

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112923\
 Data File : VD077703.D
 Acq On : 29 Nov 2023 16:23
 Operator : JC/SY
 Sample : VSTD100
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 29 23:56:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Nov 29 23:54:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	322973	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	311914	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	167846	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	852068	102.083	ug/L	0.00
7) Chloroethane-d5	2.799	69	659129	101.637	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.922	65	221027	89.471	ug/L	0.00
21) 2-Butanone-d5	6.987	46	237595	175.688	ug/L	0.00
24) Chloroform-d	7.569	84	873932	95.548	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	465713	96.012	ug/L	0.00
32) Benzene-d6	8.205	84	1860681	93.699	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	552072	86.497	ug/L	0.00
41) Toluene-d8	10.275	98	1771786	97.876	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	258012	93.248	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	219733	193.775	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	438266	102.297	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.822	152	604903	102.525	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	551207	105.994	ug/L	98
3) Chloromethane	2.152	50	758046	101.434	ug/L	99
5) Vinyl chloride	2.287	62	981857	114.108	ug/L	99
6) Bromomethane	2.693	94	554031	122.852	ug/L	98
8) Chloroethane	2.840	64	601602	112.748	ug/L	100
9) Trichlorofluoromethane	3.175	101	800707	104.592	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	498254	105.696	ug/L	98
12) 1,1-Dichloroethene	4.058	96	934	0.206	ug/L	85
13) Acetone	4.022	43	336682	227.070	ug/L	99
14) Carbon disulfide	4.275	76	1646105	100.107	ug/L	100
15) Methyl Acetate	4.569	43	215523	90.956	ug/L	99
16) Methylene chloride	4.805	84	482096	88.889	ug/L	91
17) trans-1,2-Dichloroethene	5.316	96	502652	105.243	ug/L	97
18) Methyl tert-butyl Ether	5.322	73	1144967	103.701	ug/L	99
19) 1,1-Dichloroethane	6.116	63	885036	93.445	ug/L	98
20) cis-1,2-Dichloroethene	7.087	96	541257	104.398	ug/L	99
22) 2-Butanone	7.205	43	866	0.487	ug/L	99
23) Bromochloromethane	7.428	128	225225	107.324	ug/L	98
25) Chloroform	7.599	83	886918	101.173	ug/L	95
27) 1,2-Dichloroethane	8.328	62	566643	98.068	ug/L	98
29) Cyclohexane	7.881	56	870712	88.681	ug/L	99
30) 1,1,1-Trichloroethane	7.799	97	761526	94.736	ug/L	99
31) Carbon tetrachloride	7.993	117	683582	98.208	ug/L	100
33) Benzene	8.252	78	2116573	99.348	ug/L	100
34) Trichloroethene	9.028	95	522573	98.810	ug/L	99
35) Methylcyclohexane	9.275	83	961181	100.833	ug/L	100
37) 1,2-Dichloropropane	9.305	63	545642	92.704	ug/L	99
38) Bromodichloromethane	9.587	83	650664	96.106	ug/L	98
39) cis-1,3-Dichloropropene	10.022	75	887943	98.348	ug/L	98
40) 4-Methyl-2-pentanone	10.163	43	648346	184.661	ug/L	99
42) Toluene	10.334	91	2316150	103.092	ug/L	97
44) trans-1,3-Dichloropropene	10.557	75	762356	102.040	ug/L	99

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

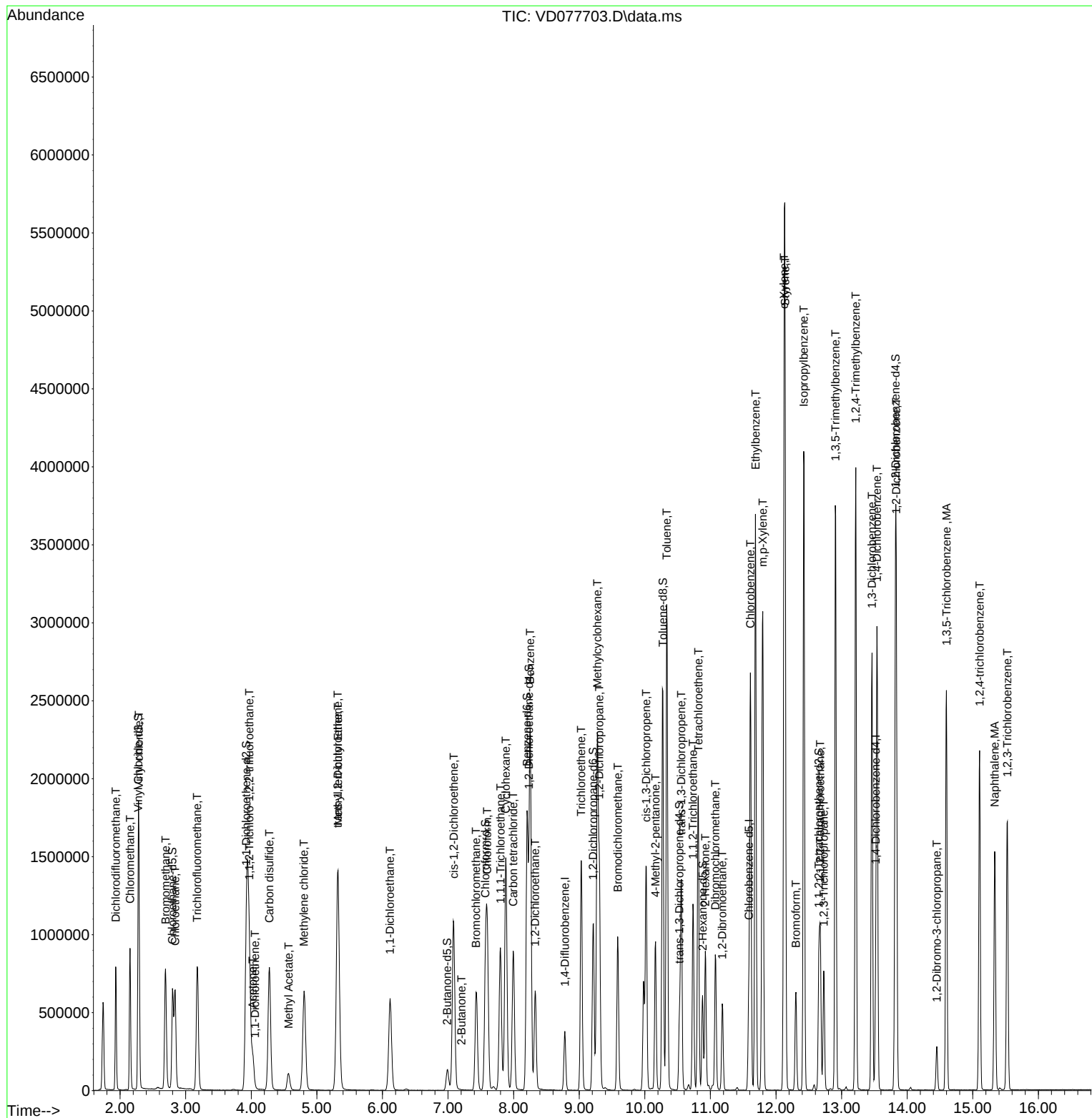
45) 1,1,2-Trichloroethane	10.734	97	383756	105.394	ug/L	96
46) Tetrachloroethene	10.816	164	432424	109.633	ug/L	99
48) 2-Hexanone	10.922	43	579039	203.338	ug/L	98
49) Dibromochloromethane	11.075	129	446868	107.507	ug/L	97
50) 1,2-Dibromoethane	11.181	107	369090	105.807	ug/L #	100
51) Chlorobenzene	11.610	112	1424103	107.361	ug/L	99
52) Ethylbenzene	11.687	91	2594042	105.235	ug/L	99
53) m,p-Xylene	11.798	106	990232	109.657	ug/L	95
54) o-Xylene	12.122	106	998654	115.018	ug/L	96
55) Styrene	12.140	104	1752740	115.398	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.675	83	465193	108.756	ug/L	97
59) Bromoform	12.304	173	282152	99.562	ug/L #	98
60) Isopropylbenzene	12.422	105	2652349	99.230	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	313082	90.060	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	2029465	100.448	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	2089066	101.948	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	1132590	102.714	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	1151753	102.966	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	1035543	105.458	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.451	75	66466	87.246	ug/L	86
69) 1,3,5-Trichlorobenzene	14.598	180	804980	107.372	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	688270	109.018	ug/L	98
71) Naphthalene	15.334	128	1307105	110.109	ug/L	100
72) 1,2,3-Trichlorobenzene	15.528	180	595996	110.070	ug/L	98

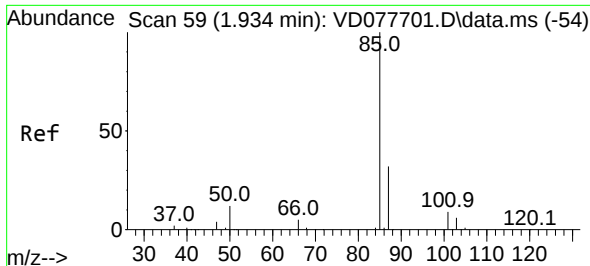
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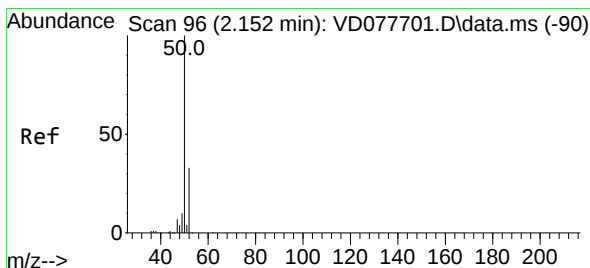
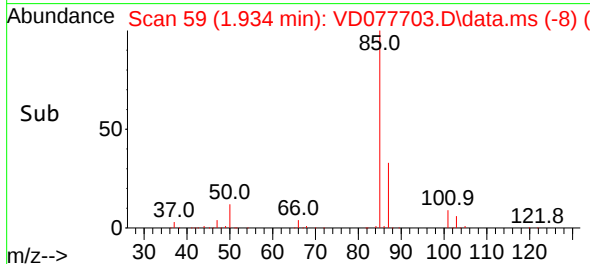
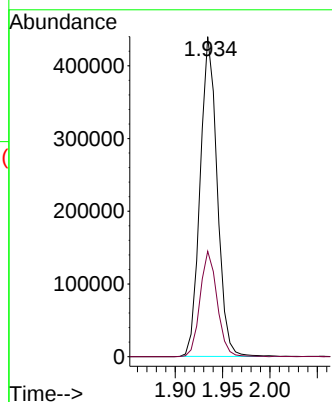
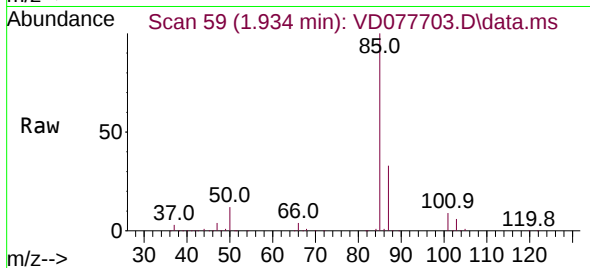




#2
 Dichlorodifluoromethane
 Concen: 105.994 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD077703.D
 Acq: 29 Nov 2023 16:23

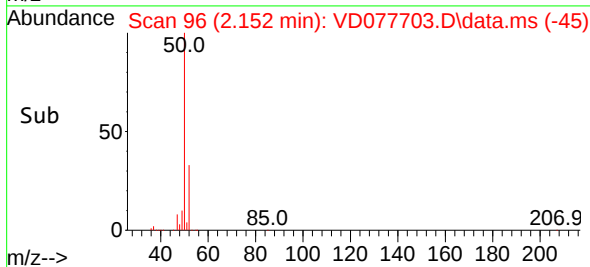
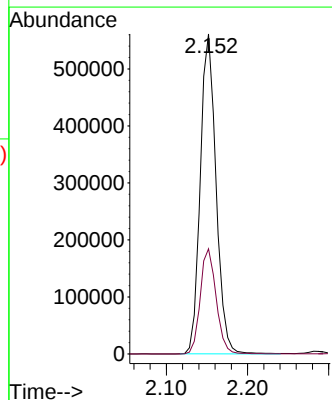
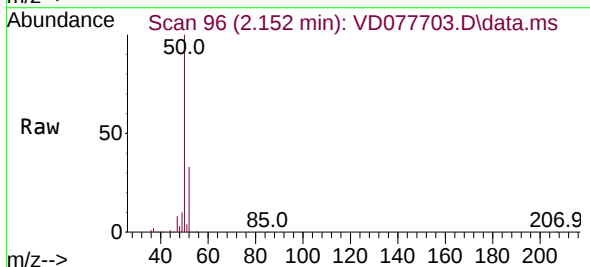
Instrument :
 MSVOA_D
 ClientSampleId :

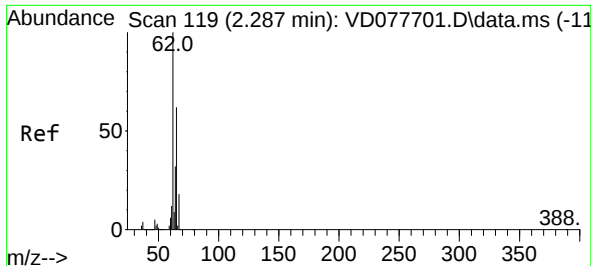
Tgt Ion: 85 Resp: 551207
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.6 38.4



#3
 Chloromethane
 Concen: 101.434 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VD077703.D
 Acq: 29 Nov 2023 16:23

Tgt Ion: 50 Resp: 758046
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.2 43.2

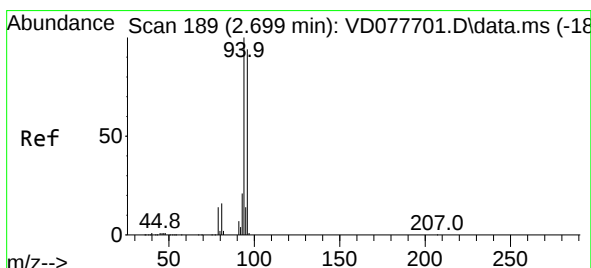
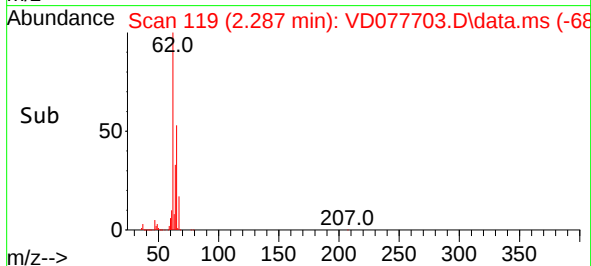
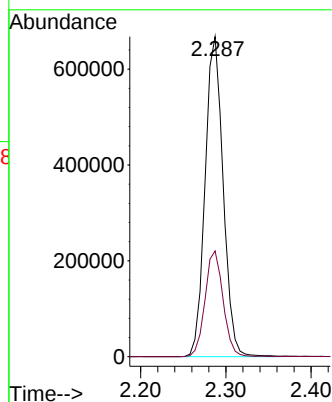
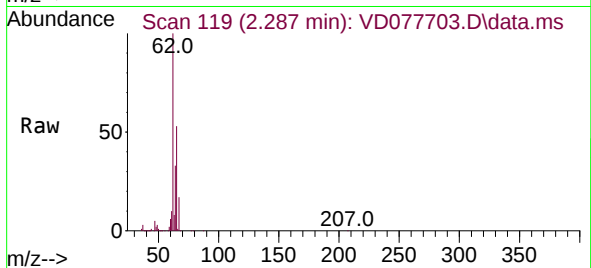




#5
 Vinyl chloride
 Concen: 114.108 ug/L
 RT: 2.287 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VD077703.D
 Acq: 29 Nov 2023 16:23

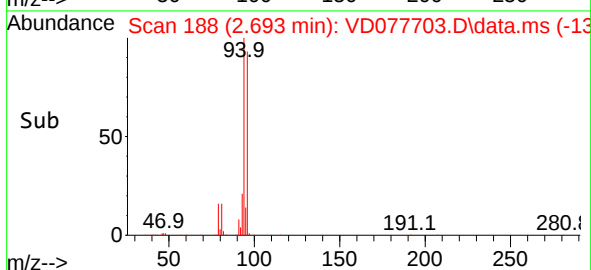
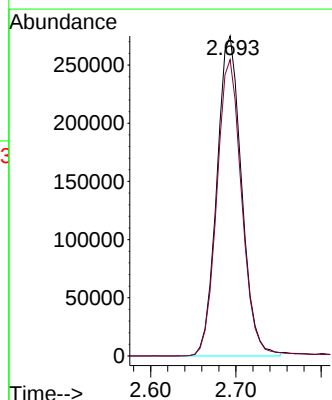
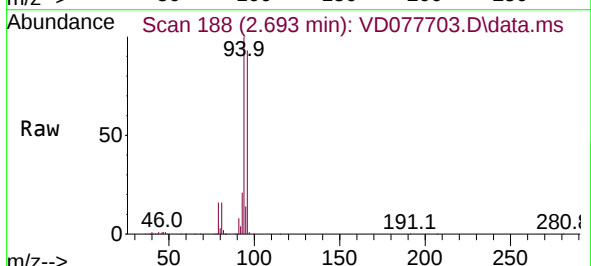
Instrument :
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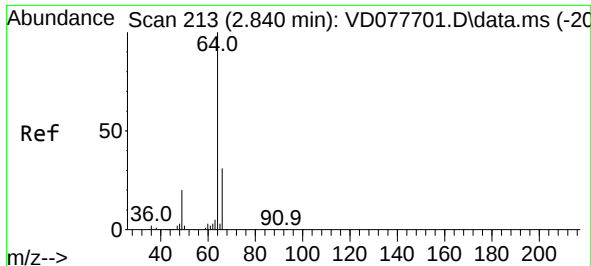
Tgt Ion: 62 Resp: 981857
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.6 42.0



#6
 Bromomethane
 Concen: 122.852 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. -0.006 min
 Lab File: VD077703.D
 Acq: 29 Nov 2023 16:23

Tgt Ion: 94 Resp: 554031
 Ion Ratio Lower Upper
 94 100
 96 92.6 66.0 122.6

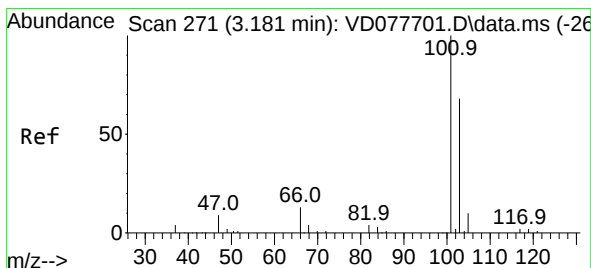
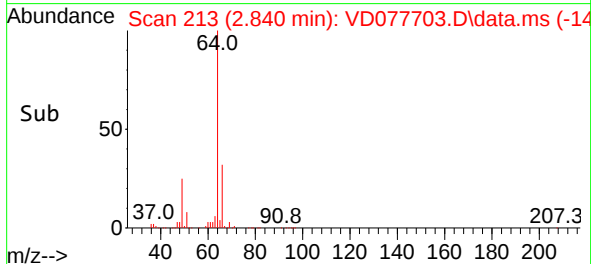
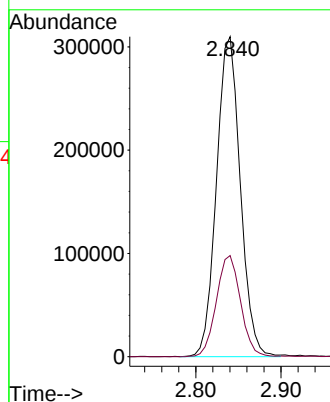
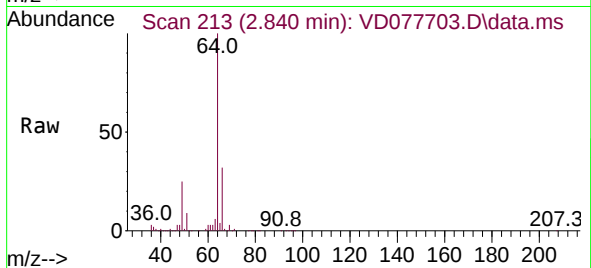




#8
Chloroethane
Concen: 112.748 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

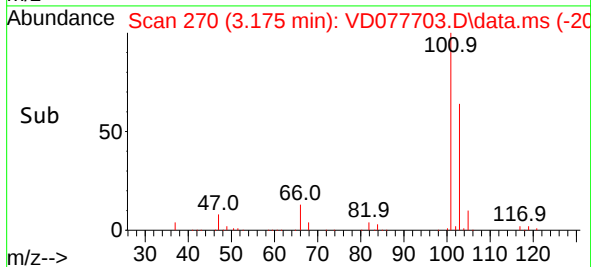
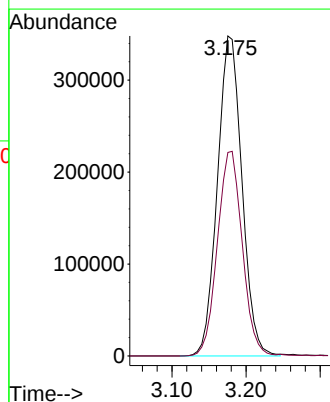
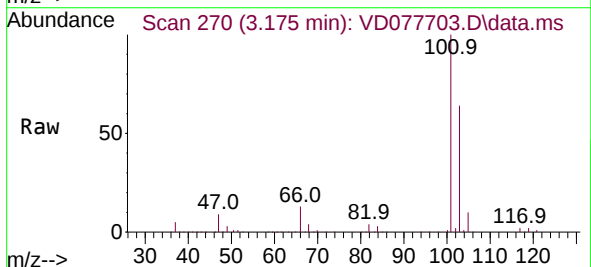
Instrument :
MSVOA_D
ClientSampleId :

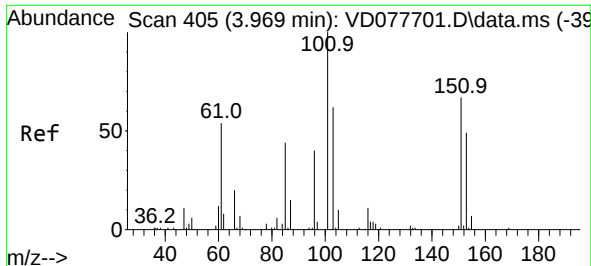
Tgt Ion: 64 Resp: 601602
Ion Ratio Lower Upper
64 100
66 31.6 22.0 41.0



#9
Trichlorofluoromethane
Concen: 104.592 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.006 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

Tgt Ion:101 Resp: 800707
Ion Ratio Lower Upper
101 100
103 64.7 52.5 78.7

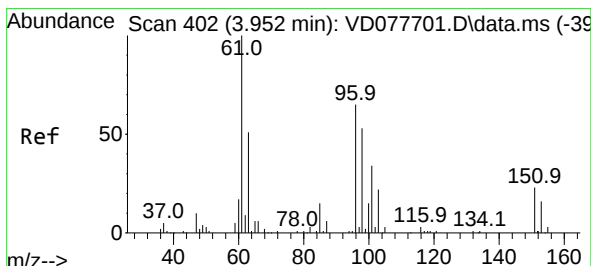
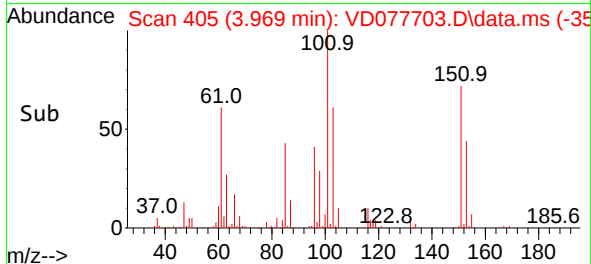
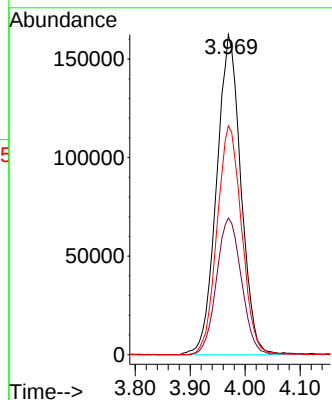
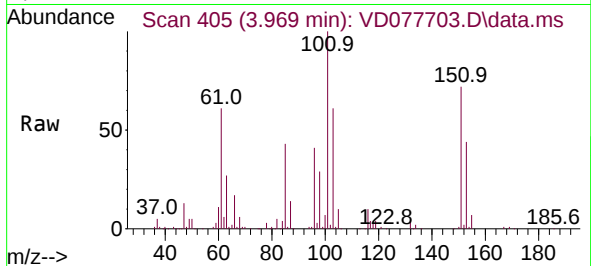




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 105.696 ug/L
 RT: 3.969 min Scan# 405
 Delta R.T. 0.000 min
 Lab File: VD077703.D
 Acq: 29 Nov 2023 16:23

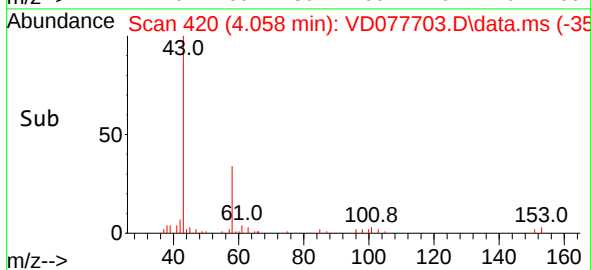
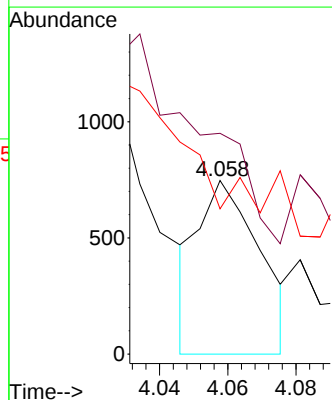
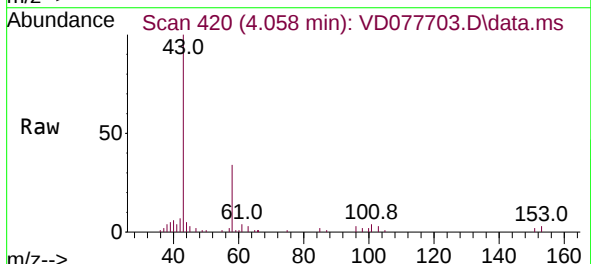
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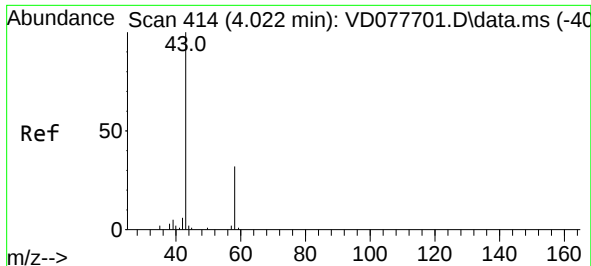
Tgt Ion:101 Resp: 498254
 Ion Ratio Lower Upper
 101 100
 85 43.7 35.8 53.6
 151 72.6 57.0 85.6



#12
 1,1-Dichloroethene
 Concen: 0.206 ug/L
 RT: 4.058 min Scan# 420
 Delta R.T. 0.106 min
 Lab File: VD077703.D
 Acq: 29 Nov 2023 16:23

Tgt Ion: 96 Resp: 934
 Ion Ratio Lower Upper
 96 100
 61 127.2 108.6 201.6
 63 83.7 60.3 111.9

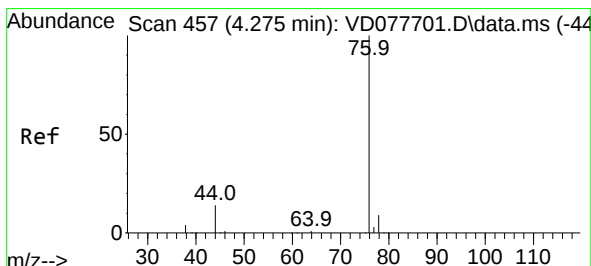
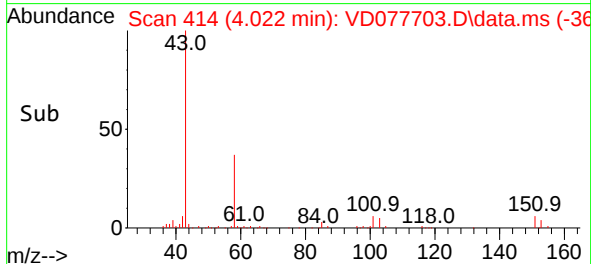
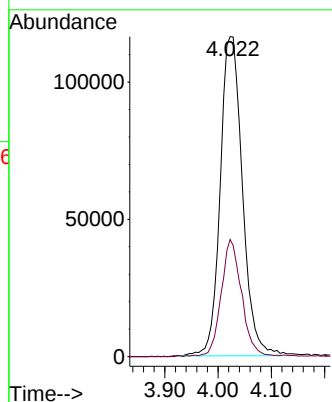
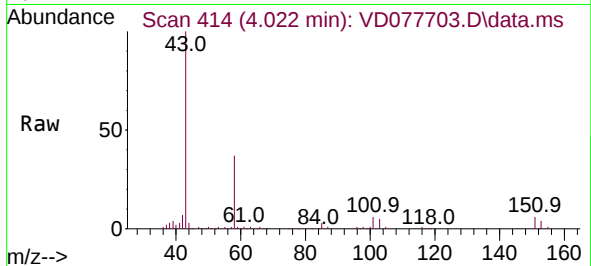




#13
Acetone
Concen: 227.070 ug/L
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

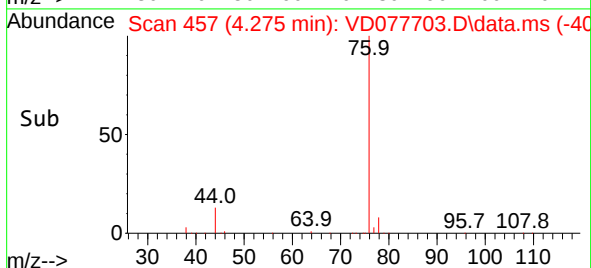
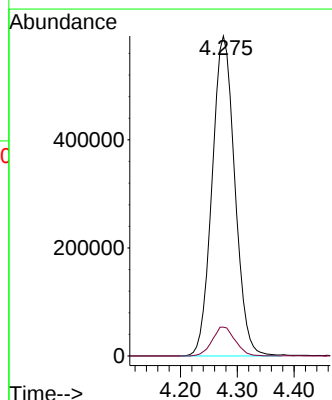
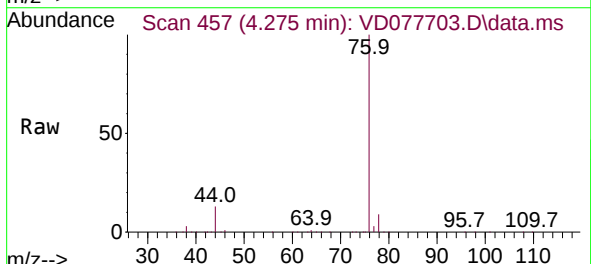
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MSVOA_D
ClientSampleId :

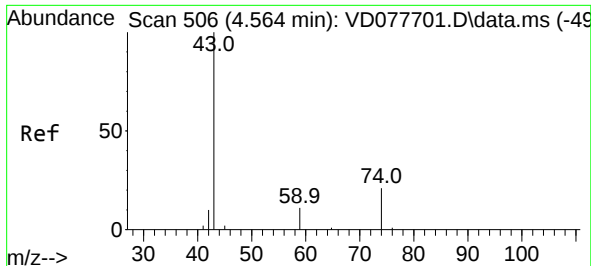
Tgt Ion: 43 Resp: 336682
Ion Ratio Lower Upper
43 100
58 33.2 0.0 67.2



#14
Carbon disulfide
Concen: 100.107 ug/L
RT: 4.275 min Scan# 457
Delta R.T. 0.000 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

Tgt Ion: 76 Resp: 1646105
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

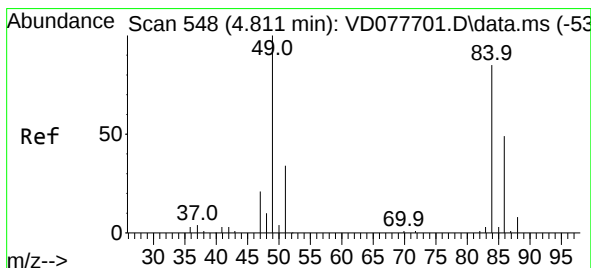
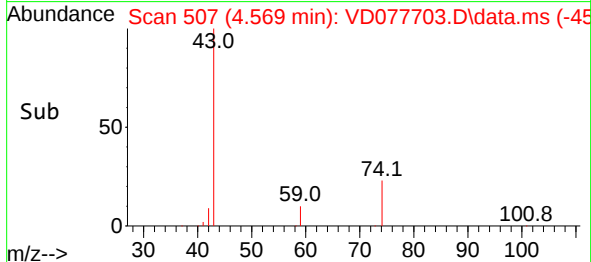
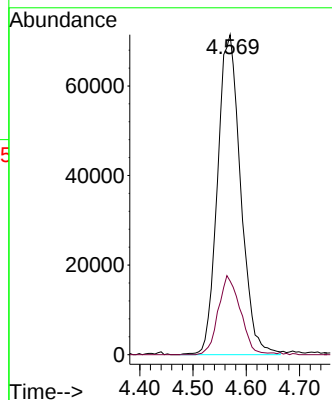
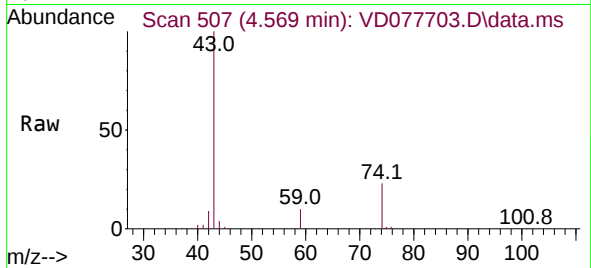




#15
Methyl Acetate
Concen: 90.956 ug/L
RT: 4.569 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

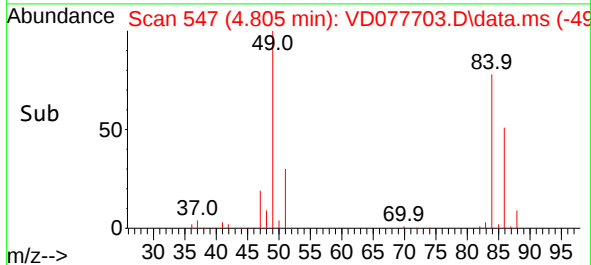
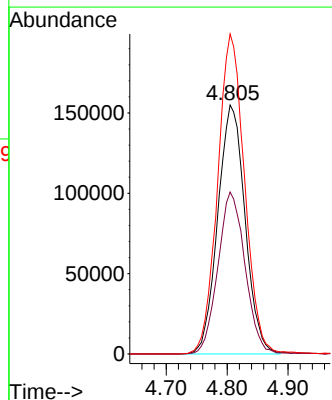
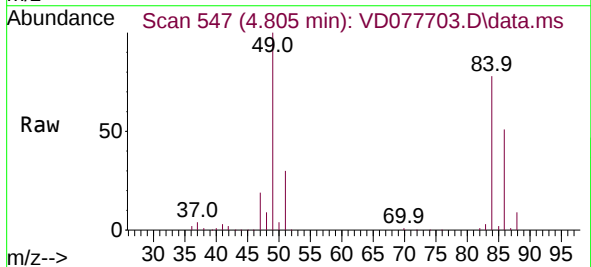
Instrument :
MSVOA_D
ClientSampleId :

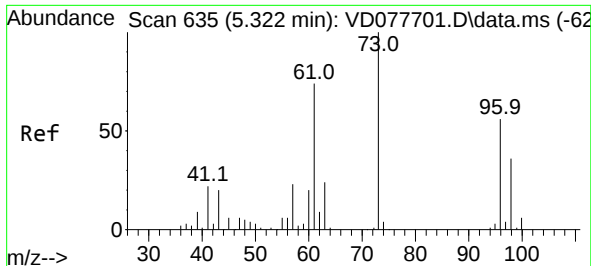
Tgt Ion: 43 Resp: 215523
Ion Ratio Lower Upper
43 100
74 23.5 18.6 27.8



#16
Methylene chloride
Concen: 88.889 ug/L
RT: 4.805 min Scan# 547
Delta R.T. -0.006 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

Tgt Ion: 84 Resp: 482096
Ion Ratio Lower Upper
84 100
86 65.1 40.1 74.5
49 128.5 83.2 154.6





#17

trans-1,2-Dichloroethene

Concen: 105.243 ug/L

RT: 5.316 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

Instrument :

MSVOA_D

ClientSampleId :

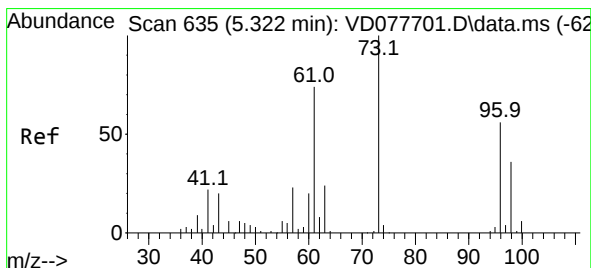
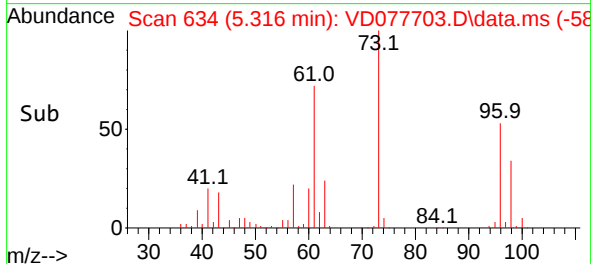
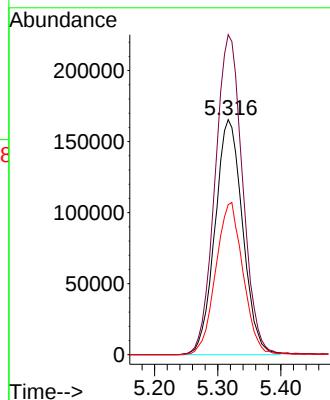
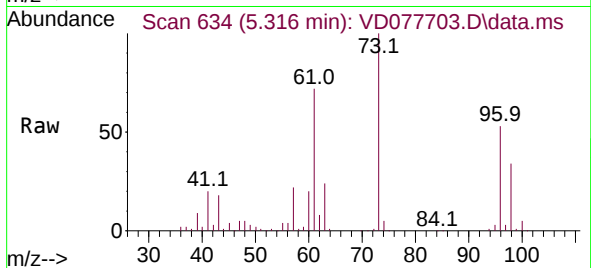
Tgt Ion: 96 Resp: 502652

Ion Ratio Lower Upper

96 100

61 136.2 92.3 171.3

98 63.9 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 103.701 ug/L

RT: 5.322 min Scan# 635

Delta R.T. 0.000 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

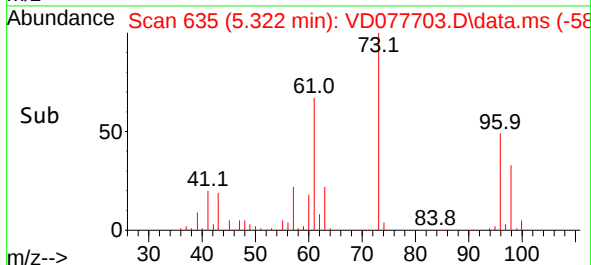
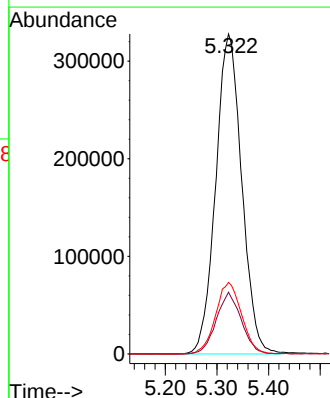
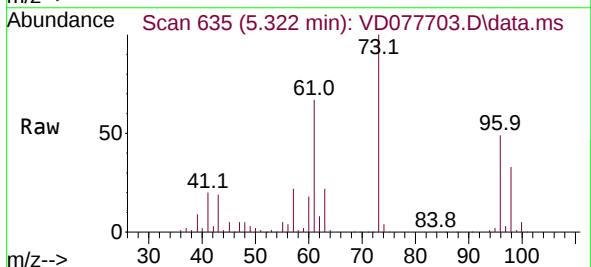
Tgt Ion: 73 Resp: 1144967

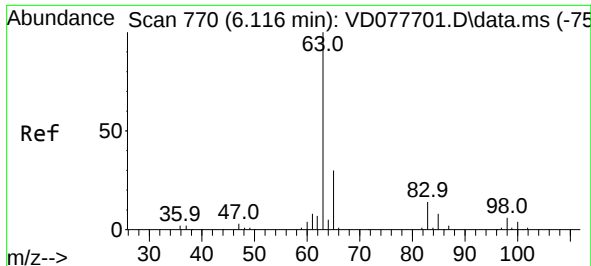
Ion Ratio Lower Upper

73 100

43 18.5 15.0 22.4

57 22.3 18.1 27.1





#19

1,1-Dichloroethane

Concen: 93.445 ug/L

RT: 6.116 min Scan# 71

Delta R.T. 0.000 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

Instrument :

MSVOA_D

ClientSampleId :

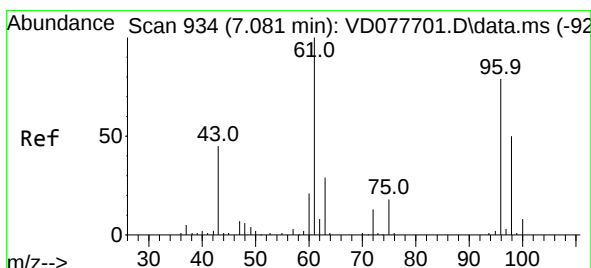
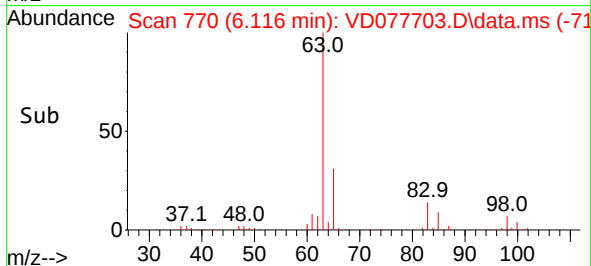
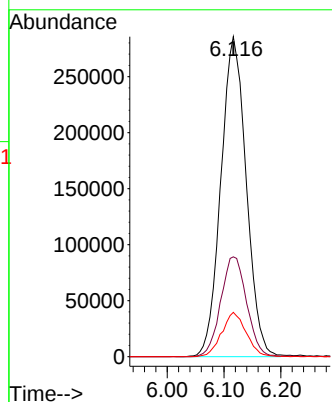
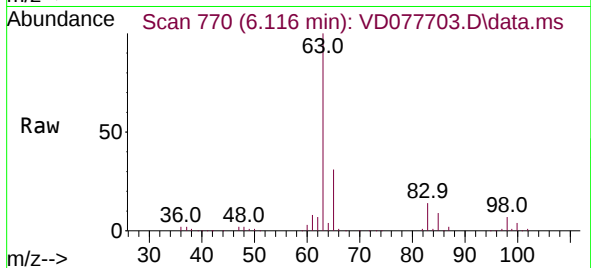
Tgt Ion: 63 Resp: 885036

Ion Ratio Lower Upper

63 100

65 31.2 20.9 38.9

83 13.8 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 104.398 ug/L

RT: 7.087 min Scan# 935

Delta R.T. 0.006 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

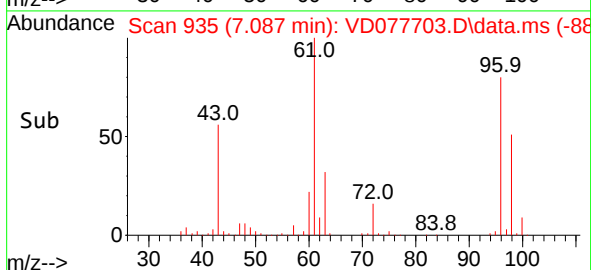
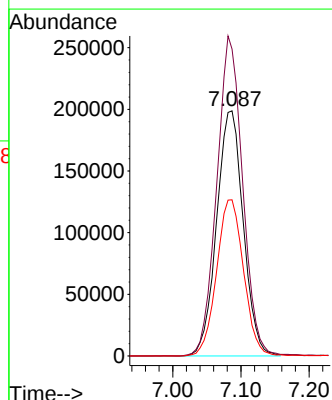
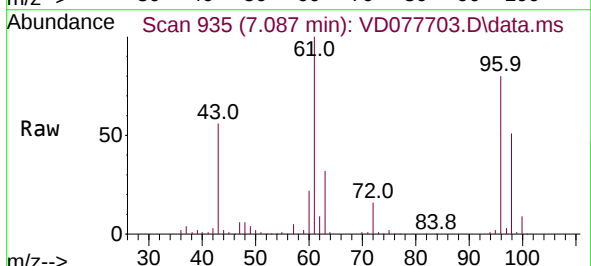
Tgt Ion: 96 Resp: 541257

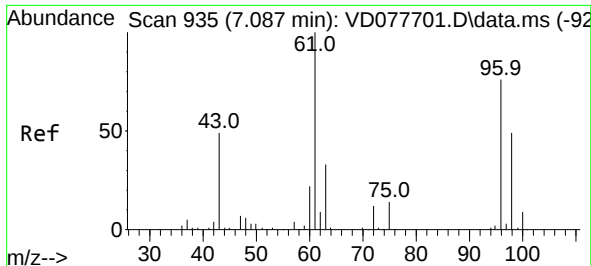
Ion Ratio Lower Upper

96 100

61 125.2 88.1 163.5

98 63.7 44.1 81.9





#22

2-Butanone

Concen: 0.487 ug/L

RT: 7.205 min Scan# 91

Delta R.T. 0.118 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

Instrument :

MSVOA_D

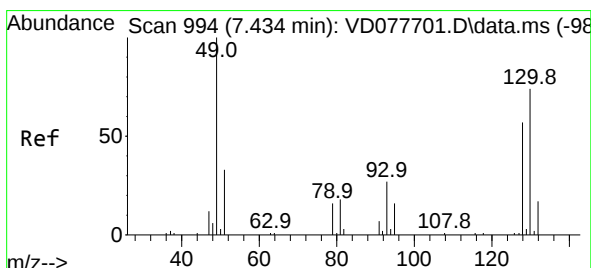
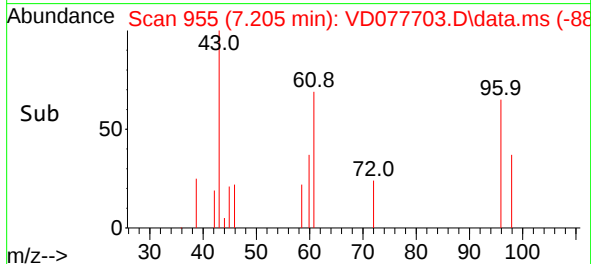
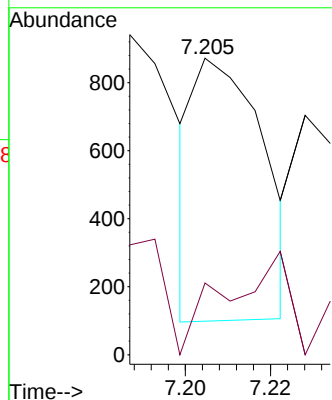
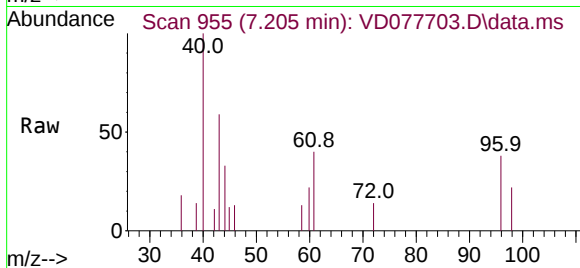
ClientSampleId :

Tgt Ion: 43 Resp: 866

Ion Ratio Lower Upper

43 100

72 15.0 7.2 21.6



#23

Bromochloromethane

Concen: 107.324 ug/L

RT: 7.428 min Scan# 993

Delta R.T. -0.006 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

Tgt Ion: 128 Resp: 225225

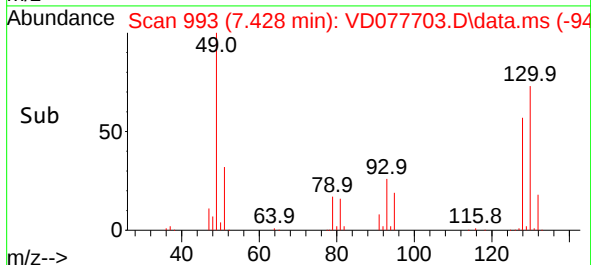
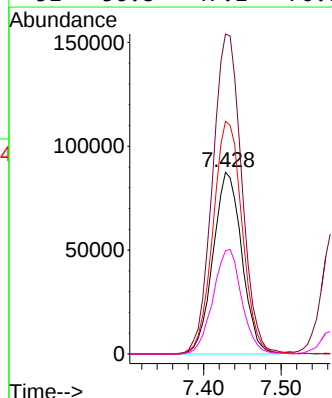
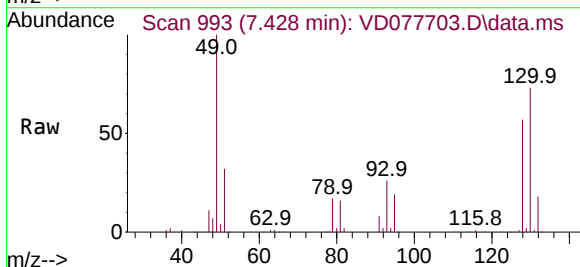
Ion Ratio Lower Upper

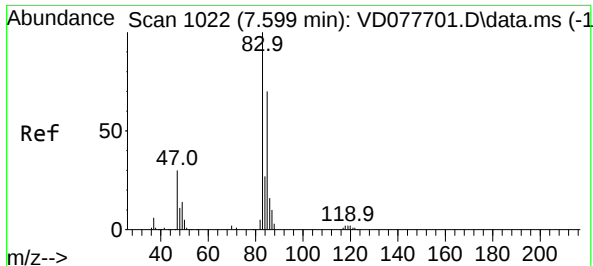
128 100

49 176.1 124.7 231.5

130 128.0 92.3 171.3

51 56.8 47.1 70.7





#25

Chloroform

Concen: 101.173 ug/L

RT: 7.599 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

Instrument :

MSVOA_D

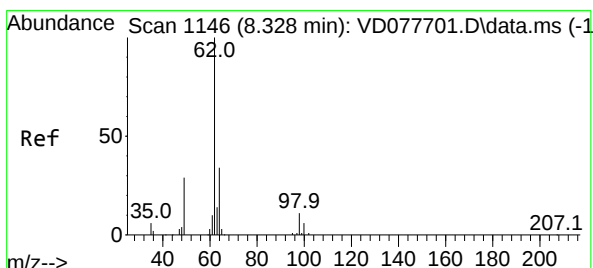
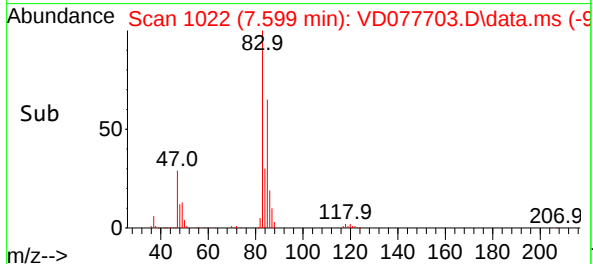
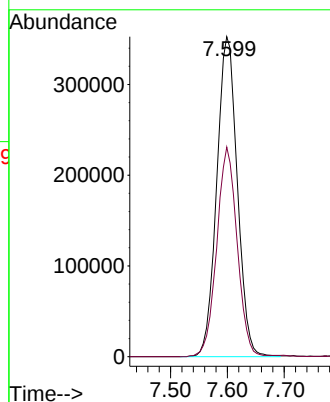
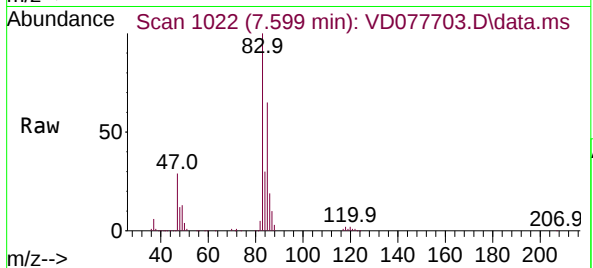
ClientSampleId :

Tgt Ion: 83 Resp: 886918

Ion Ratio Lower Upper

83 100

85 65.5 48.9 90.9



#27

1,2-Dichloroethane

Concen: 98.068 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VD077703.D

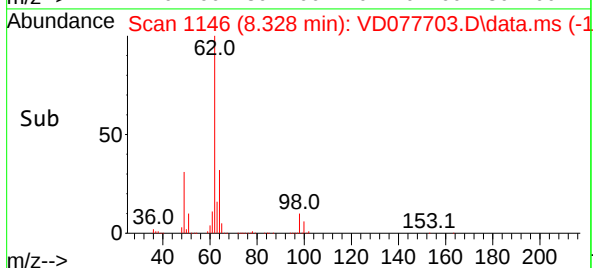
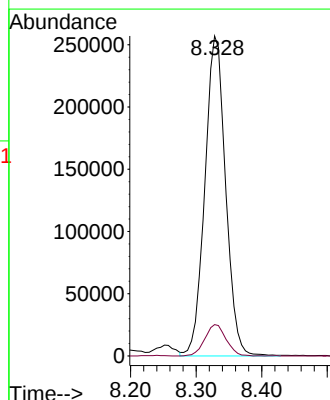
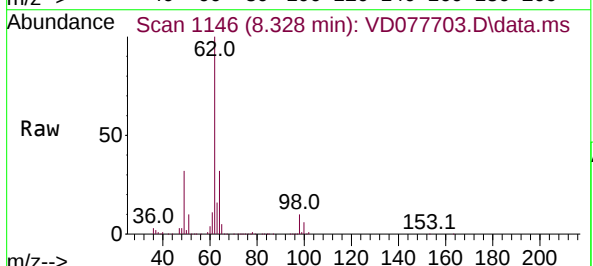
Acq: 29 Nov 2023 16:23

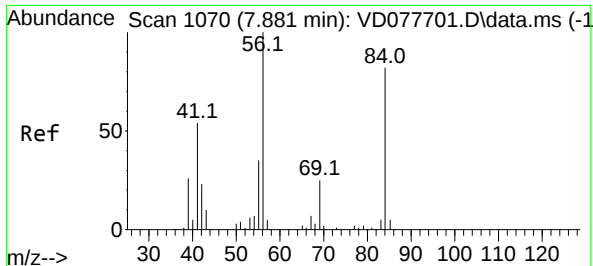
Tgt Ion: 62 Resp: 566643

Ion Ratio Lower Upper

62 100

98 9.8 8.4 12.6





#29

Cyclohexane

Concen: 88.681 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

Instrument :

MSVOA_D

ClientSampleId :

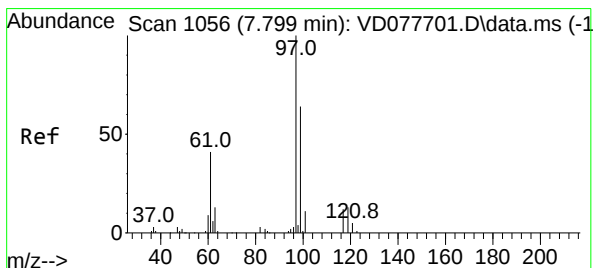
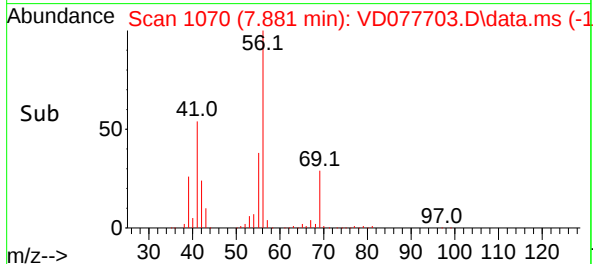
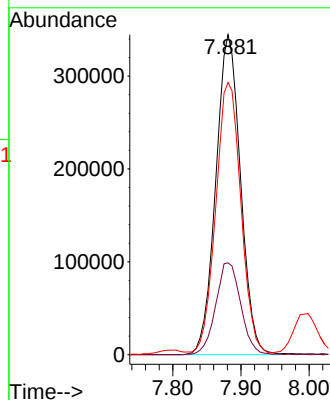
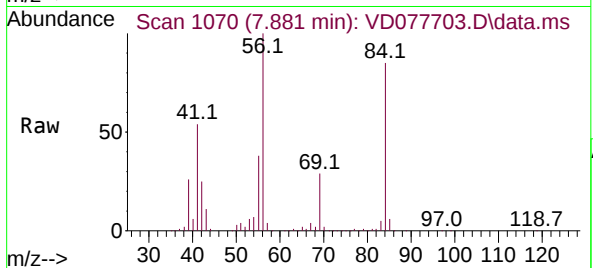
Tgt Ion: 56 Resp: 870712

Ion Ratio Lower Upper

56 100

69 29.0 22.2 33.4

84 86.5 68.5 102.7



#30

1,1,1-Trichloroethane

Concen: 94.736 ug/L

RT: 7.799 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

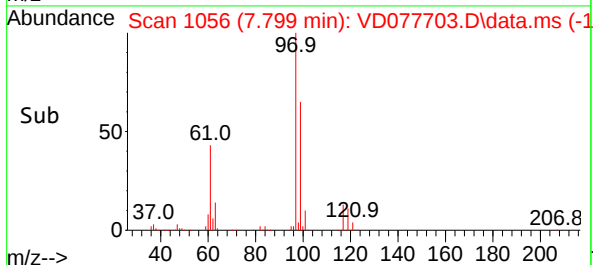
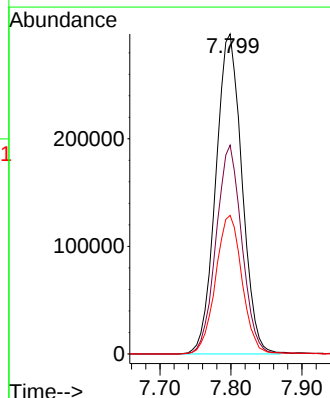
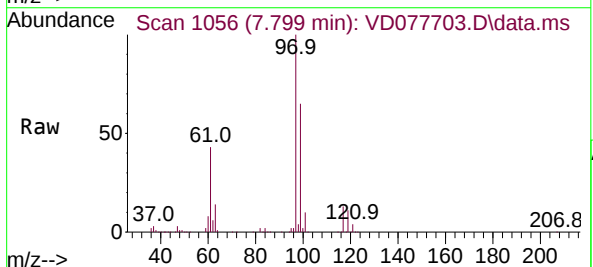
Tgt Ion: 97 Resp: 761526

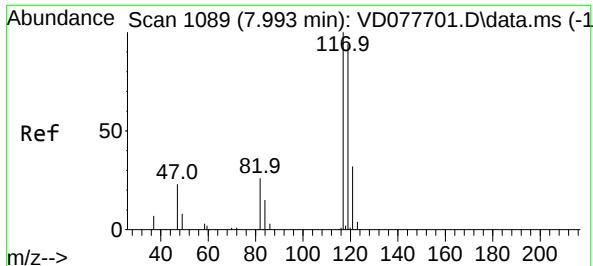
Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.2

61 43.6 35.4 53.2

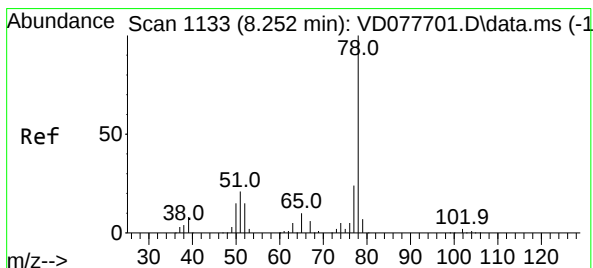
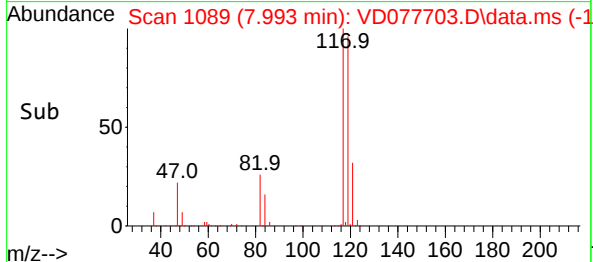
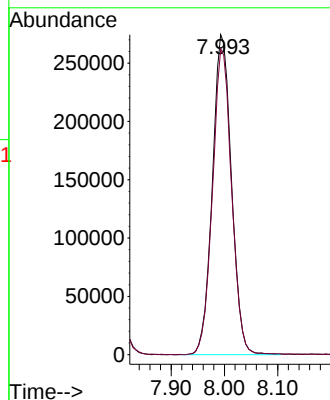
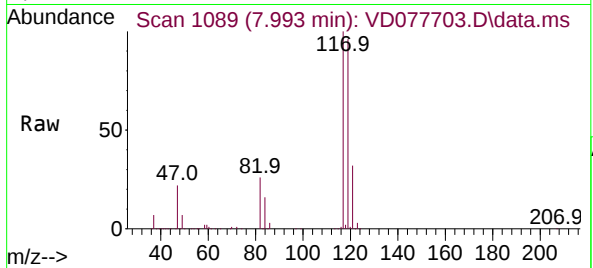




#31
Carbon tetrachloride
Concen: 98.208 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

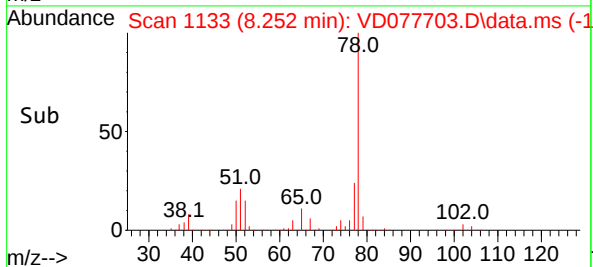
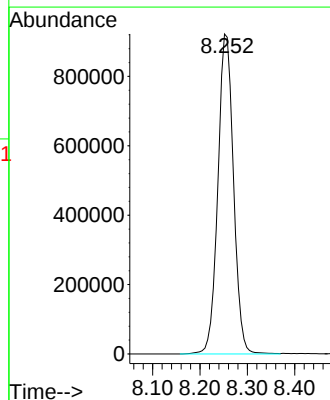
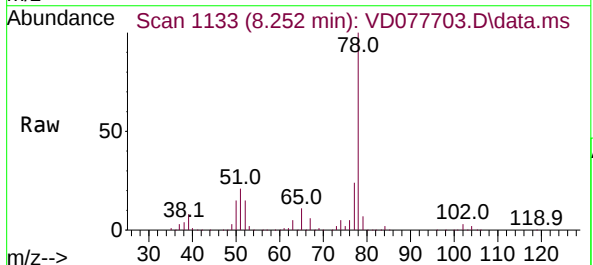
Instrument :
MSVOA_D
ClientSampleId :

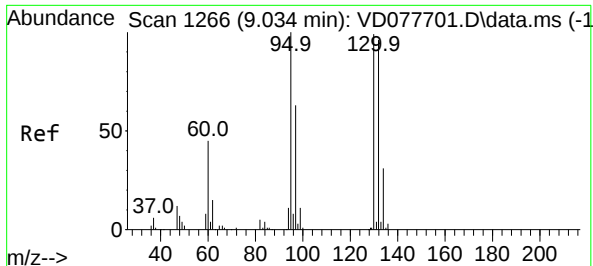
Tgt Ion:117 Resp: 683582
Ion Ratio Lower Upper
117 100
119 95.1 76.3 114.5



#33
Benzene
Concen: 99.348 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

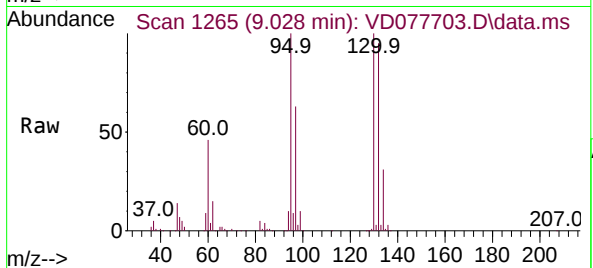
Tgt Ion: 78 Resp: 2116573





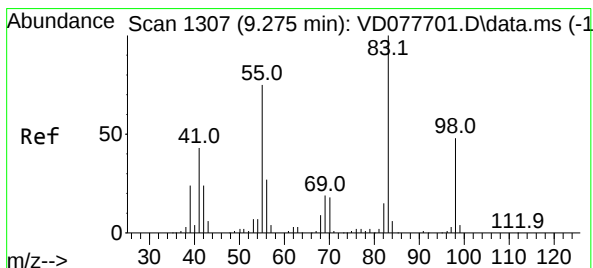
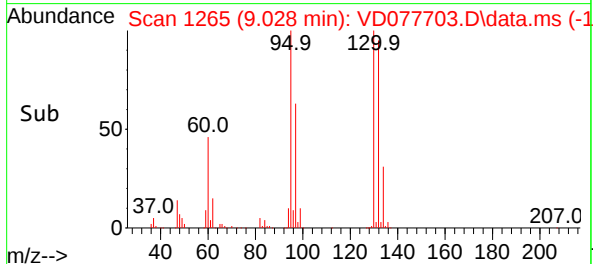
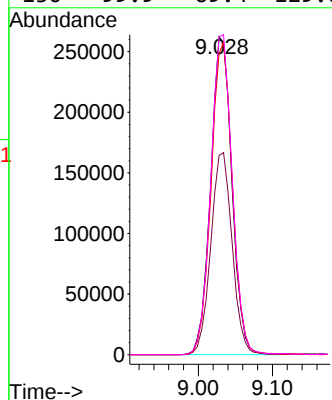
#34
Trichloroethene
Concen: 98.810 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. -0.006 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 95 Resp: 522573

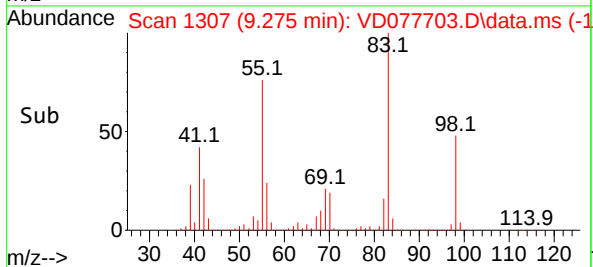
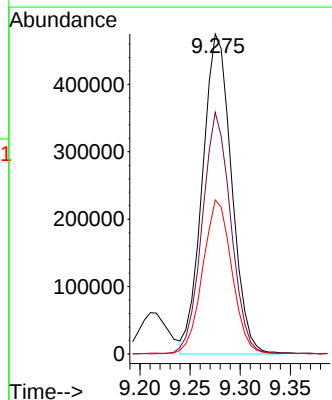
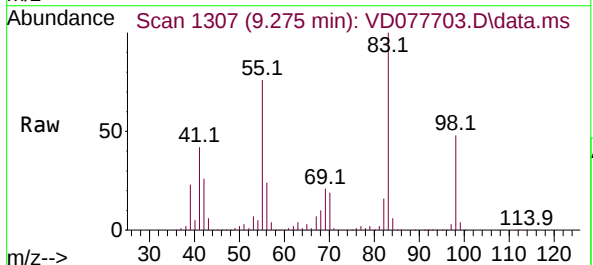
Ion	Ratio	Lower	Upper
95	100		
97	62.6	44.2	82.0
132	94.7	67.5	125.3
130	99.9	69.4	129.0

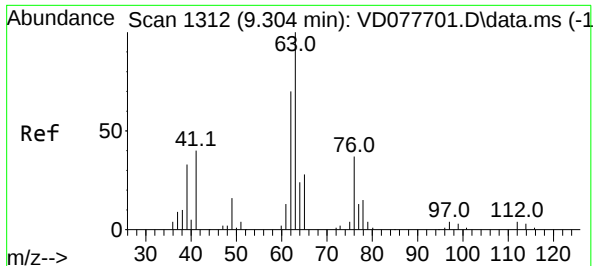


#35
Methylcyclohexane
Concen: 100.833 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

Tgt Ion: 83 Resp: 961181

Ion	Ratio	Lower	Upper
83	100		
55	74.3	59.8	89.6
98	48.1	38.5	57.7





#37

1,2-Dichloropropane

Concen: 92.704 ug/L

RT: 9.305 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

Instrument :

MSVOA_D

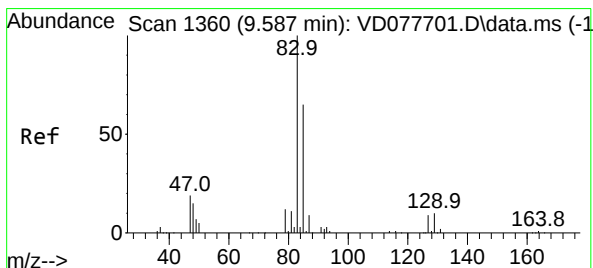
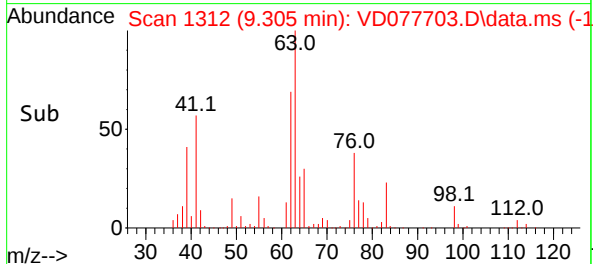
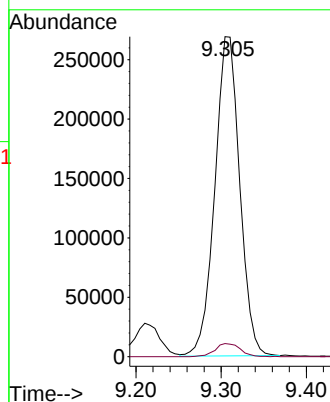
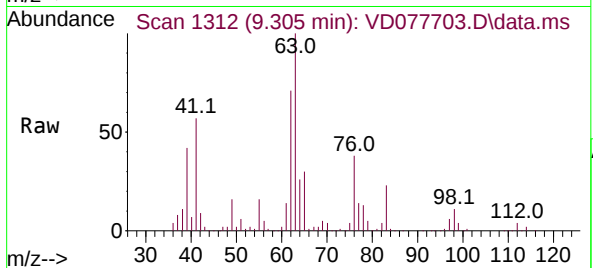
ClientSampleId :

Tgt Ion: 63 Resp: 545642

Ion Ratio Lower Upper

63 100

112 4.2 3.5 5.3



#38

Bromodichloromethane

Concen: 96.106 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

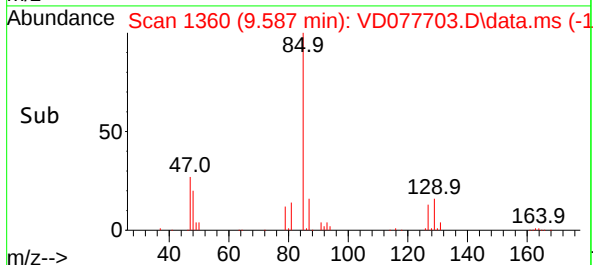
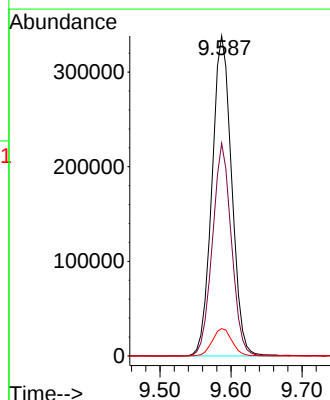
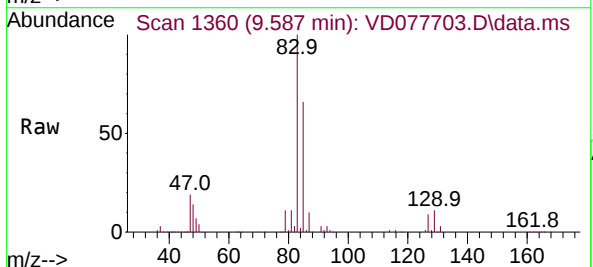
Tgt Ion: 83 Resp: 650664

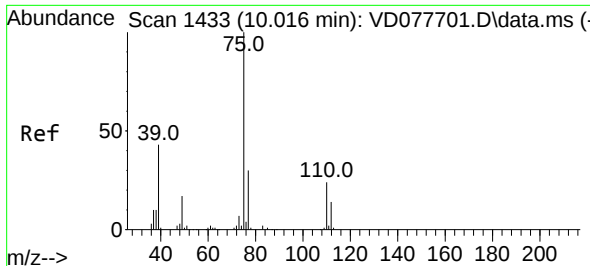
Ion Ratio Lower Upper

83 100

85 66.4 45.5 84.5

127 8.5 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 98.348 ug/L

RT: 10.022 min Scan# 1434

Delta R.T. 0.006 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

Instrument :

MSVOA_D

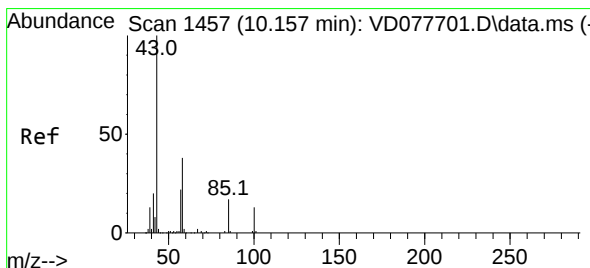
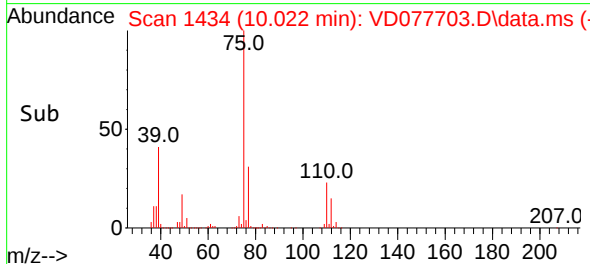
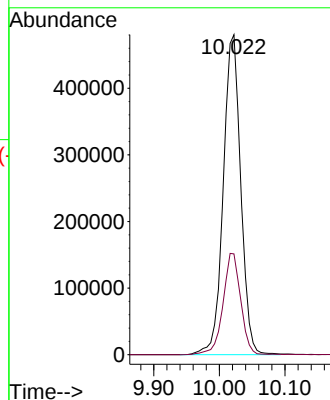
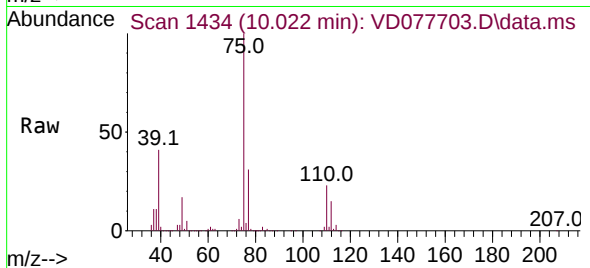
ClientSampleId :

Tgt Ion: 75 Resp: 887943

Ion Ratio Lower Upper

75 100

77 31.5 21.2 39.4



#40

4-Methyl-2-pentanone

Concen: 184.661 ug/L

RT: 10.163 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

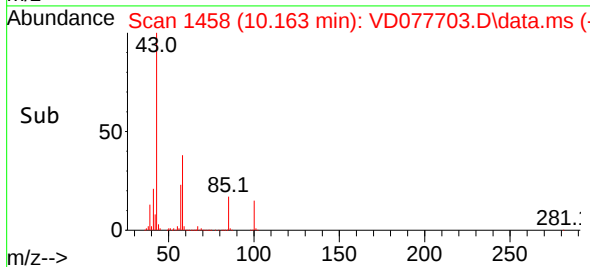
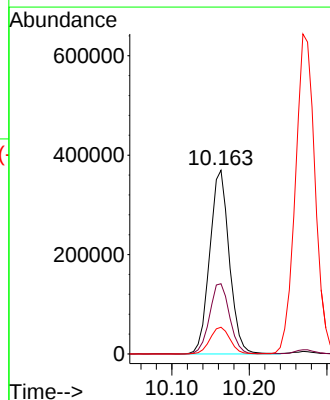
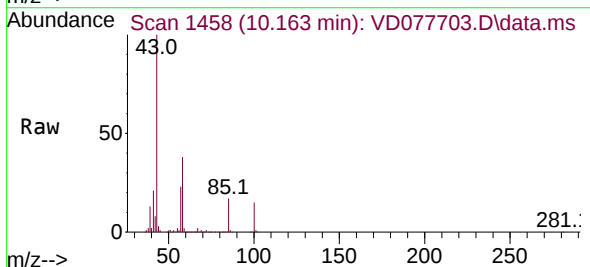
Tgt Ion: 43 Resp: 648346

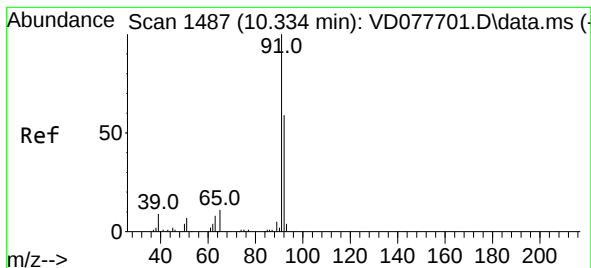
Ion Ratio Lower Upper

43 100

58 39.2 31.0 46.4

100 14.9 11.9 17.9





#42

Toluene

Concen: 103.092 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

Instrument :

MSVOA_D

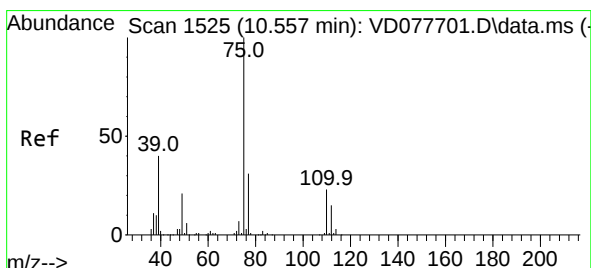
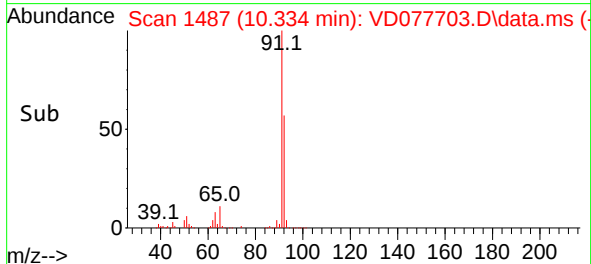
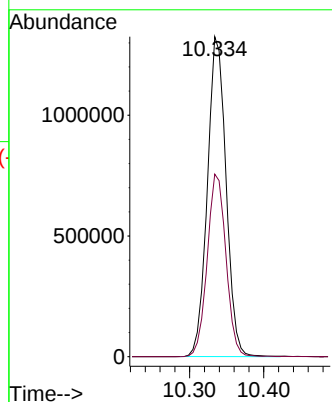
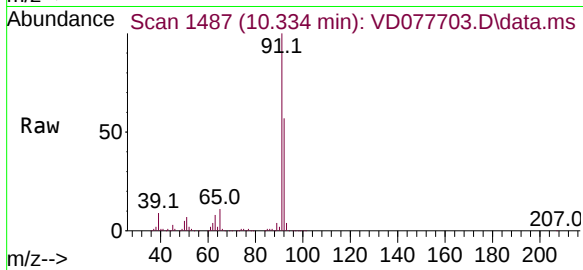
ClientSampleId :

Tgt Ion: 91 Resp: 2316150

Ion Ratio Lower Upper

91 100

92 57.1 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 102.040 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VD077703.D

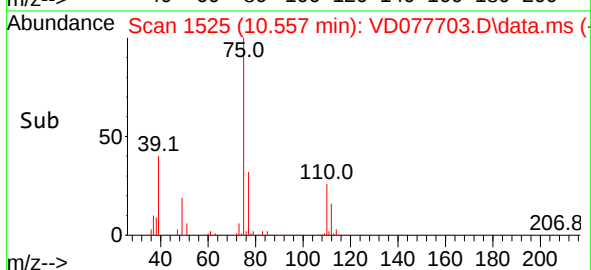
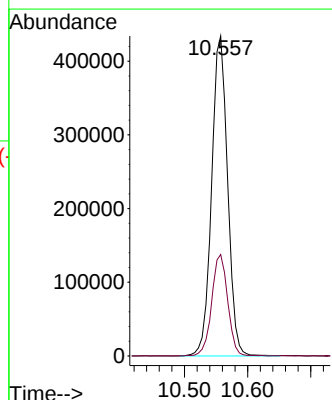
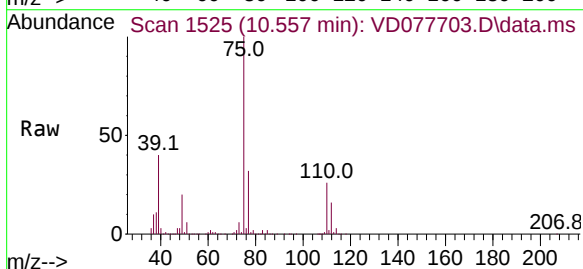
Acq: 29 Nov 2023 16:23

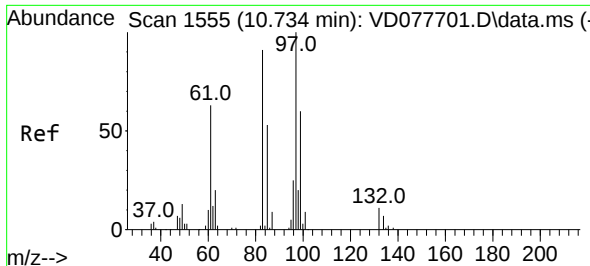
Tgt Ion: 75 Resp: 762356

Ion Ratio Lower Upper

75 100

77 31.7 22.0 40.8

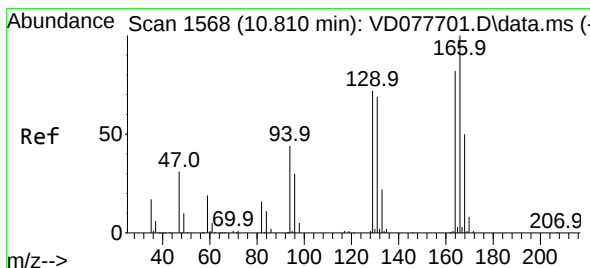
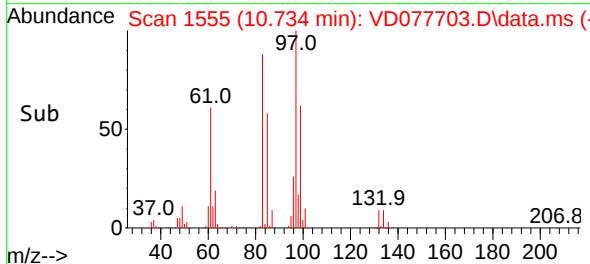
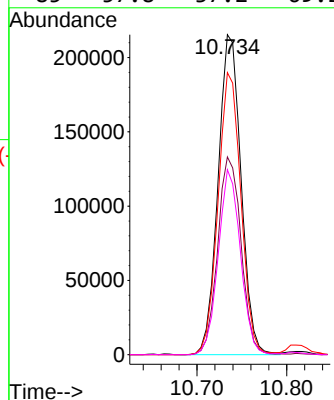
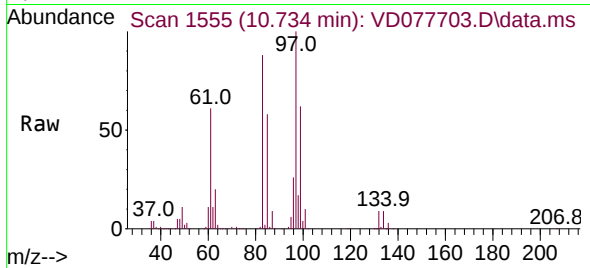




#45
1,1,2-Trichloroethane
Concen: 105.394 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

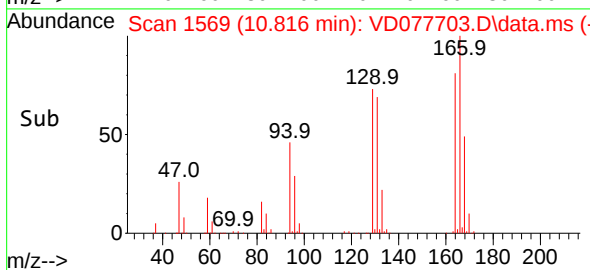
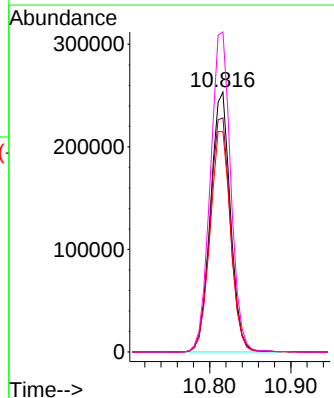
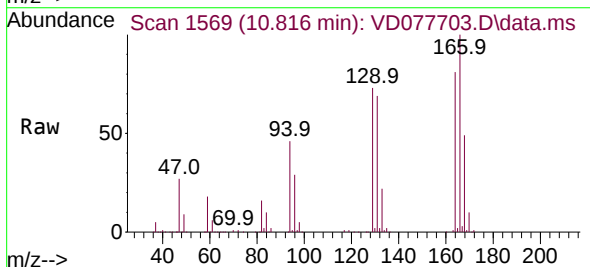
Instrument :
MSVOA_D
ClientSampleId :

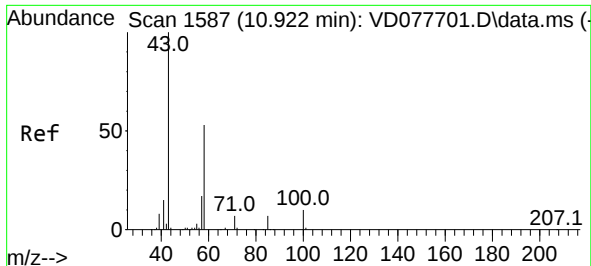
Tgt Ion:	97	Resp:	383756
Ion	Ratio	Lower	Upper
97	100		
99	61.8	41.7	77.5
83	88.1	63.6	118.2
85	57.8	37.2	69.2



#46
Tetrachloroethene
Concen: 109.633 ug/L
RT: 10.816 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

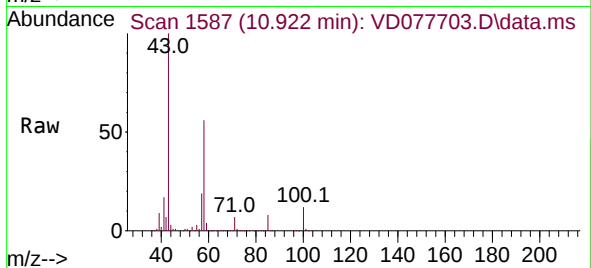
Tgt Ion:	164	Resp:	432424
Ion	Ratio	Lower	Upper
164	100		
129	90.2	61.5	114.3
131	84.8	59.1	109.9
166	123.2	85.4	158.6



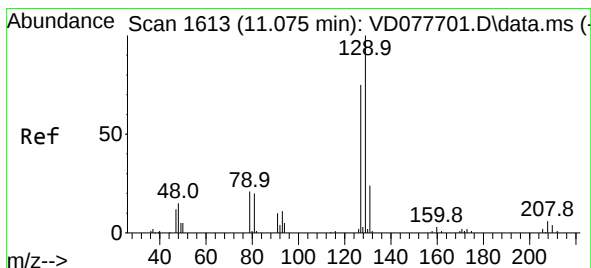
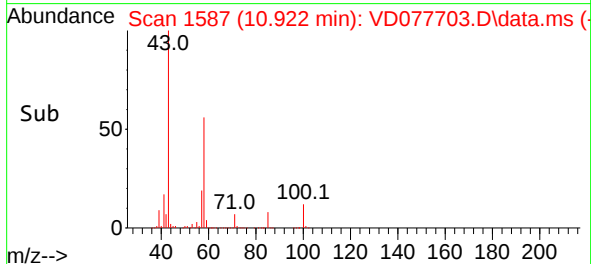
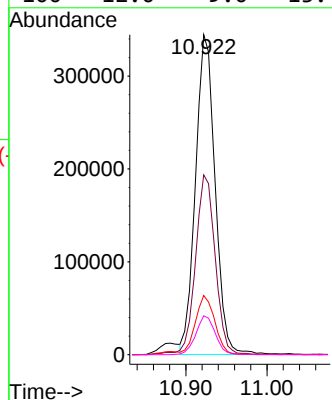


#48
2-Hexanone
Concen: 203.338 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

Instrument :
MSVOA_D
ClientSampleId :

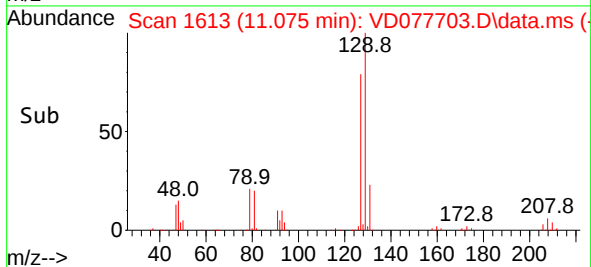
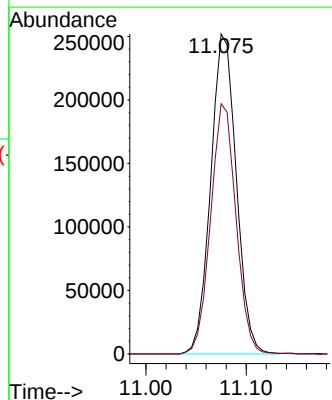
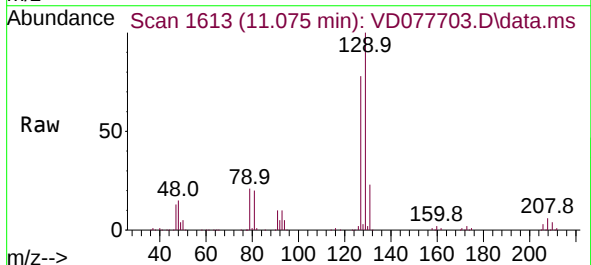


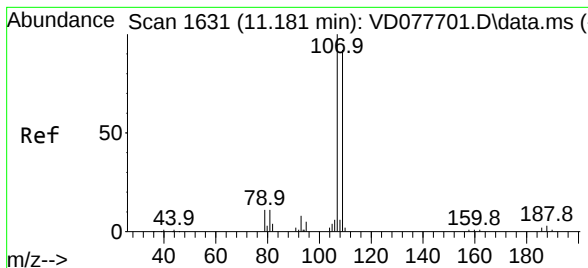
Tgt Ion: 43 Resp: 579039
Ion Ratio Lower Upper
43 100
58 54.9 43.0 64.6
57 18.4 13.8 20.8
100 12.0 9.0 13.4



#49
Dibromochloromethane
Concen: 107.507 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

Tgt Ion: 129 Resp: 446868
Ion Ratio Lower Upper
129 100
127 78.2 52.8 98.2

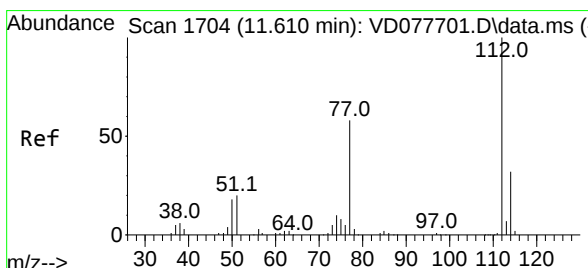
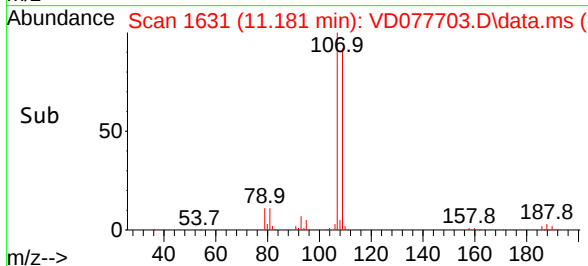
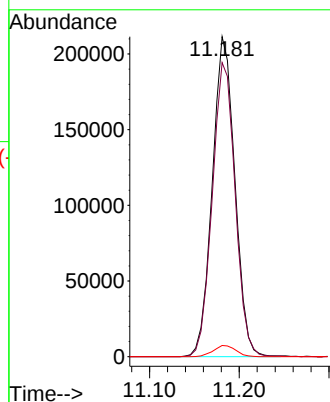
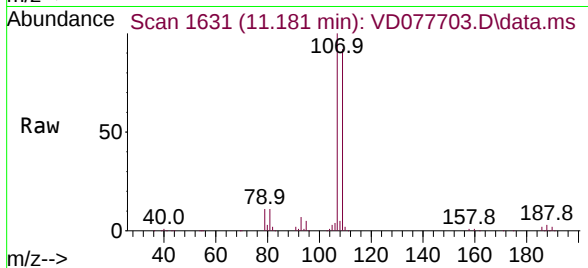




#50
1,2-Dibromoethane
Concen: 105.807 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

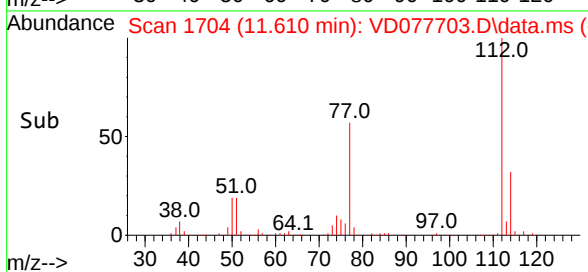
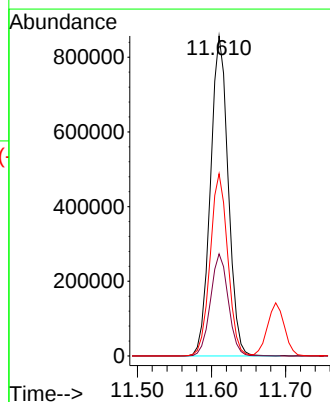
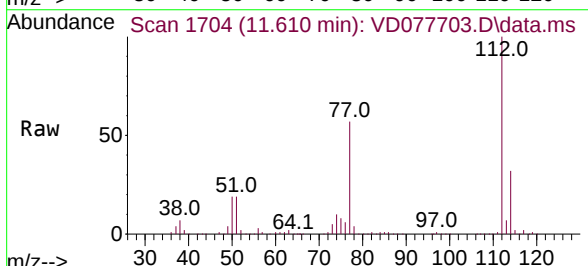
Instrument :
MSVOA_D
ClientSampleId :

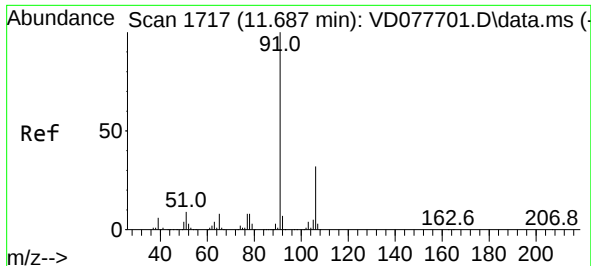
Tgt Ion:107 Resp: 369090
Ion Ratio Lower Upper
107 100
109 91.9 64.2 119.2
188 3.5 2.3 3.5#



#51
Chlorobenzene
Concen: 107.361 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

Tgt Ion:112 Resp: 1424103
Ion Ratio Lower Upper
112 100
114 31.9 22.5 41.9
77 56.9 46.4 69.6

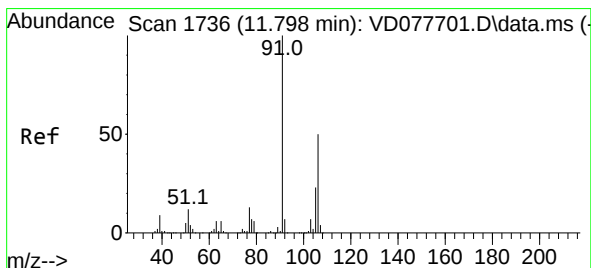
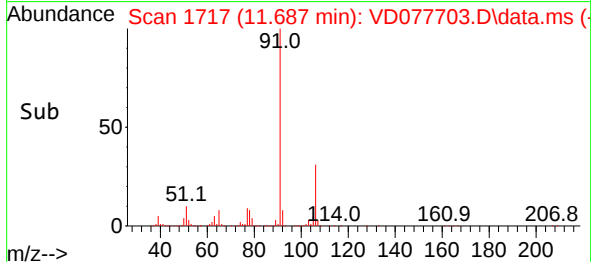
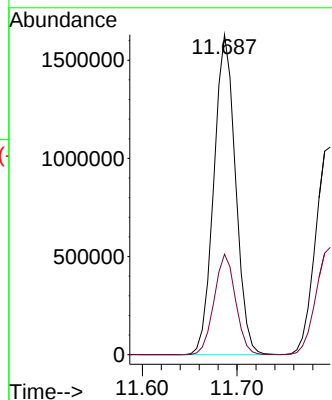
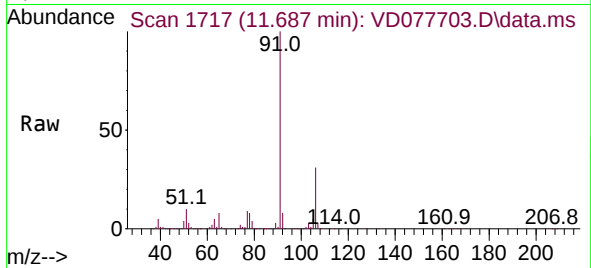




#52
Ethylbenzene
Concen: 105.235 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

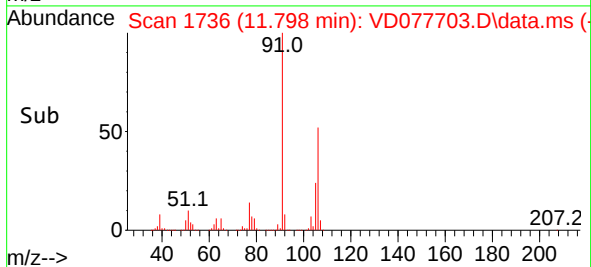
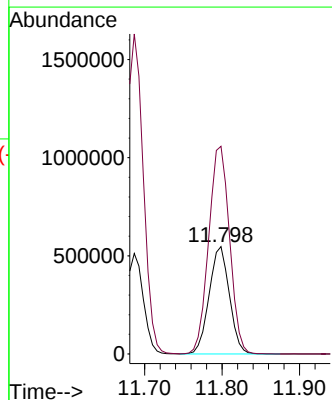
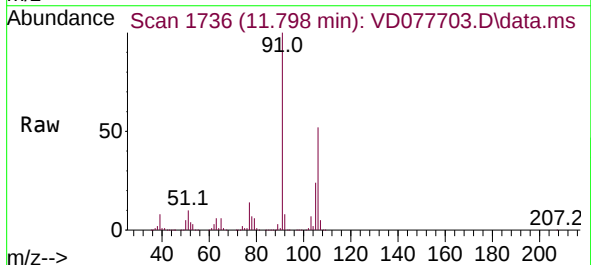
Instrument :
MSVOA_D
ClientSampleId :

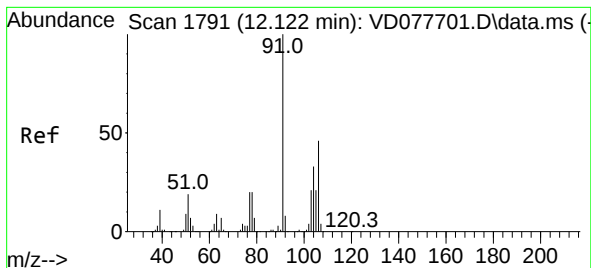
Tgt Ion: 91 Resp: 2594042
Ion Ratio Lower Upper
91 100
106 31.4 22.4 41.6



#53
m,p-Xylene
Concen: 109.657 ug/L
RT: 11.798 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

Tgt Ion:106 Resp: 990232
Ion Ratio Lower Upper
106 100
91 193.4 140.8 261.6

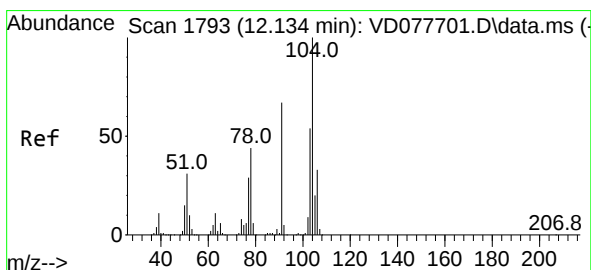
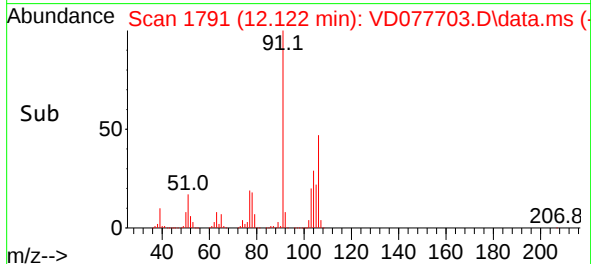
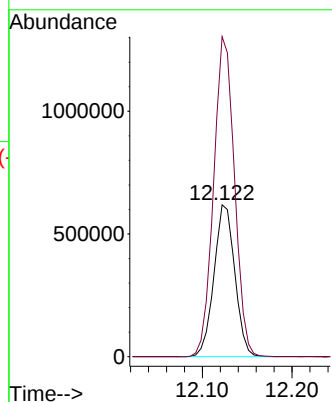
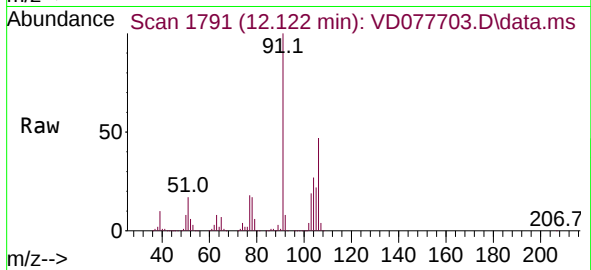




#54
o-Xylene
Concen: 115.018 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

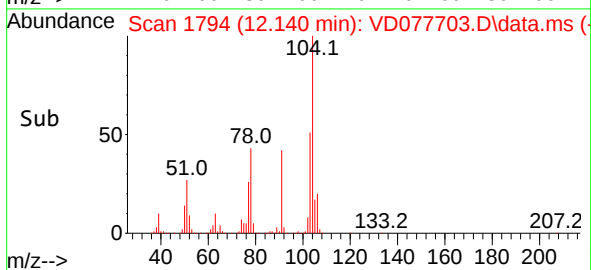
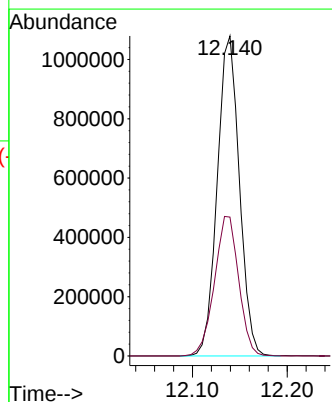
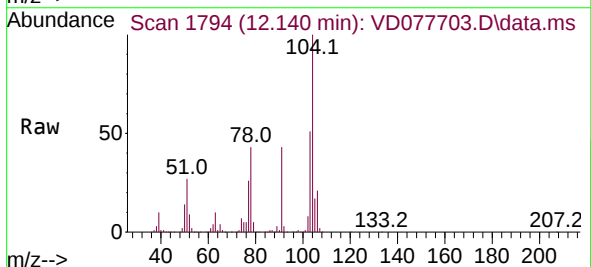
Instrument :
MSVOA_D
ClientSampleId :

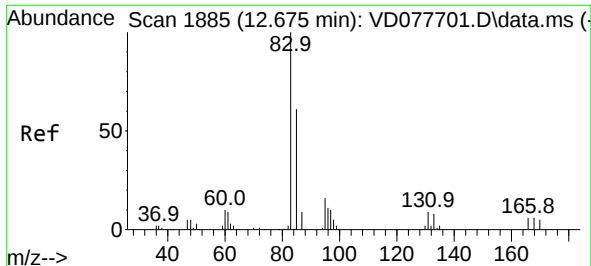
Tgt Ion:106 Resp: 998654
Ion Ratio Lower Upper
106 100
91 210.7 152.2 282.7



#55
Styrene
Concen: 115.398 ug/L
RT: 12.140 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

Tgt Ion:104 Resp: 1752740
Ion Ratio Lower Upper
104 100
78 43.4 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 108.756 ug/L

RT: 12.675 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

Instrument :

MSVOA_D

ClientSampleId :

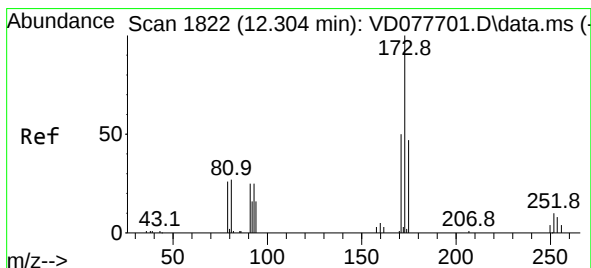
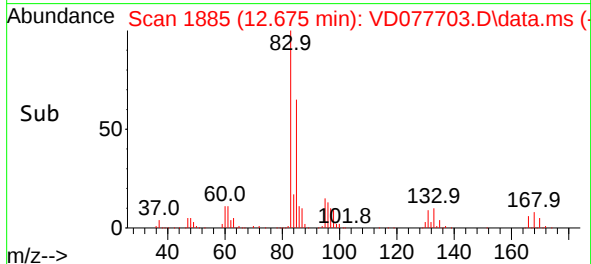
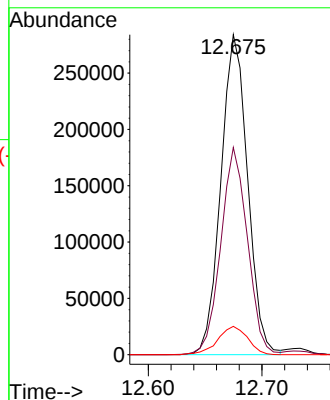
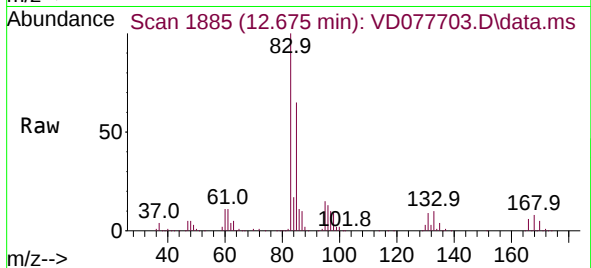
Tgt Ion: 83 Resp: 465193

Ion Ratio Lower Upper

83 100

85 64.8 43.3 80.5

131 8.9 7.3 10.9



#59

Bromoform

Concen: 99.562 ug/L

RT: 12.304 min Scan# 1822

Delta R.T. 0.000 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

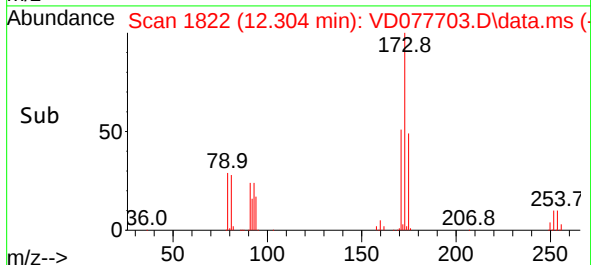
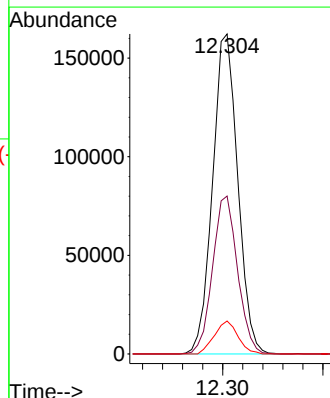
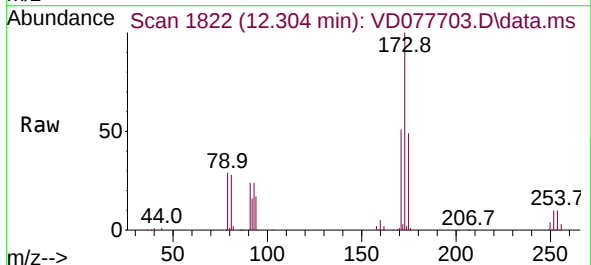
Tgt Ion:173 Resp: 282152

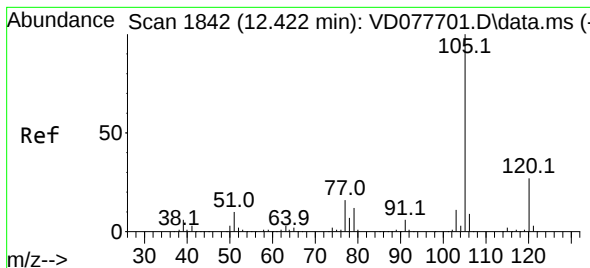
Ion Ratio Lower Upper

173 100

175 48.9 38.7 58.1

254 9.7 1.8 2.8#





#60

Isopropylbenzene

Concen: 99.230 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

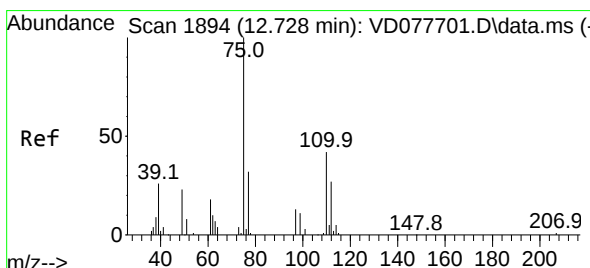
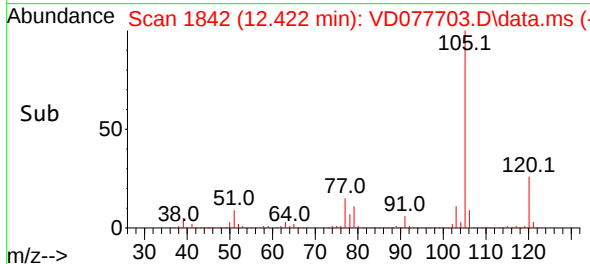
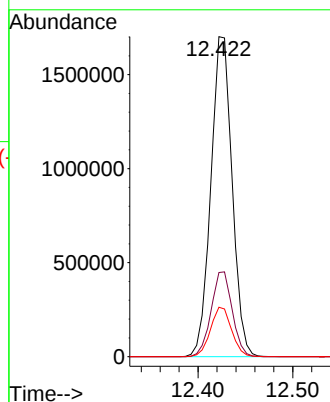
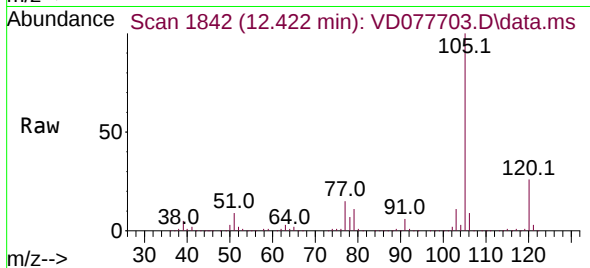
Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:105 Resp: 2652349

Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.3	31.9
77	15.3	12.6	18.8



#61

1,2,3-Trichloropropane

Concen: 90.060 ug/L

RT: 12.728 min Scan# 1894

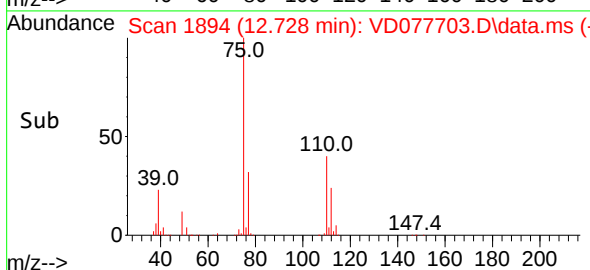
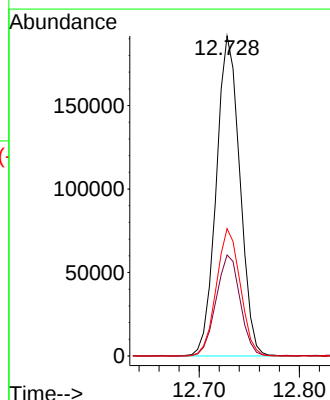
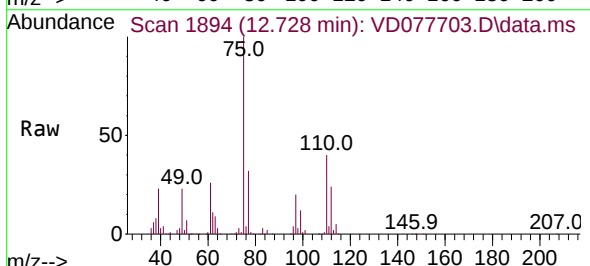
Delta R.T. 0.000 min

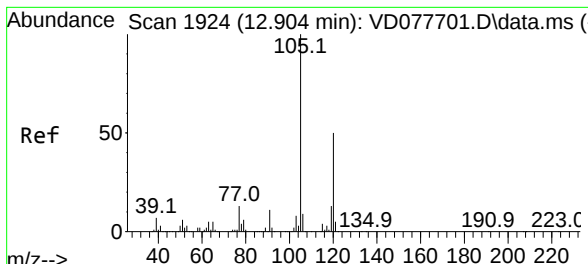
Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

Tgt Ion: 75 Resp: 313082

Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.8	40.2
110	40.3	33.4	50.2



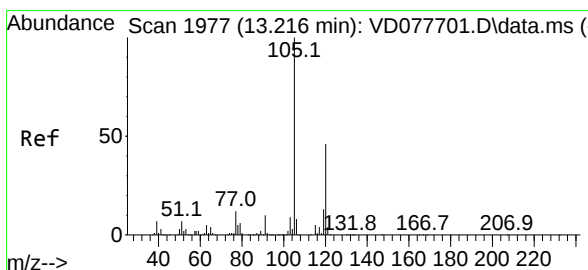
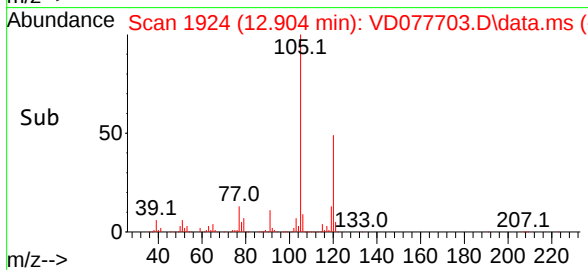
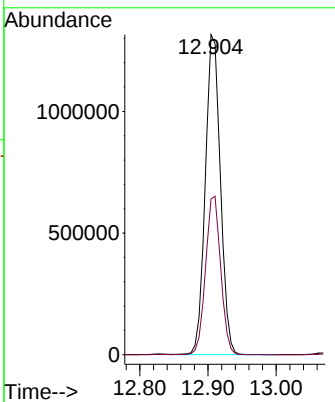
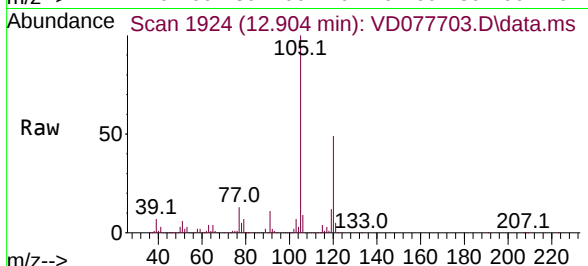


#62
 1,3,5-Trimethylbenzene
 Concen: 100.448 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD077703.D
 Acq: 29 Nov 2023 16:23

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:105 Resp: 2029465

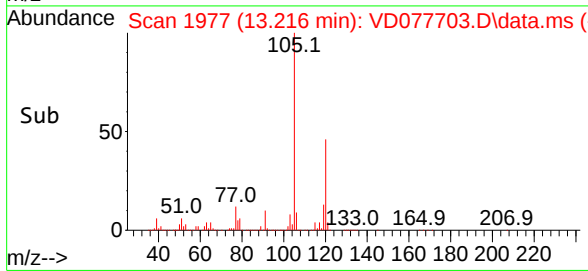
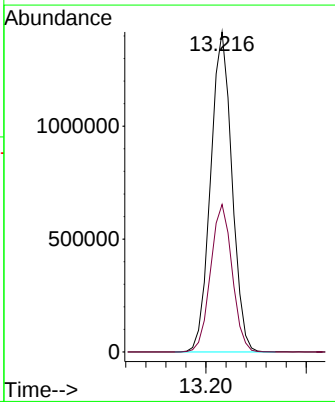
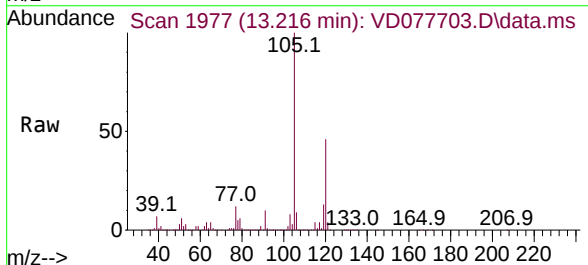
Ion	Ratio	Lower	Upper
105	100		
120	49.5	39.5	59.3

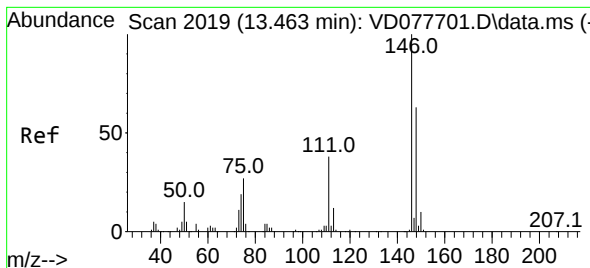


#63
 1,2,4-Trimethylbenzene
 Concen: 101.948 ug/L
 RT: 13.216 min Scan# 1977
 Delta R.T. 0.000 min
 Lab File: VD077703.D
 Acq: 29 Nov 2023 16:23

Tgt Ion:105 Resp: 2089066

Ion	Ratio	Lower	Upper
105	100		
120	46.5	37.1	55.7





#64

1,3-Dichlorobenzene

Concen: 102.714 ug/L

RT: 13.463 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

Instrument :

MSVOA_D

ClientSampleId :

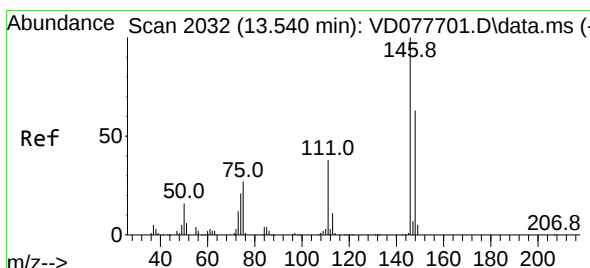
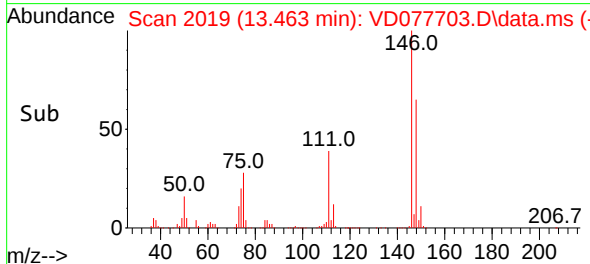
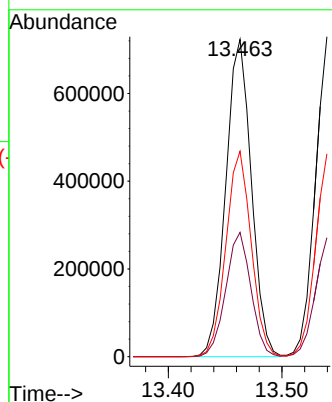
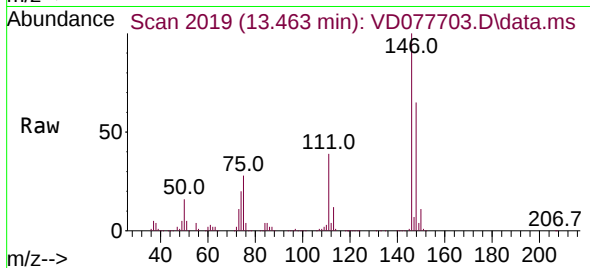
Tgt Ion:146 Resp: 1132590

Ion Ratio Lower Upper

146 100

111 39.2 26.6 49.4

148 64.8 44.0 81.6



#65

1,4-Dichlorobenzene

Concen: 102.966 ug/L

RT: 13.540 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

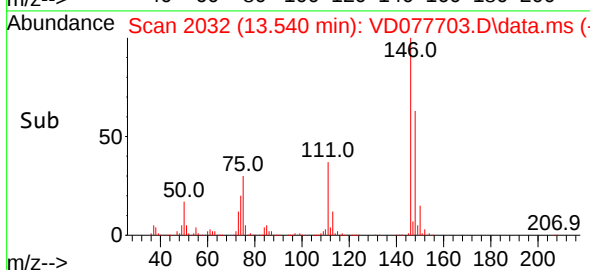
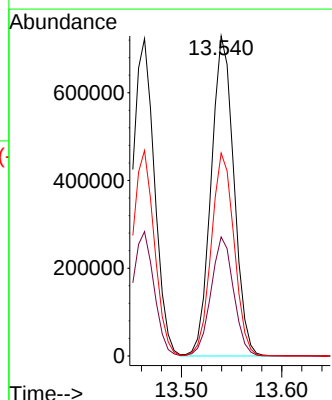
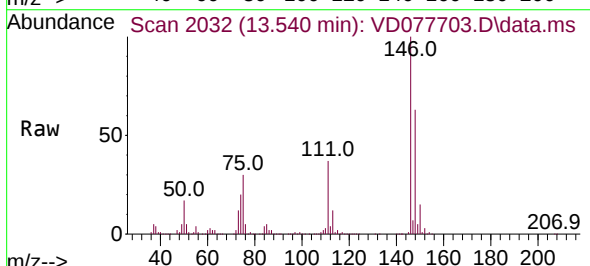
Tgt Ion:146 Resp: 1151753

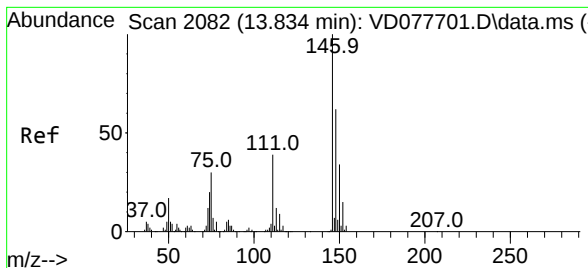
Ion Ratio Lower Upper

146 100

111 37.2 26.4 49.0

148 63.4 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 105.458 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

Instrument :

MSVOA_D

ClientSampleId :

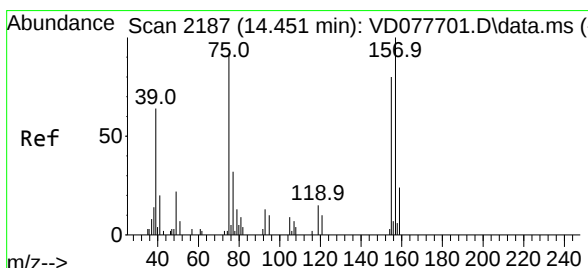
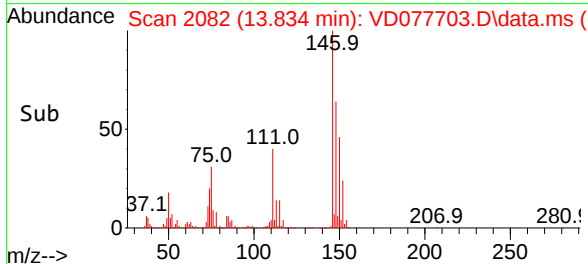
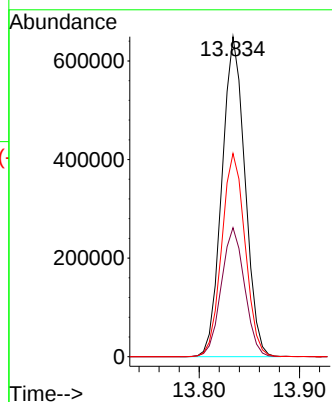
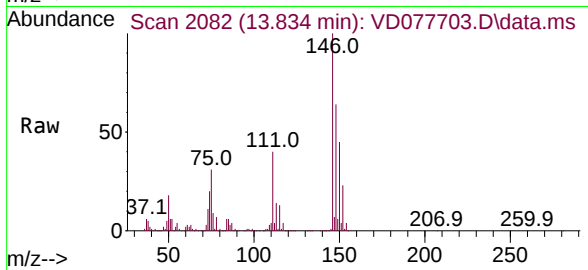
Tgt Ion:146 Resp: 1035543

Ion Ratio Lower Upper

146 100

111 40.3 31.4 47.2

148 63.5 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 87.246 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

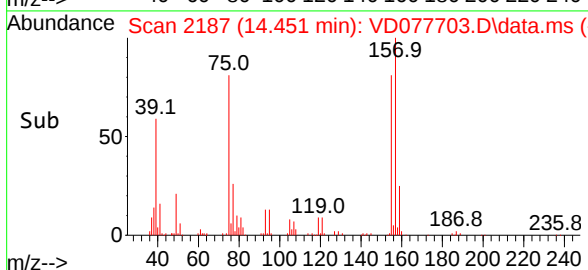
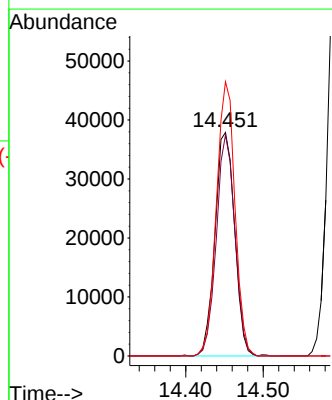
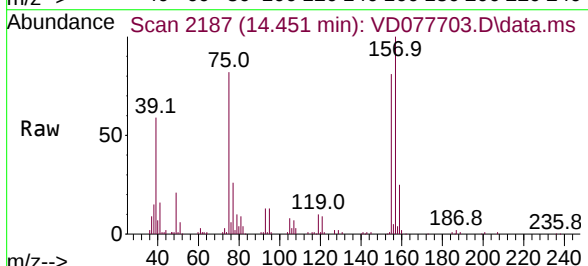
Tgt Ion: 75 Resp: 66466

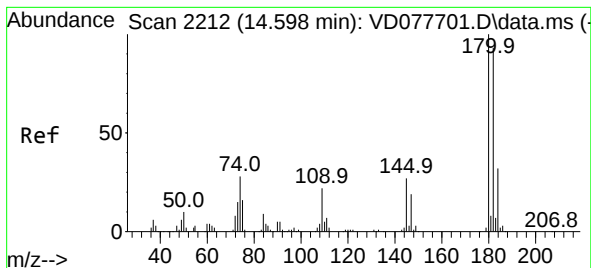
Ion Ratio Lower Upper

75 100

155 98.8 69.2 103.8

157 122.6 86.6 130.0





#69

1,3,5-Trichlorobenzene

Concen: 107.372 ug/L

RT: 14.598 min Scan# 2212

Delta R.T. 0.000 min

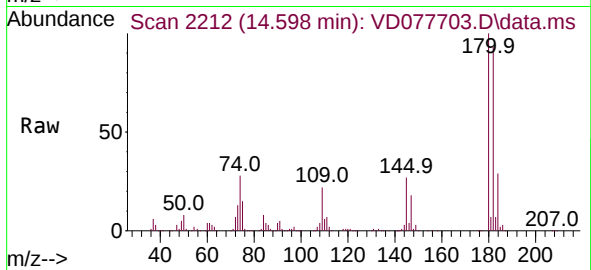
Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 804980

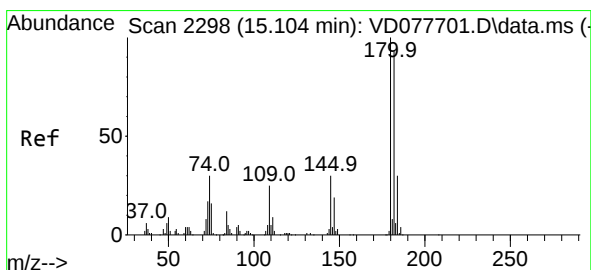
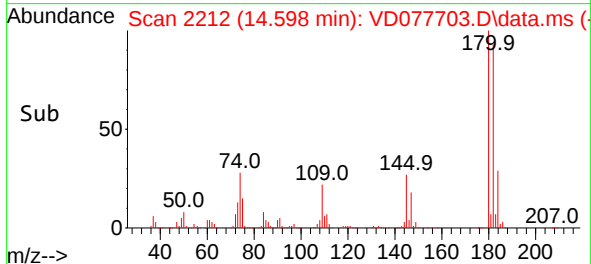
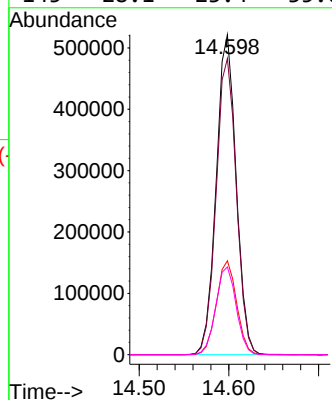
Ion Ratio Lower Upper

180 100

182 93.8 77.0 115.4

184 29.7 24.3 36.5

145 28.1 23.4 35.0



#70

1,2,4-trichlorobenzene

Concen: 109.018 ug/L

RT: 15.104 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VD077703.D

Acq: 29 Nov 2023 16:23

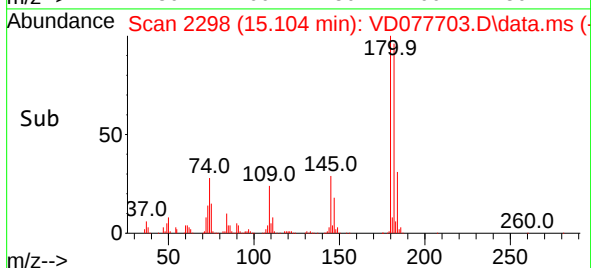
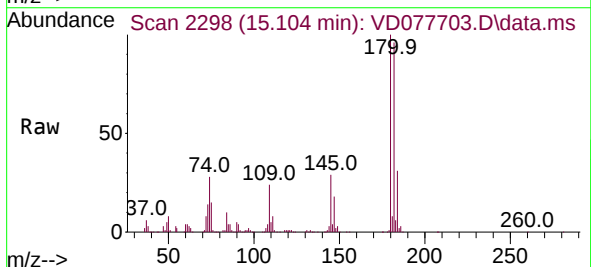
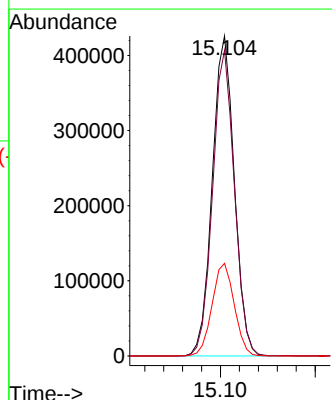
Tgt Ion:180 Resp: 688270

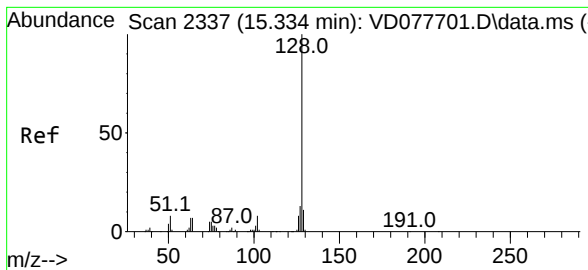
Ion Ratio Lower Upper

180 100

182 94.3 77.0 115.6

145 29.2 23.9 35.9

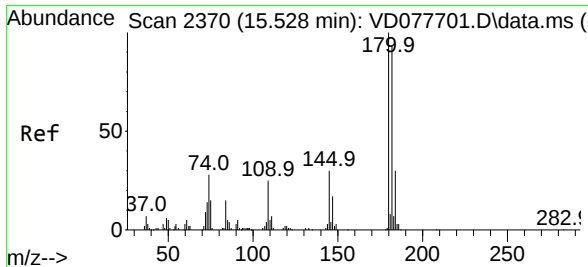
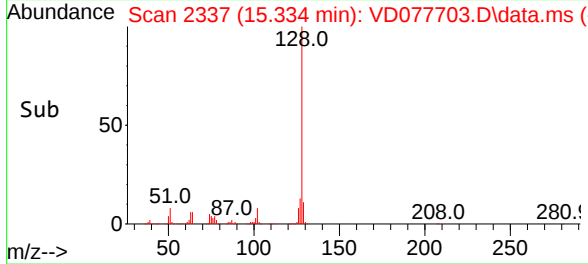
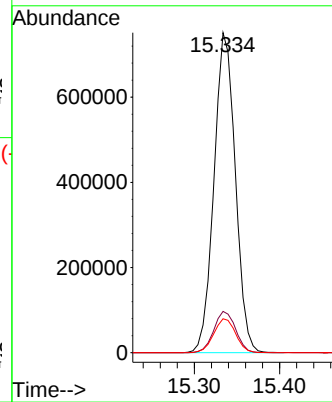
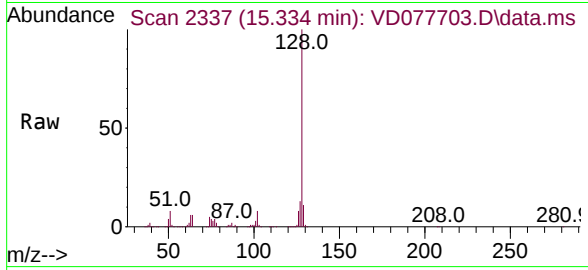




#71
Naphthalene
Concen: 110.109 ug/L
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1307105
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 110.070 ug/L
RT: 15.528 min Scan# 2370
Delta R.T. 0.000 min
Lab File: VD077703.D
Acq: 29 Nov 2023 16:23

Tgt Ion:180 Resp: 595996
Ion Ratio Lower Upper
180 100
182 95.0 77.3 115.9
145 30.6 25.2 37.8

