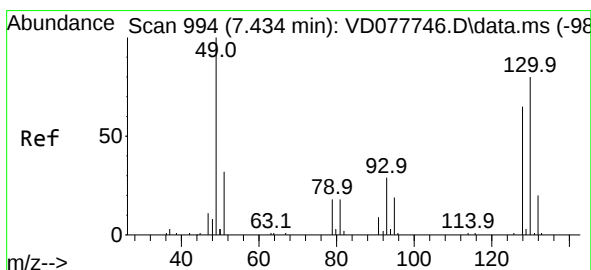
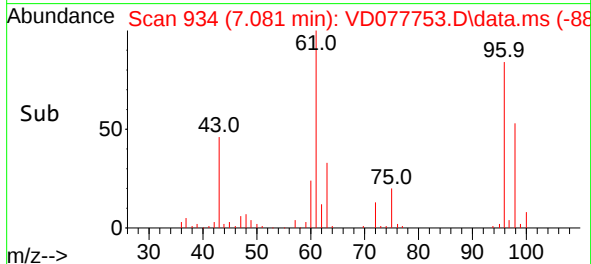
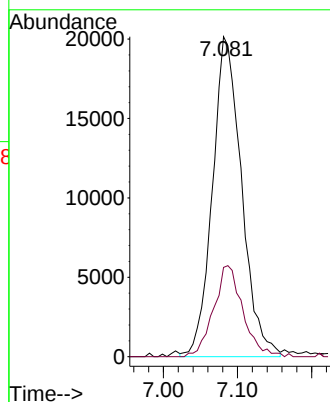
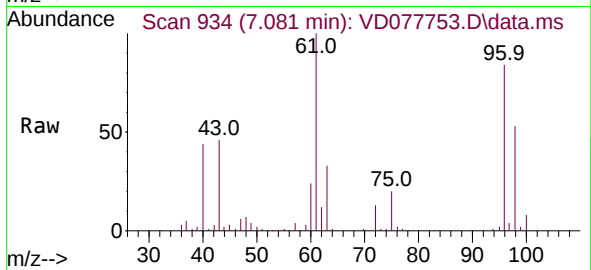




#22
2-Butanone
Concen: 38.202 ug/L
RT: 7.081 min Scan# 911
Delta R.T. -0.000 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

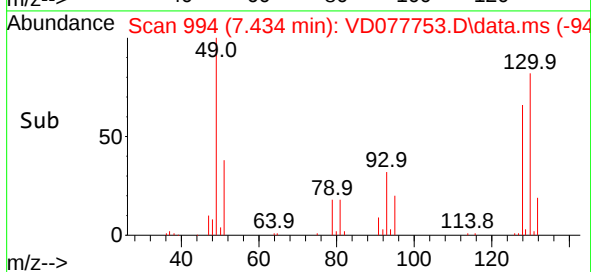
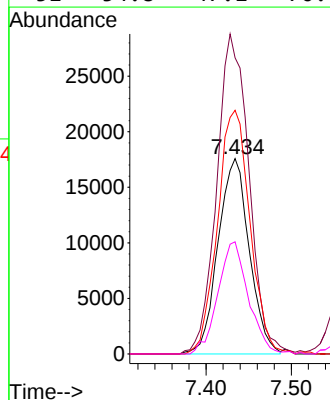
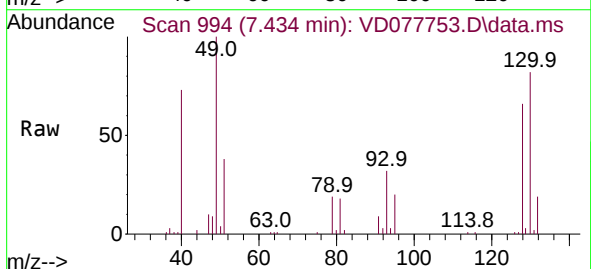
Instrument :
MSVOA_D
ClientSampleId :

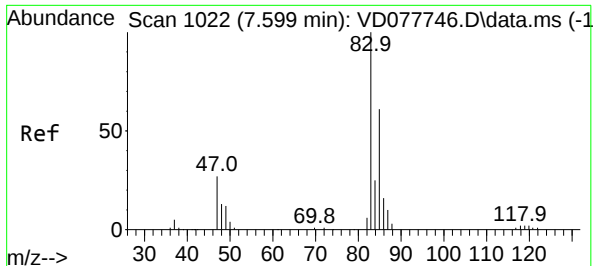
Tgt Ion: 43 Resp: 55000
Ion Ratio Lower Upper
43 100
72 28.2 7.2 21.6#



#23
Bromochloromethane
Concen: 23.557 ug/L
RT: 7.434 min Scan# 994
Delta R.T. -0.000 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

Tgt Ion:128 Resp: 44773
Ion Ratio Lower Upper
128 100
49 144.6 124.7 231.5
130 119.0 92.3 171.3
51 54.8 47.1 70.7





#25

Chloroform

Concen: 23.083 ug/L

RT: 7.599 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VD077753.D

Acq: 05 Dec 2023 15:29

Instrument :

MSVOA_D

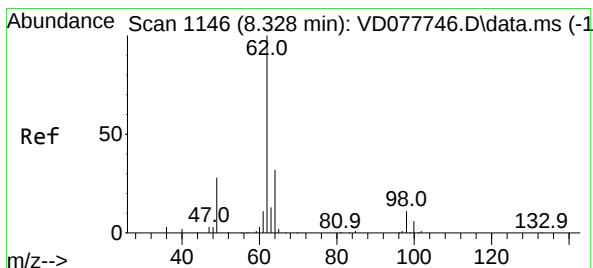
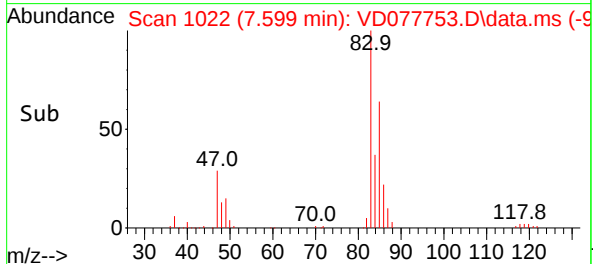
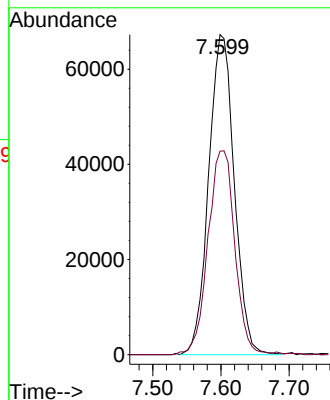
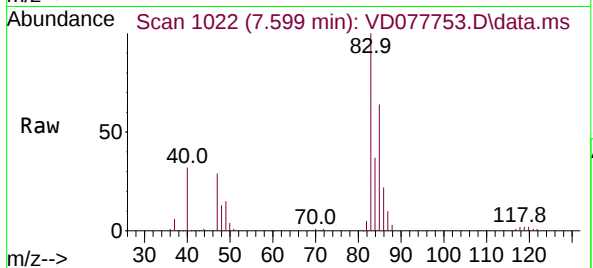
ClientSampleId :

Tgt Ion: 83 Resp: 175957

Ion Ratio Lower Upper

83 100

85 63.6 48.9 90.9



#27

1,2-Dichloroethane

Concen: 23.085 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VD077753.D

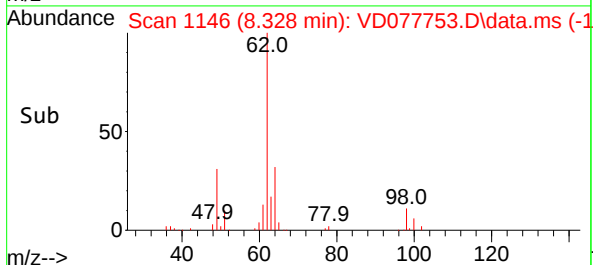
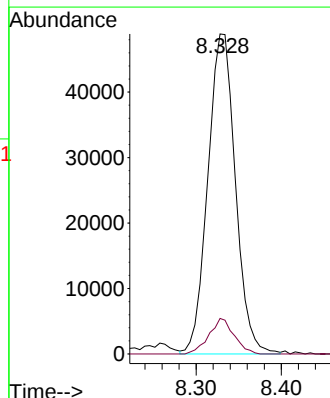
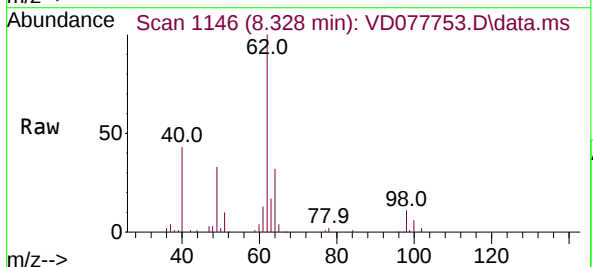
Acq: 05 Dec 2023 15:29

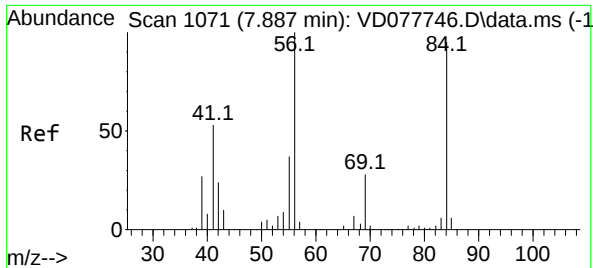
Tgt Ion: 62 Resp: 110075

Ion Ratio Lower Upper

62 100

98 11.1 8.4 12.6





#29

Cyclohexane

Concen: 19.872 ug/L

RT: 7.881 min Scan# 1071

Delta R.T. -0.006 min

Lab File: VD077753.D

Acq: 05 Dec 2023 15:29

Instrument :

MSVOA_D

ClientSampleId :

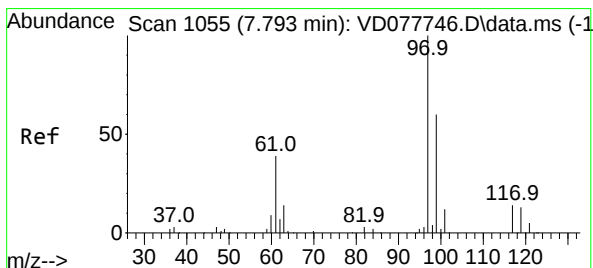
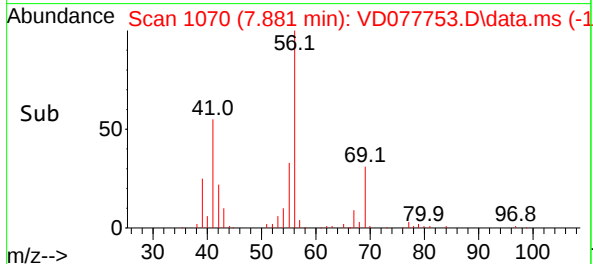
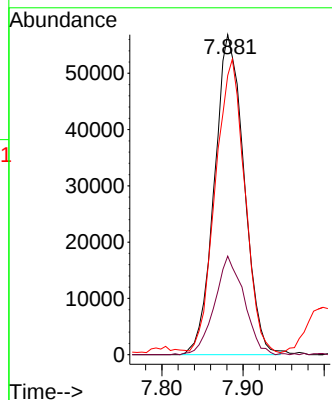
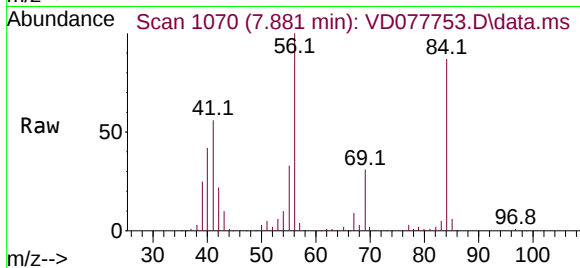
Tgt Ion: 56 Resp: 143899

Ion Ratio Lower Upper

56 100

69 30.6 22.2 33.4

84 92.5 68.5 102.7



#30

1,1,1-Trichloroethane

Concen: 21.993 ug/L

RT: 7.799 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VD077753.D

Acq: 05 Dec 2023 15:29

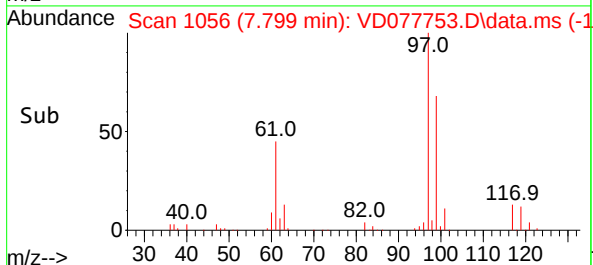
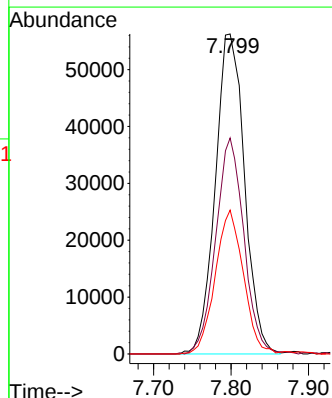
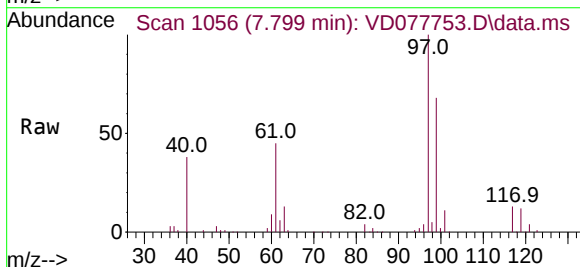
Tgt Ion: 97 Resp: 147680

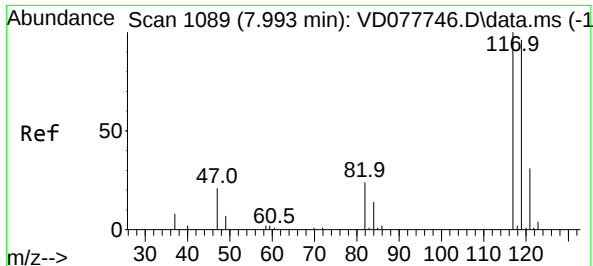
Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.2

61 42.9 35.4 53.2

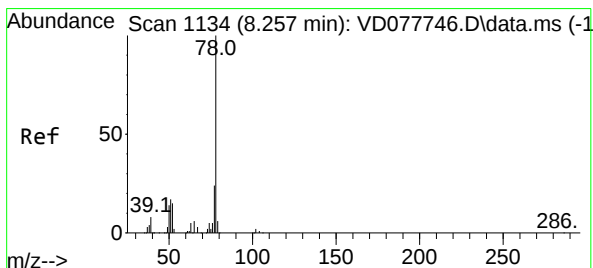
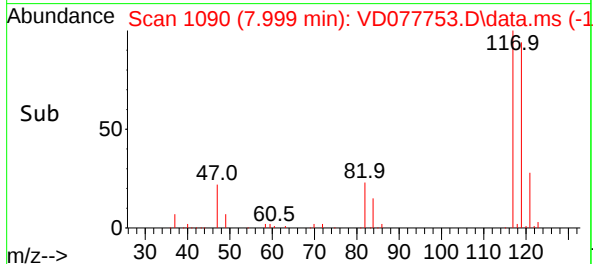
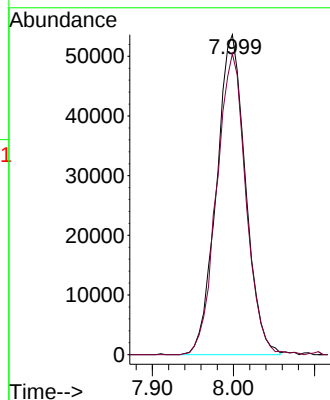
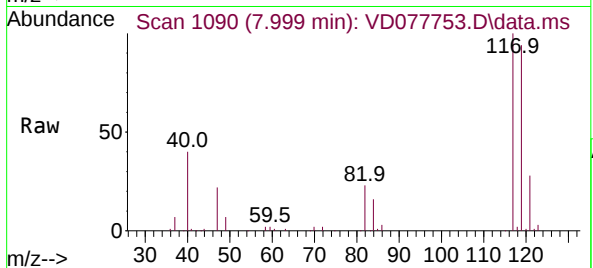




#31
Carbon tetrachloride
Concen: 22.562 ug/L
RT: 7.999 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

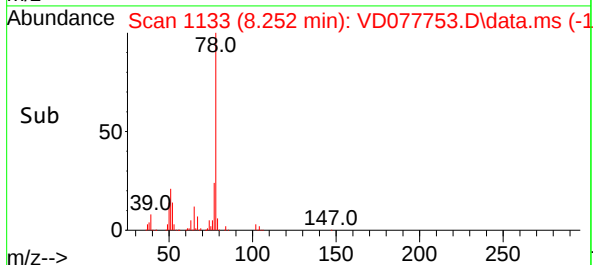
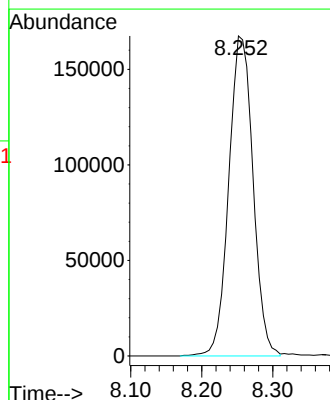
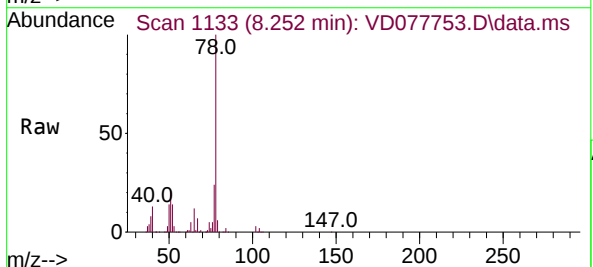
Instrument :
MSVOA_D
ClientSampleId :

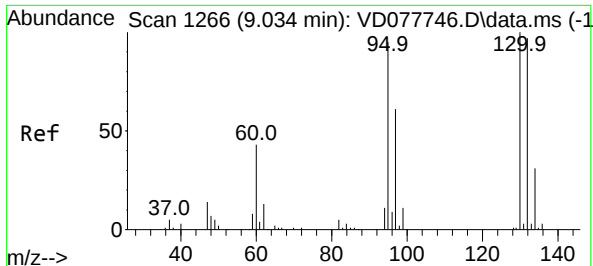
Tgt Ion:117 Resp: 133227
Ion Ratio Lower Upper
117 100
119 94.5 76.3 114.5



#33
Benzene
Concen: 22.241 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

Tgt Ion: 78 Resp: 397239



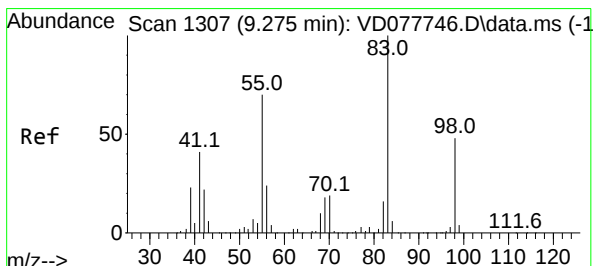
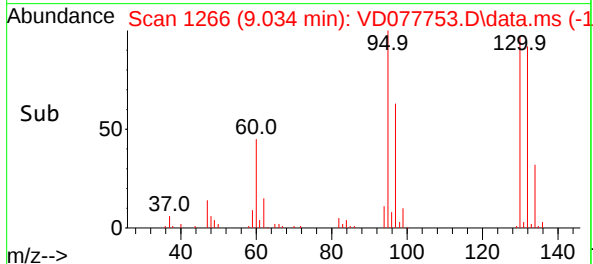
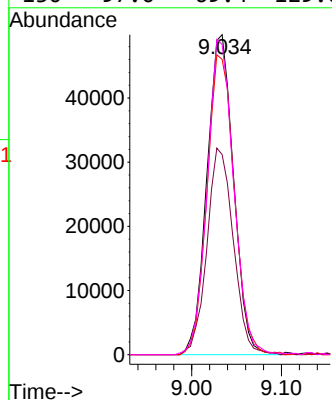
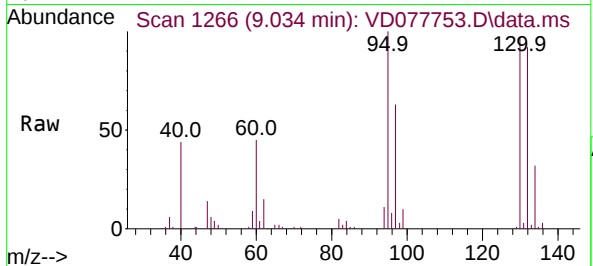


#34
Trichloroethene
Concen: 23.198 ug/L
RT: 9.034 min Scan# 1266
Delta R.T. -0.000 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 95 Resp: 102853

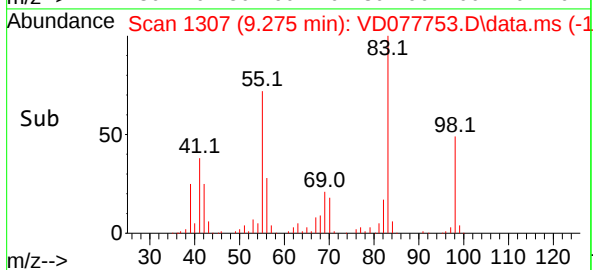
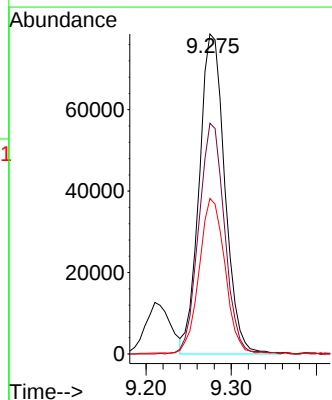
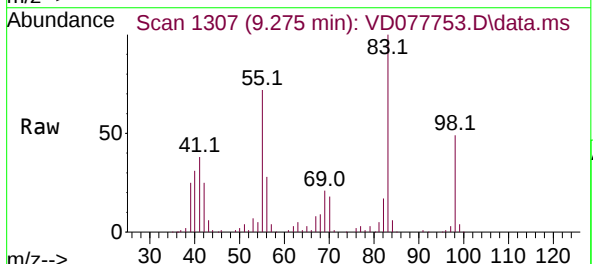
Ion	Ratio	Lower	Upper
95	100		
97	62.5	44.2	82.0
132	92.3	67.5	125.3
130	97.0	69.4	129.0

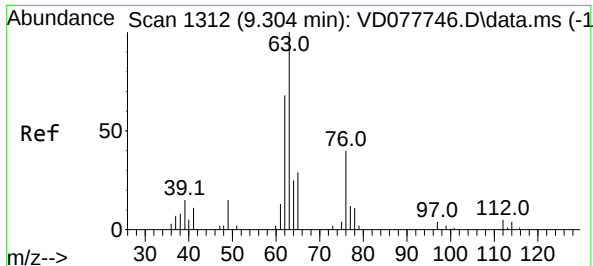


#35
Methylcyclohexane
Concen: 20.851 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

Tgt Ion: 83 Resp: 164121

Ion	Ratio	Lower	Upper
83	100		
55	72.3	59.8	89.6
98	48.8	38.5	57.7





#37

1,2-Dichloropropane

Concen: 22.440 ug/L

RT: 9.310 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077753.D

Acq: 05 Dec 2023 15:29

Instrument :

MSVOA_D

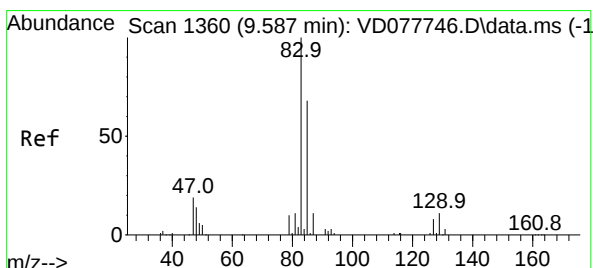
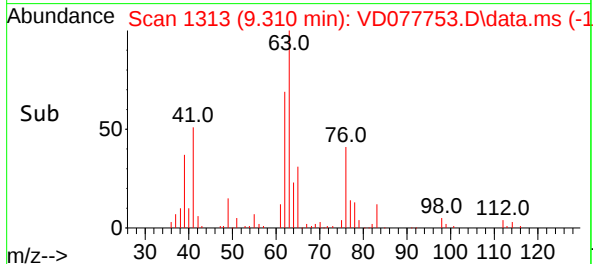
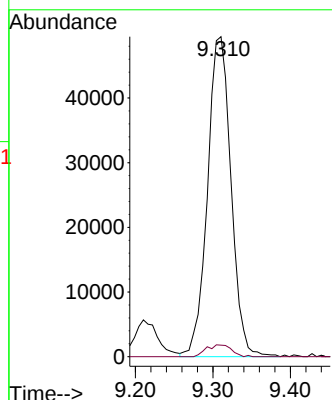
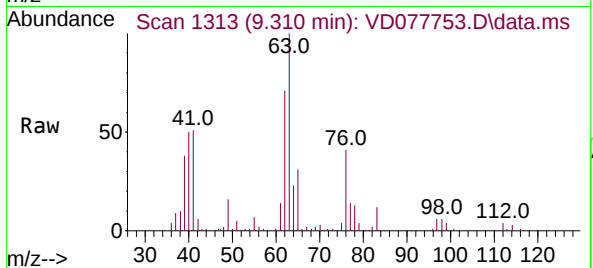
ClientSampleId :

Tgt Ion: 63 Resp: 104501

Ion Ratio Lower Upper

63 100

112 3.9 3.5 5.3



#38

Bromodichloromethane

Concen: 22.098 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. -0.000 min

Lab File: VD077753.D

Acq: 05 Dec 2023 15:29

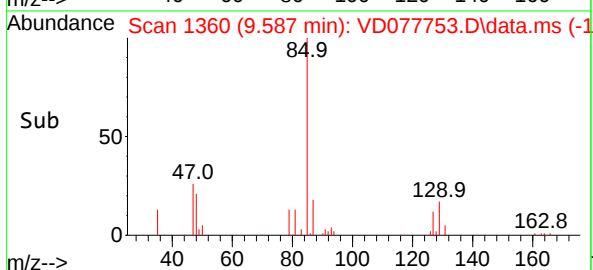
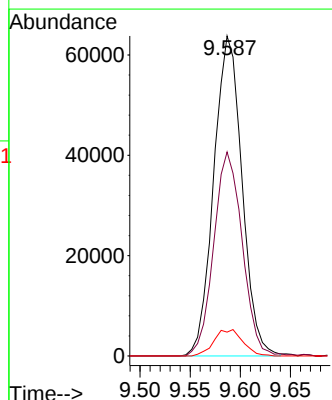
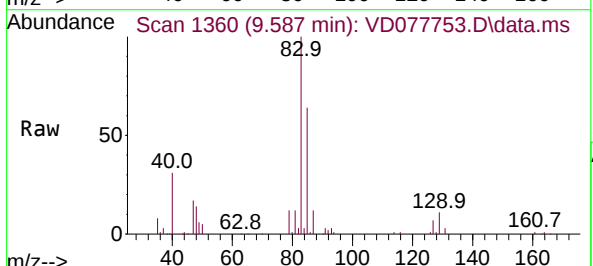
Tgt Ion: 83 Resp: 125137

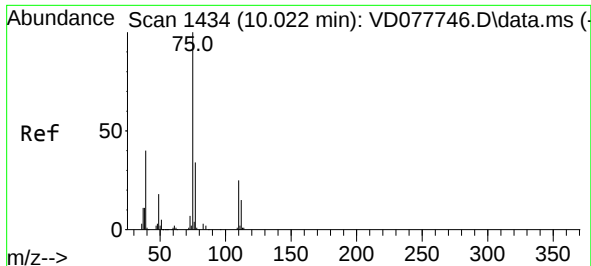
Ion Ratio Lower Upper

83 100

85 63.7 45.5 84.5

127 7.4 7.4 11.2#

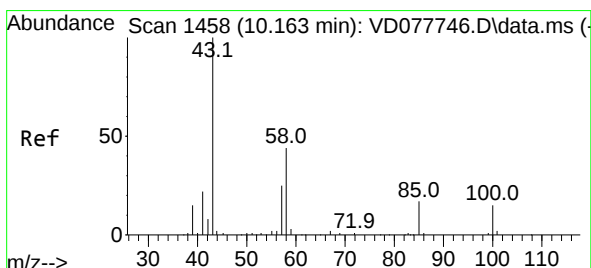
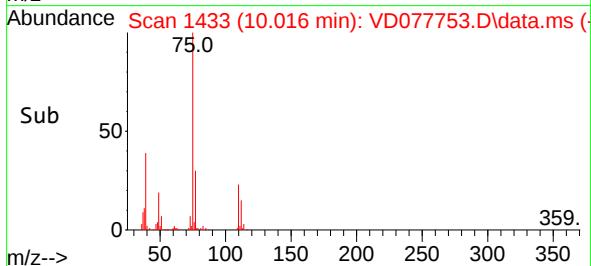
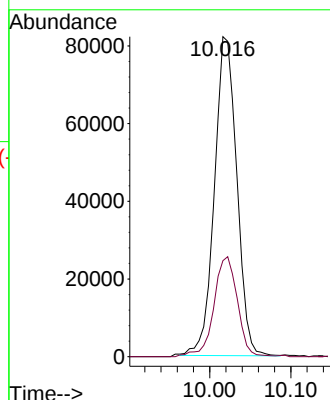
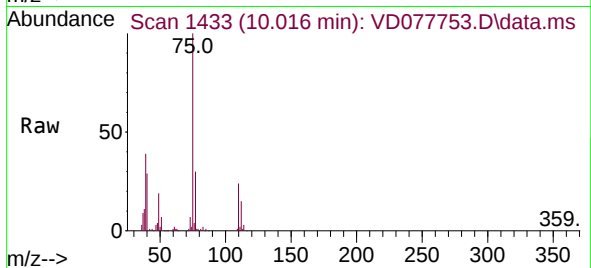




#39
cis-1,3-Dichloropropene
Concen: 21.653 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. -0.006 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

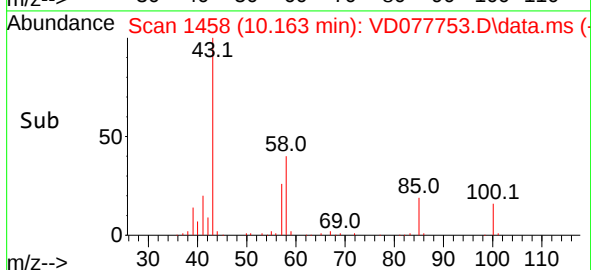
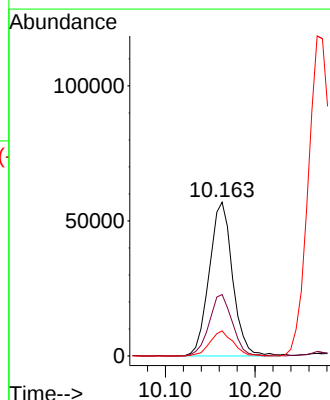
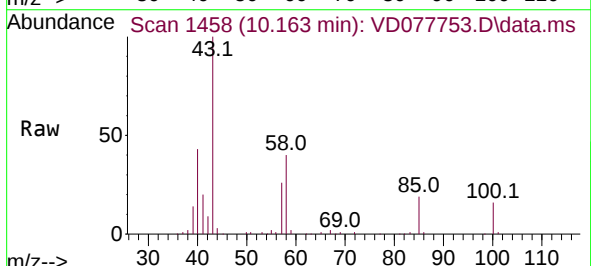
Instrument :
MSVOA_D
ClientSampleId :

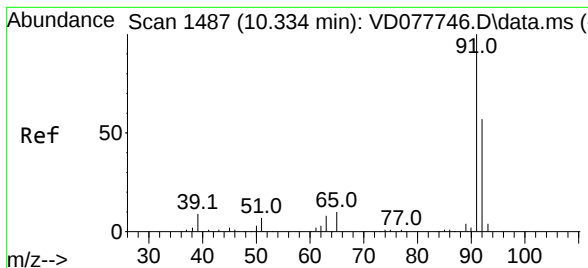
Tgt Ion: 75 Resp: 157463
Ion Ratio Lower Upper
75 100
77 30.0 21.2 39.4



#40
4-Methyl-2-pentanone
Concen: 40.046 ug/L
RT: 10.163 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

Tgt Ion: 43 Resp: 102907
Ion Ratio Lower Upper
43 100
58 39.6 31.0 46.4
100 16.0 11.9 17.9





#42

Toluene

Concen: 22.735 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD077753.D

Acq: 05 Dec 2023 15:29

Instrument :

MSVOA_D

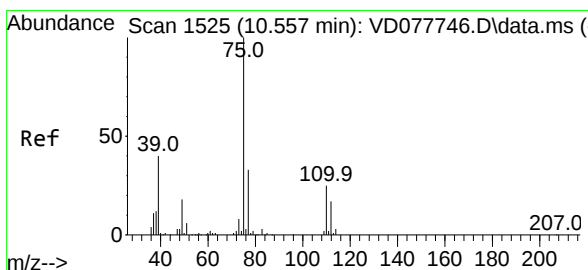
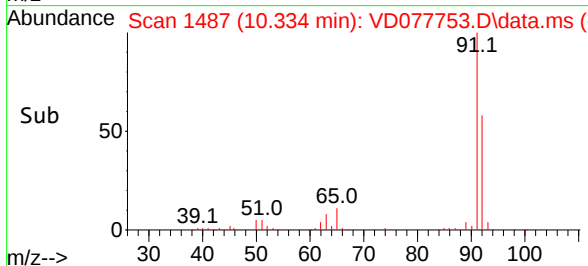
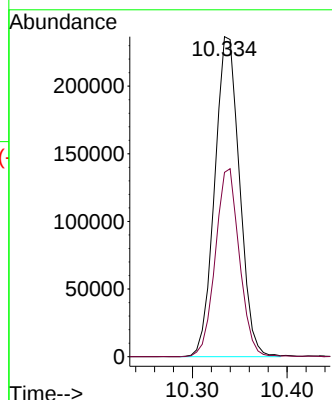
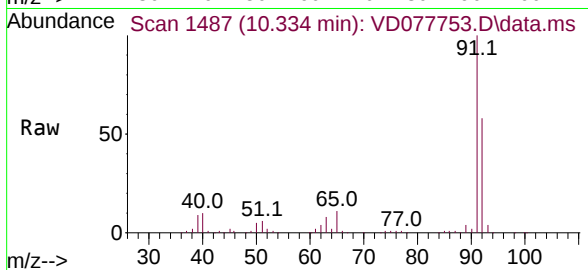
ClientSampleId :

Tgt Ion: 91 Resp: 431304

Ion Ratio Lower Upper

91 100

92 57.6 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 21.768 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. -0.000 min

Lab File: VD077753.D

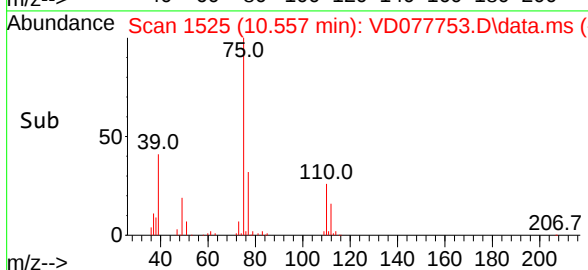
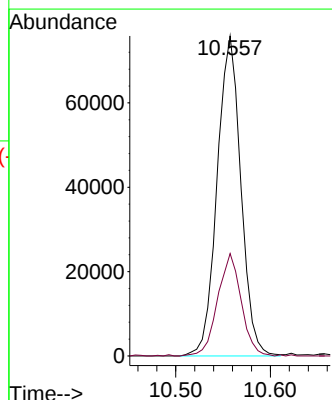
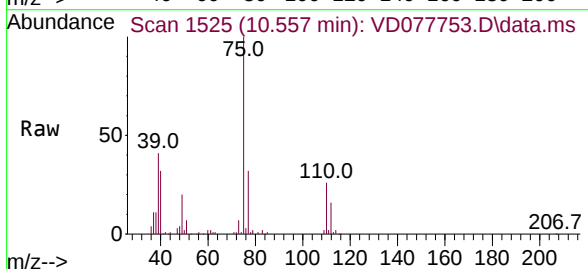
Acq: 05 Dec 2023 15:29

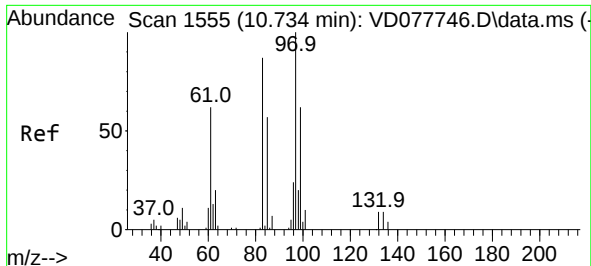
Tgt Ion: 75 Resp: 132224

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8

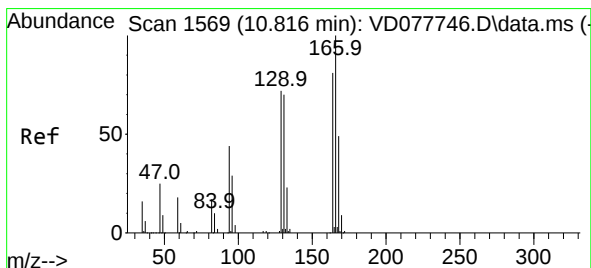
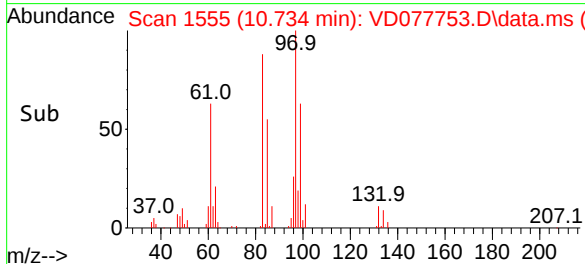
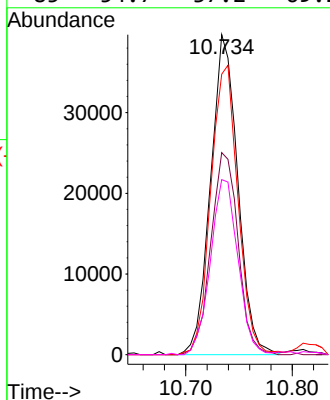
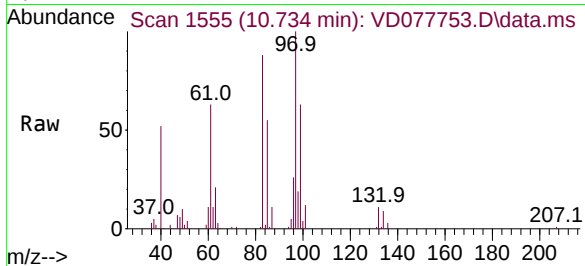




#45
1,1,2-Trichloroethane
Concen: 22.473 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

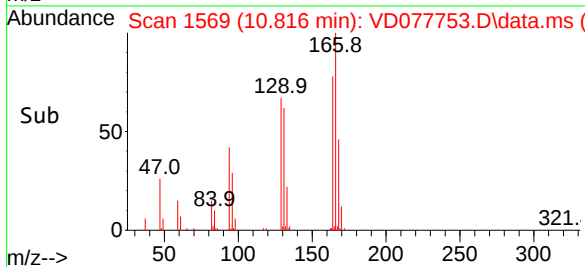
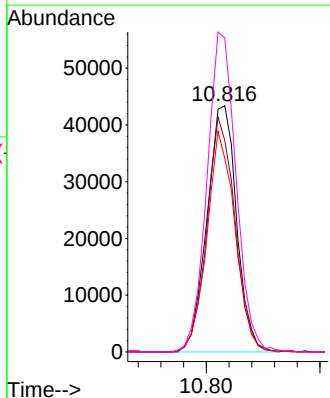
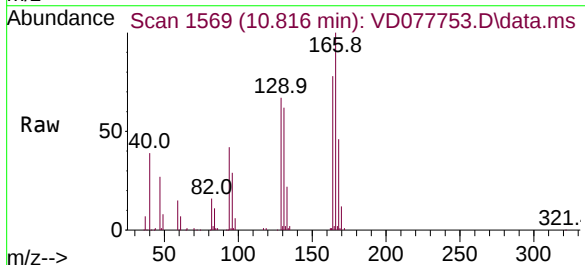
Instrument :
MSVOA_D
ClientSampleId :

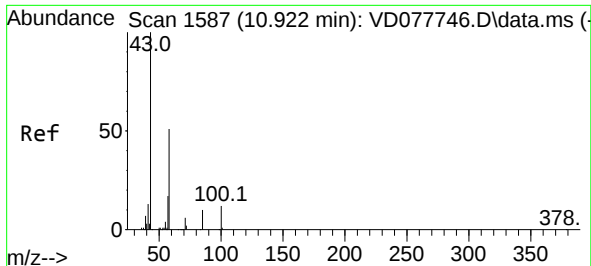
Tgt Ion: 97	Resp: 70287
Ion Ratio	Lower Upper
97 100	
99 63.2	41.7 77.5
83 87.7	63.6 118.2
85 54.7	37.2 69.2



#46
Tetrachloroethene
Concen: 21.913 ug/L
RT: 10.816 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

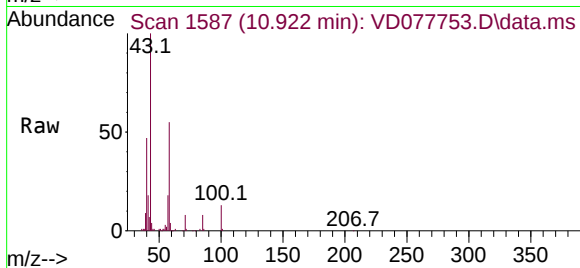
Tgt	Ion:164	Resp:	78340
Ion	Ratio	Lower	Upper
164	100		
129	85.9	61.5	114.3
131	78.6	59.1	109.9
166	127.6	85.4	158.6



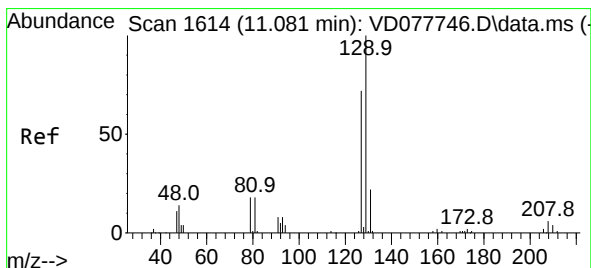
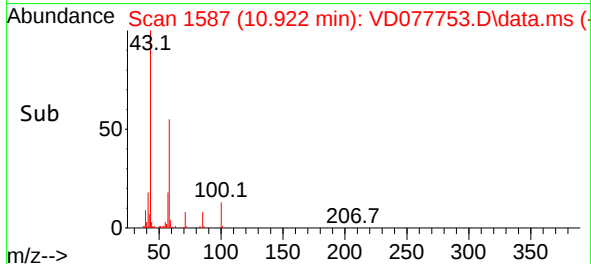
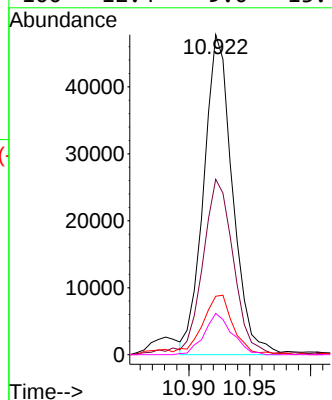


#48
2-Hexanone
Concen: 36.078 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

Instrument :
MSVOA_D
ClientSampleId :

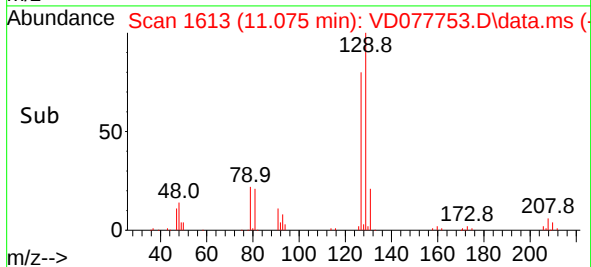
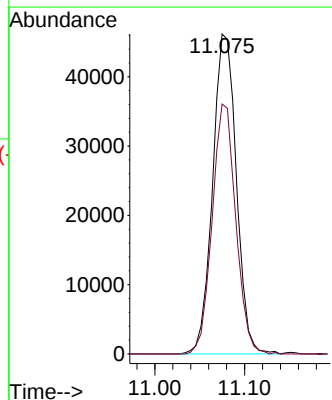
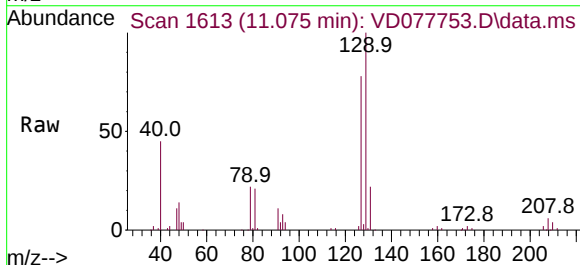


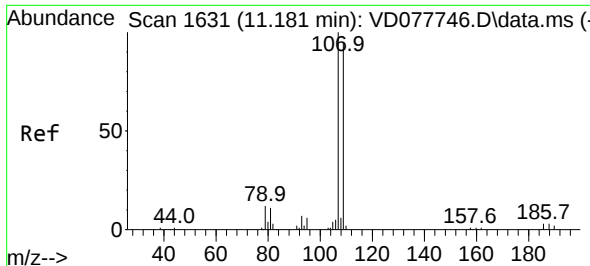
Tgt Ion: 43	Resp: 78804
Ion Ratio	Lower Upper
43 100	
58 58.7	43.0 64.6
57 19.5	13.8 20.8
100 12.4	9.0 13.4



#49
Dibromochloromethane
Concen: 22.795 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. -0.006 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

Tgt Ion:129	Resp:	84769	
Ion	Ratio	Lower	Upper
129	100		
127	78.1	52.8	98.2

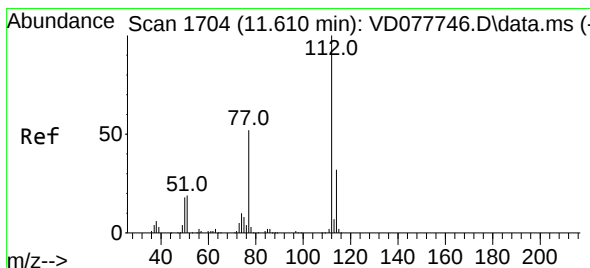
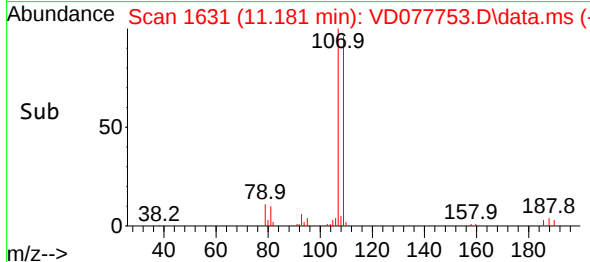
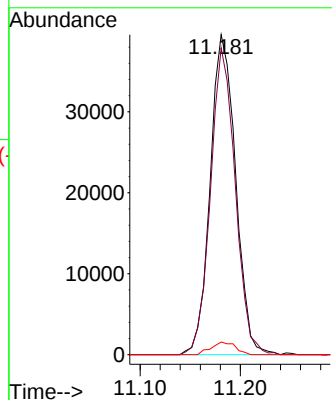
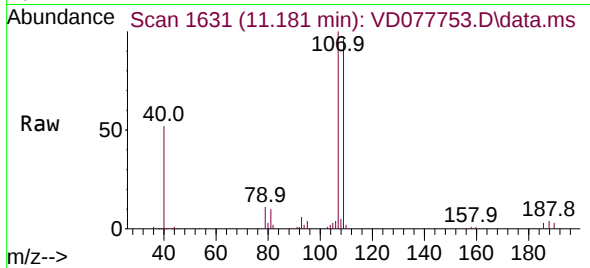




#50
1,2-Dibromoethane
Concen: 23.102 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

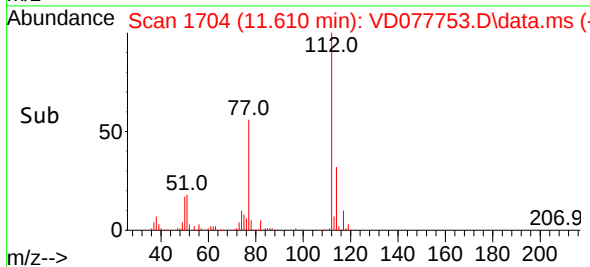
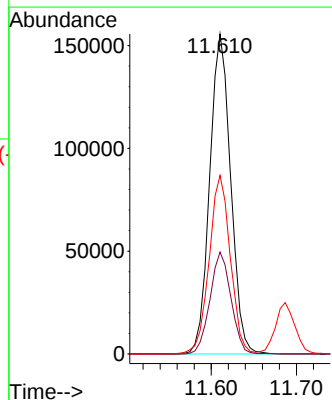
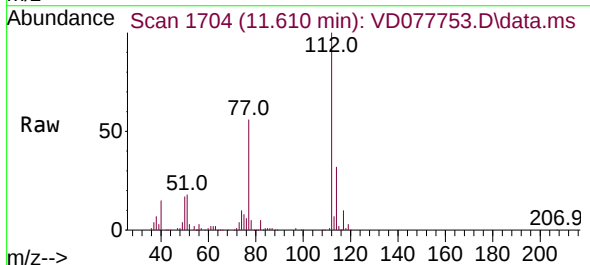
Instrument :
MSVOA_D
ClientSampleId :

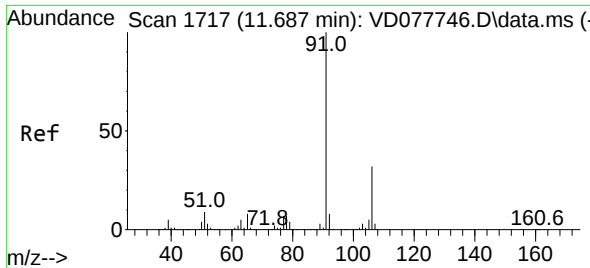
Tgt Ion:107 Resp: 69679
Ion Ratio Lower Upper
107 100
109 95.9 64.2 119.2
188 4.0 2.3 3.5#



#51
Chlorobenzene
Concen: 22.604 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

Tgt Ion:112 Resp: 265900
Ion Ratio Lower Upper
112 100
114 31.9 22.5 41.9
77 55.8 46.4 69.6

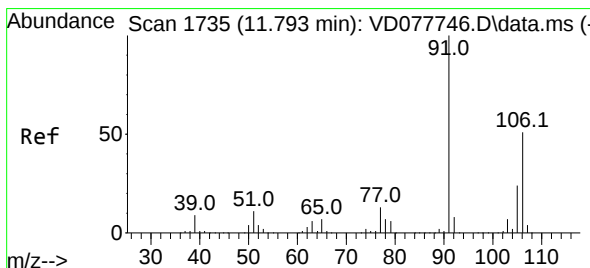
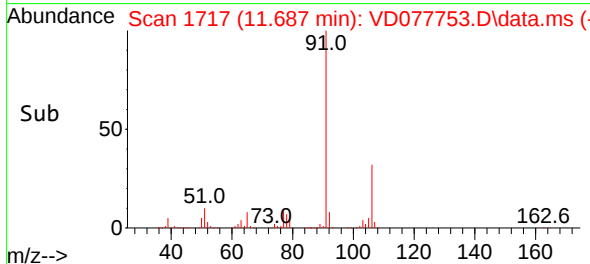
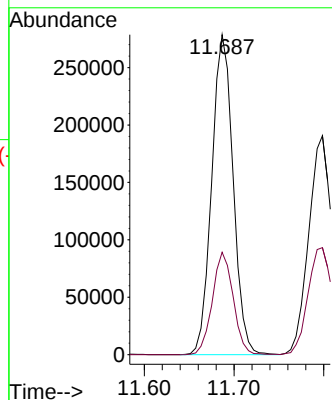
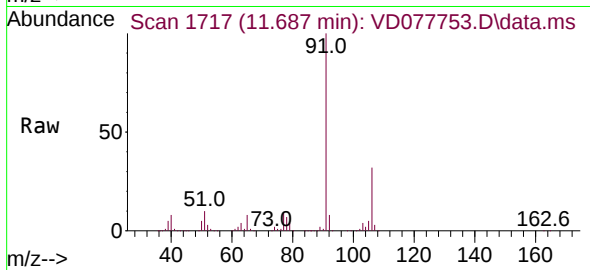




#52
Ethylbenzene
Concen: 21.922 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

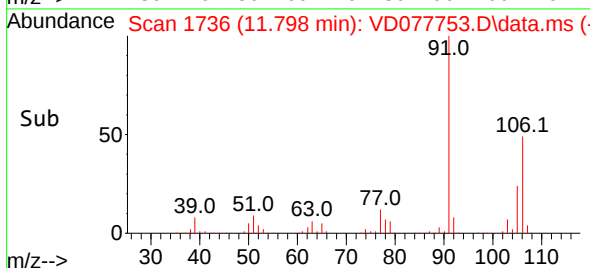
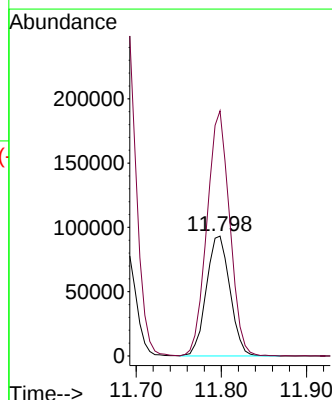
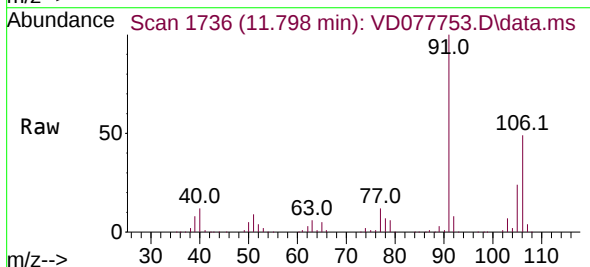
Instrument :
MSVOA_D
ClientSampleId :

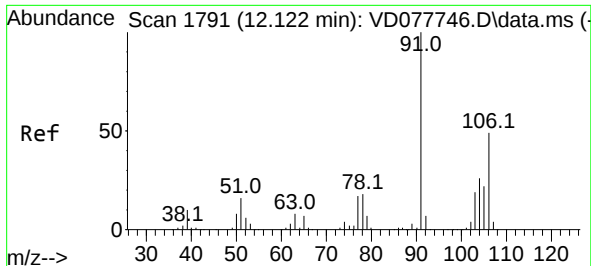
Tgt Ion: 91 Resp: 461035
Ion Ratio Lower Upper
91 100
106 32.0 22.4 41.6



#53
m,p-Xylene
Concen: 22.568 ug/L
RT: 11.798 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

Tgt Ion:106 Resp: 179334
Ion Ratio Lower Upper
106 100
91 204.6 140.8 261.6

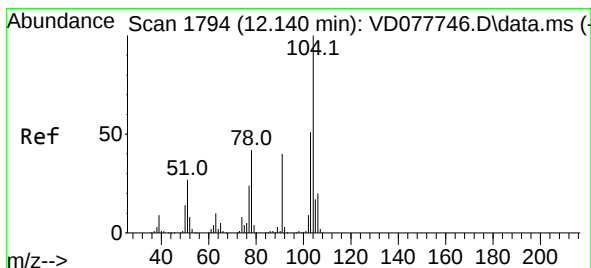
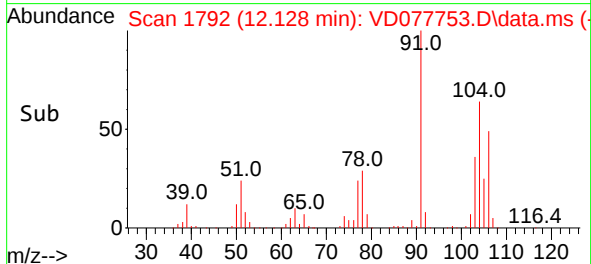
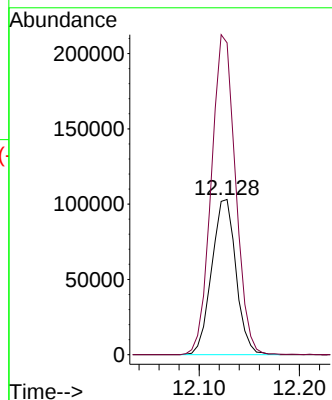
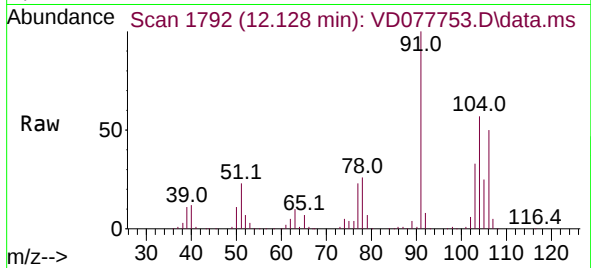




#54
o-Xylene
Concen: 22.812 ug/L
RT: 12.128 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

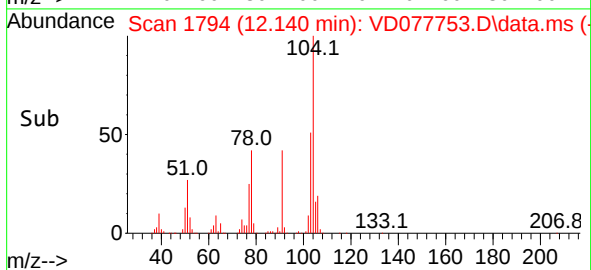
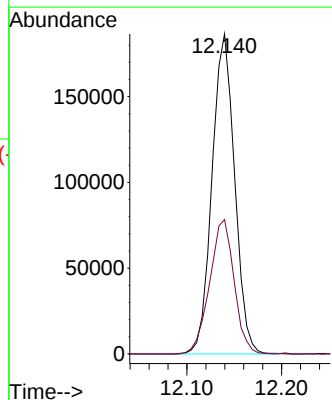
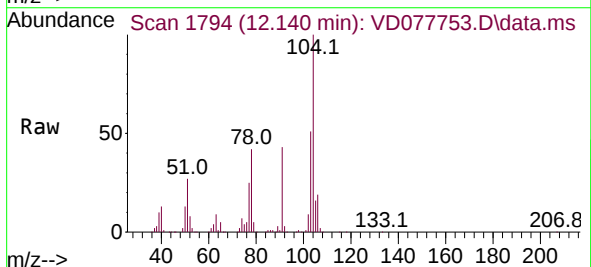
Instrument :
MSVOA_D
ClientSampleId :

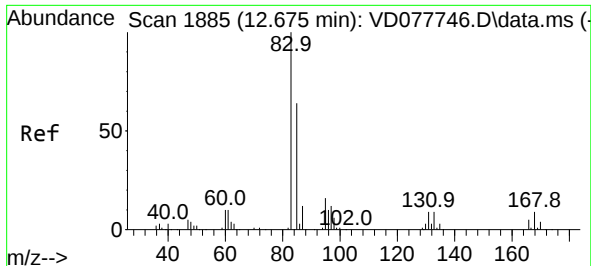
Tgt Ion:106 Resp: 173487
Ion Ratio Lower Upper
106 100
91 200.9 152.2 282.7



#55
Styrene
Concen: 23.223 ug/L
RT: 12.140 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

Tgt Ion:104 Resp: 309036
Ion Ratio Lower Upper
104 100
78 42.0 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 22.227 ug/L

RT: 12.675 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD077753.D

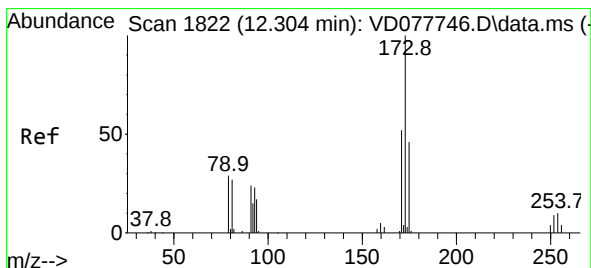
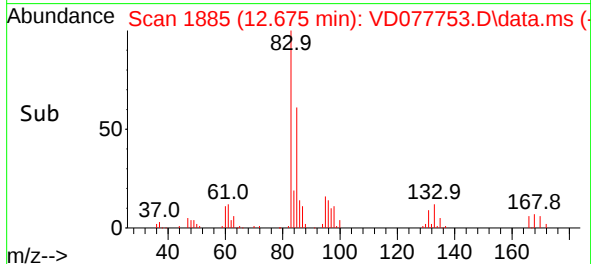
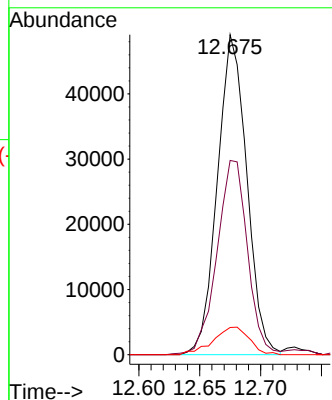
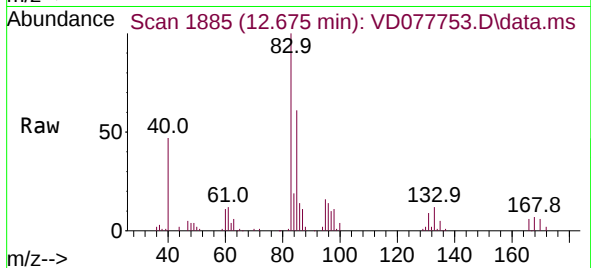
Acq: 05 Dec 2023 15:29

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	83	Resp:	82370
Ion	Ratio	Lower	Upper
83	100		
85	60.7	43.3	80.5
131	8.5	7.3	10.9



#59

Bromoform

Concen: 23.147 ug/L

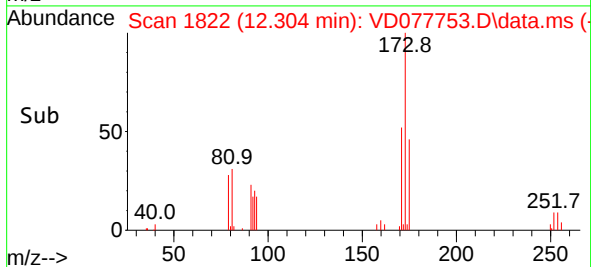
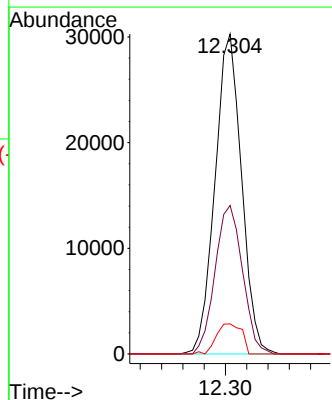
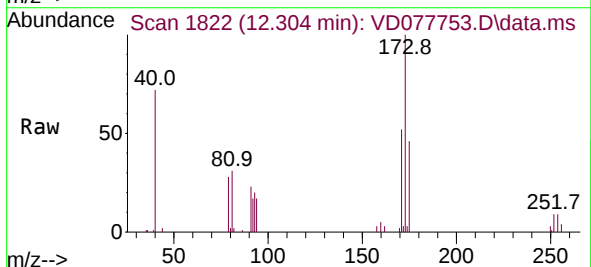
RT: 12.304 min Scan# 1822

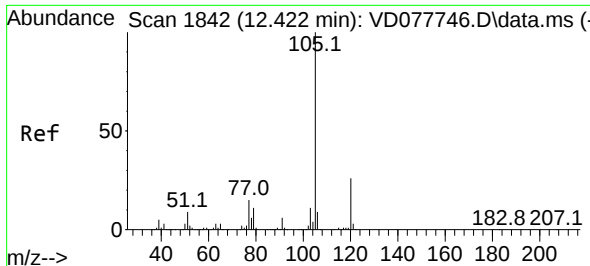
Delta R.T. -0.000 min

Lab File: VD077753.D

Acq: 05 Dec 2023 15:29

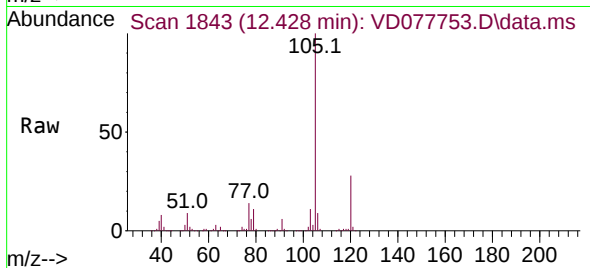
Tgt Ion:	173	Resp:	52324
Ion	Ratio	Lower	Upper
173	100		
175	48.0	38.7	58.1
254	8.9	1.8	2.8



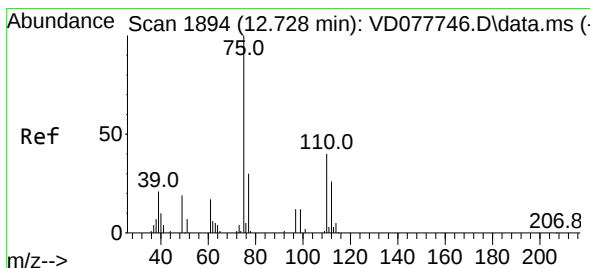
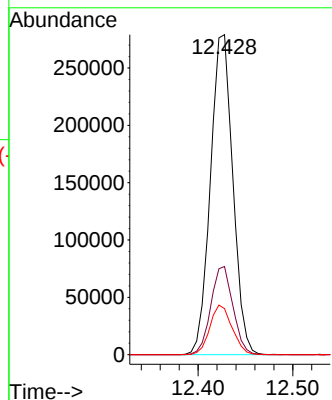
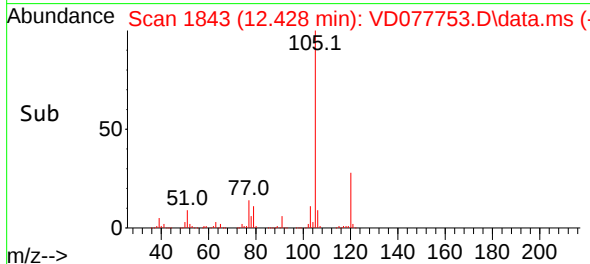


#60
Isopropylbenzene
Concen: 22.486 ug/L
RT: 12.428 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

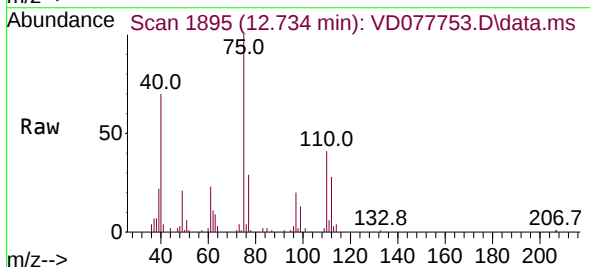
Instrument :
MSVOA_D
ClientSampleId :



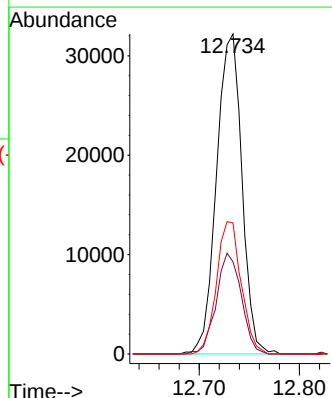
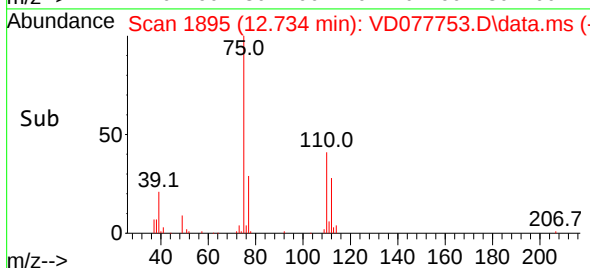
Tgt Ion:105 Resp: 458505
Ion Ratio Lower Upper
105 100
120 27.2 21.3 31.9
77 15.4 12.6 18.8

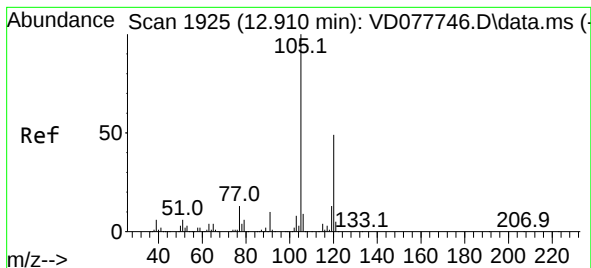


#61
1,2,3-Trichloropropane
Concen: 22.454 ug/L
RT: 12.734 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29



Tgt Ion: 75 Resp: 56425
Ion Ratio Lower Upper
75 100
77 31.2 26.8 40.2
110 40.4 33.4 50.2

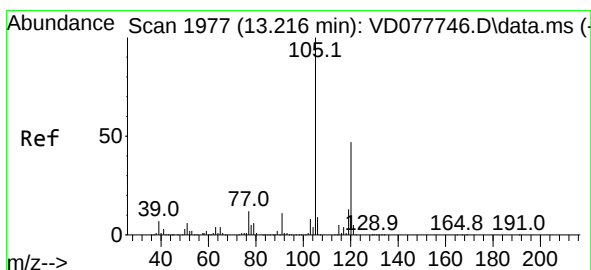
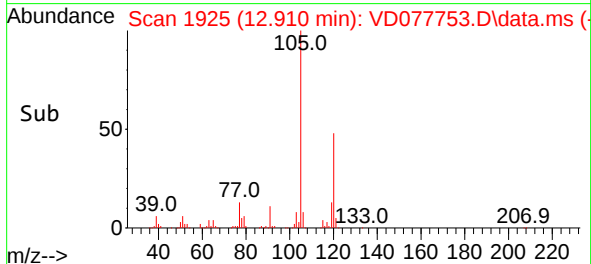
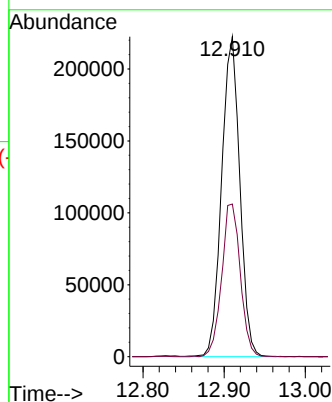
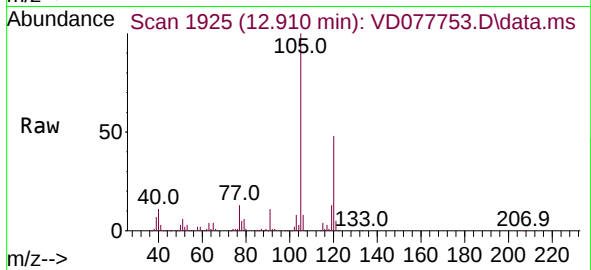




#62
 1,3,5-Trimethylbenzene
 Concen: 22.608 ug/L
 RT: 12.910 min Scan# 1925
 Delta R.T. -0.000 min
 Lab File: VD077753.D
 Acq: 05 Dec 2023 15:29

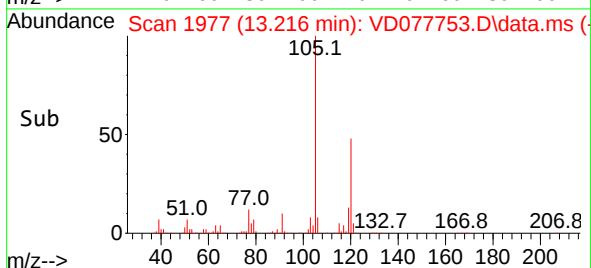
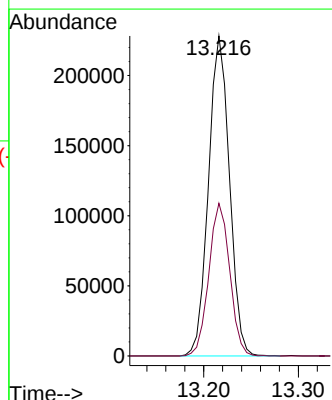
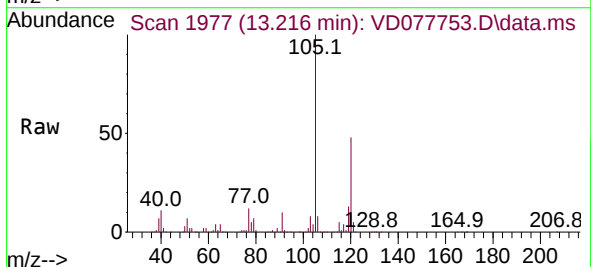
Instrument :
 MSVOA_D
 ClientSampleId :

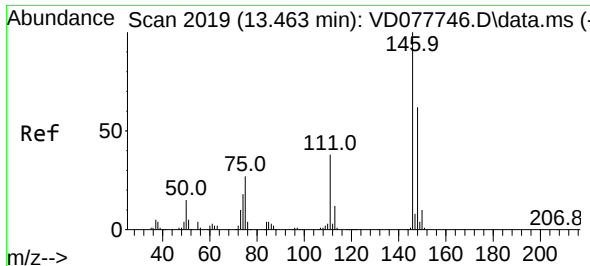
Tgt Ion:105 Resp: 346248
 Ion Ratio Lower Upper
 105 100
 120 48.9 39.5 59.3



#63
 1,2,4-Trimethylbenzene
 Concen: 22.594 ug/L
 RT: 13.216 min Scan# 1977
 Delta R.T. -0.000 min
 Lab File: VD077753.D
 Acq: 05 Dec 2023 15:29

Tgt Ion:105 Resp: 350855
 Ion Ratio Lower Upper
 105 100
 120 47.4 37.1 55.7

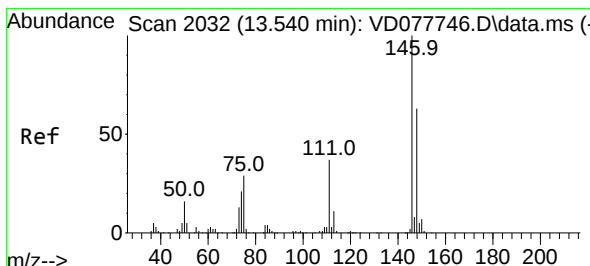
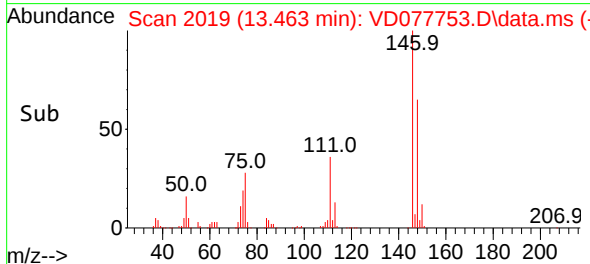
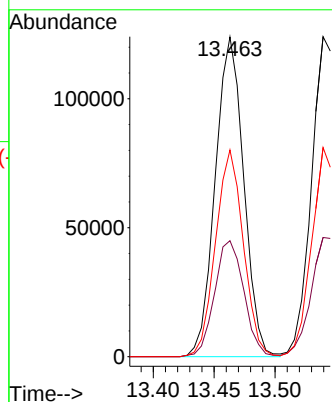
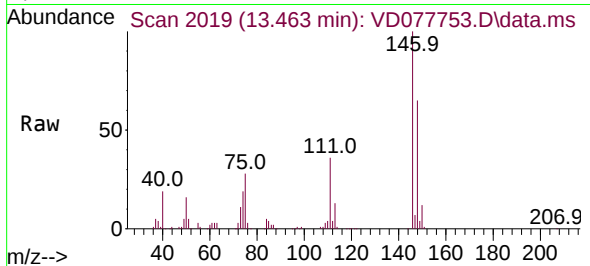




#64
1,3-Dichlorobenzene
Concen: 22.855 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

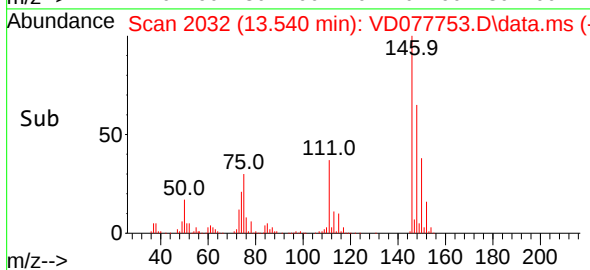
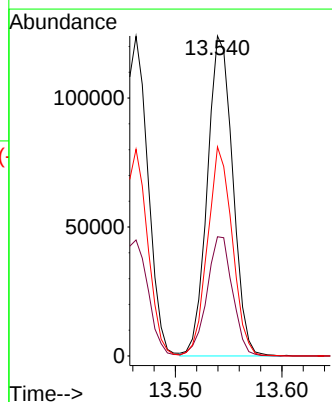
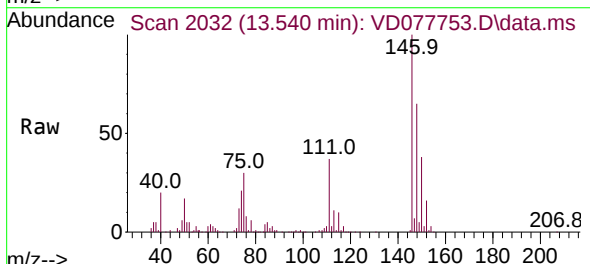
Instrument :
MSVOA_D
ClientSampleId :

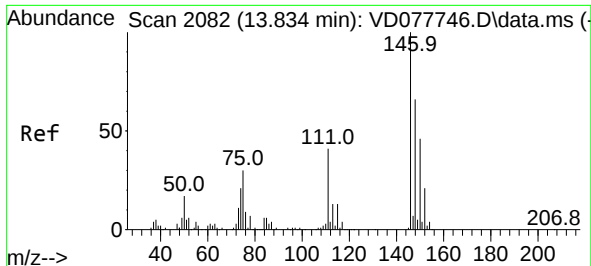
Tgt Ion:146 Resp: 201548
Ion Ratio Lower Upper
146 100
111 36.3 26.6 49.4
148 64.7 44.0 81.6



#65
1,4-Dichlorobenzene
Concen: 22.501 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD077753.D
Acq: 05 Dec 2023 15:29

Tgt Ion:146 Resp: 205906
Ion Ratio Lower Upper
146 100
111 37.3 26.4 49.0
148 65.3 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 22.857 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD077753.D

Acq: 05 Dec 2023 15:29

Instrument :

MSVOA_D

ClientSampleId :

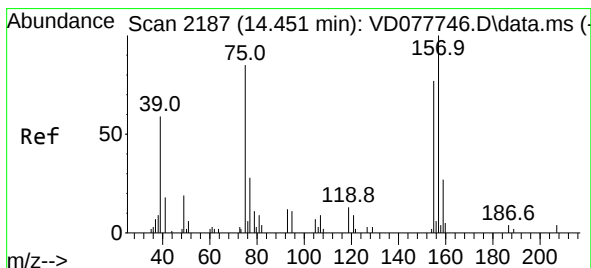
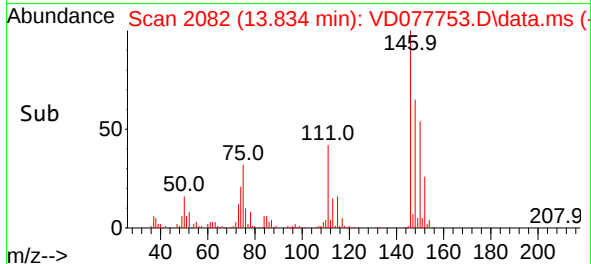
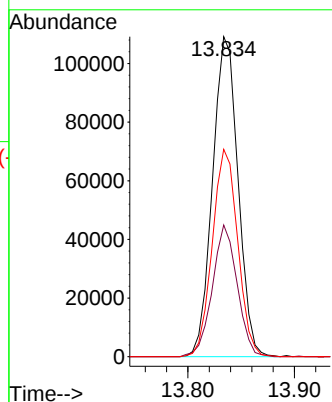
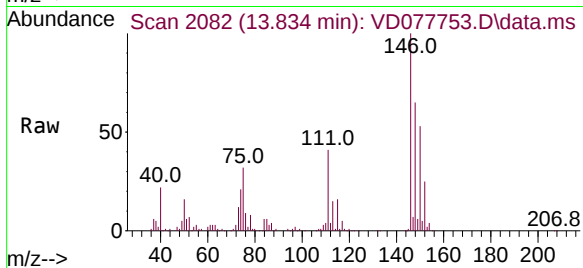
Tgt Ion:146 Resp: 181383

Ion Ratio Lower Upper

146 100

111 41.2 31.4 47.2

148 64.8 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 19.035 ug/L

RT: 14.457 min Scan# 2188

Delta R.T. 0.006 min

Lab File: VD077753.D

Acq: 05 Dec 2023 15:29

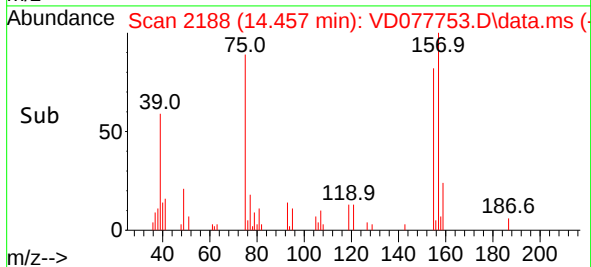
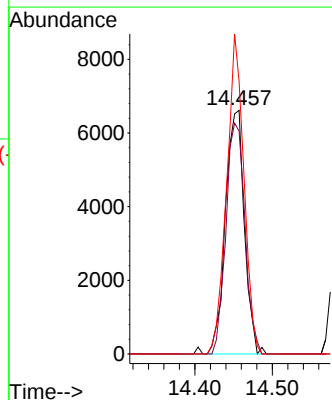
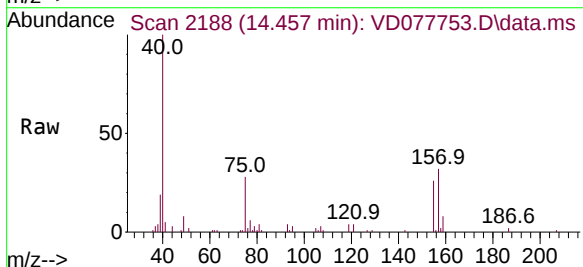
Tgt Ion: 75 Resp: 11279

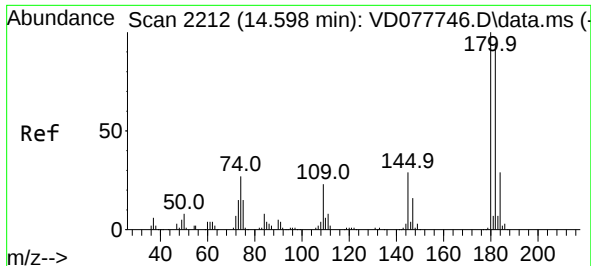
Ion Ratio Lower Upper

75 100

155 91.4 69.2 103.8

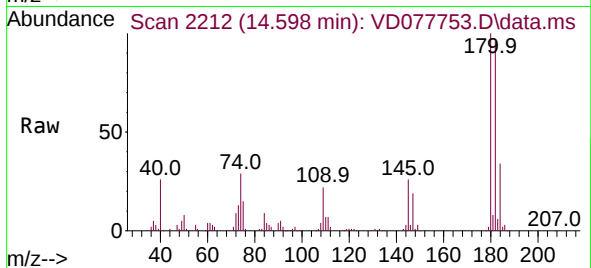
157 111.9 86.6 130.0



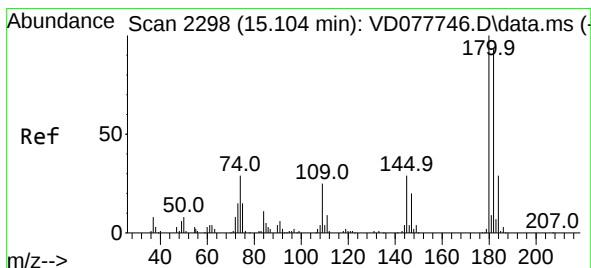
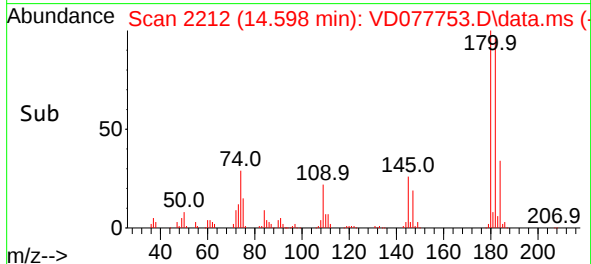
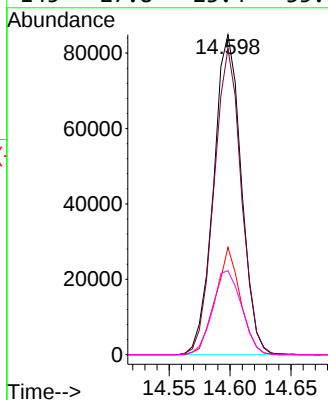


#69
 1,3,5-Trichlorobenzene
 Concen: 22.315 ug/L
 RT: 14.598 min Scan# 211
 Delta R.T. -0.000 min
 Lab File: VD077753.D
 Acq: 05 Dec 2023 15:29

Instrument :
 MSVOA_D
 ClientSampleId :

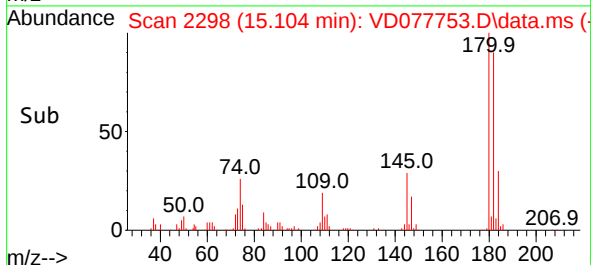
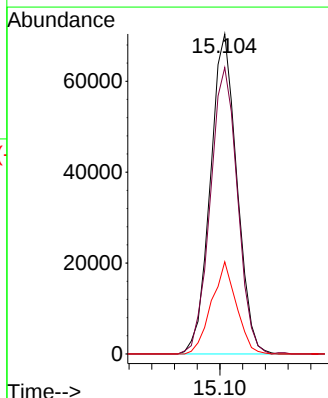
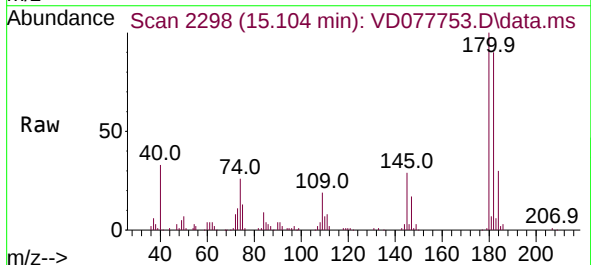


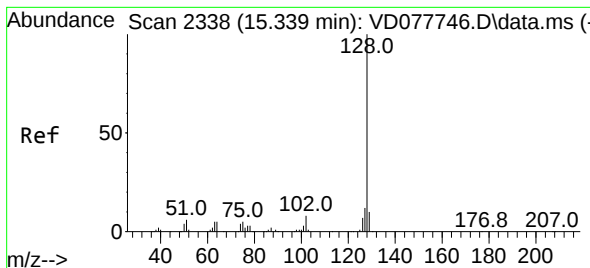
Tgt Ion:	180	Resp:	134004
Ion Ratio	Lower	Upper	
180	100		
182	94.4	77.0	115.4
184	30.2	24.3	36.5
145	27.8	23.4	35.0



#70
 1,2,4-trichlorobenzene
 Concen: 22.432 ug/L
 RT: 15.104 min Scan# 2298
 Delta R.T. -0.000 min
 Lab File: VD077753.D
 Acq: 05 Dec 2023 15:29

Tgt Ion:	180	Resp:	114357
Ion Ratio	Lower	Upper	
180	100		
182	91.5	77.0	115.6
145	26.9	23.9	35.9





#71

Naphthalene

Concen: 21.915 ug/L

RT: 15.339 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD077753.D

Acq: 05 Dec 2023 15:29

Instrument :

MSVOA_D

ClientSampleId :

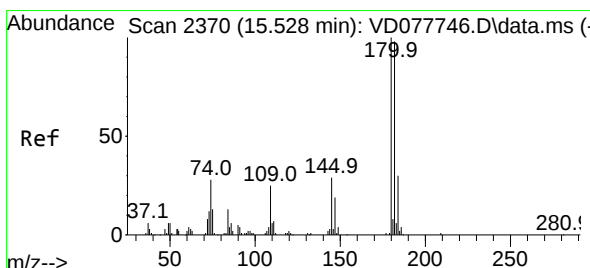
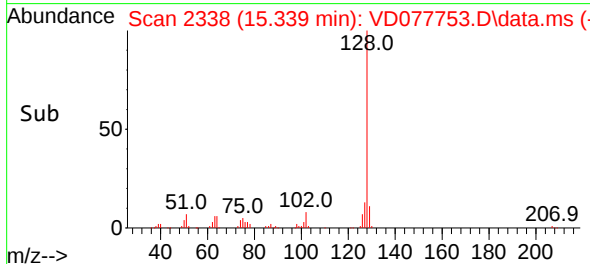
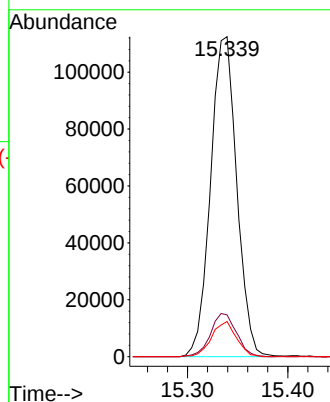
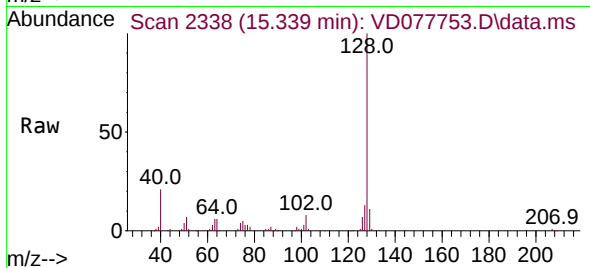
Tgt Ion:128 Resp: 204242

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

129 10.4 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 21.797 ug/L

RT: 15.528 min Scan# 2370

Delta R.T. -0.000 min

Lab File: VD077753.D

Acq: 05 Dec 2023 15:29

Tgt Ion:180 Resp: 97411

Ion Ratio Lower Upper

180 100

182 94.2 77.3 115.9

145 30.8 25.2 37.8

