

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111723\
 Data File : VD077604.D
 Acq On : 17 Nov 2023 11:01
 Operator : JC/SY
 Sample : 05437-02MS
 Misc : 4.53G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EY1E2MS

Quant Time: Nov 18 00:34:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Nov 18 00:25:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	423631	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	372698	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	175430	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	196027	18.190	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.760%
7) Chloroethane-d5	2.805	69	176875	20.893	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.560%
11) 1,1-Dichloroethene-d2	3.922	65	59446	17.839	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.360%
21) 2-Butanone-d5	6.993	46	63716	34.150	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.300%
24) Chloroform-d	7.569	84	271431	22.180	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.720%
26) 1,2-Dichloroethane-d4	8.234	65	132183	20.306	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.240%
32) Benzene-d6	8.205	84	520197	21.505	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.040%
36) 1,2-Dichloropropane-d6	9.210	67	167903	21.310	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.240%
41) Toluene-d8	10.269	98	461693	21.122	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.480%
43) trans-1,3-Dichloroprop...	10.528	79	65374	19.243	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.960%
47) 2-Hexanone-d5	10.881	63	52930	37.552	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.100%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	108125	20.712	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.840%
66) 1,2-Dichlorobenzene-d4	13.816	152	134620	21.570	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	148605	21.782	ug/L	99
3) Chloromethane	2.152	50	211434	21.541	ug/L	99
5) Vinyl chloride	2.287	62	253563	22.888	ug/L	98
6) Bromomethane	2.699	94	144609	24.518	ug/L	100
8) Chloroethane	2.840	64	166779	24.215	ug/L	99
9) Trichlorofluoromethane	3.181	101	242301	24.033	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	145328	23.423	ug/L	99
12) 1,1-Dichloroethene	3.946	96	136071	22.587	ug/L	93
13) Acetone	4.022	43	86877	44.298	ug/L	98
14) Carbon disulfide	4.275	76	435131	20.059	ug/L	98
15) Methyl Acetate	4.569	43	53698	16.643	ug/L	99
16) Methylene chloride	4.805	84	184097	25.739	ug/L	97
17) trans-1,2-Dichloroethene	5.316	96	141956	22.401	ug/L	97
18) Methyl tert-butyl Ether	5.322	73	287835	19.352	ug/L	99
19) 1,1-Dichloroethane	6.116	63	292691	23.020	ug/L	95
20) cis-1,2-Dichloroethene	7.081	96	152890	22.207	ug/L	98
22) 2-Butanone	7.081	43	83558	35.409	ug/L	99
23) Bromochloromethane	7.428	128	61008	22.053	ug/L	91
25) Chloroform	7.599	83	273008	23.374	ug/L	96

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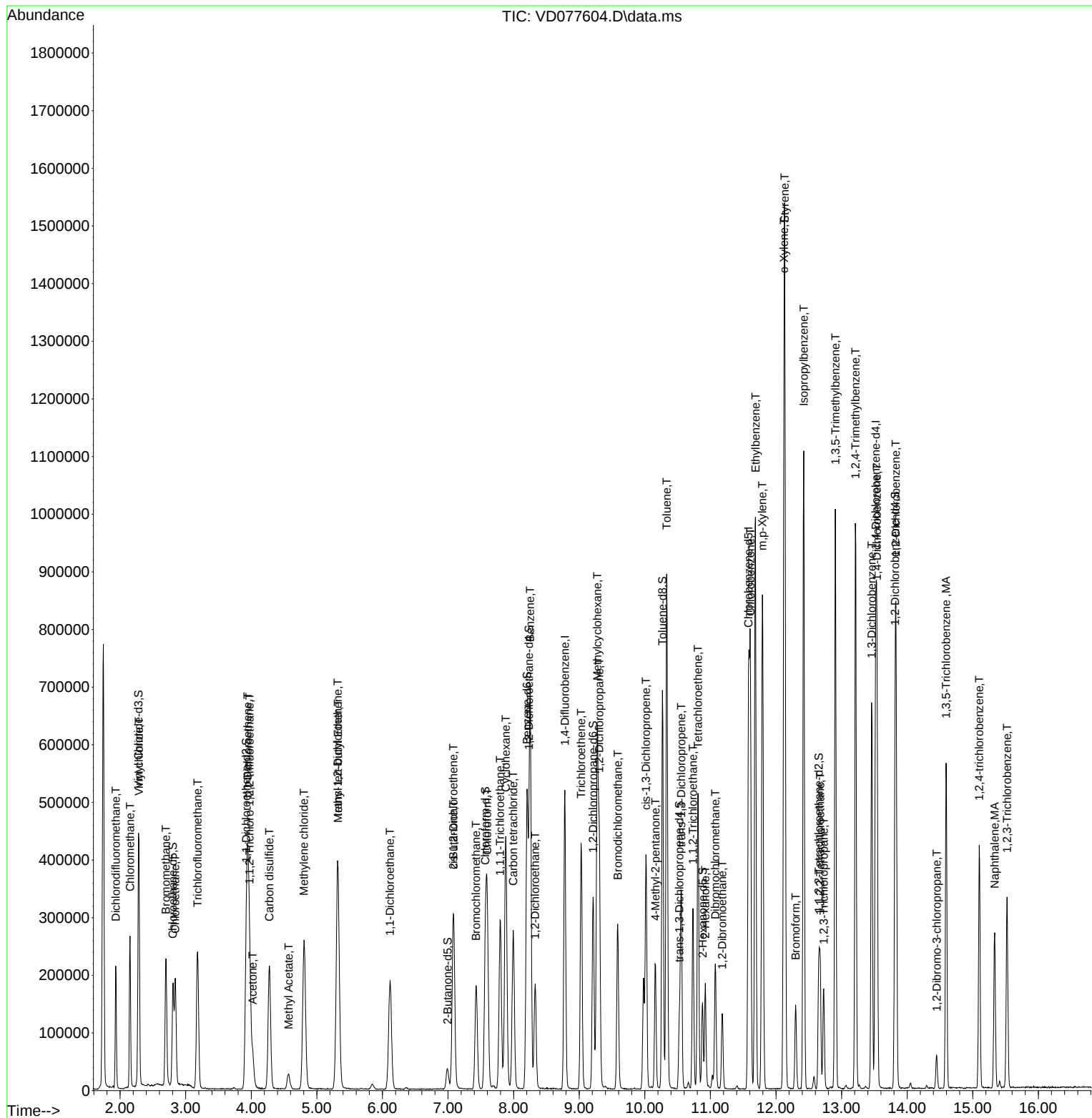
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	163824	21.158	ug/L	98
29) Cyclohexane	7.881	56	257285	21.262	ug/L	99
30) 1,1,1-Trichloroethane	7.793	97	239742	24.572	ug/L	99
31) Carbon tetrachloride	7.993	117	205934	24.560	ug/L	100
33) Benzene	8.252	78	619106	23.955	ug/L	100
34) Trichloroethene	9.028	95	152348	23.789	ug/L	90
35) Methylcyclohexane	9.275	83	248731	21.523	ug/L	97
37) 1,2-Dichloropropane	9.304	63	166207	23.133	ug/L	100
38) Bromodichloromethane	9.587	83	192472	23.354	ug/L	96
39) cis-1,3-Dichloropropene	10.016	75	244147	22.113	ug/L	99
40) 4-Methyl-2-pentanone	10.163	43	153066	34.959	ug/L	98
42) Toluene	10.334	91	662688	24.422	ug/L	100
44) trans-1,3-Dichloropropene	10.557	75	197183	21.614	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	97187	22.129	ug/L	96
46) Tetrachloroethene	10.810	164	112882	23.956	ug/L	98
48) 2-Hexanone	10.922	43	118118	34.034	ug/L	97
49) Dibromochloromethane	11.075	129	109475	21.944	ug/L	96
50) 1,2-Dibromoethane	11.181	107	87776	20.899	ug/L	98
51) Chlorobenzene	11.610	112	377047	23.718	ug/L	97
52) Ethylbenzene	11.687	91	719626	24.102	ug/L	97
53) m,p-Xylene	11.793	106	264211	24.318	ug/L	99
54) o-Xylene	12.122	106	256819	24.680	ug/L	92
55) Styrene	12.134	104	433768	23.874	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.675	83	103419	19.989	ug/L	100
59) Bromoform	12.298	173	63322	21.171	ug/L #	99
60) Isopropylbenzene	12.422	105	704034	24.811	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	72204	19.322	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	519716	24.132	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	525563	24.091	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	263437	22.629	ug/L	99
65) 1,4-Dichlorobenzene	13.540	146	270889	23.057	ug/L	98
67) 1,2-Dichlorobenzene	13.828	146	230759	22.421	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.451	75	14987	18.438	ug/L	84
69) 1,3,5-Trichlorobenzene	14.592	180	168641	21.275	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	130925	19.598	ug/L	99
71) Naphthalene	15.334	128	229751	18.248	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	106624	18.718	ug/L	98

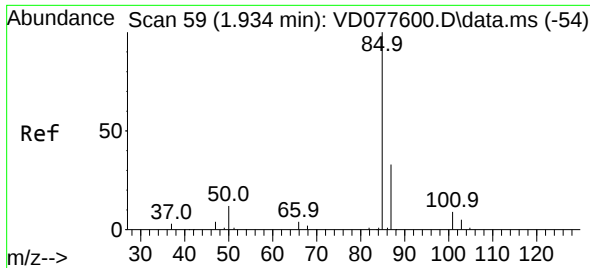
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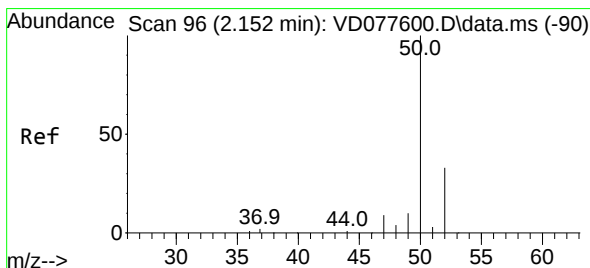
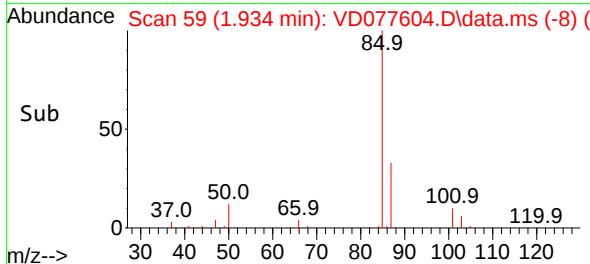
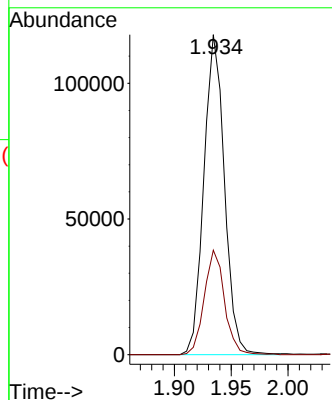
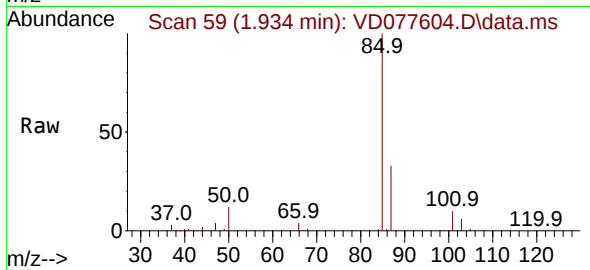




#2
 Dichlorodifluoromethane
 Concen: 21.782 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD077604.D
 Acq: 17 Nov 2023 11:01

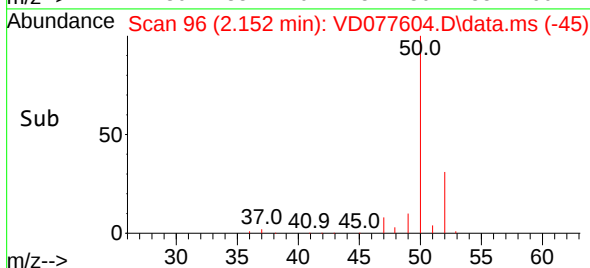
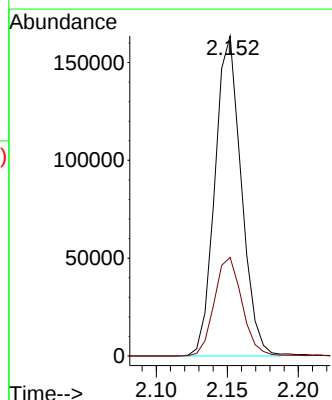
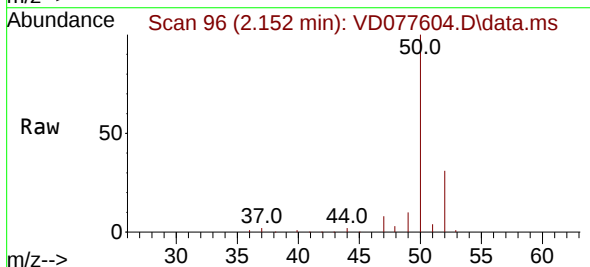
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 ClientSampleId :
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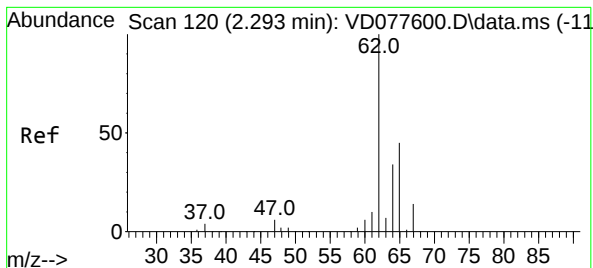
Tgt Ion: 85 Resp: 148605
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.2 39.2



#3
 Chloromethane
 Concen: 21.541 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VD077604.D
 Acq: 17 Nov 2023 11:01

Tgt Ion: 50 Resp: 211434
 Ion Ratio Lower Upper
 50 100
 52 30.8 22.1 41.1





#5

Vinyl chloride

Concen: 22.888 ug/L

RT: 2.287 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD077604.D

Acq: 17 Nov 2023 11:01

Instrument :

MSVOA_D

ClientSampleId :

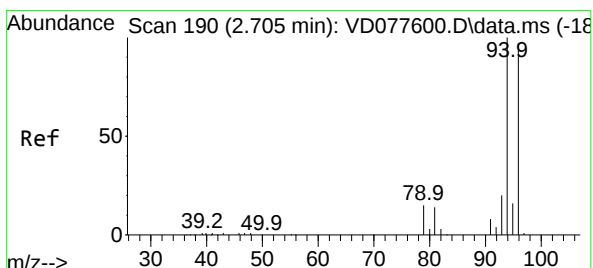
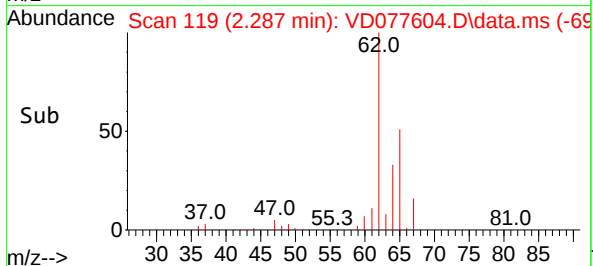
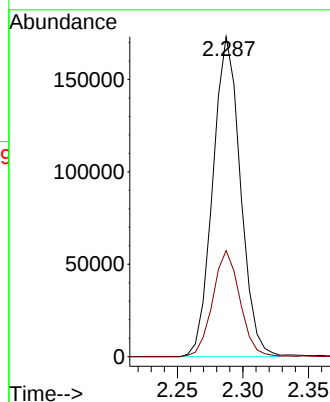
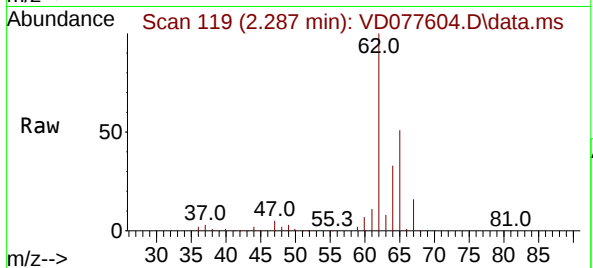
EY1E2MS

Tgt Ion: 62 Resp: 253563

Ion Ratio Lower Upper

62 100

64 33.2 23.9 44.5



#6

Bromomethane

Concen: 24.518 ug/L

RT: 2.699 min Scan# 189

Delta R.T. -0.006 min

Lab File: VD077604.D

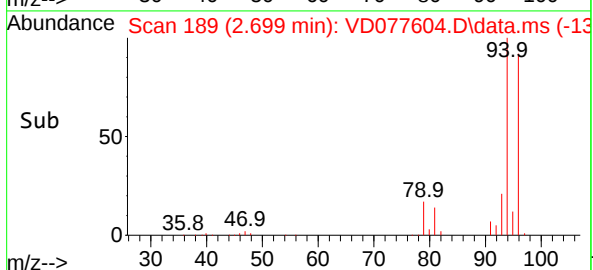
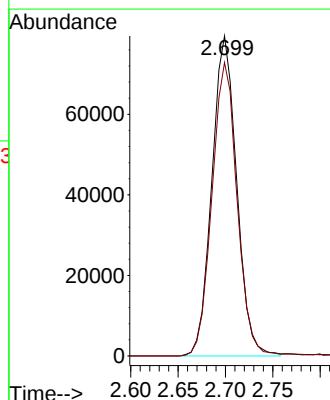
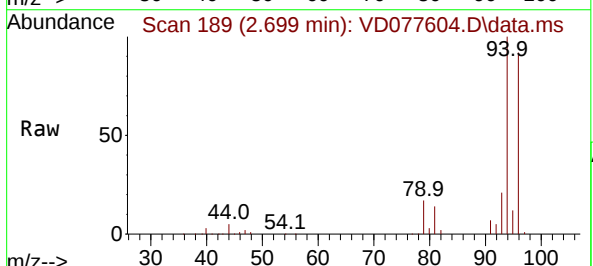
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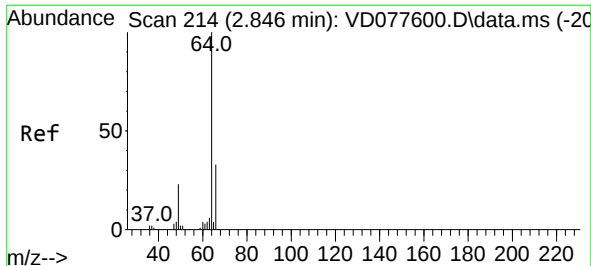
Tgt Ion: 94 Resp: 144609

Ion Ratio Lower Upper

94 100

96 91.7 64.5 119.9

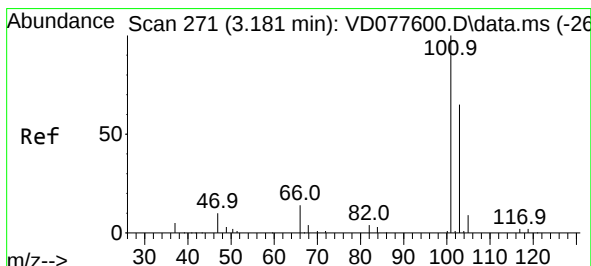
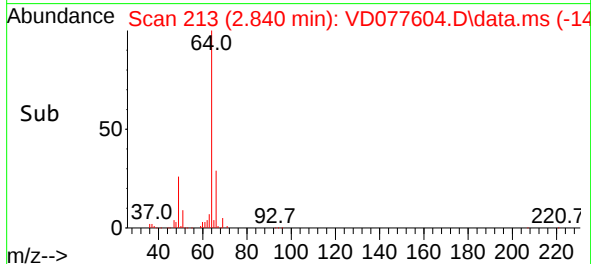
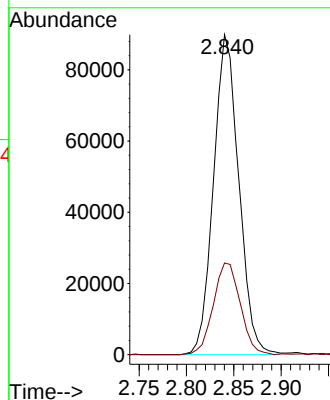
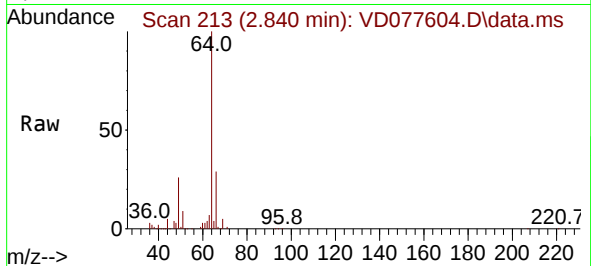




#8
Chloroethane
Concen: 24.215 ug/L
RT: 2.840 min Scan# 214
Delta R.T. -0.006 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

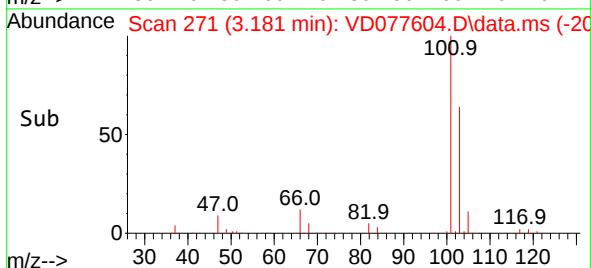
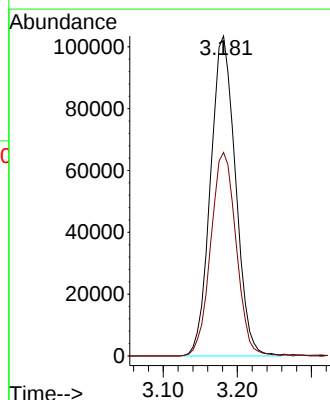
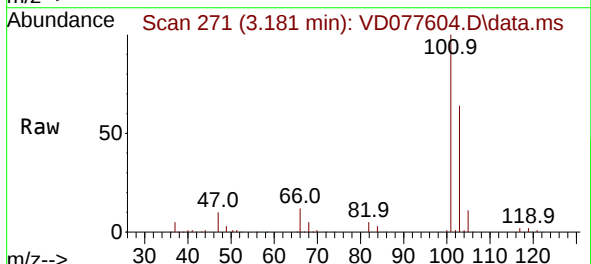
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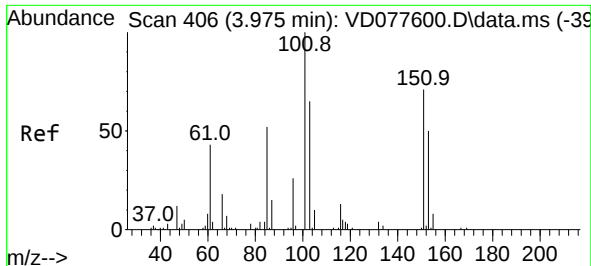
Tgt Ion: 64 Resp: 166779
Ion Ratio Lower Upper
64 100
66 28.7 19.8 36.8



#9
Trichlorofluoromethane
Concen: 24.033 ug/L
RT: 3.181 min Scan# 271
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

Tgt Ion:101 Resp: 242301
Ion Ratio Lower Upper
101 100
103 64.7 51.9 77.9

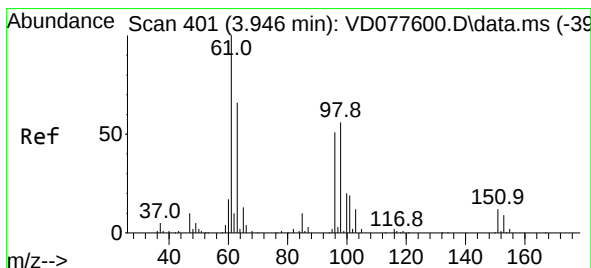
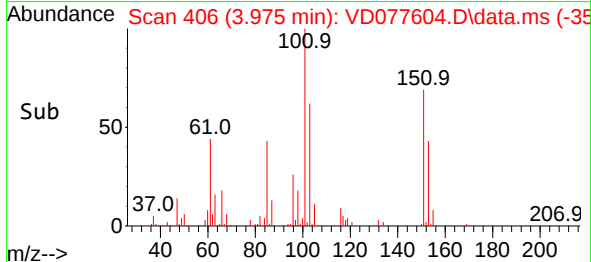
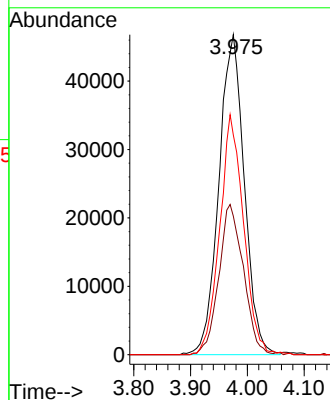
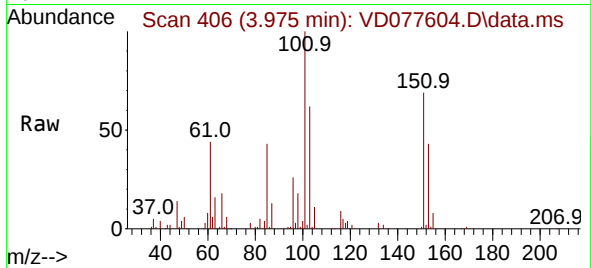




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.423 ug/L
 RT: 3.975 min Scan# 406
 Delta R.T. 0.000 min
 Lab File: VD077604.D
 Acq: 17 Nov 2023 11:01

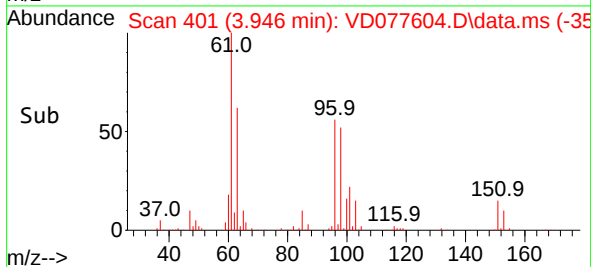
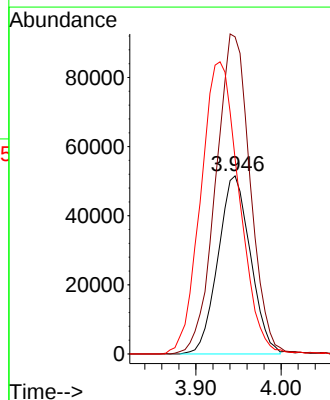
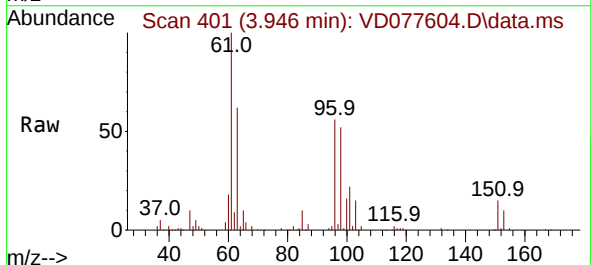
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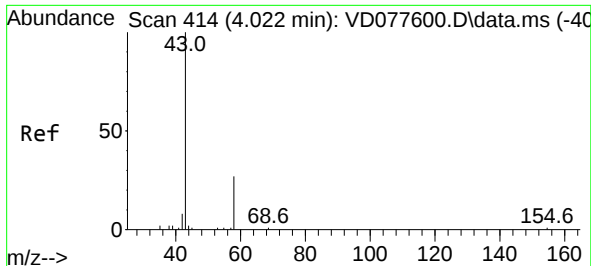
Tgt Ion:101 Resp: 145328
 Ion Ratio Lower Upper
 101 100
 85 45.4 36.8 55.2
 151 70.3 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 22.587 ug/L
 RT: 3.946 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VD077604.D
 Acq: 17 Nov 2023 11:01

Tgt Ion: 96 Resp: 136071
 Ion Ratio Lower Upper
 96 100
 61 178.0 127.5 236.9
 63 109.7 86.4 160.4

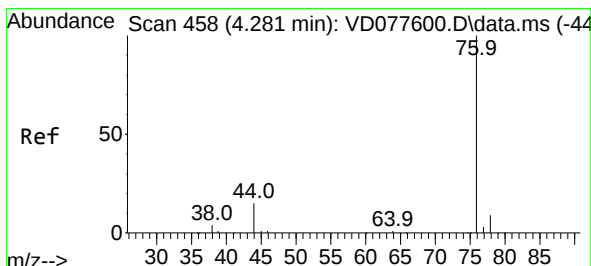
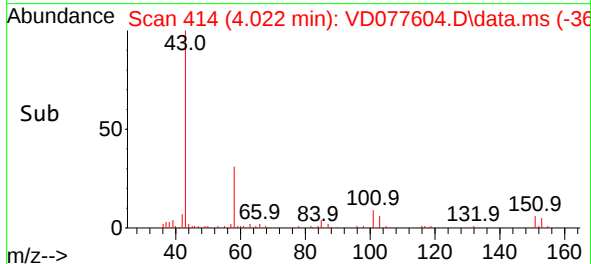
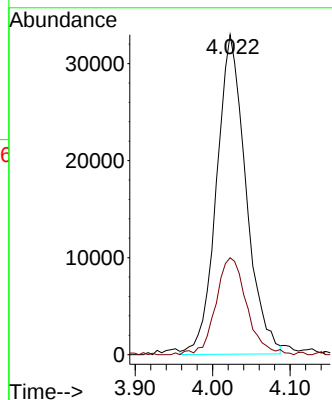
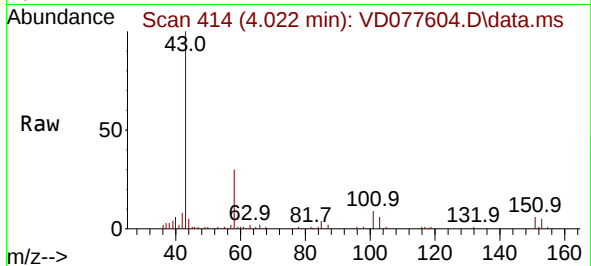




#13
Acetone
Concen: 44.298 ug/L
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
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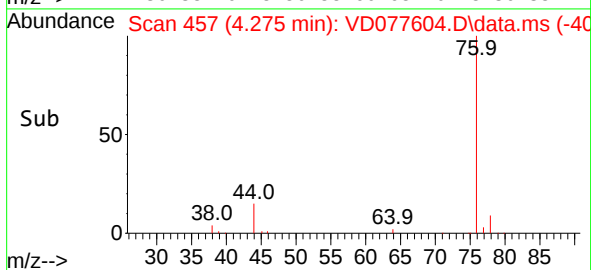
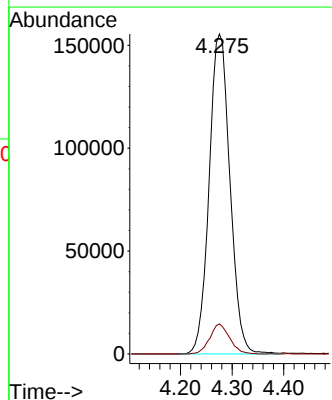
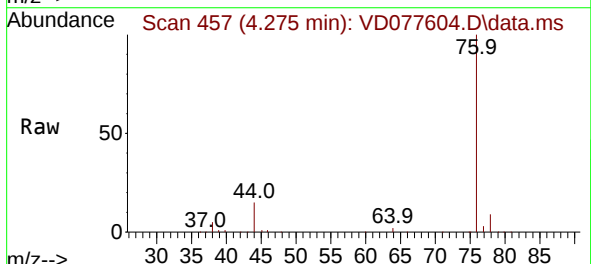
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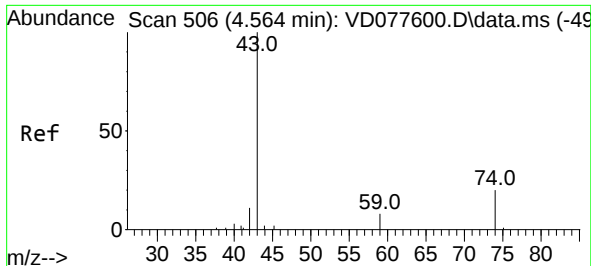
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Ion Ratio Lower Upper
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58 31.0 0.0 64.0



#14
Carbon disulfide
Concen: 20.059 ug/L
RT: 4.275 min Scan# 457
Delta R.T. -0.006 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

Tgt Ion: 76 Resp: 435131
Ion Ratio Lower Upper
76 100
78 9.4 6.9 10.3

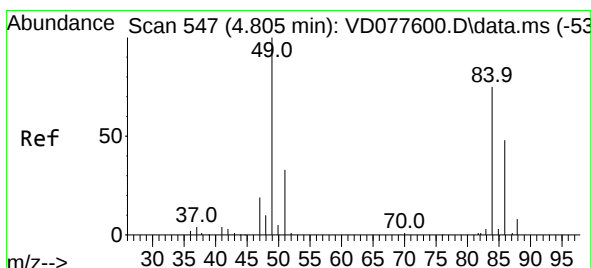
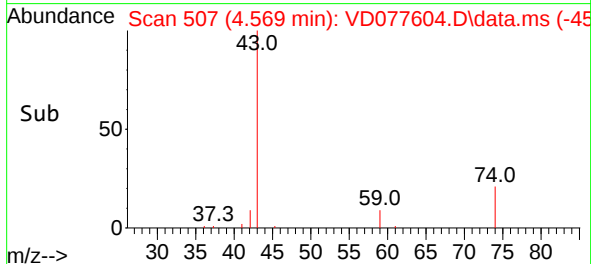
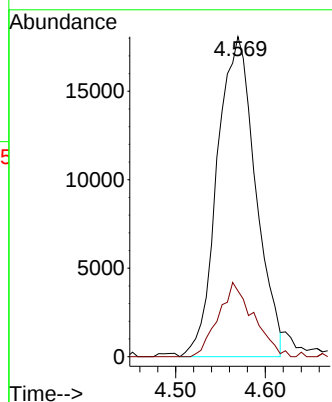
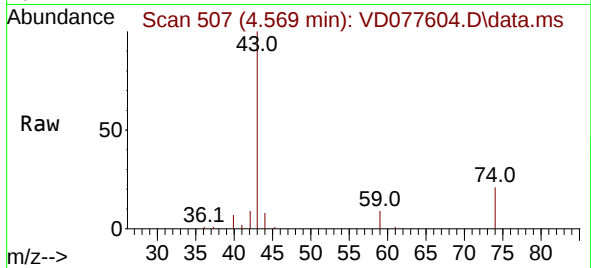




#15
Methyl Acetate
Concen: 16.643 ug/L
RT: 4.569 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

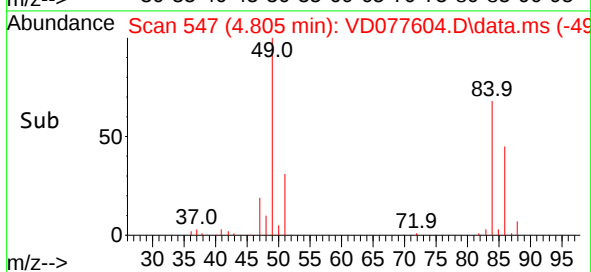
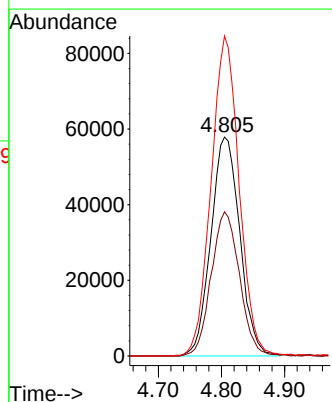
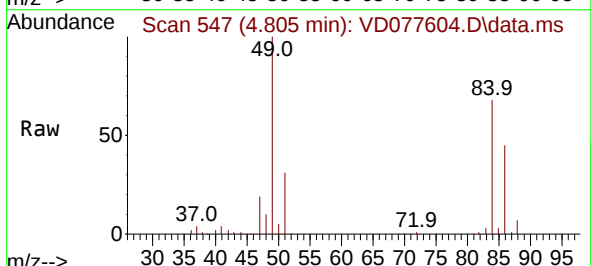
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MS

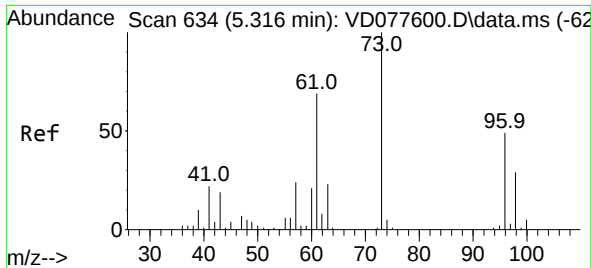
Tgt Ion: 43 Resp: 53698
Ion Ratio Lower Upper
43 100
74 21.3 16.6 24.8



#16
Methylene chloride
Concen: 25.739 ug/L
RT: 4.805 min Scan# 547
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

Tgt Ion: 84 Resp: 184097
Ion Ratio Lower Upper
84 100
86 65.9 46.5 86.5
49 146.2 98.3 182.7

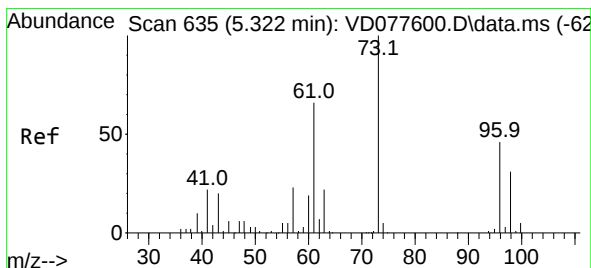
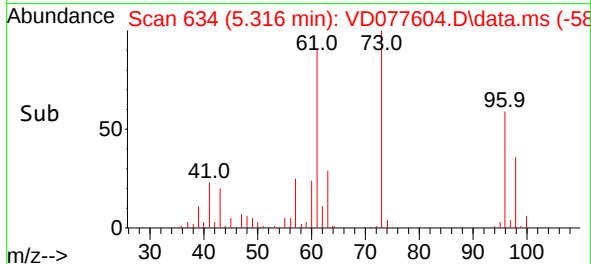
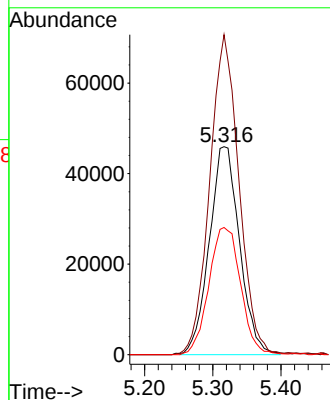
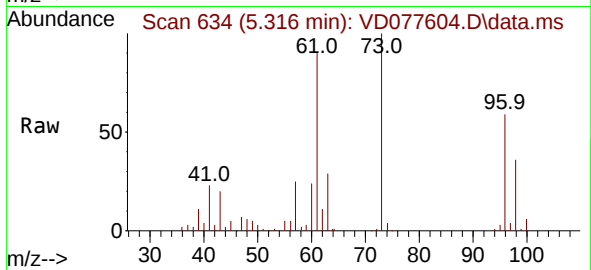




#17
trans-1,2-Dichloroethene
Concen: 22.401 ug/L
RT: 5.316 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

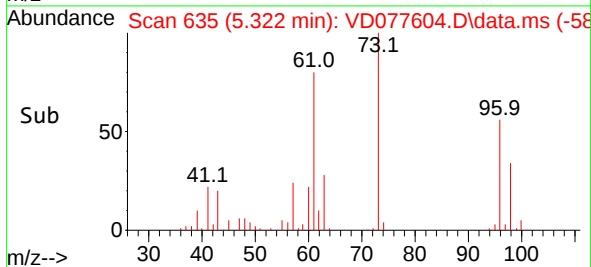
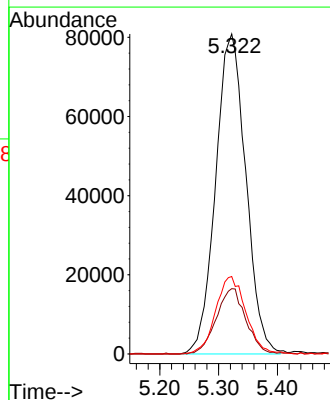
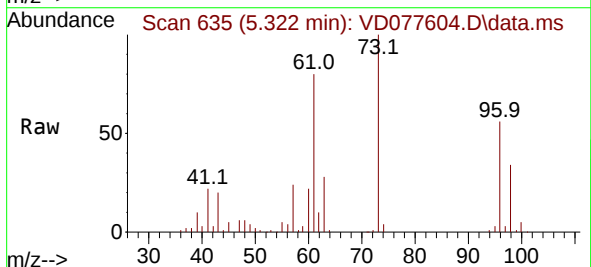
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MS

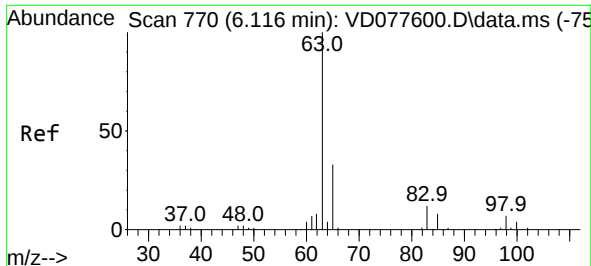
Tgt Ion: 96 Resp: 141956
Ion Ratio Lower Upper
96 100
61 153.8 104.0 193.2
98 61.2 43.1 80.1



#18
Methyl tert-butyl Ether
Concen: 19.352 ug/L
RT: 5.322 min Scan# 635
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

Tgt Ion: 73 Resp: 287835
Ion Ratio Lower Upper
73 100
43 20.0 16.4 24.6
57 24.2 19.3 28.9





#19

1,1-Dichloroethane

Concen: 23.020 ug/L

RT: 6.116 min Scan# 71

Delta R.T. 0.000 min

Lab File: VD077604.D

Acq: 17 Nov 2023 11:01

Instrument :

MSVOA_D

ClientSampleId :

EY1E2MS

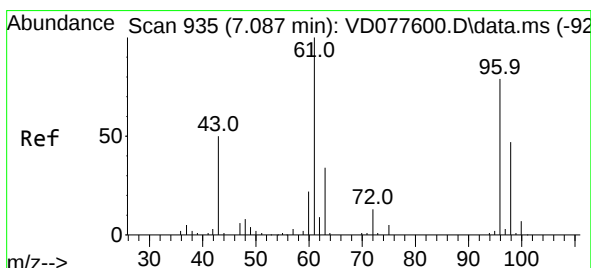
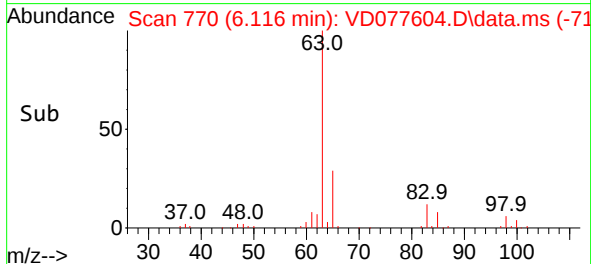
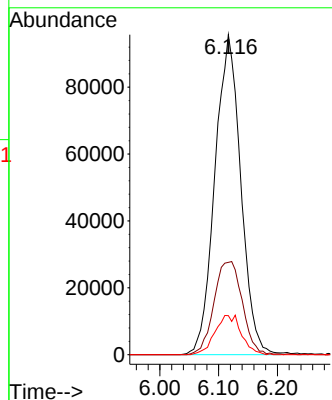
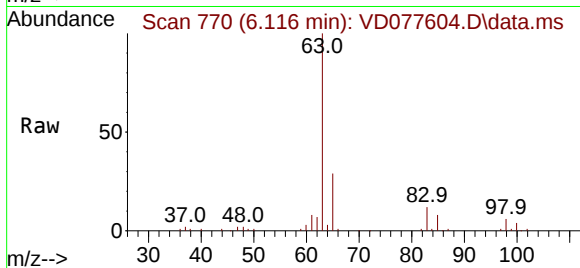
Tgt Ion: 63 Resp: 292691

Ion Ratio Lower Upper

63 100

65 28.9 22.6 42.0

83 12.2 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 22.207 ug/L

RT: 7.081 min Scan# 934

Delta R.T. -0.006 min

Lab File: VD077604.D

Acq: 17 Nov 2023 11:01

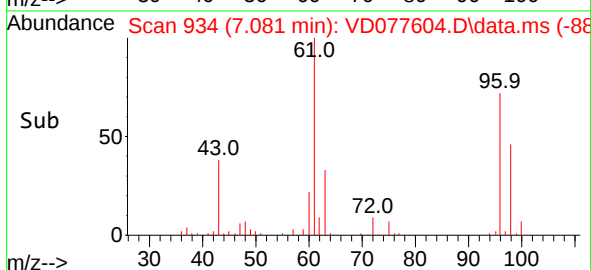
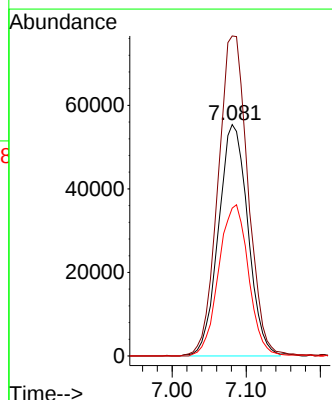
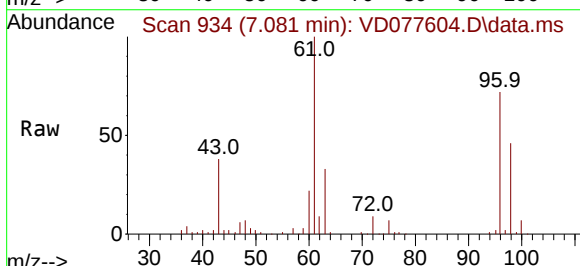
Tgt Ion: 96 Resp: 152890

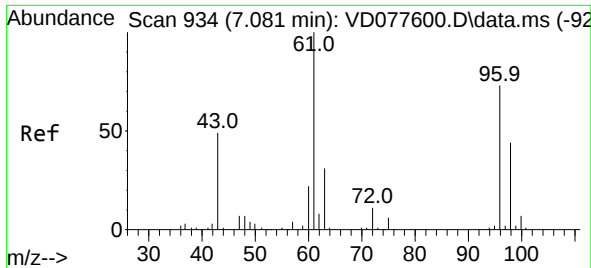
Ion Ratio Lower Upper

96 100

61 138.3 95.0 176.4

98 63.9 43.1 80.1

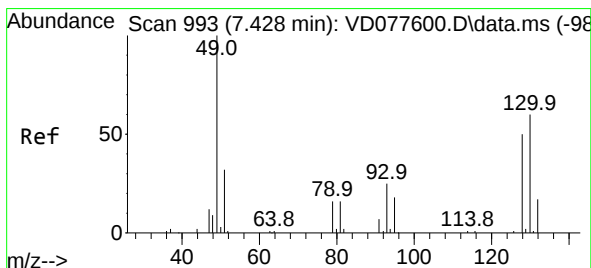
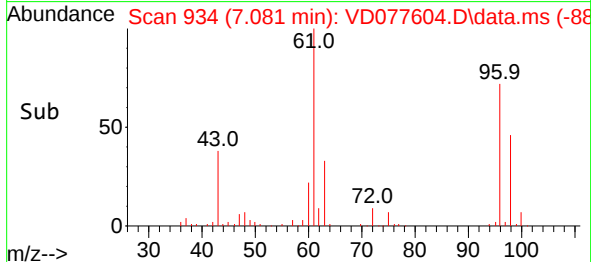
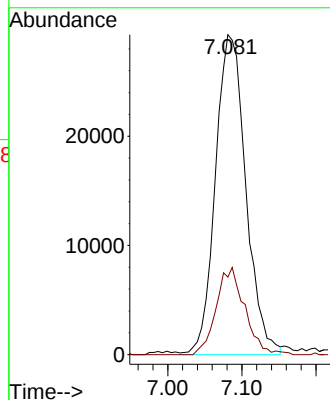
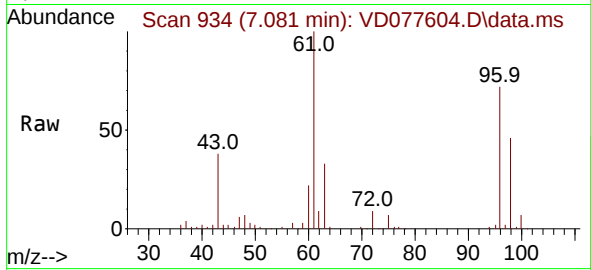




#22
2-Butanone
Concen: 35.409 ug/L
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

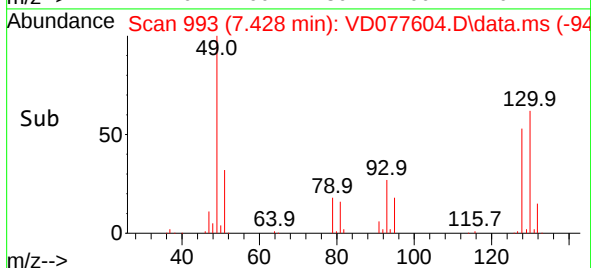
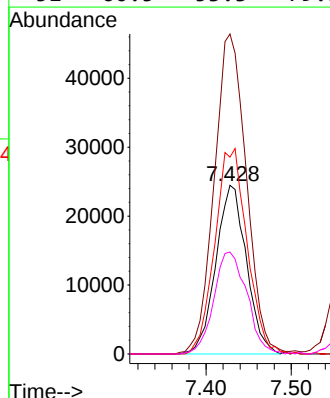
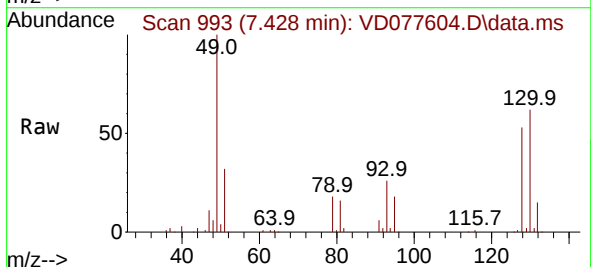
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MS

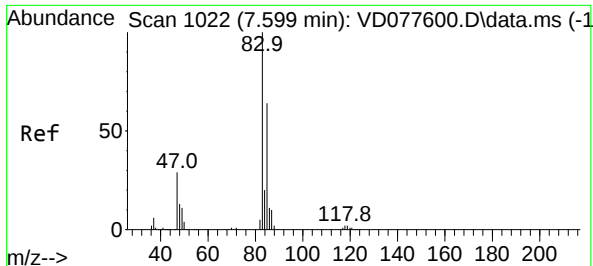
Tgt Ion: 43 Resp: 83558
Ion Ratio Lower Upper
43 100
72 25.2 12.8 38.4



#23
Bromochloromethane
Concen: 22.053 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

Tgt Ion: 128 Resp: 61008
Ion Ratio Lower Upper
128 100
49 189.8 146.7 272.5
130 116.8 83.2 154.6
51 60.5 53.3 79.9





#25

Chloroform

Concen: 23.374 ug/L

RT: 7.599 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VD077604.D

Acq: 17 Nov 2023 11:01

Instrument :

MSVOA_D

ClientSampleId :

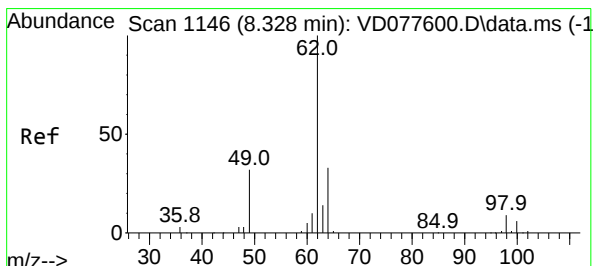
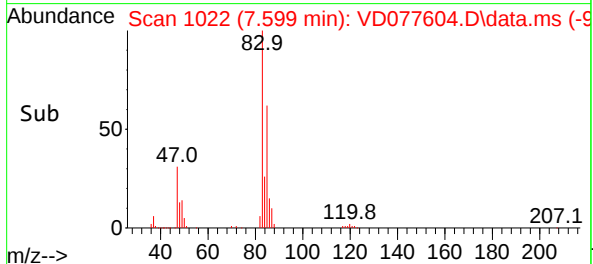
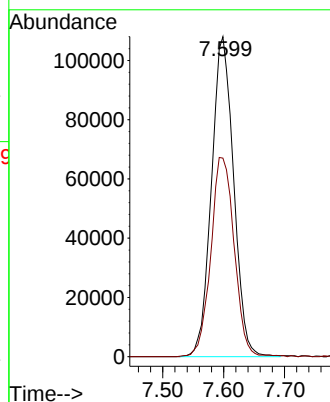
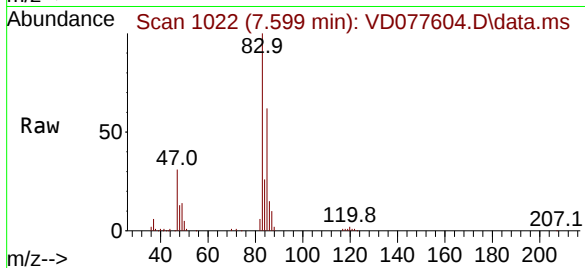
EY1E2MS

Tgt Ion: 83 Resp: 273008

Ion Ratio Lower Upper

83 100

85 62.1 45.9 85.3



#27

1,2-Dichloroethane

Concen: 21.158 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VD077604.D

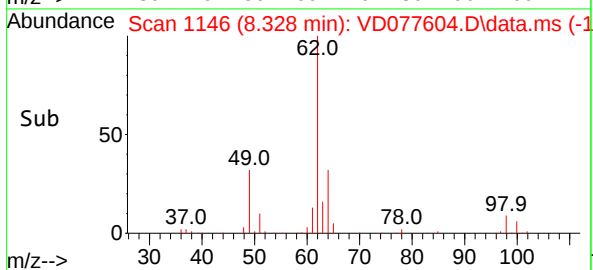
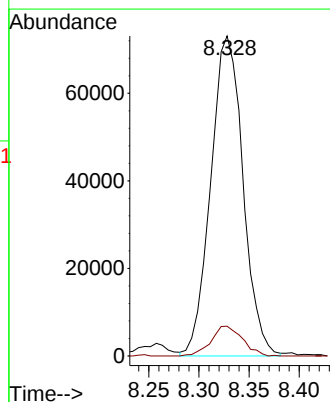
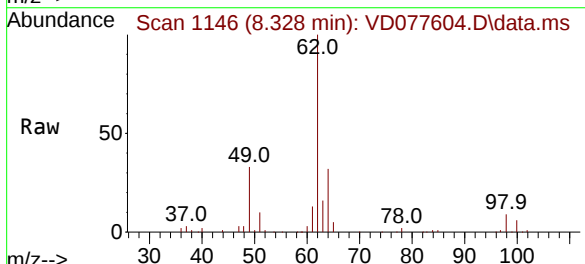
Acq: 17 Nov 2023 11:01

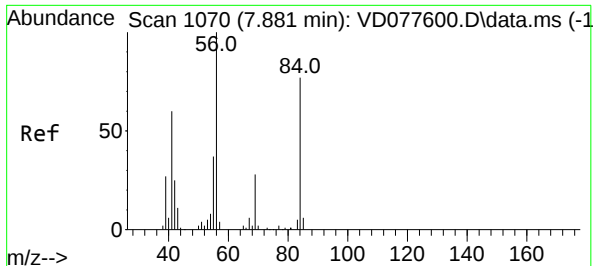
Tgt Ion: 62 Resp: 163824

Ion Ratio Lower Upper

62 100

98 9.3 8.0 12.0





#29

Cyclohexane

Concen: 21.262 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD077604.D

Acq: 17 Nov 2023 11:01

Instrument :

MSVOA_D

ClientSampleId :

EY1E2MS

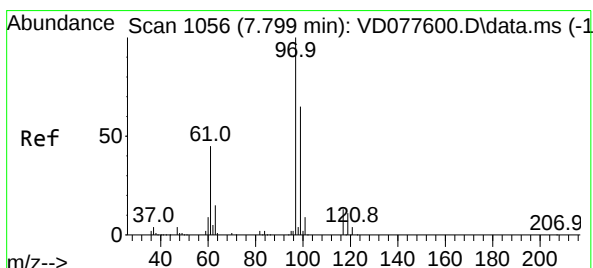
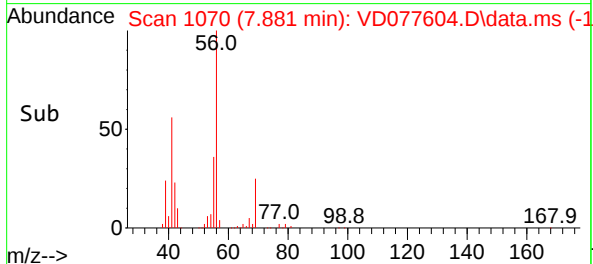
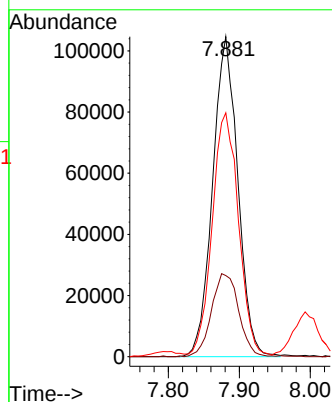
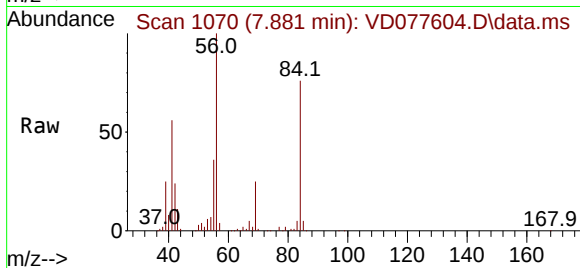
Tgt Ion: 56 Resp: 257285

Ion Ratio Lower Upper

56 100

69 28.0 22.6 33.8

84 79.8 63.3 94.9



#30

1,1,1-Trichloroethane

Concen: 24.572 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VD077604.D

Acq: 17 Nov 2023 11:01

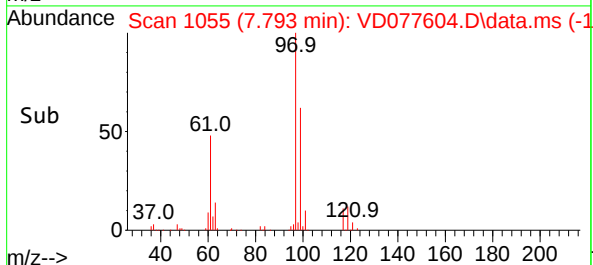
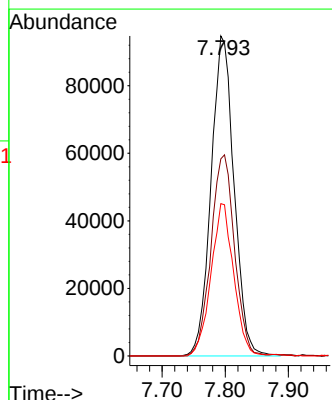
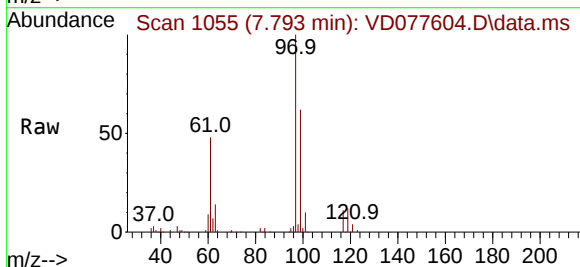
Tgt Ion: 97 Resp: 239742

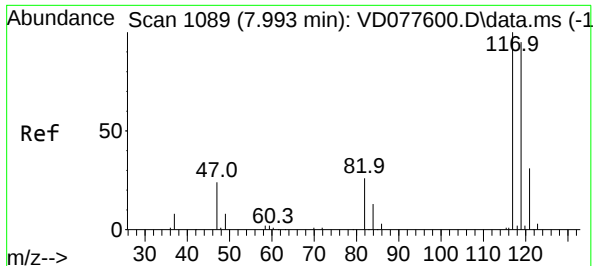
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.2

61 46.9 38.1 57.1

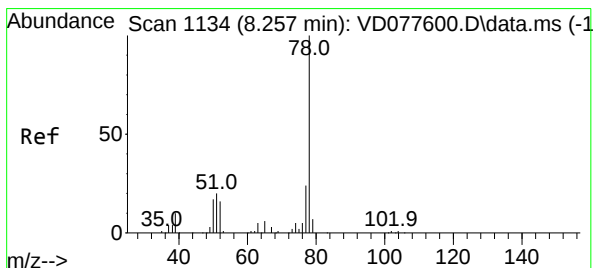
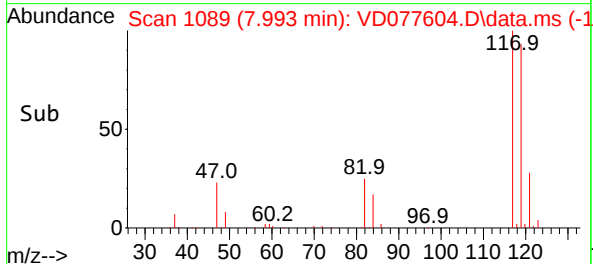
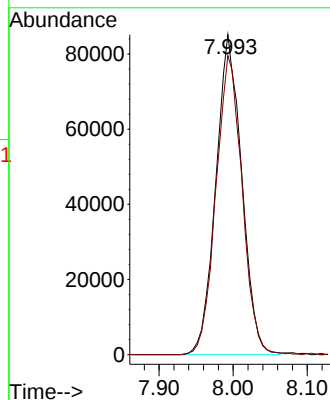
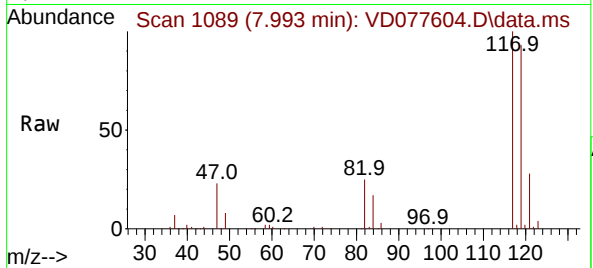




#31
Carbon tetrachloride
Concen: 24.560 ug/L
RT: 7.993 min Scan# 1108
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

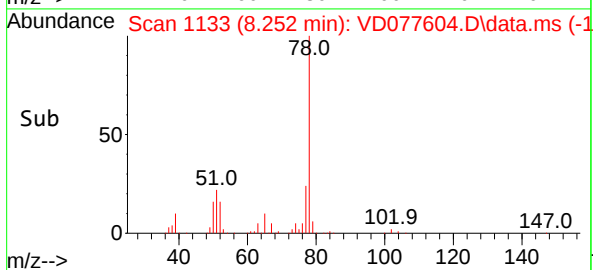
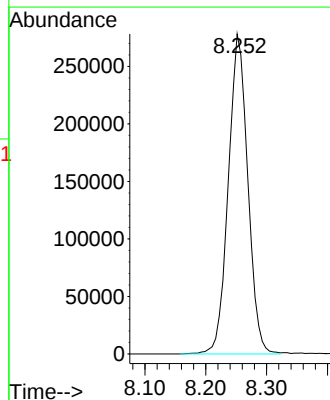
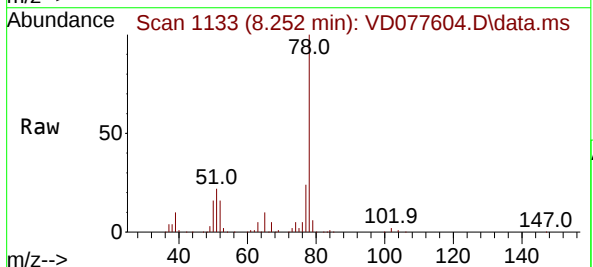
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MS

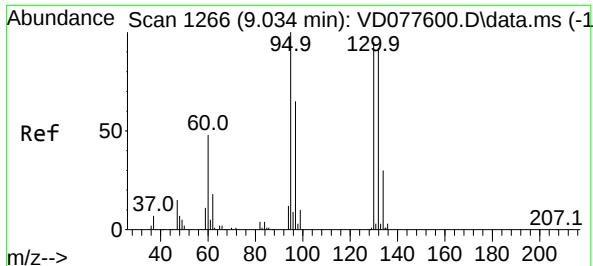
Tgt Ion:117 Resp: 205934
Ion Ratio Lower Upper
117 100
119 94.6 75.4 113.0



#33
Benzene
Concen: 23.955 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

Tgt Ion: 78 Resp: 619106



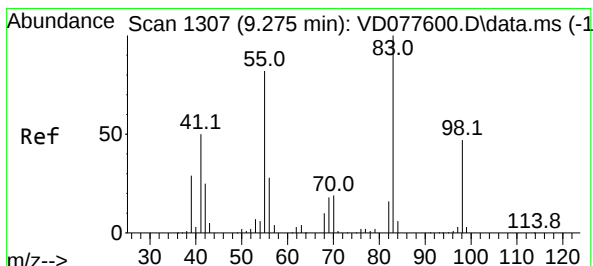
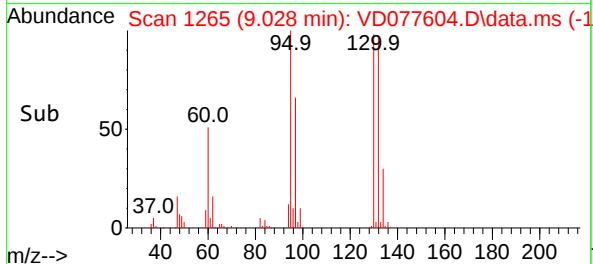
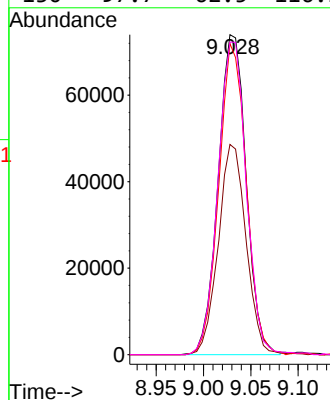
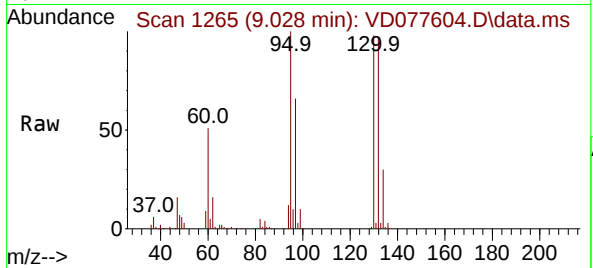


#34
Trichloroethene
Concen: 23.789 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. -0.006 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

Instrument :
MSVOA_D
ClientSampleId :
EY1E2MS

Tgt Ion: 95 Resp: 152348

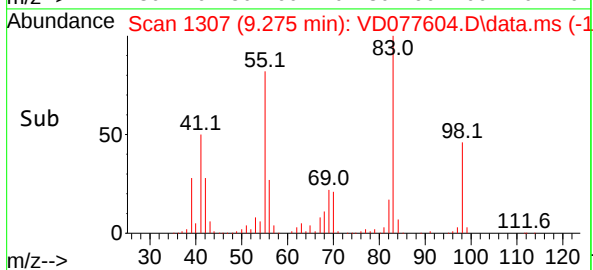
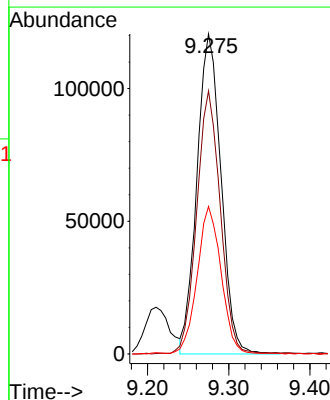
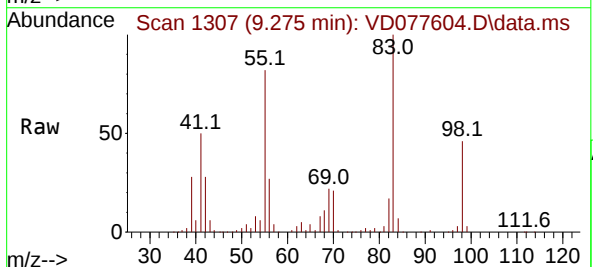
Ion	Ratio	Lower	Upper
95	100		
97	65.7	42.4	78.6
132	97.2	59.4	110.2
130	97.7	62.5	116.1

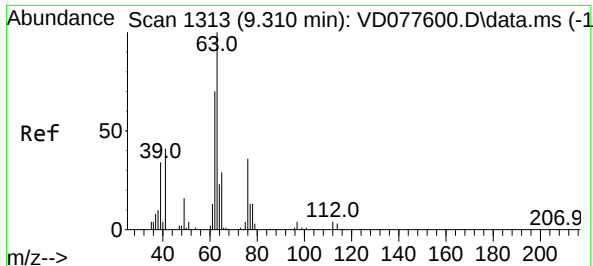


#35
Methylcyclohexane
Concen: 21.523 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

Tgt Ion: 83 Resp: 248731

Ion	Ratio	Lower	Upper
83	100		
55	80.2	66.5	99.7
98	45.8	37.4	56.2





#37

1,2-Dichloropropane

Concen: 23.133 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VD077604.D

Acq: 17 Nov 2023 11:01

Instrument :

MSVOA_D

ClientSampleId :

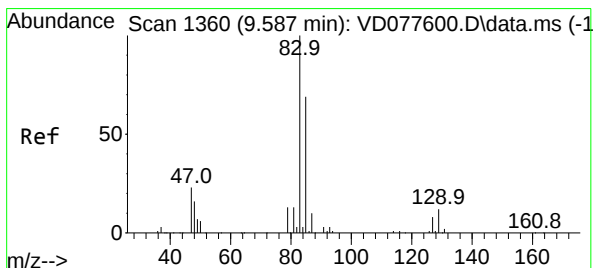
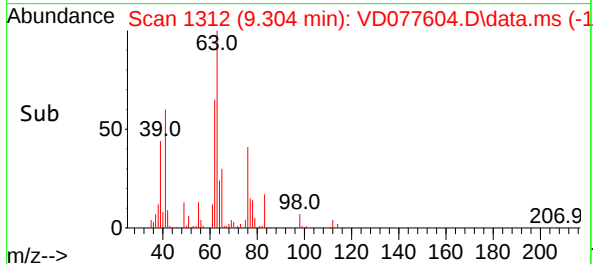
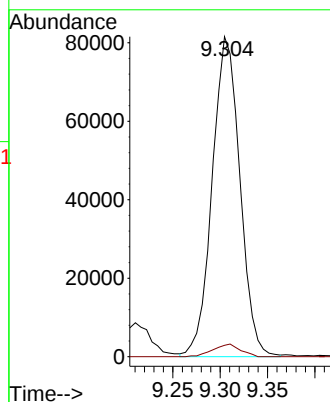
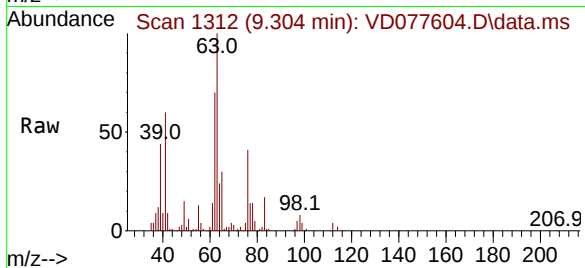
EY1E2MS

Tgt Ion: 63 Resp: 166207

Ion Ratio Lower Upper

63 100

112 3.9 3.2 4.8



#38

Bromodichloromethane

Concen: 23.354 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD077604.D

Acq: 17 Nov 2023 11:01

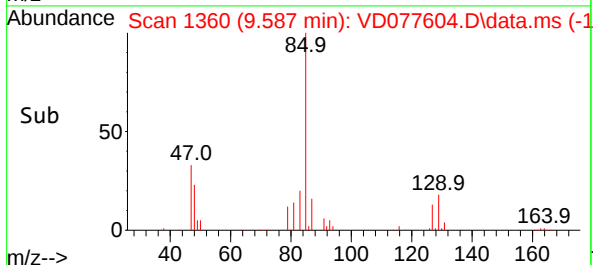
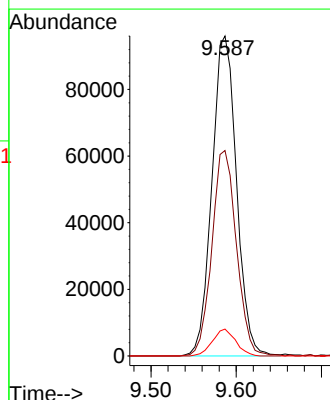
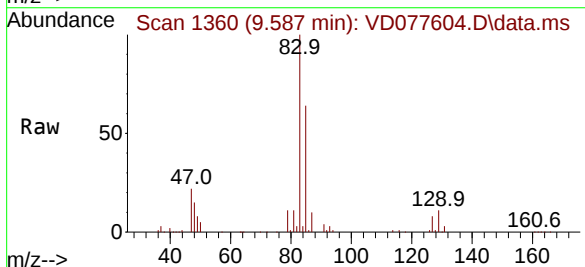
Tgt Ion: 83 Resp: 192472

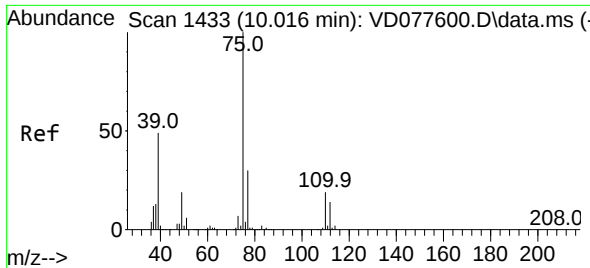
Ion Ratio Lower Upper

83 100

85 64.2 42.4 78.8

127 8.4 6.4 9.6

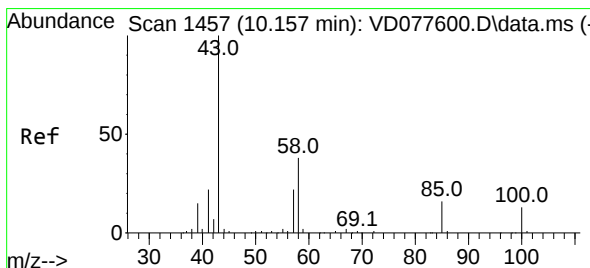
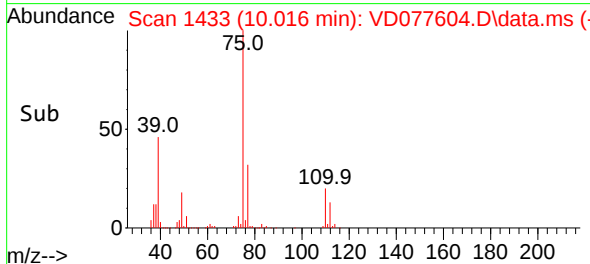
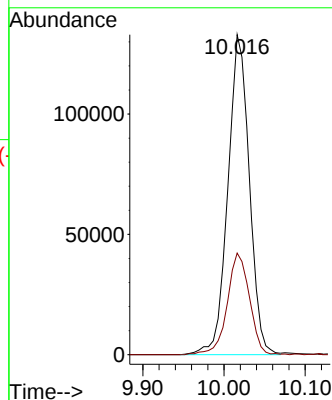
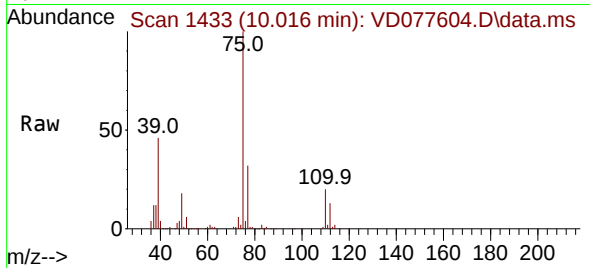




#39
 cis-1,3-Dichloropropene
 Concen: 22.113 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD077604.D
 Acq: 17 Nov 2023 11:01

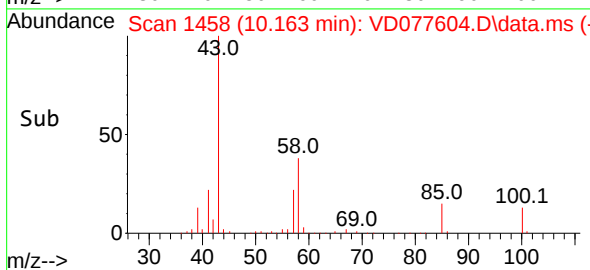
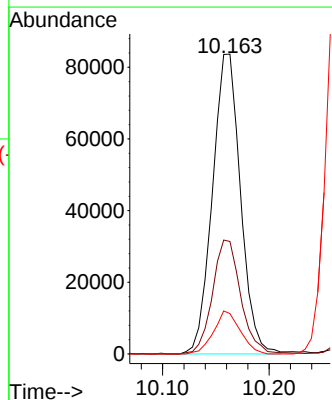
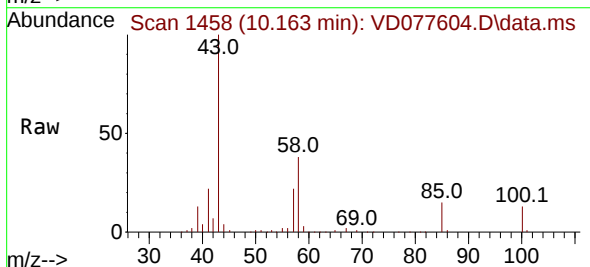
Instrument :
 MSVOA_D
 ClientSampleId :
 EY1E2MS

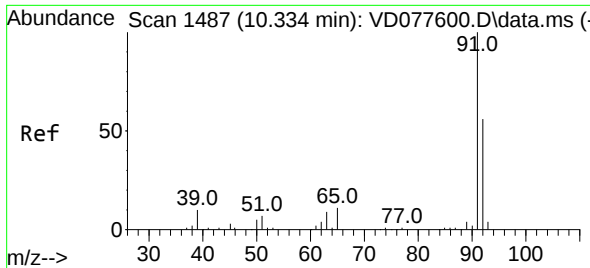
Tgt Ion: 75 Resp: 244147
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 34.959 ug/L
 RT: 10.163 min Scan# 1458
 Delta R.T. 0.006 min
 Lab File: VD077604.D
 Acq: 17 Nov 2023 11:01

Tgt Ion: 43 Resp: 153066
 Ion Ratio Lower Upper
 43 100
 58 38.3 29.8 44.8
 100 13.6 9.5 14.3

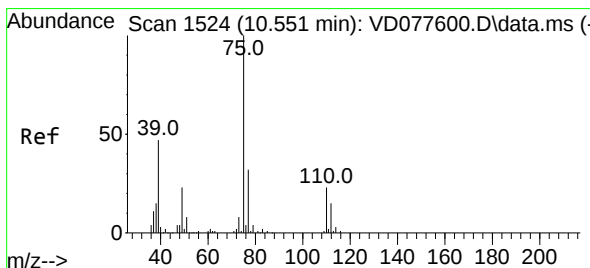
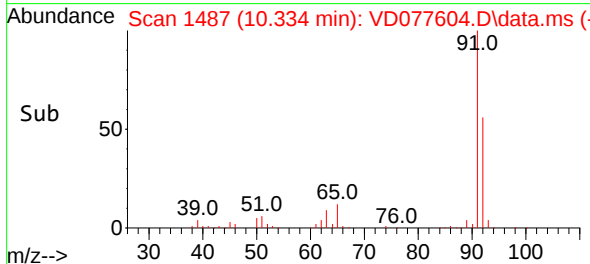
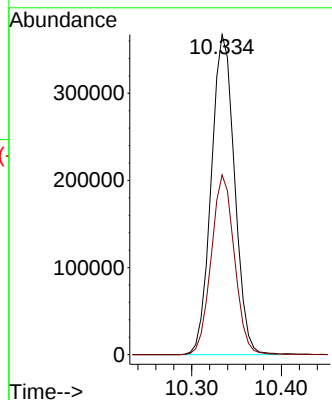
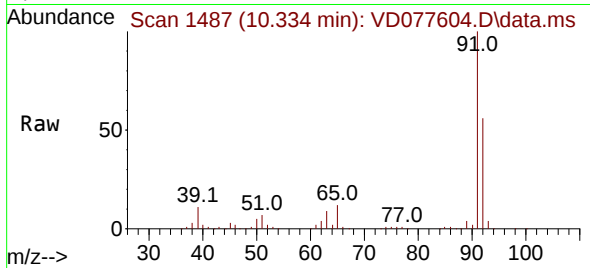




#42
Toluene
Concen: 24.422 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

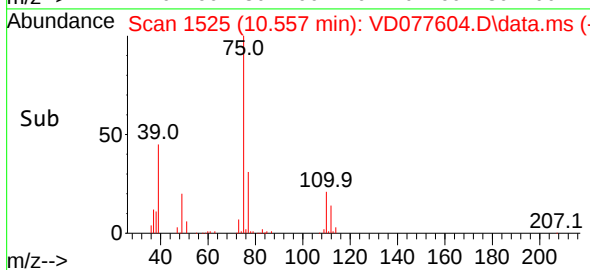
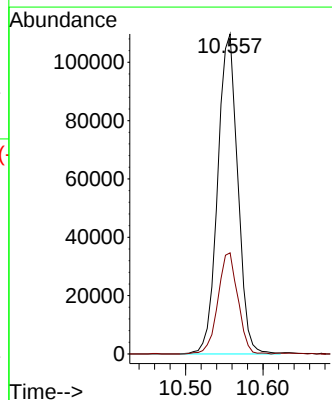
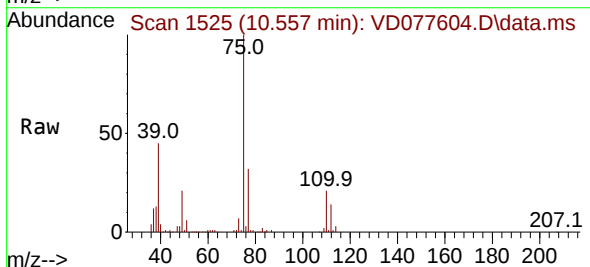
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MS

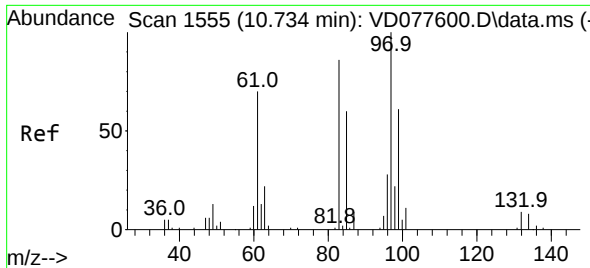
Tgt Ion: 91 Resp: 662688
Ion Ratio Lower Upper
91 100
92 56.2 39.3 73.1



#44
trans-1,3-Dichloropropene
Concen: 21.614 ug/L
RT: 10.557 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

Tgt Ion: 75 Resp: 197183
Ion Ratio Lower Upper
75 100
77 31.6 22.3 41.5

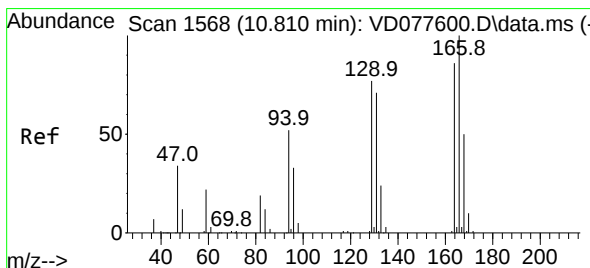
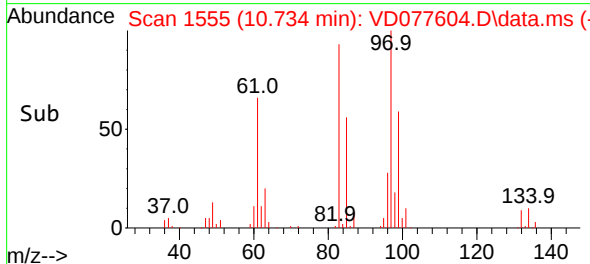
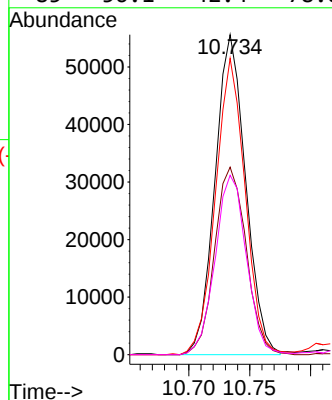
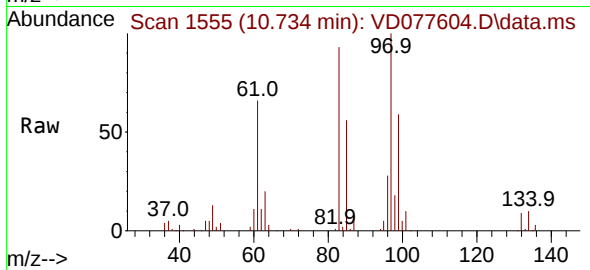




#45
1,1,2-Trichloroethane
Concen: 22.129 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

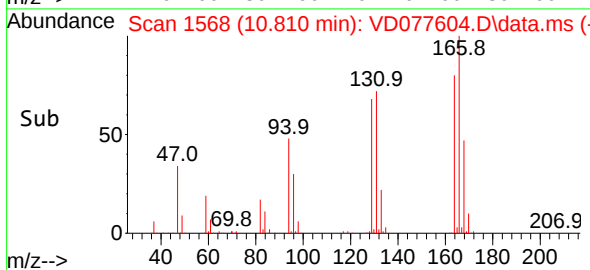
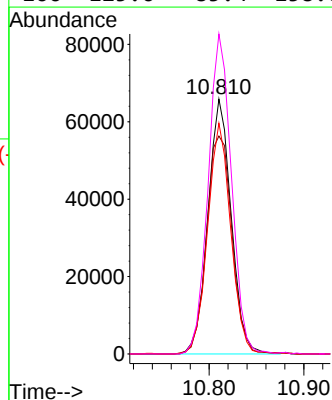
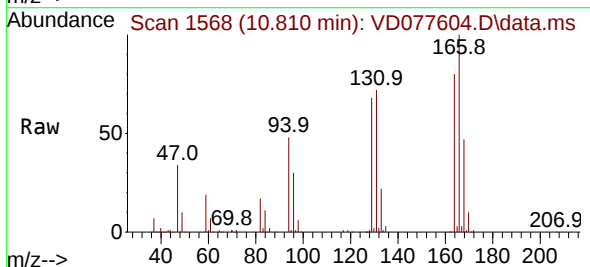
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MS

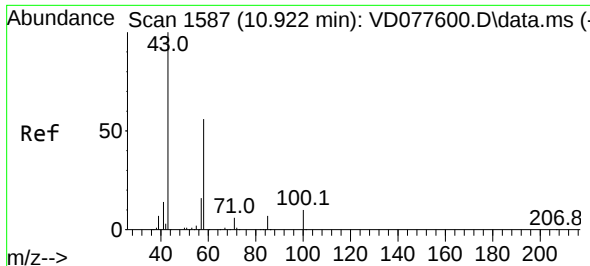
Tgt Ion: 97	Resp: 97187
Ion Ratio	Lower Upper
97 100	
99 58.6	43.5 80.7
83 92.6	63.1 117.3
85 56.1	42.4 78.8



#46
Tetrachloroethene
Concen: 23.956 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

Tgt	Ion:164	Resp:	112882
Ion	Ratio	Lower	Upper
164	100		
129	85.5	60.6	112.6
131	90.6	61.6	114.4
166	125.6	85.4	158.6

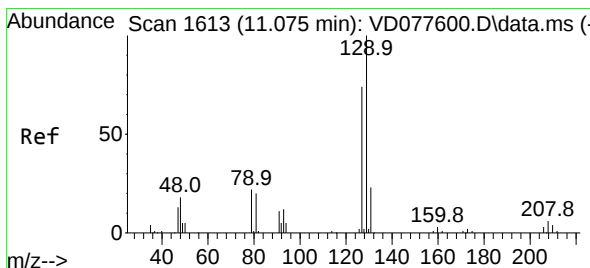
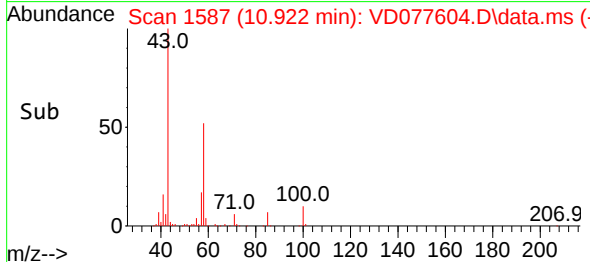
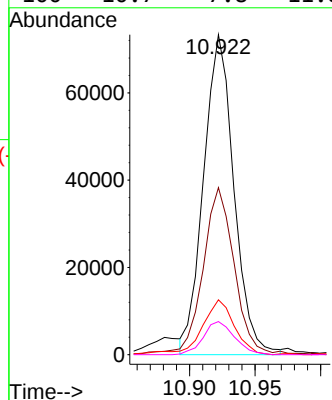
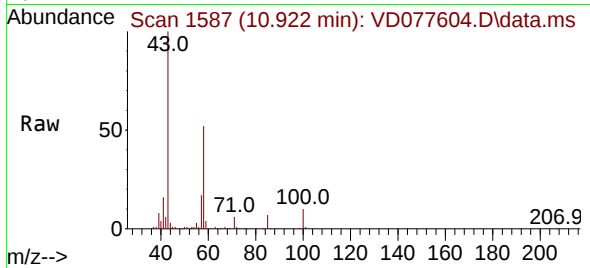




#48
2-Hexanone
Concen: 34.034 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

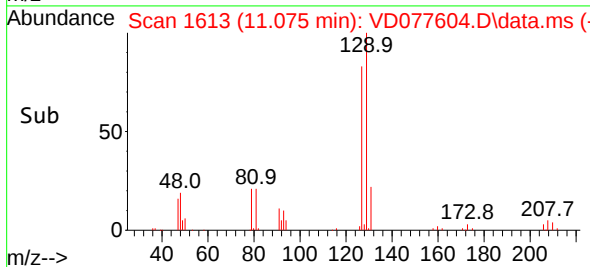
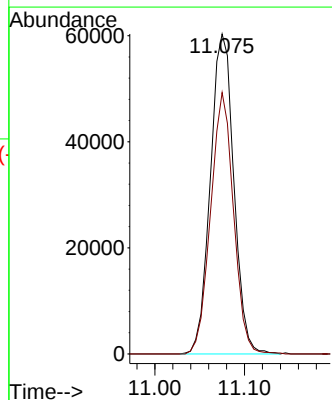
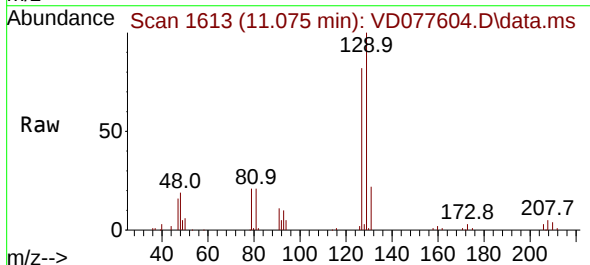
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MS

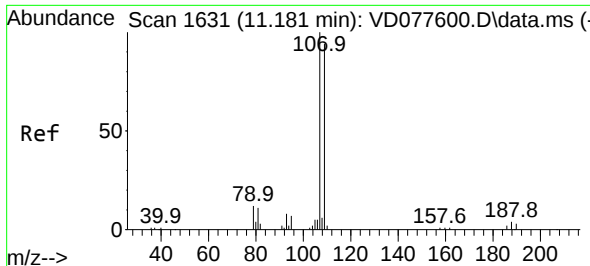
Tgt Ion: 43 Resp: 118118
Ion Ratio Lower Upper
43 100
58 53.2 40.8 61.2
57 17.5 13.7 20.5
100 10.7 7.8 11.8



#49
Dibromochloromethane
Concen: 21.944 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

Tgt Ion: 129 Resp: 109475
Ion Ratio Lower Upper
129 100
127 81.7 54.9 102.1

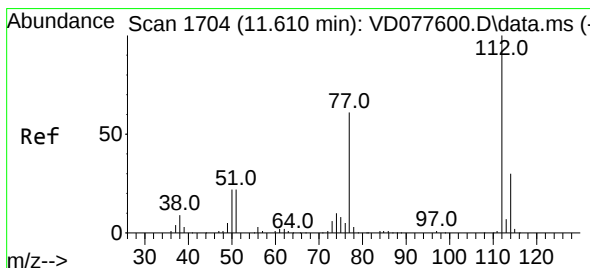
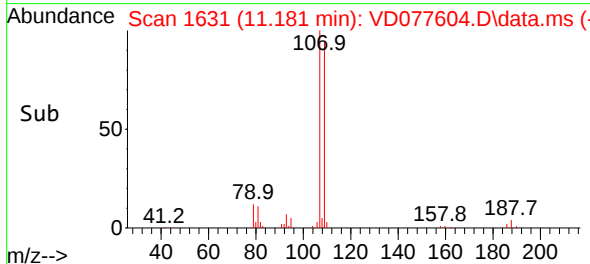
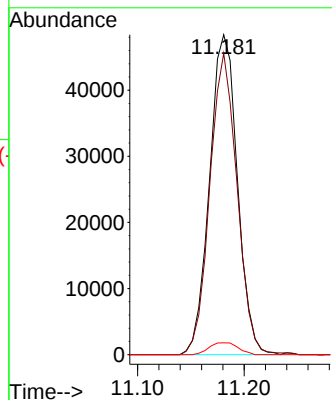
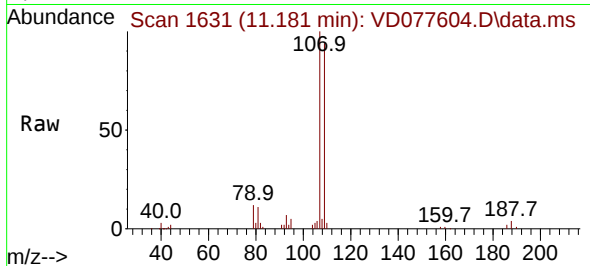




#50
1,2-Dibromoethane
Concen: 20.899 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

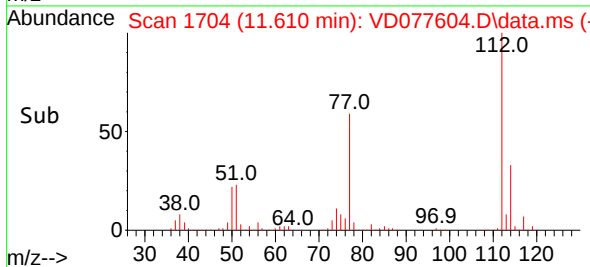
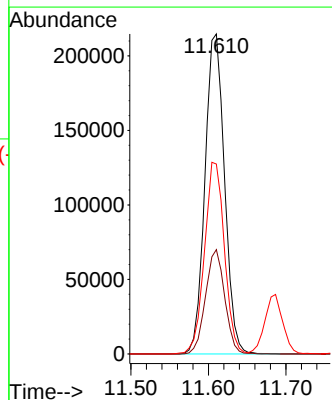
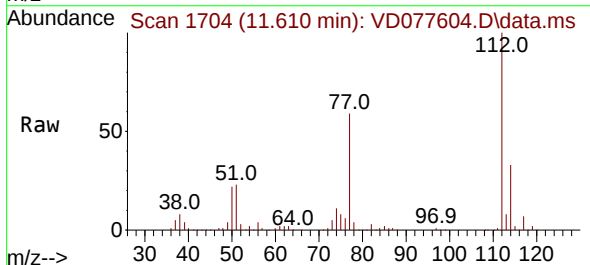
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MS

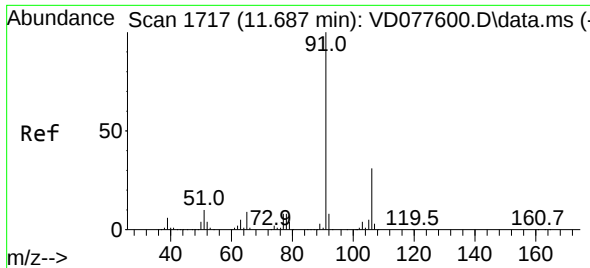
Tgt Ion:	107	Resp:	87776
Ion	Ratio	Lower	Upper
107	100		
109	94.2	64.8	120.3
188	3.7	3.2	4.8



#51
Chlorobenzene
Concen: 23.718 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

Tgt Ion:	112	Resp:	377047
Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.4	41.6
77	59.3	49.6	74.4

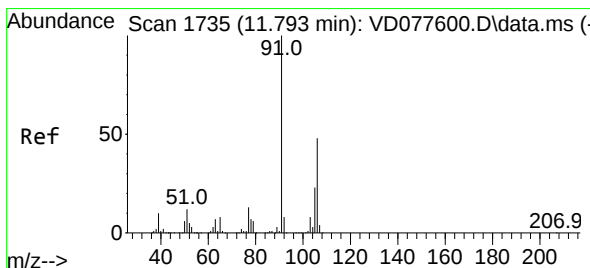
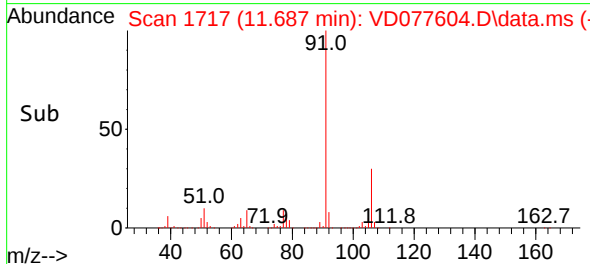
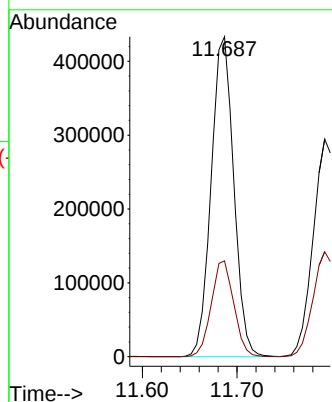
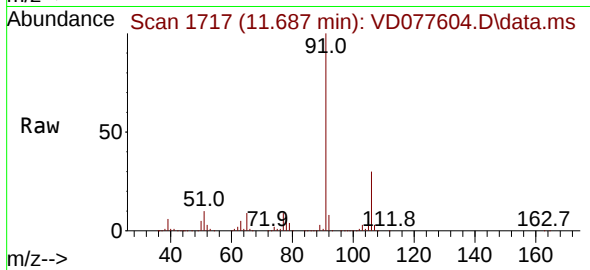




#52
Ethylbenzene
Concen: 24.102 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

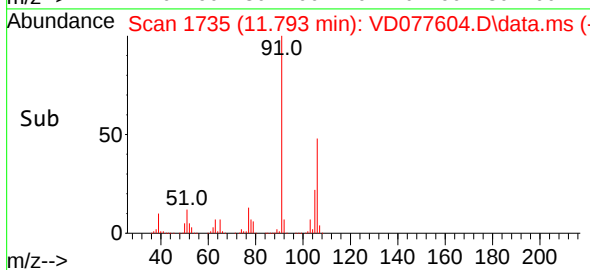
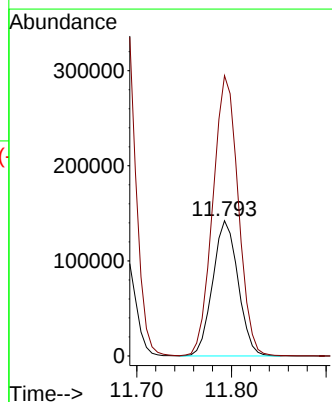
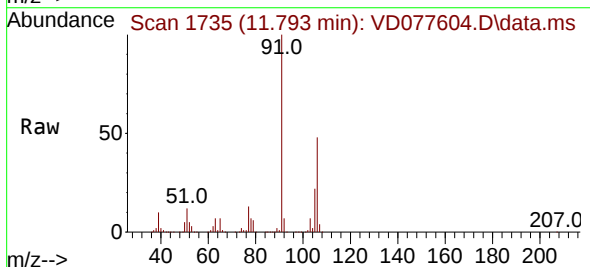
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MS

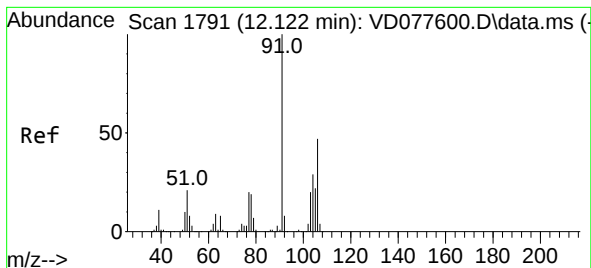
Tgt Ion: 91 Resp: 719626
Ion Ratio Lower Upper
91 100
106 30.0 22.0 40.8



#53
m,p-Xylene
Concen: 24.318 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

Tgt Ion: 106 Resp: 264211
Ion Ratio Lower Upper
106 100
91 207.2 146.7 272.4





#54

o-Xylene

Concen: 24.680 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD077604.D

Acq: 17 Nov 2023 11:01

Instrument :

MSVOA_D

ClientSampleId :

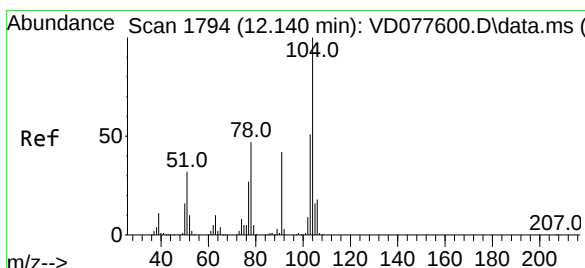
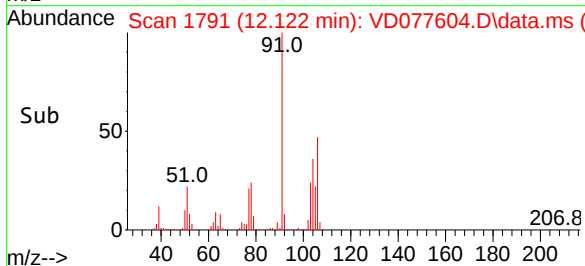
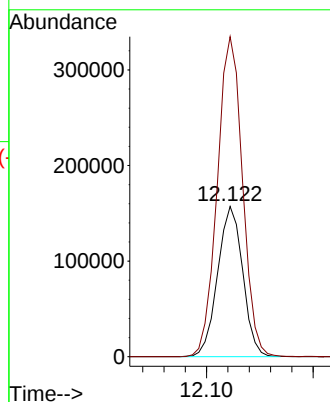
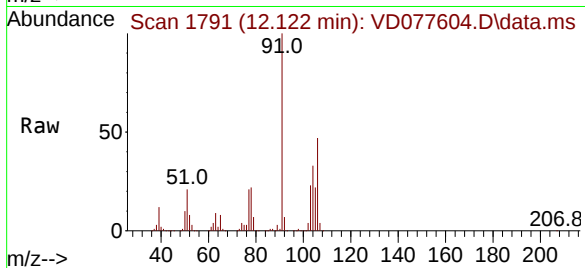
EY1E2MS

Tgt Ion:106 Resp: 256819

Ion Ratio Lower Upper

106 100

91 212.9 158.5 294.4



#55

Styrene

Concen: 23.874 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VD077604.D

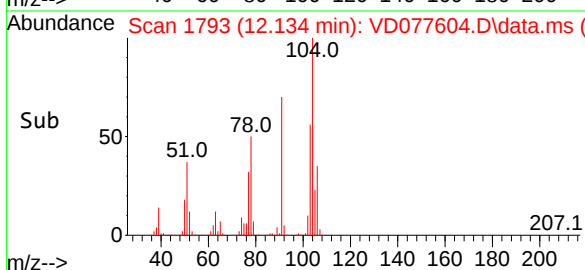
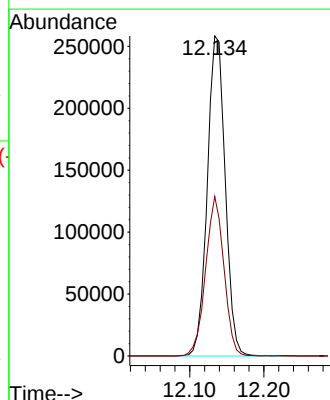
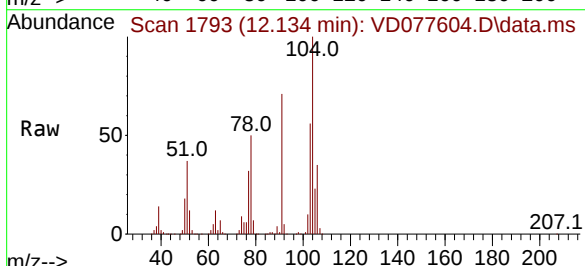
Acq: 17 Nov 2023 11:01

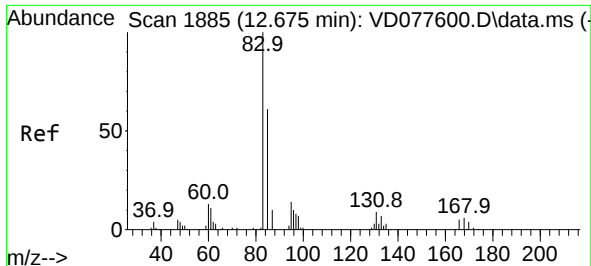
Tgt Ion:104 Resp: 433768

Ion Ratio Lower Upper

104 100

78 49.9 34.9 64.9





#57

1,1,2,2-Tetrachloroethane

Concen: 19.989 ug/L

RT: 12.675 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD077604.D

Acq: 17 Nov 2023 11:01

Instrument :

MSVOA_D

ClientSampleId :

EY1E2MS

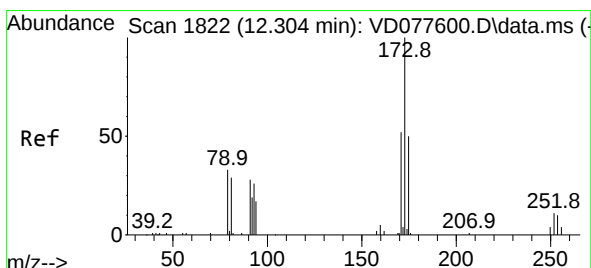
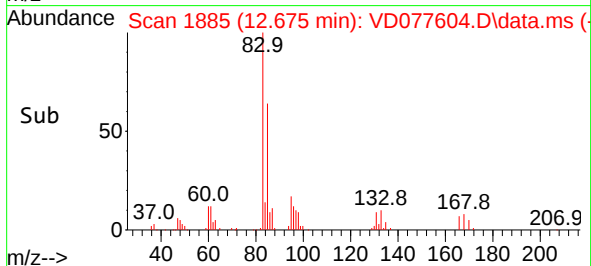
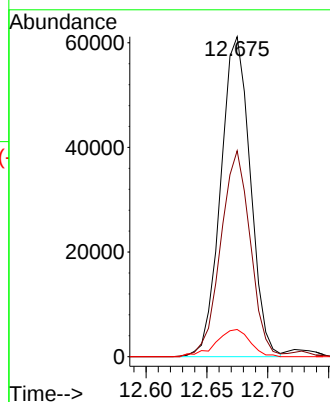
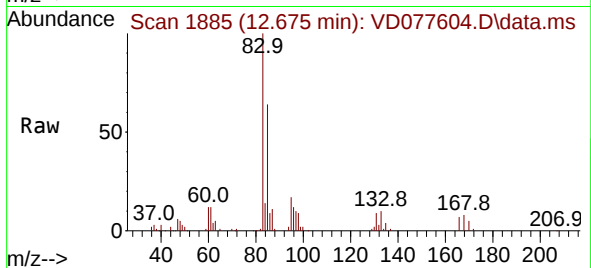
Tgt Ion: 83 Resp: 103419

Ion Ratio Lower Upper

83 100

85 64.3 44.9 83.3

131 8.5 7.2 10.8



#59

Bromoform

Concen: 21.171 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. -0.006 min

Lab File: VD077604.D

Acq: 17 Nov 2023 11:01

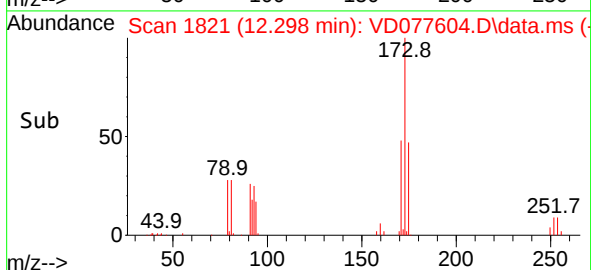
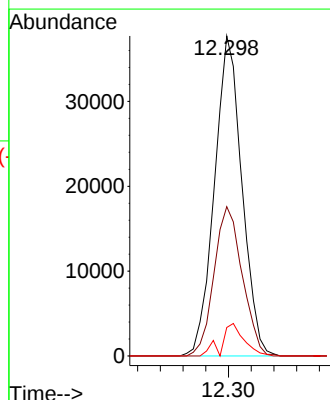
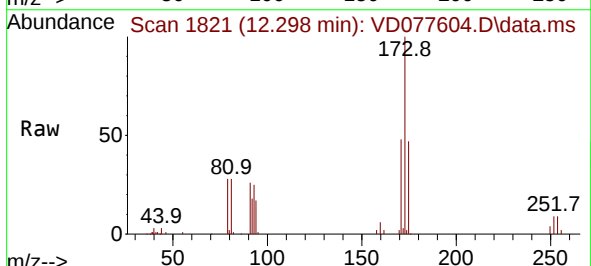
Tgt Ion: 173 Resp: 63322

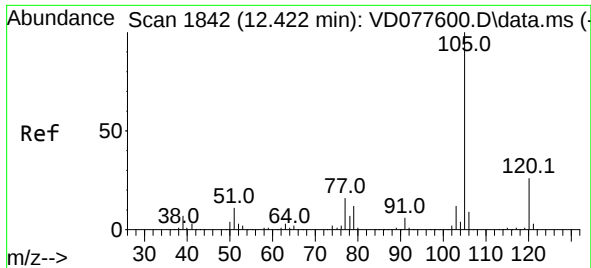
Ion Ratio Lower Upper

173 100

175 47.9 38.2 57.2

254 7.0 7.1 10.7#

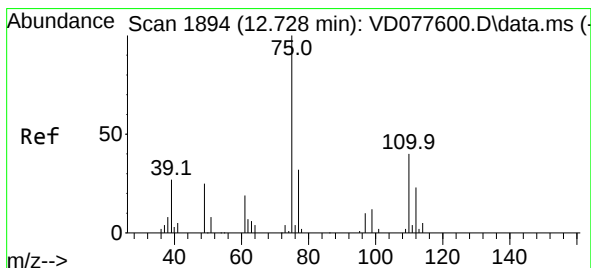
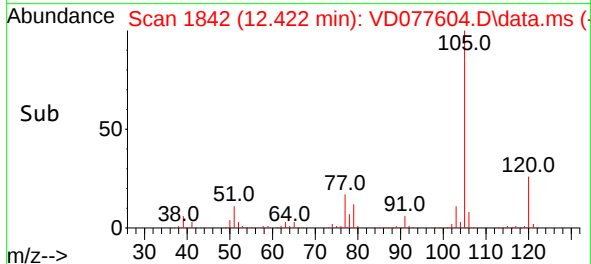
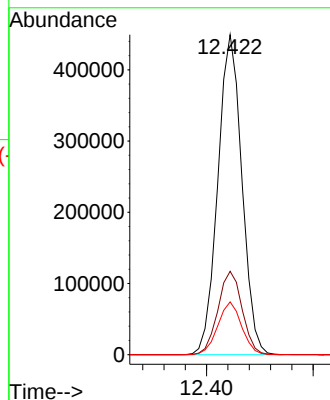
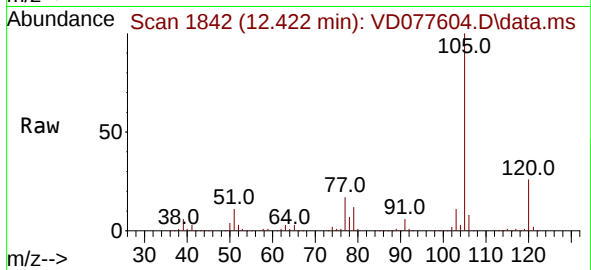




#60
Isopropylbenzene
Concen: 24.811 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

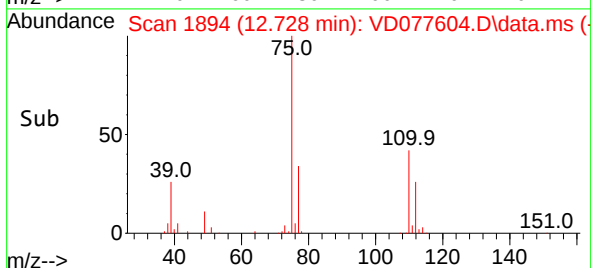
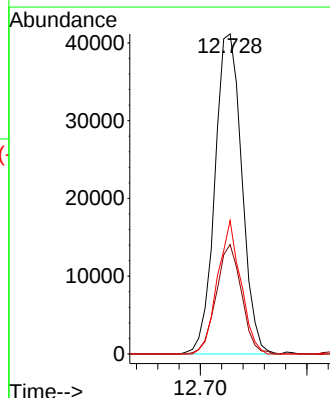
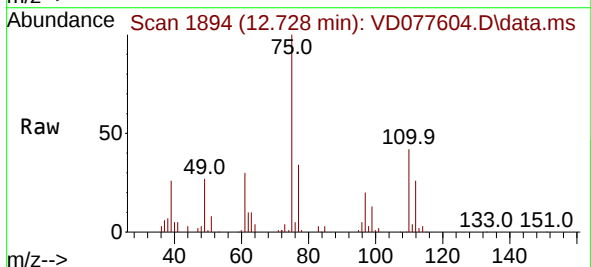
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MS

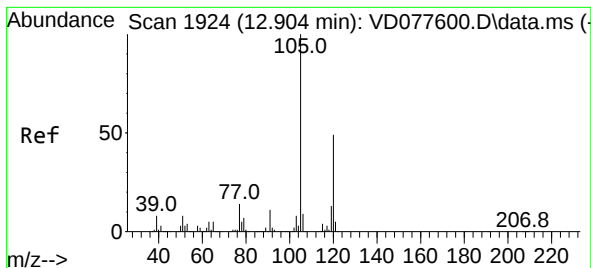
Tgt Ion:105 Resp: 704034
Ion Ratio Lower Upper
105 100
120 26.2 21.0 31.4
77 16.3 13.4 20.2



#61
1,2,3-Trichloropropane
Concen: 19.322 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

Tgt Ion: 75 Resp: 72204
Ion Ratio Lower Upper
75 100
77 32.1 25.6 38.4
110 36.0 29.6 44.4

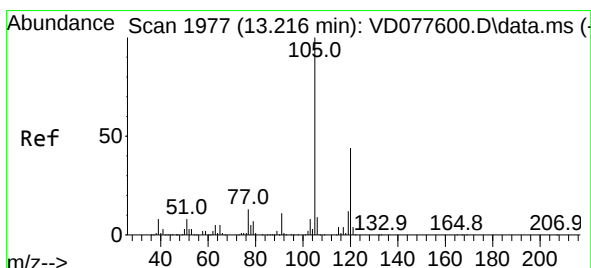
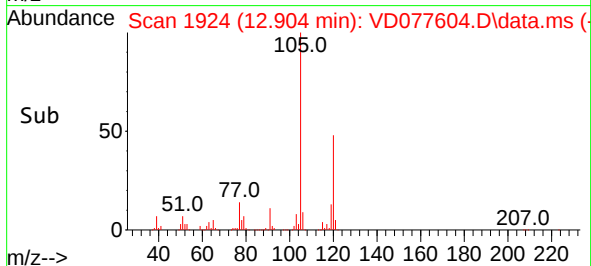
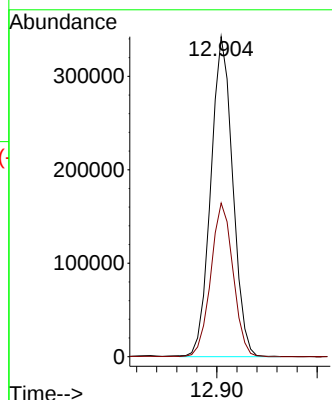
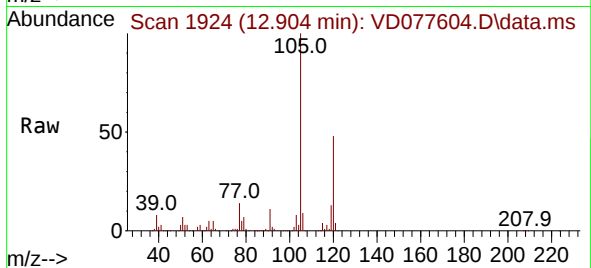




#62
1,3,5-Trimethylbenzene
Concen: 24.132 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

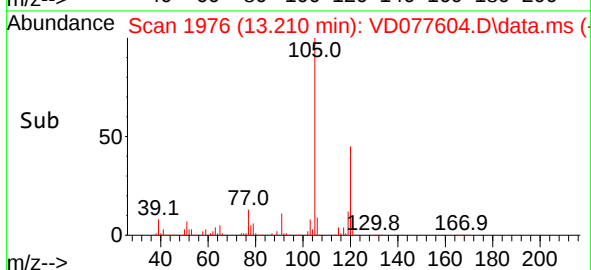
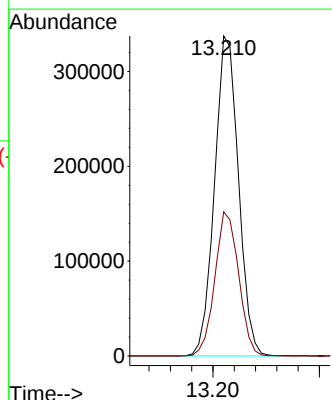
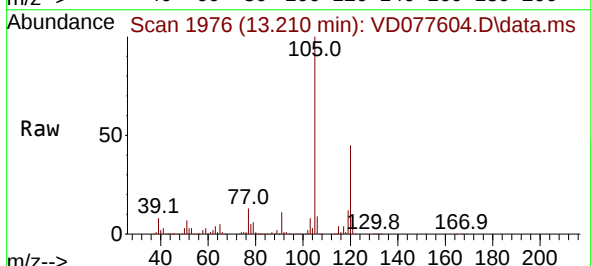
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MS

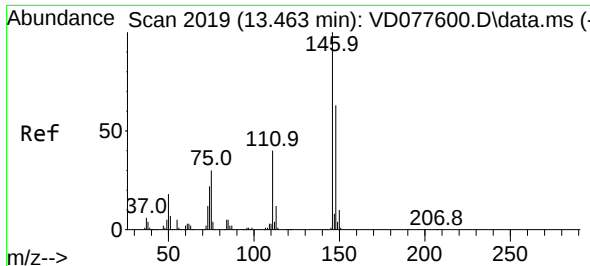
Tgt Ion:105 Resp: 519716
Ion Ratio Lower Upper
105 100
120 48.6 37.8 56.6



#63
1,2,4-Trimethylbenzene
Concen: 24.091 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. -0.006 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

Tgt Ion:105 Resp: 525563
Ion Ratio Lower Upper
105 100
120 44.8 35.6 53.4

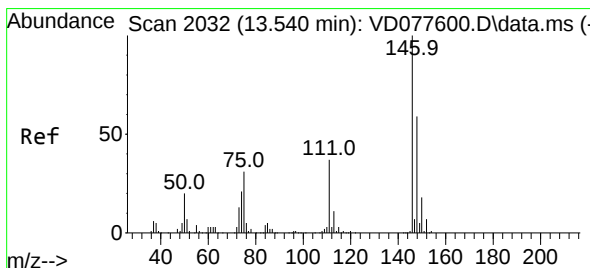
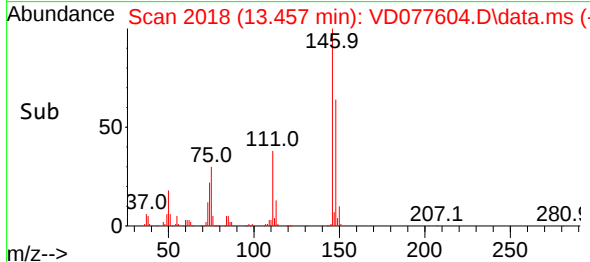
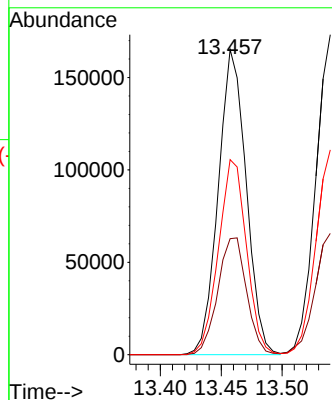
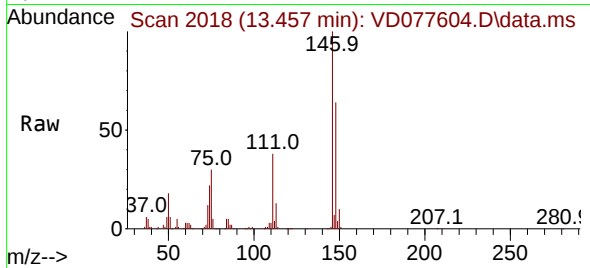




#64
1,3-Dichlorobenzene
Concen: 22.629 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. -0.006 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

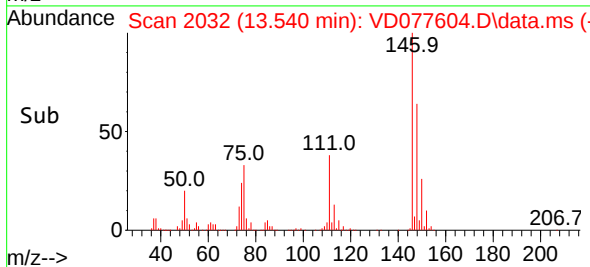
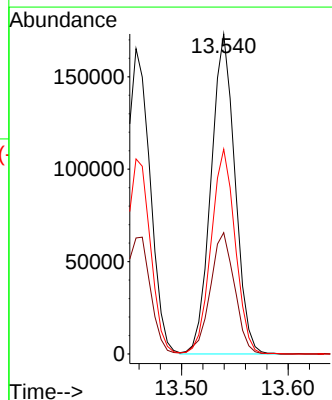
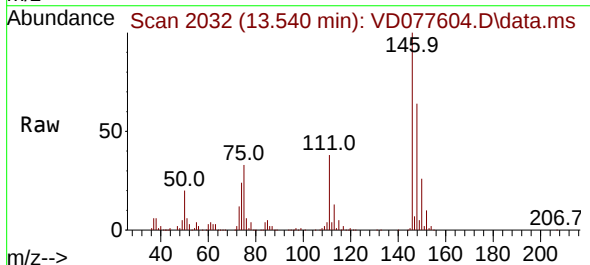
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MS

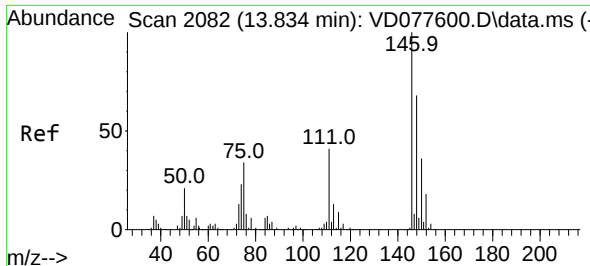
Tgt Ion:146 Resp: 263437
Ion Ratio Lower Upper
146 100
111 38.0 27.2 50.6
148 63.9 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 23.057 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

Tgt Ion:146 Resp: 270889
Ion Ratio Lower Upper
146 100
111 37.9 25.6 47.4
148 64.0 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 22.421 ug/L

RT: 13.828 min Scan# 2082

Delta R.T. -0.006 min

Lab File: VD077604.D

Acq: 17 Nov 2023 11:01

Instrument :

MSVOA_D

ClientSampleId :

EY1E2MS

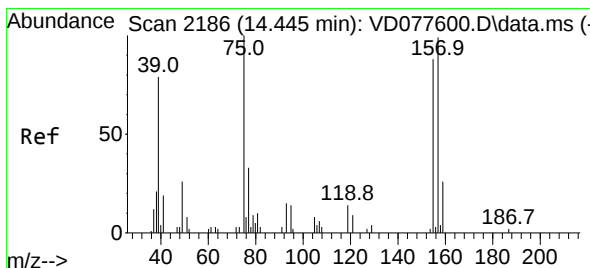
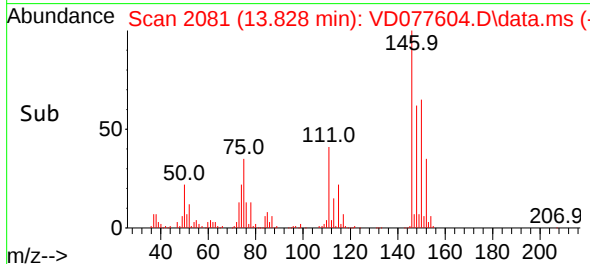
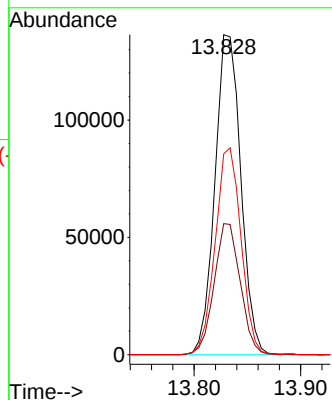
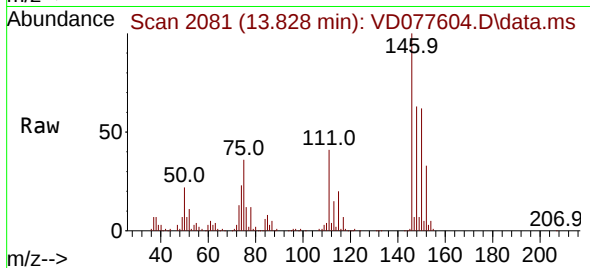
Tgt Ion:146 Resp: 230759

Ion Ratio Lower Upper

146 100

111 40.9 33.8 50.6

148 62.7 54.3 81.5



#68

1,2-Dibromo-3-chloropropane

Concen: 18.438 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.006 min

Lab File: VD077604.D

Acq: 17 Nov 2023 11:01

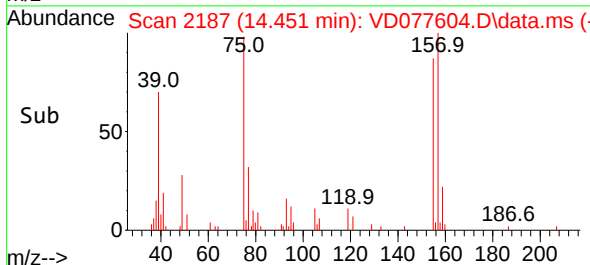
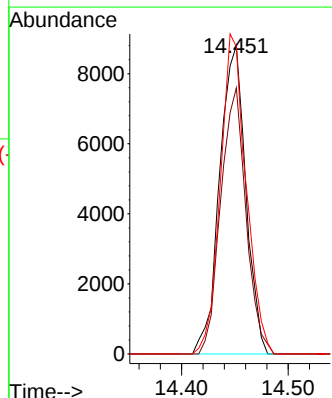
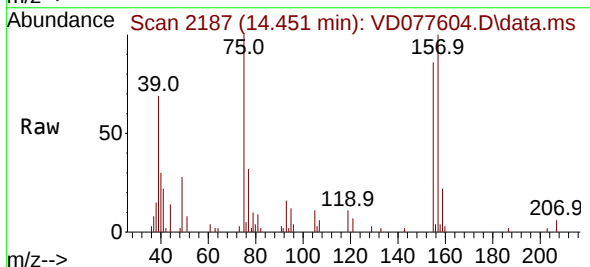
Tgt Ion: 75 Resp: 14987

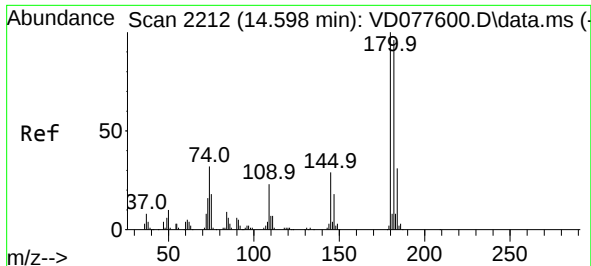
Ion Ratio Lower Upper

75 100

155 86.3 58.2 87.2

157 99.6 68.7 103.1





#69

1,3,5-Trichlorobenzene

Concen: 21.275 ug/L

RT: 14.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD077604.D

Acq: 17 Nov 2023 11:01

Instrument :

MSVOA_D

ClientSampleId :

EY1E2MS

Tgt Ion:180 Resp: 168641

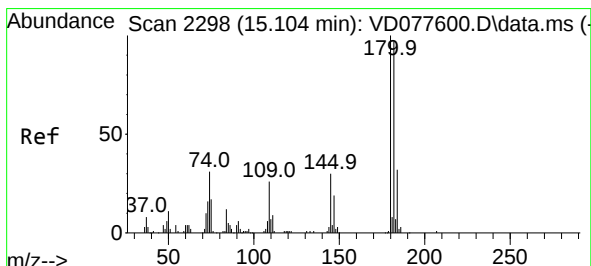
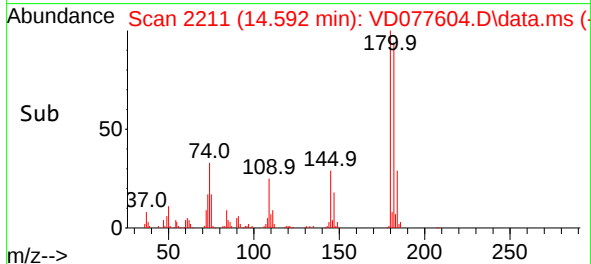
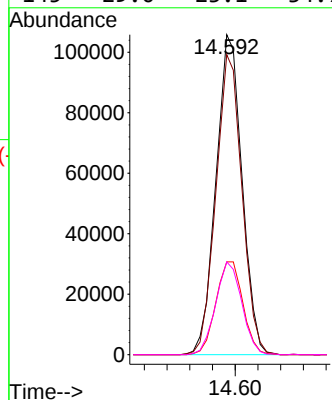
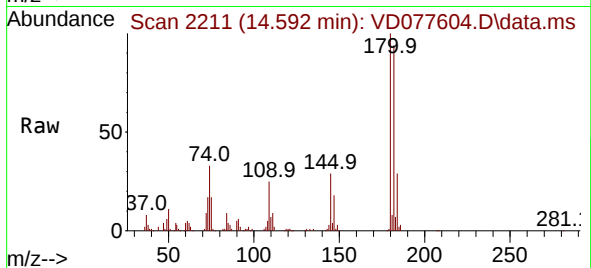
Ion Ratio Lower Upper

180 100

182 93.5 76.1 114.1

184 30.1 24.0 36.0

145 29.0 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 19.598 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. -0.006 min

Lab File: VD077604.D

Acq: 17 Nov 2023 11:01

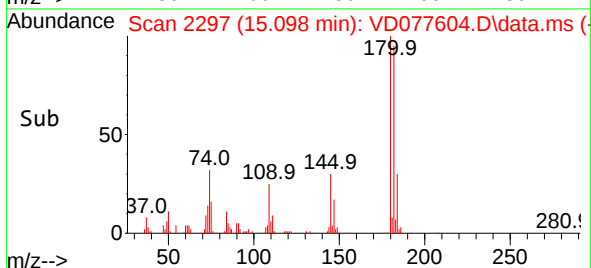
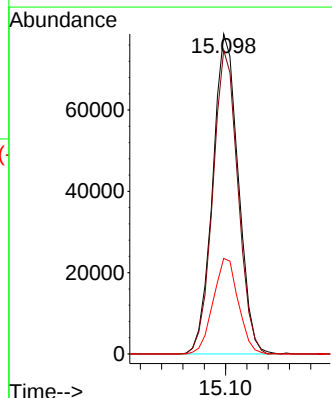
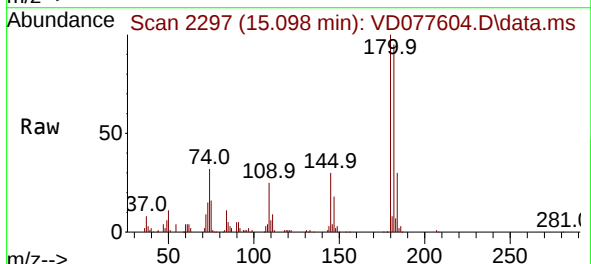
Tgt Ion:180 Resp: 130925

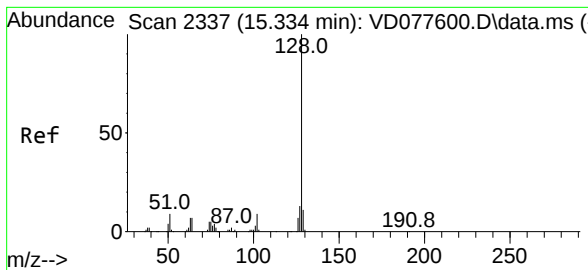
Ion Ratio Lower Upper

180 100

182 93.2 75.8 113.6

145 29.4 24.1 36.1

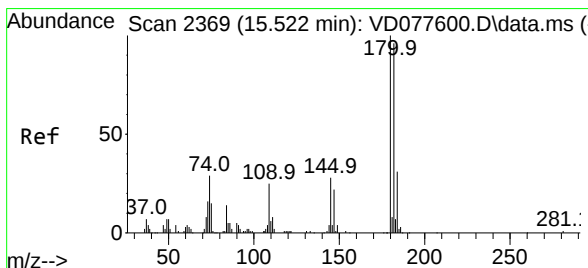
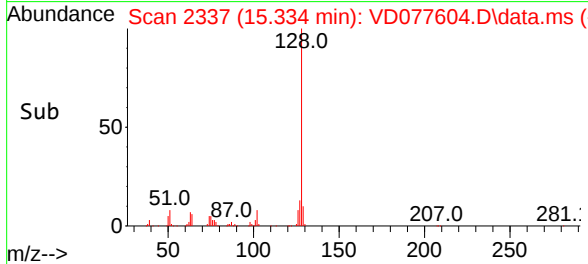
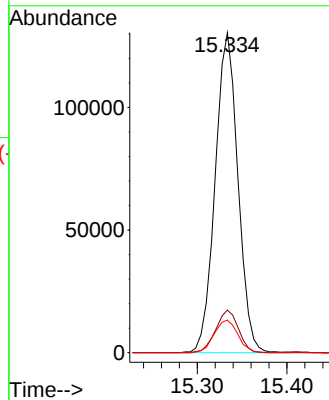
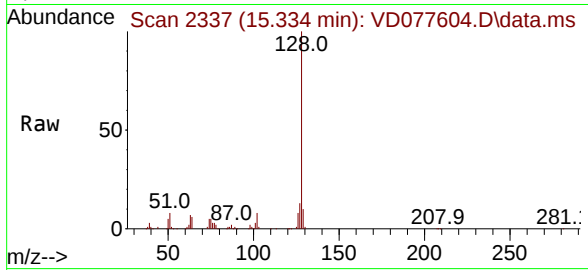




#71
Naphthalene
Concen: 18.248 ug/L
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

Instrument :
MSVOA_D
ClientSampleId :
EY1E2MS

Tgt Ion:128 Resp: 229751
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.6 9.0 13.6



#72
1,2,3-Trichlorobenzene
Concen: 18.718 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD077604.D
Acq: 17 Nov 2023 11:01

Tgt Ion:180 Resp: 106624
Ion Ratio Lower Upper
180 100
182 94.0 76.8 115.2
145 31.7 26.0 39.0

