

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042023\
 Data File : VD075764.D
 Acq On : 20 Apr 2023 14:25
 Operator : KP/SY
 Sample : VSTD00528
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005128

Quant Time: Apr 21 05:43:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDL042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Apr 21 05:40:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	376970	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	336830	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	157534	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	33876	4.096	ug/L	0.00
7) Chloroethane-d5	2.805	69	32097	4.492	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.916	65	8298	4.352	ug/L	0.00
21) 2-Butanone-d5	6.987	46	6618	9.218	ug/L	0.00
24) Chloroform-d	7.569	84	44275	4.697	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	19618	4.873	ug/L	0.00
32) Benzene-d6	8.198	84	91856	4.679	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.204	67	26184	4.819	ug/L	0.00
41) Toluene-d8	10.269	98	82986	4.515	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	10490	4.670	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	6088	9.305	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	21334	5.131	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	26040	4.673	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	22774	4.382	ug/L	96
3) Chloromethane	2.146	50	37176	5.132	ug/L	98
5) Vinyl chloride	2.281	62	46198	4.879	ug/L	98
6) Bromomethane	2.693	94	30152	4.739	ug/L	94
8) Chloroethane	2.840	64	30741	5.020	ug/L	98
9) Trichlorofluoromethane	3.169	101	37400	4.916	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	14425	2.822	ug/L #	35
12) 1,1-Dichloroethene	3.940	96	23727	4.787	ug/L	88
13) Acetone	4.010	43	2714	4.418	ug/L	43
14) Carbon disulfide	4.269	76	84452	4.878	ug/L	100
15) Methyl Acetate	4.563	43	6990	5.250	ug/L #	71
16) Methylene chloride	4.799	84	42462	5.553	ug/L	92
17) trans-1,2-Dichloroethene	5.310	96	27439	4.937	ug/L	96
18) Methyl tert-butyl Ether	5.310	73	22859	2.564	ug/L	93
19) 1,1-Dichloroethane	6.110	63	41417	5.087	ug/L	96
20) cis-1,2-Dichloroethene	7.075	96	28431	4.838	ug/L	96
22) 2-Butanone	7.081	43	7826	9.771	ug/L	97
23) Bromochloromethane	7.422	128	13453	4.936	ug/L	83
25) Chloroform	7.593	83	47181	5.171	ug/L	94
27) 1,2-Dichloroethane	8.322	62	24024	5.100	ug/L	95
29) Cyclohexane	7.875	56	25714	4.459	ug/L	98
30) 1,1,1-Trichloroethane	7.793	97	36969	5.188	ug/L	99
31) Carbon tetrachloride	7.987	117	29039	5.079	ug/L	95
33) Benzene	8.251	78	103001	5.055	ug/L	100
34) Trichloroethene	9.028	95	26434	5.017	ug/L	95
35) Methylcyclohexane	9.275	83	37048	4.561	ug/L	99
37) 1,2-Dichloropropane	9.304	63	23600	5.043	ug/L	97
38) Bromodichloromethane	9.581	83	32218	5.105	ug/L	90
39) cis-1,3-Dichloropropene	10.016	75	35205	4.730	ug/L	100
40) 4-Methyl-2-pentanone	10.163	43	17112	10.028	ug/L	98
42) Toluene	10.334	91	107997	4.898	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	29434	4.923	ug/L	99

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

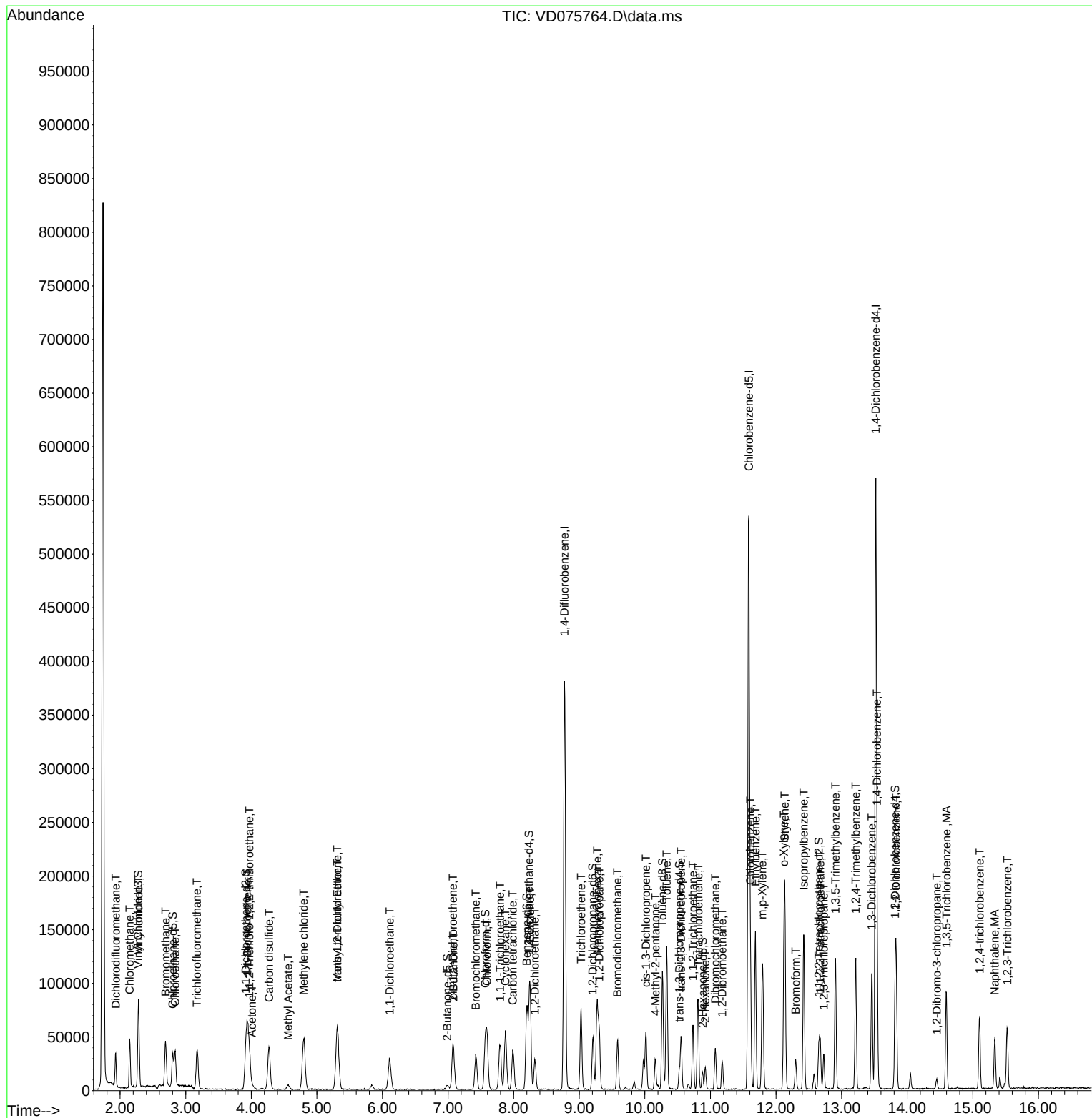
45) 1,1,2-Trichloroethane	10.734	97	20364	5.114	ug/L	95
46) Tetrachloroethene	10.816	164	21023	4.865	ug/L	89
48) 2-Hexanone	10.922	43	12192	10.135	ug/L	91
49) Dibromochloromethane	11.075	129	21886	5.049	ug/L	98
50) 1,2-Dibromoethane	11.181	107	18503	5.154	ug/L	95
51) Chlorobenzene	11.610	112	74258	5.148	ug/L	97
52) Ethylbenzene	11.687	91	107763	4.766	ug/L	97
53) m,p-Xylene	11.792	106	44355	4.927	ug/L	93
54) o-Xylene	12.122	106	38953	4.555	ug/L	91
55) Styrene	12.134	104	68169	4.580	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.675	83	20832	5.142	ug/L	99
59) Bromoform	12.298	173	12122	5.021	ug/L #	97
60) Isopropylbenzene	12.422	105	99115	4.745	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	13406	5.417	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	68648	4.407	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	67284	4.481	ug/L	98
64) 1,3-Dichlorobenzene	13.457	146	48824	4.885	ug/L	97
65) 1,4-Dichlorobenzene	13.539	146	53895	5.138	ug/L	97
67) 1,2-Dichlorobenzene	13.833	146	43195	4.840	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	2616	5.288	ug/L #	85
69) 1,3,5-Trichlorobenzene	14.598	180	29944	4.470	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	23241	4.186	ug/L	98
71) Naphthalene	15.333	128	43243	4.257	ug/L	98
72) 1,2,3-Trichlorobenzene	15.528	180	21388	4.316	ug/L	96

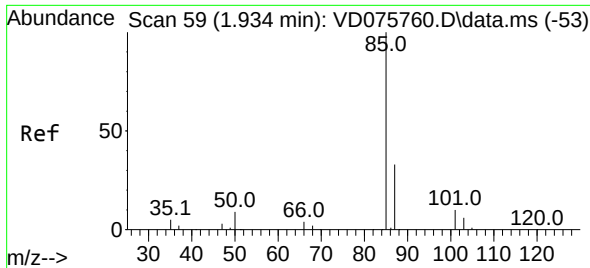
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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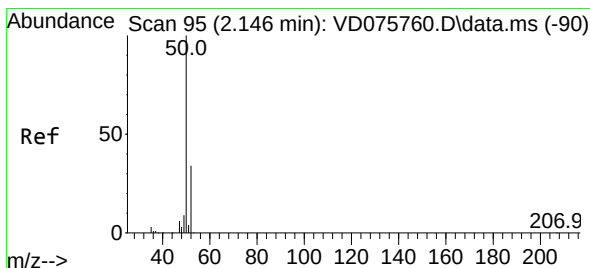
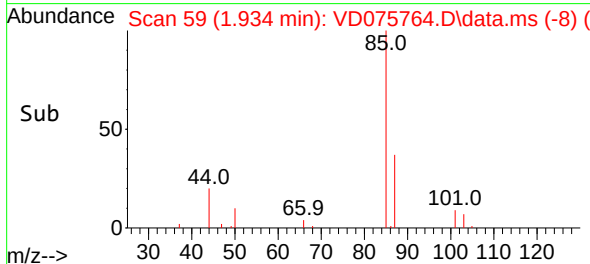
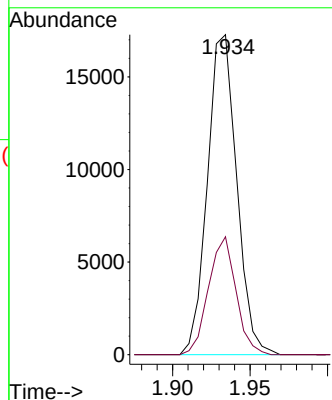
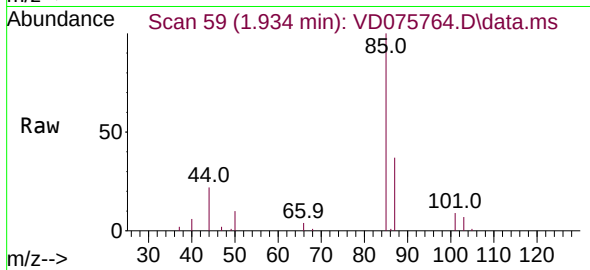




#2
 Dichlorodifluoromethane
 Concen: 4.382 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: VD075764.D
 Acq: 20 Apr 2023 14:25

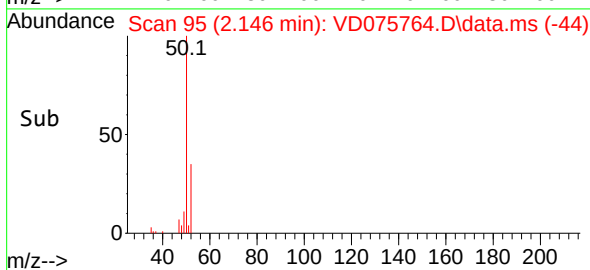
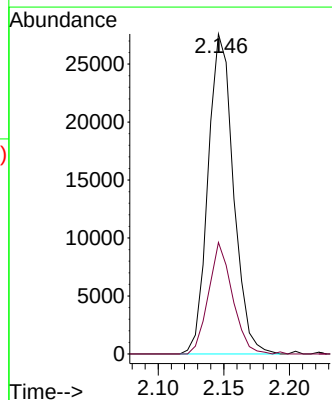
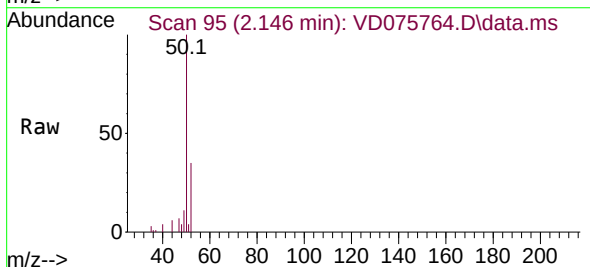
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005128

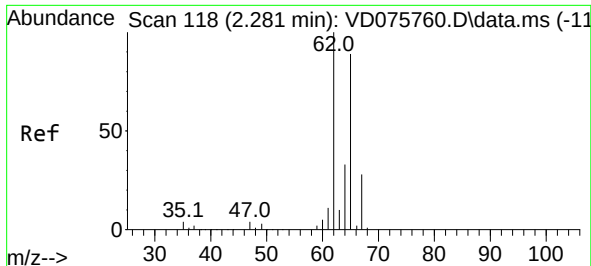
Tgt Ion: 85 Resp: 22774
 Ion Ratio Lower Upper
 85 100
 87 34.4 25.8 38.8



#3
 Chloromethane
 Concen: 5.132 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. -0.000 min
 Lab File: VD075764.D
 Acq: 20 Apr 2023 14:25

Tgt Ion: 50 Resp: 37176
 Ion Ratio Lower Upper
 50 100
 52 34.8 23.7 44.1

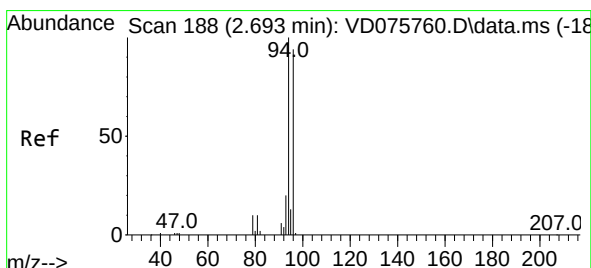
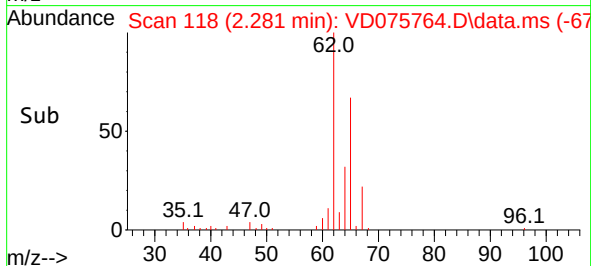
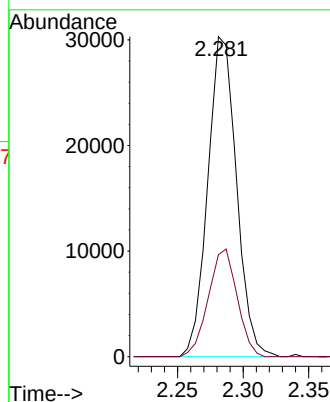
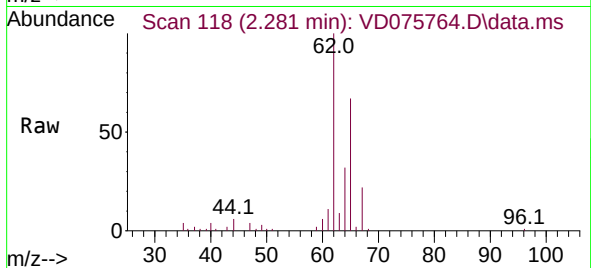




#5
 Vinyl chloride
 Concen: 4.879 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. -0.000 min
 Lab File: VD075764.D
 Acq: 20 Apr 2023 14:25

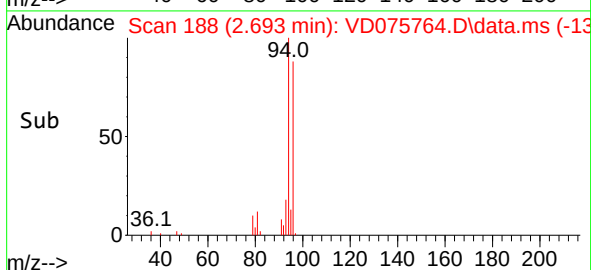
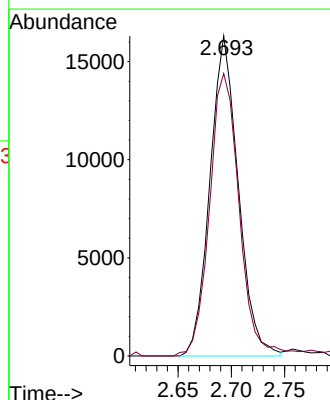
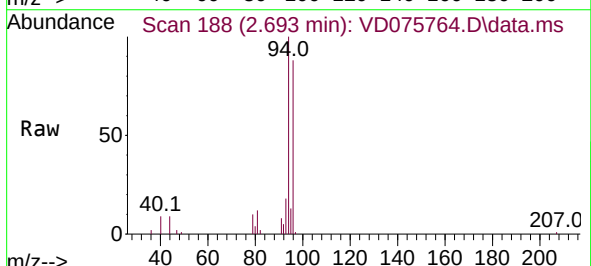
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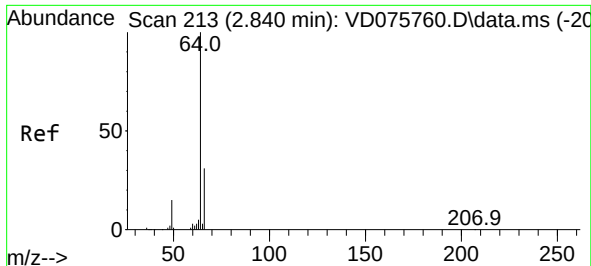
Tgt Ion: 62 Resp: 46198
 Ion Ratio Lower Upper
 62 100
 64 31.9 23.2 43.0



#6
 Bromomethane
 Concen: 4.739 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. -0.000 min
 Lab File: VD075764.D
 Acq: 20 Apr 2023 14:25

Tgt Ion: 94 Resp: 30152
 Ion Ratio Lower Upper
 94 100
 96 88.3 65.7 121.9

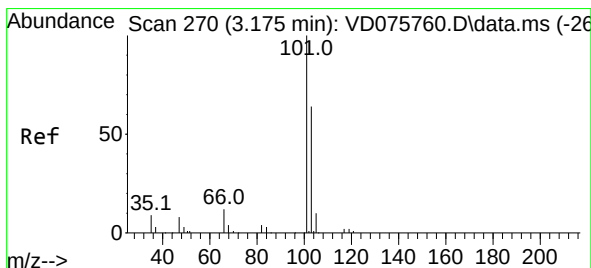
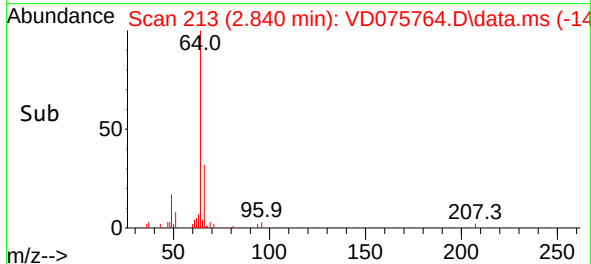
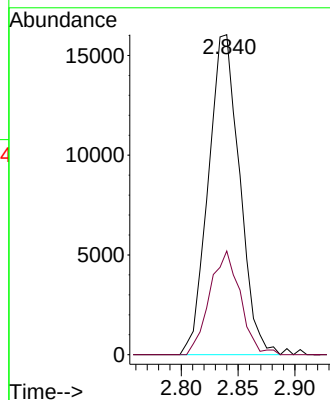
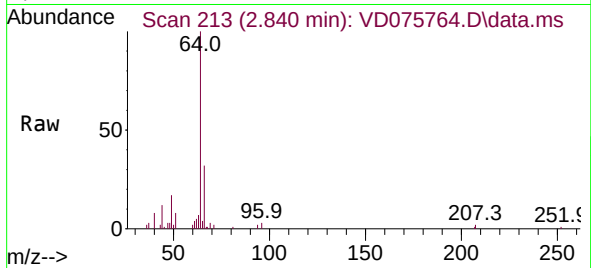




#8
Chloroethane
Concen: 5.020 ug/L
RT: 2.840 min Scan# 213
Delta R.T. -0.000 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

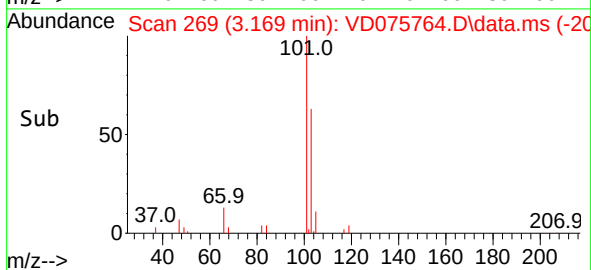
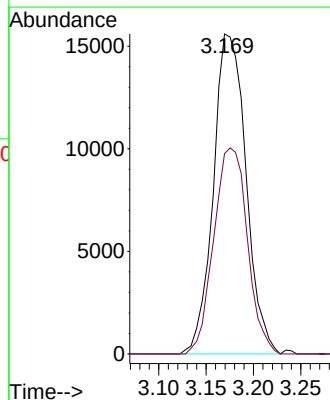
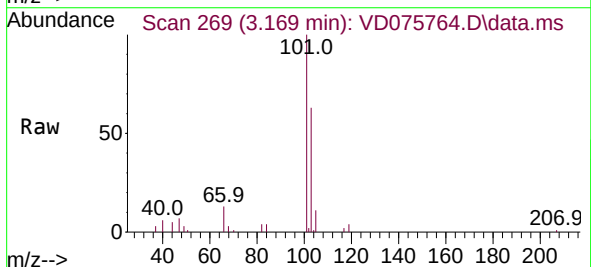
Instrument :
MSVOA_D
ClientSampleId :
VSTD005128

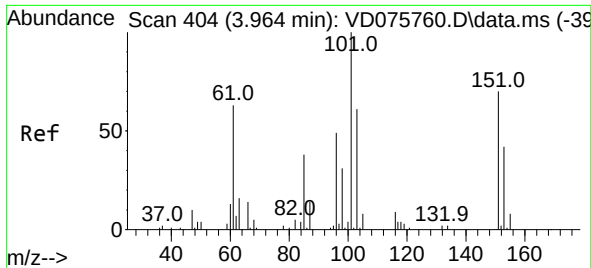
Tgt Ion: 64 Resp: 30741
Ion Ratio Lower Upper
64 100
66 32.4 21.8 40.4



#9
Trichlorofluoromethane
Concen: 4.916 ug/L
RT: 3.169 min Scan# 269
Delta R.T. -0.006 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

Tgt Ion: 101 Resp: 37400
Ion Ratio Lower Upper
101 100
103 66.3 52.2 78.4

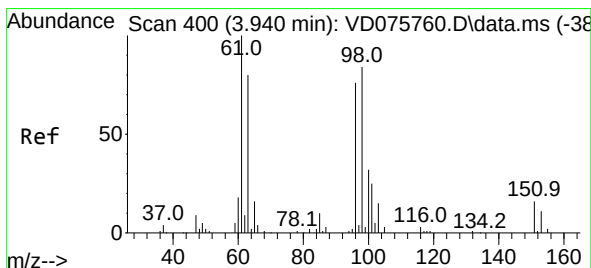
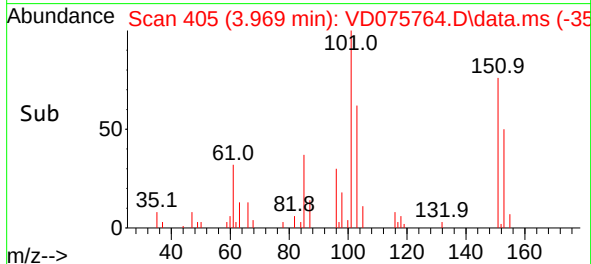
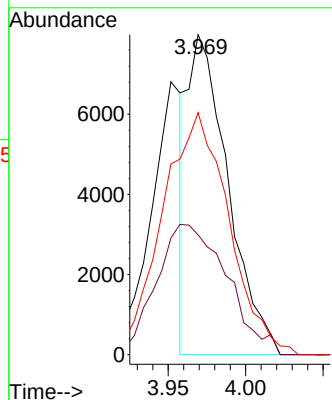
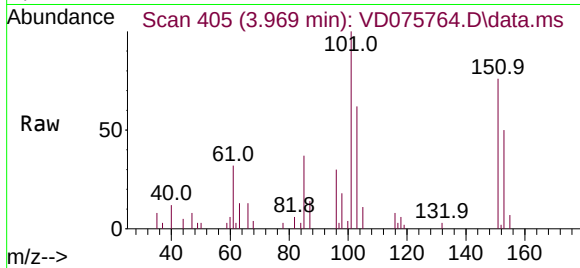




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.822 ug/L
 RT: 3.969 min Scan# 405
 Delta R.T. 0.006 min
 Lab File: VD075764.D
 Acq: 20 Apr 2023 14:25

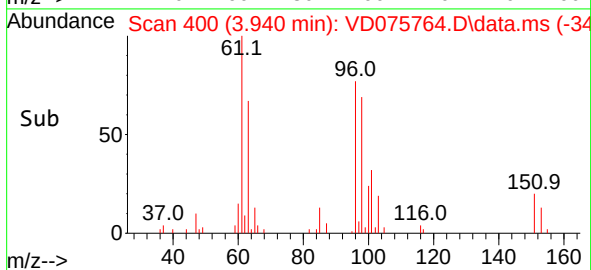
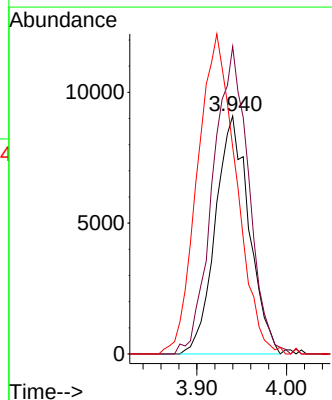
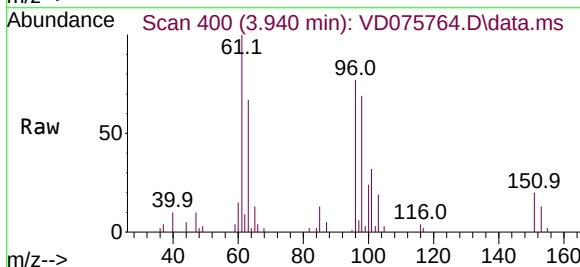
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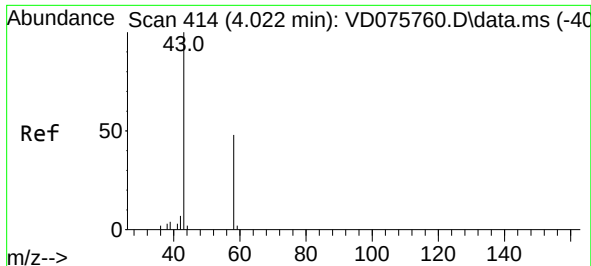
Tgt Ion:101 Resp: 14425
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.9 49.3#
 151 125.6 57.2 85.8#



#12
 1,1-Dichloroethene
 Concen: 4.787 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VD075764.D
 Acq: 20 Apr 2023 14:25

Tgt Ion: 96 Resp: 23727
 Ion Ratio Lower Upper
 96 100
 61 129.3 92.6 172.0
 63 87.0 77.4 143.8

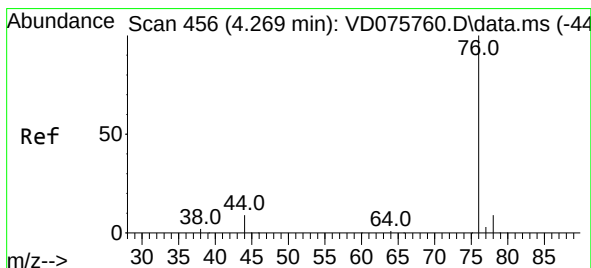
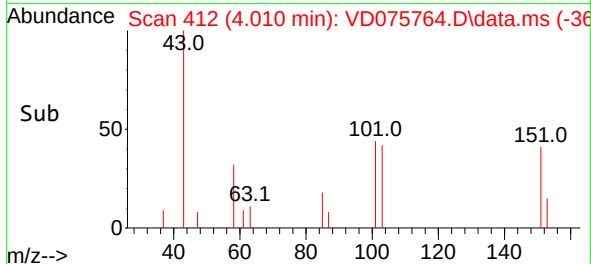
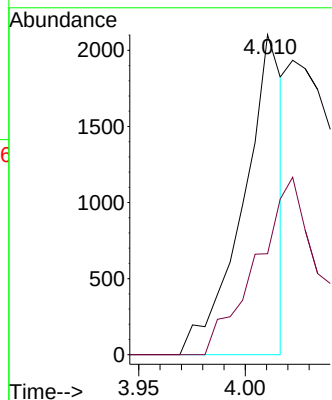
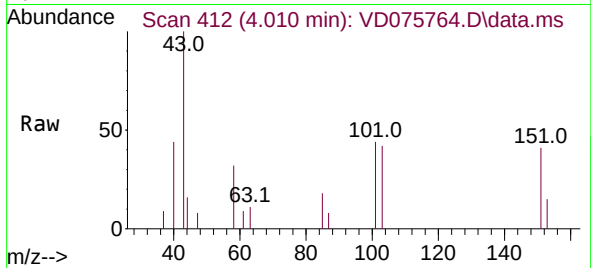




#13
Acetone
Concen: 4.418 ug/L
RT: 4.010 min Scan# 414
Delta R.T. -0.012 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

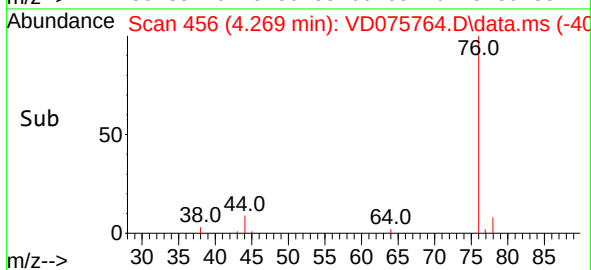
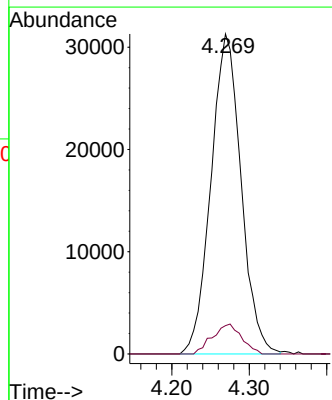
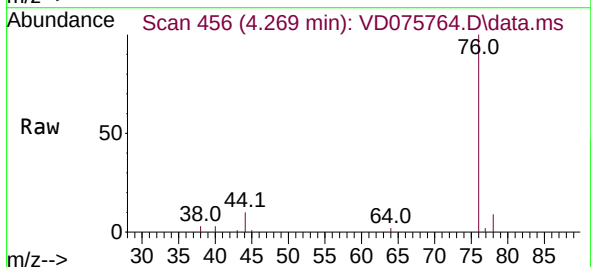
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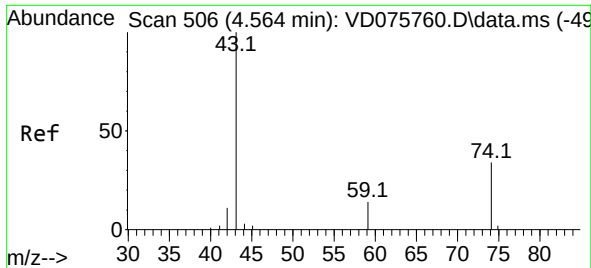
Tgt Ion: 43 Resp: 2714
Ion Ratio Lower Upper
43 100
58 80.3 0.0 87.4



#14
Carbon disulfide
Concen: 4.878 ug/L
RT: 4.269 min Scan# 456
Delta R.T. -0.000 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

Tgt Ion: 76 Resp: 84452
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6

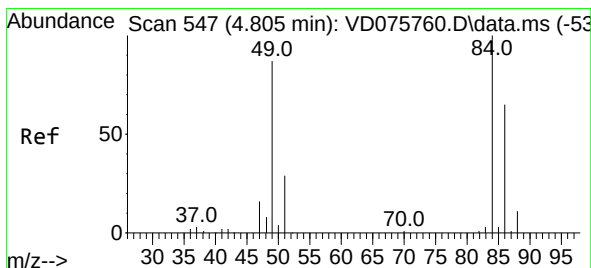
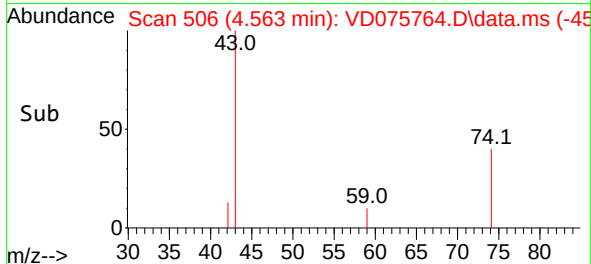
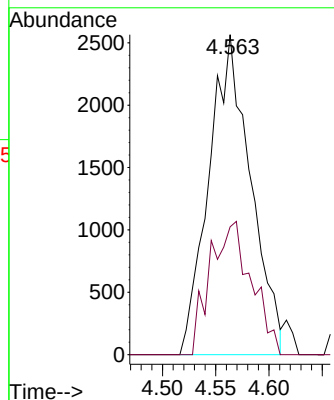
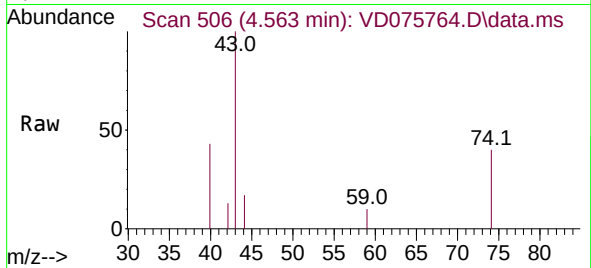




#15
Methyl Acetate
Concen: 5.250 ug/L
RT: 4.563 min Scan# 506
Delta R.T. -0.000 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

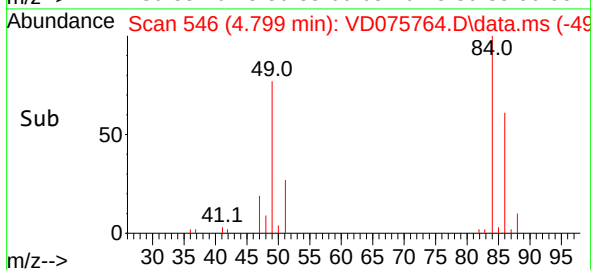
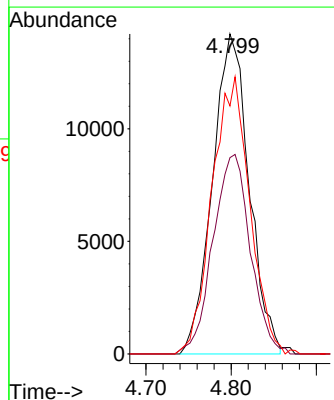
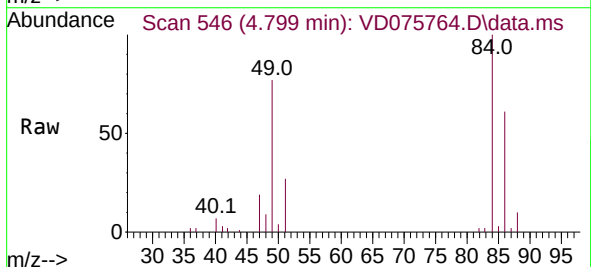
Instrument :
MSVOA_D
ClientSampleId :
VSTD005128

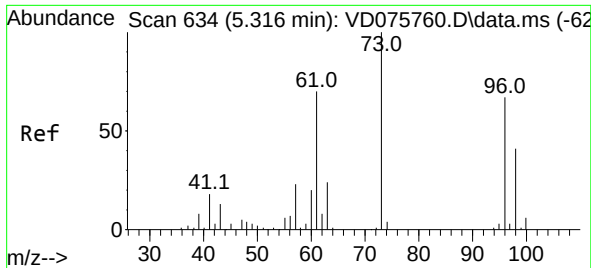
Tgt Ion: 43 Resp: 6990
Ion Ratio Lower Upper
43 100
74 28.5 12.8 19.2#



#16
Methylene chloride
Concen: 5.553 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

Tgt Ion: 84 Resp: 42462
Ion Ratio Lower Upper
84 100
86 61.4 45.8 85.2
49 77.5 60.8 112.8

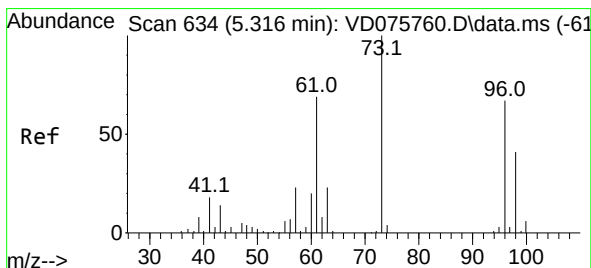
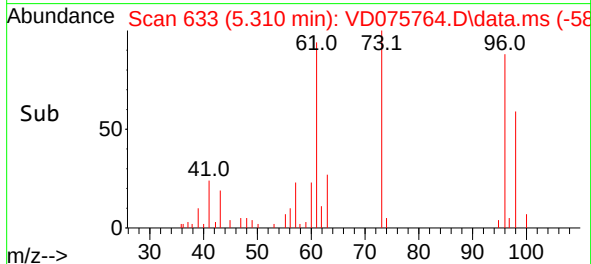
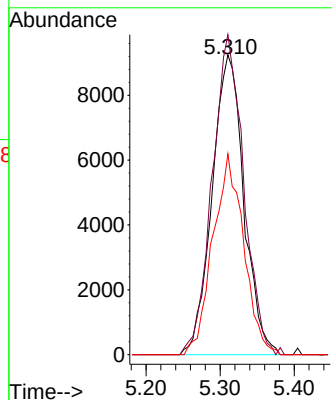
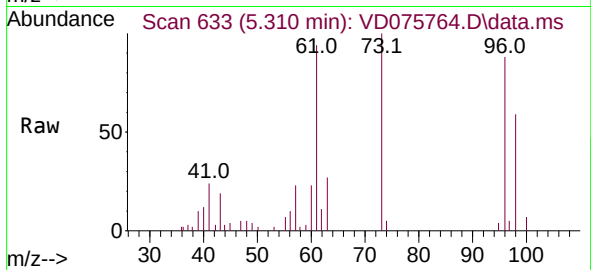




#17
trans-1,2-Dichloroethene
Concen: 4.937 ug/L
RT: 5.310 min Scan# 610
Delta R.T. -0.006 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

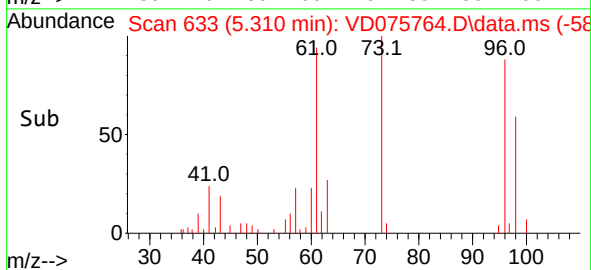
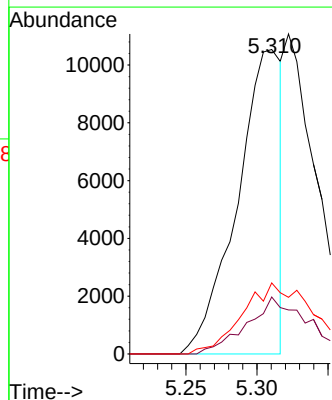
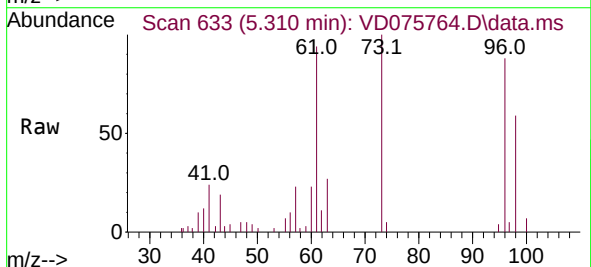
Instrument :
MSVOA_D
ClientSampleId :
VSTD005128

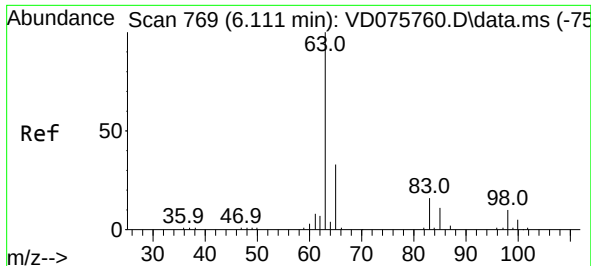
Tgt Ion: 96 Resp: 27439
Ion Ratio Lower Upper
96 100
61 106.7 72.9 135.5
98 66.9 43.0 79.8



#18
Methyl tert-butyl Ether
Concen: 2.564 ug/L
RT: 5.310 min Scan# 633
Delta R.T. -0.006 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

Tgt Ion: 73 Resp: 22859
Ion Ratio Lower Upper
73 100
43 16.9 11.3 16.9
57 23.8 16.3 24.5





#19

1,1-Dichloroethane

Concen: 5.087 ug/L

RT: 6.110 min Scan# 7

Delta R.T. -0.000 min

Lab File: VD075764.D

Acq: 20 Apr 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

VSTD005128

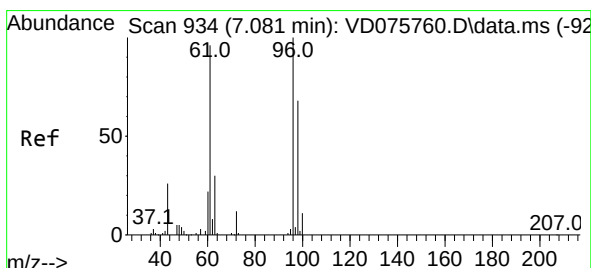
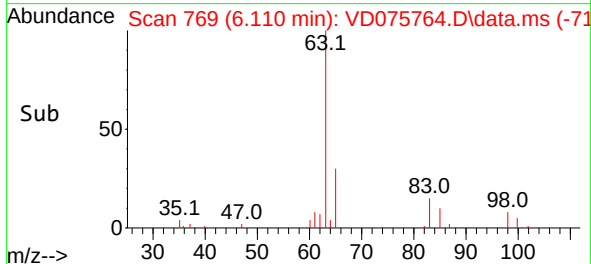
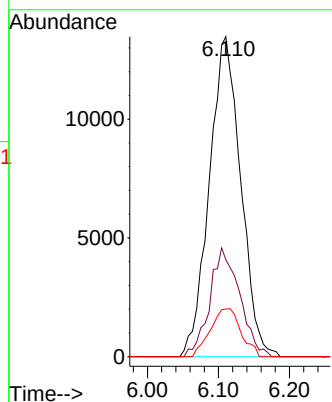
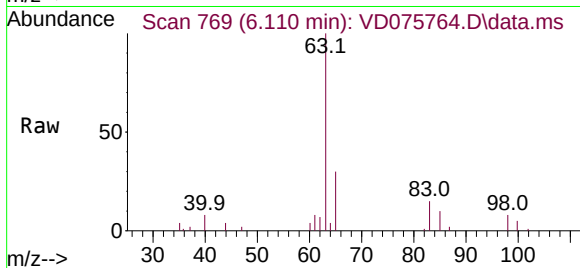
Tgt Ion: 63 Resp: 41417

Ion Ratio Lower Upper

63 100

65 30.3 22.8 42.4

83 14.9 11.2 20.8



#20

cis-1,2-Dichloroethene

Concen: 4.838 ug/L

RT: 7.075 min Scan# 933

Delta R.T. -0.006 min

Lab File: VD075764.D

Acq: 20 Apr 2023 14:25

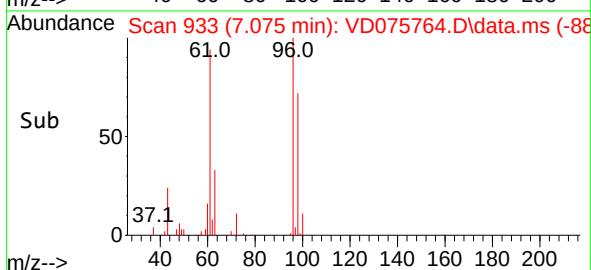
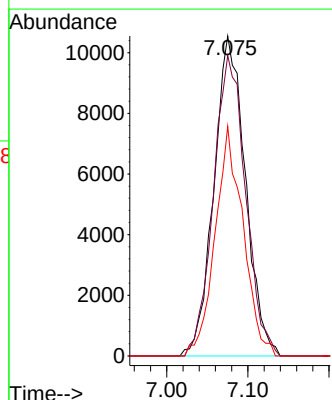
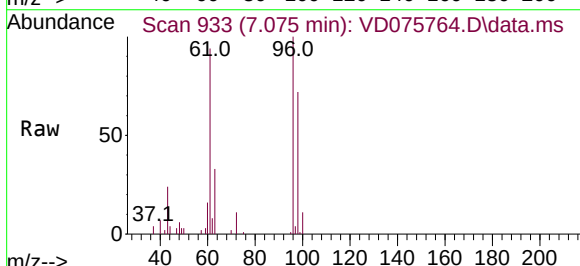
Tgt Ion: 96 Resp: 28431

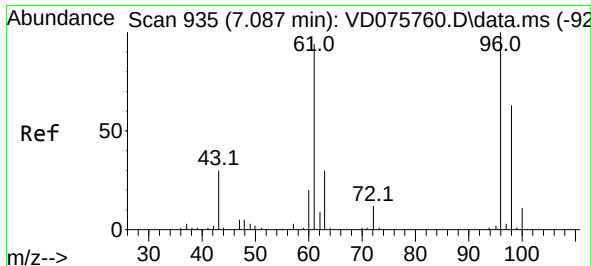
Ion Ratio Lower Upper

96 100

61 93.9 67.5 125.3

98 71.7 47.5 88.1

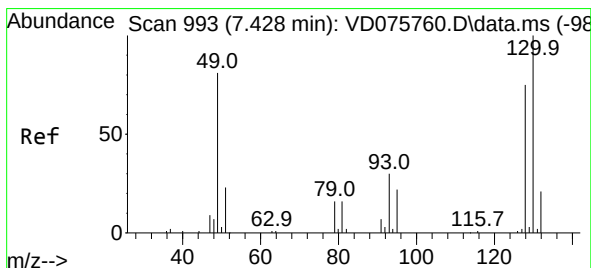
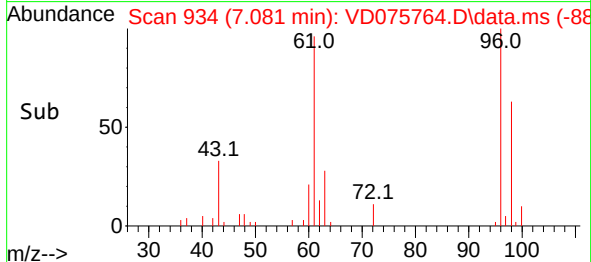
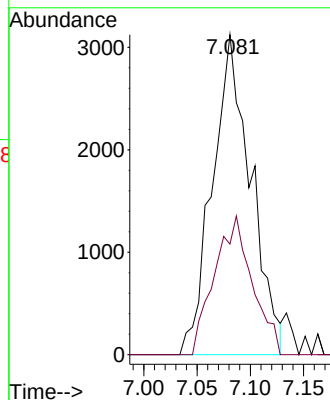
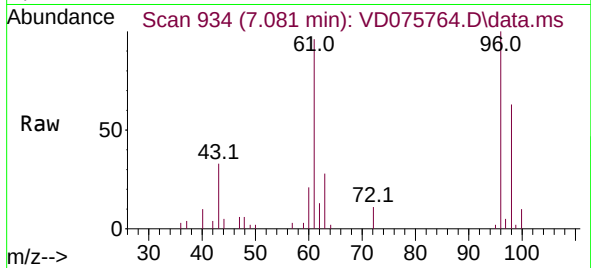




#22
2-Butanone
Concen: 9.771 ug/L
RT: 7.081 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

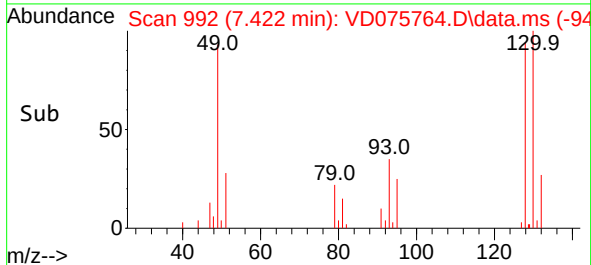
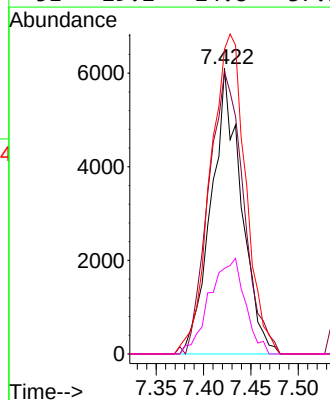
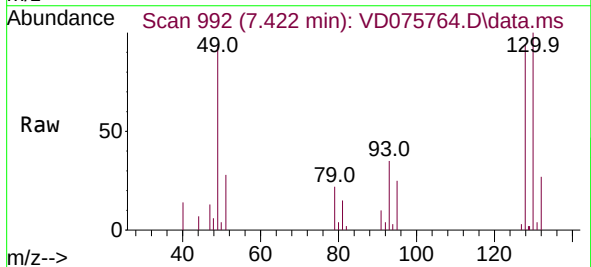
Instrument :
MSVOA_D
ClientSampleId :
VSTD005128

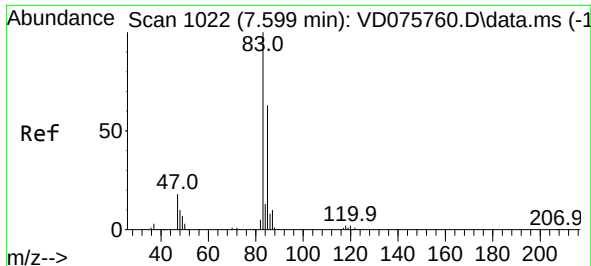
Tgt Ion: 43 Resp: 7826
Ion Ratio Lower Upper
43 100
72 42.7 20.5 61.5



#23
Bromochloromethane
Concen: 4.936 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.006 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

Tgt Ion:128 Resp: 13453
Ion Ratio Lower Upper
128 100
49 96.3 76.4 142.0
130 104.1 93.5 173.7
51 29.2 24.8 37.2





#25

Chloroform

Concen: 5.171 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD075764.D

Acq: 20 Apr 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

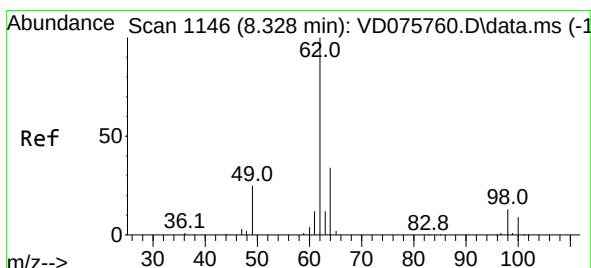
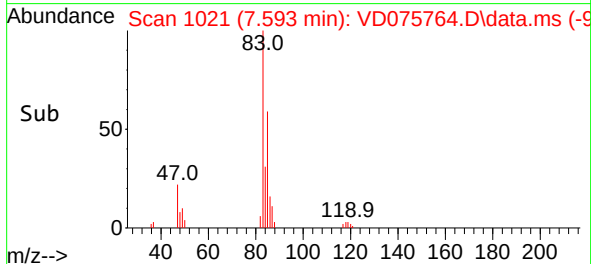
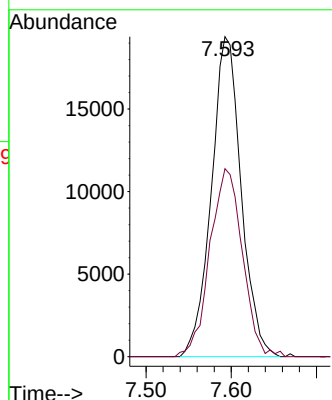
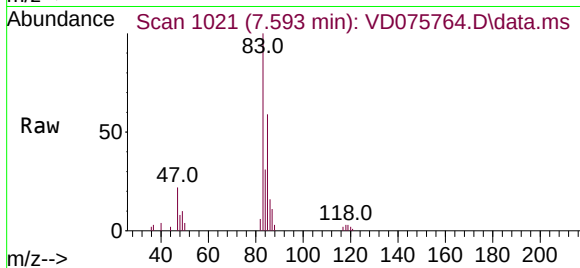
VSTD005128

Tgt Ion: 83 Resp: 47181

Ion Ratio Lower Upper

83 100

85 58.8 44.4 82.5



#27

1,2-Dichloroethane

Concen: 5.100 ug/L

RT: 8.322 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VD075764.D

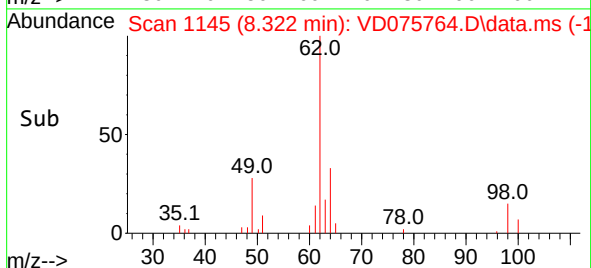
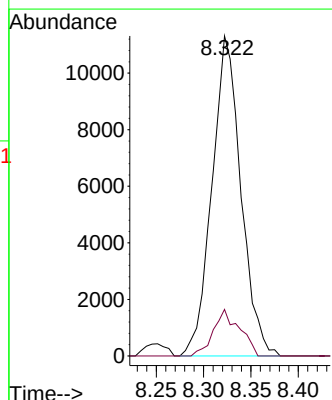
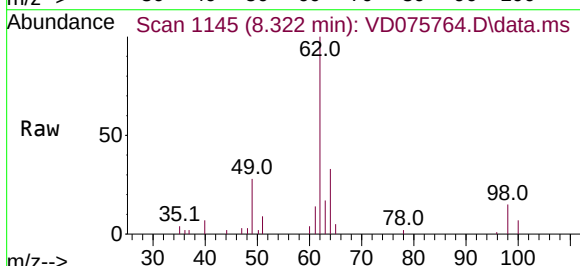
Acq: 20 Apr 2023 14:25

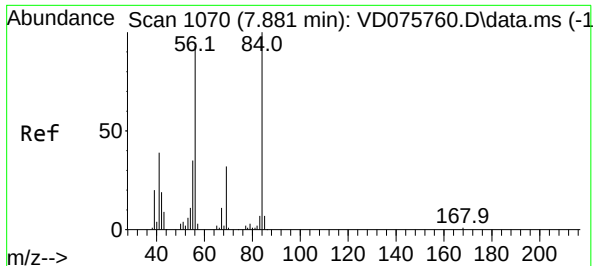
Tgt Ion: 62 Resp: 24024

Ion Ratio Lower Upper

62 100

98 14.6 10.2 15.2





#29

Cyclohexane

Concen: 4.459 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD075764.D

Acq: 20 Apr 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

VSTD005128

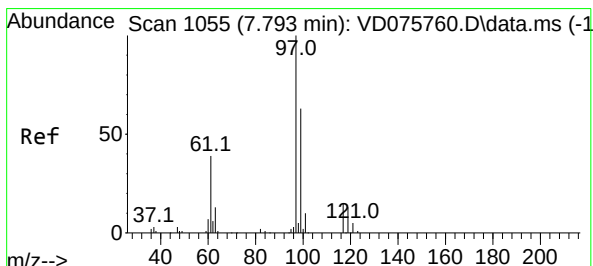
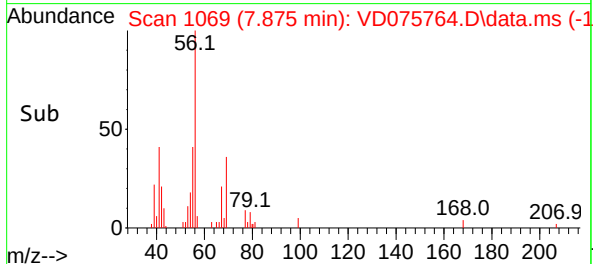
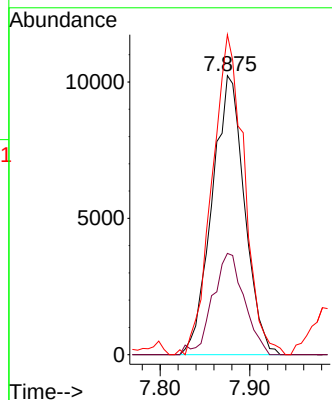
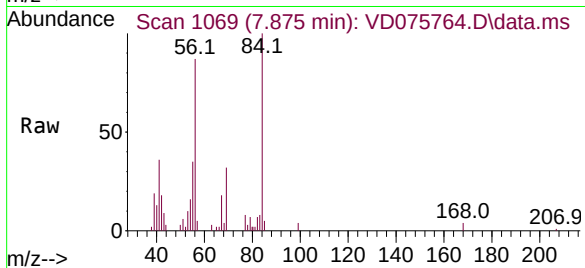
Tgt Ion: 56 Resp: 25714

Ion Ratio Lower Upper

56 100

69 34.6 28.2 42.2

84 112.8 92.4 138.6



#30

1,1,1-Trichloroethane

Concen: 5.188 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD075764.D

Acq: 20 Apr 2023 14:25

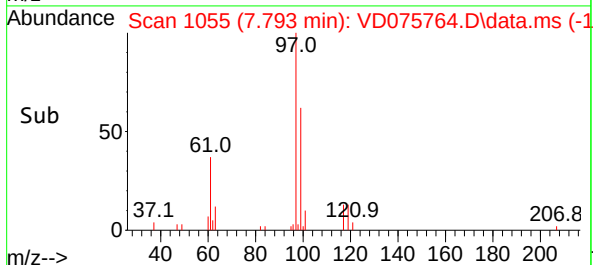
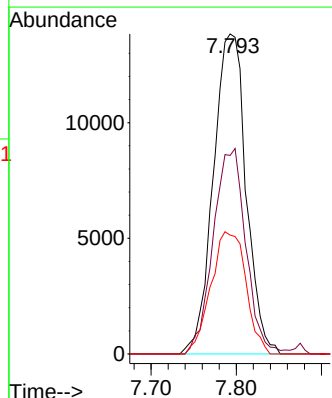
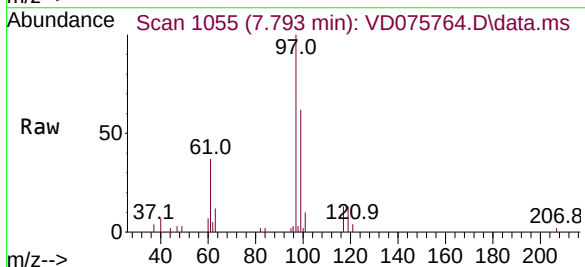
Tgt Ion: 97 Resp: 36969

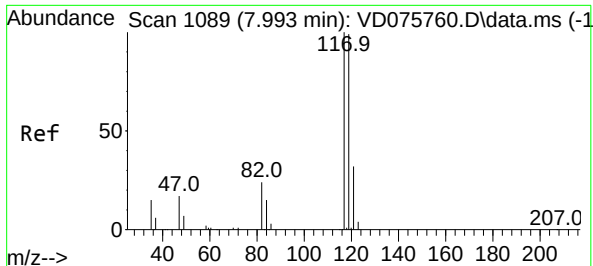
Ion Ratio Lower Upper

97 100

99 63.8 51.5 77.3

61 40.7 32.1 48.1

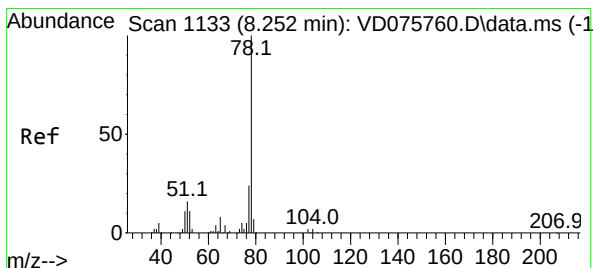
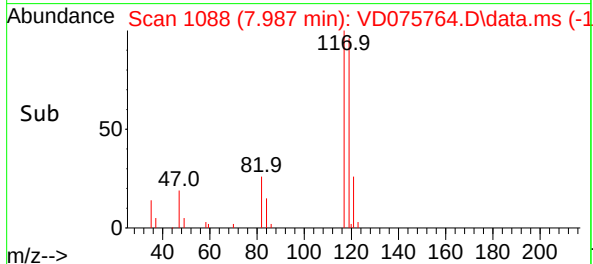
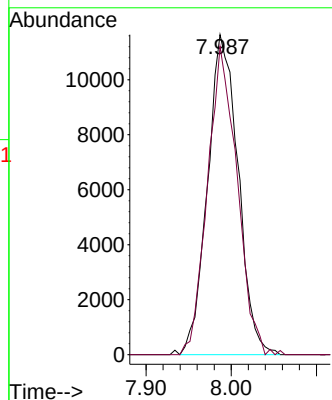
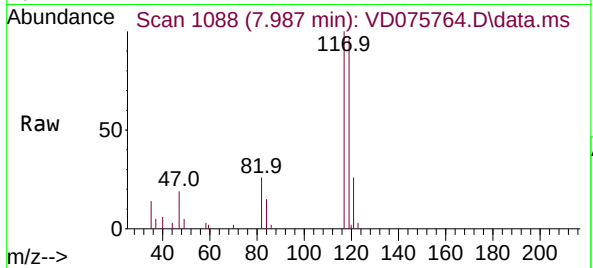




#31
Carbon tetrachloride
Concen: 5.079 ug/L
RT: 7.987 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

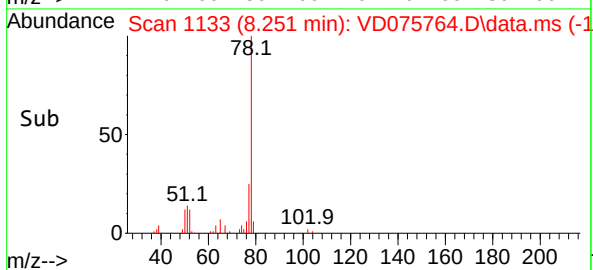
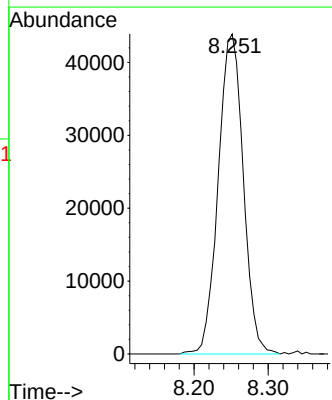
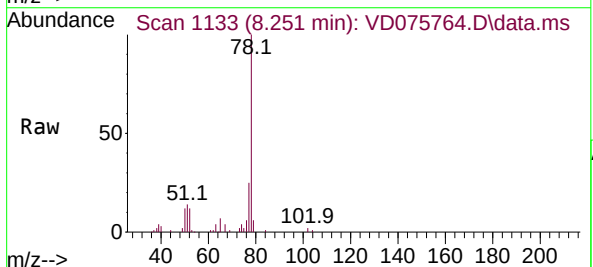
Instrument : MSVOA_D
ClientSampleId : VSTD005128

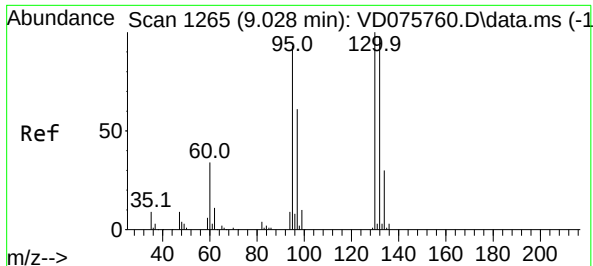
Tgt Ion:117 Resp: 29039
Ion Ratio Lower Upper
117 100
119 92.9 78.2 117.4



#33
Benzene
Concen: 5.055 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

Tgt Ion: 78 Resp: 103001

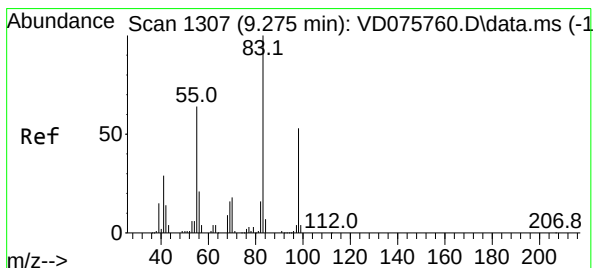
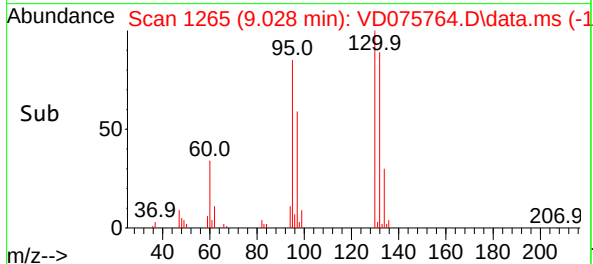
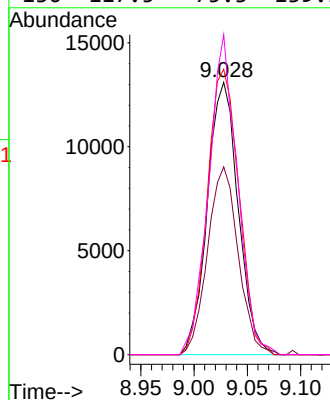
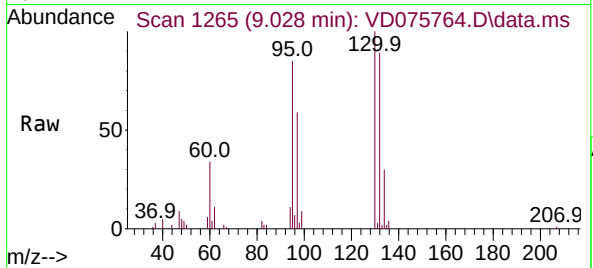




#34
 Trichloroethene
 Concen: 5.017 ug/L
 RT: 9.028 min Scan# 1265
 Delta R.T. -0.000 min
 Lab File: VD075764.D
 Acq: 20 Apr 2023 14:25

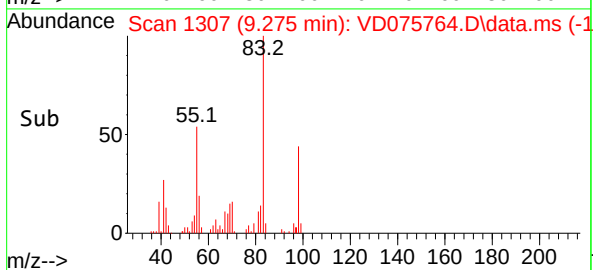
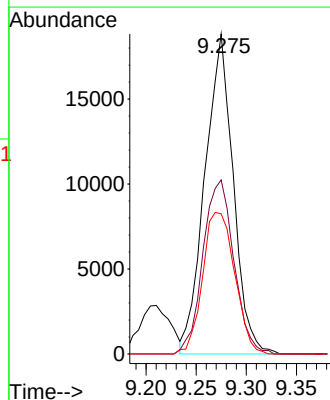
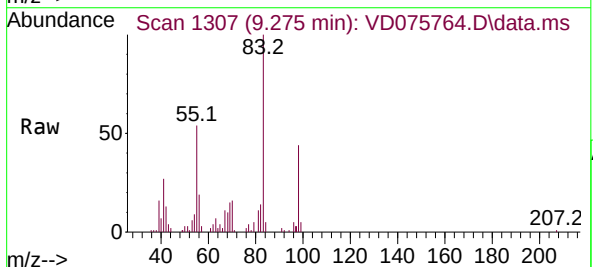
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005128

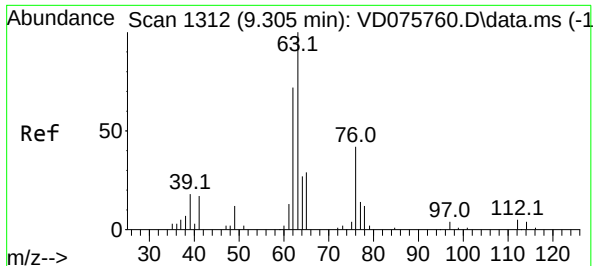
Tgt Ion:	95	Resp:	26434
Ion	Ratio	Lower	Upper
95	100		
97	69.0	46.0	85.4
132	104.8	73.3	136.1
130	117.5	75.3	139.9



#35
 Methylcyclohexane
 Concen: 4.561 ug/L
 RT: 9.275 min Scan# 1307
 Delta R.T. -0.000 min
 Lab File: VD075764.D
 Acq: 20 Apr 2023 14:25

Tgt Ion:	83	Resp:	37048
Ion	Ratio	Lower	Upper
83	100		
55	59.3	48.2	72.2
98	50.1	40.8	61.2





#37

1,2-Dichloropropane

Concen: 5.043 ug/L

RT: 9.304 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075764.D

Acq: 20 Apr 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

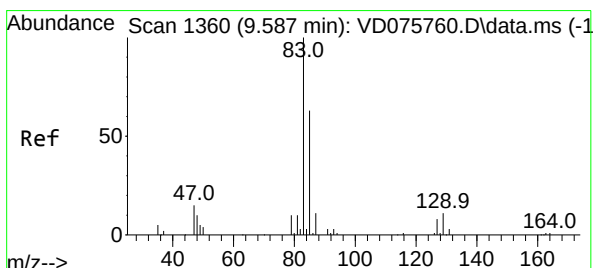
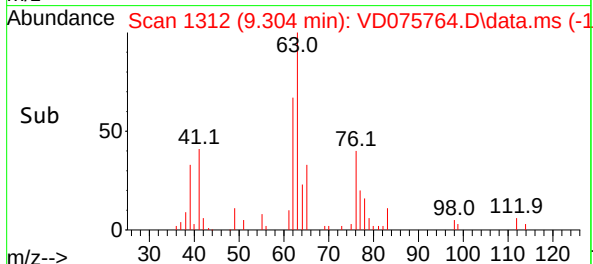
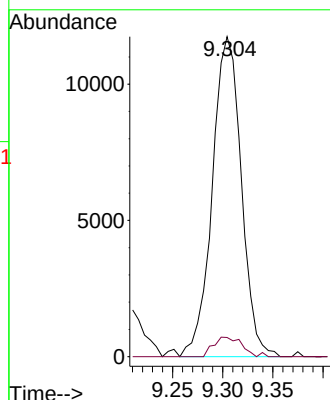
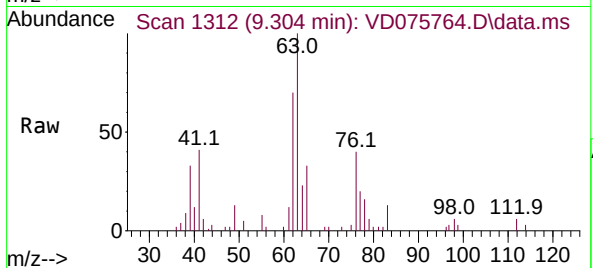
VSTD005128

Tgt Ion: 63 Resp: 23600

Ion Ratio Lower Upper

63 100

112 5.8 4.0 6.0



#38

Bromodichloromethane

Concen: 5.105 ug/L

RT: 9.581 min Scan# 1359

Delta R.T. -0.006 min

Lab File: VD075764.D

Acq: 20 Apr 2023 14:25

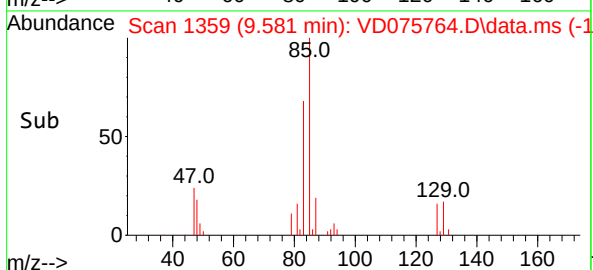
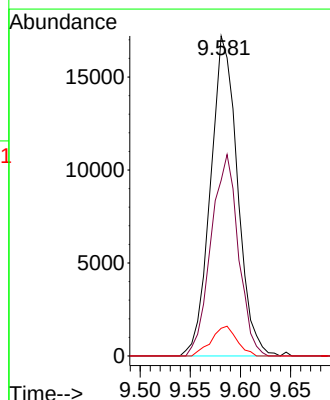
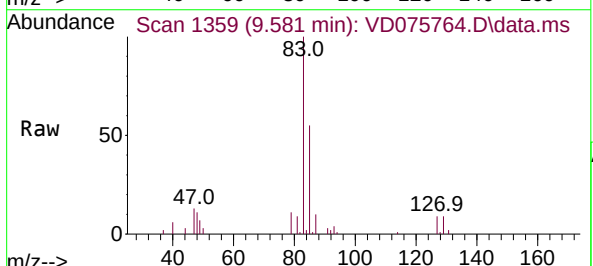
Tgt Ion: 83 Resp: 32218

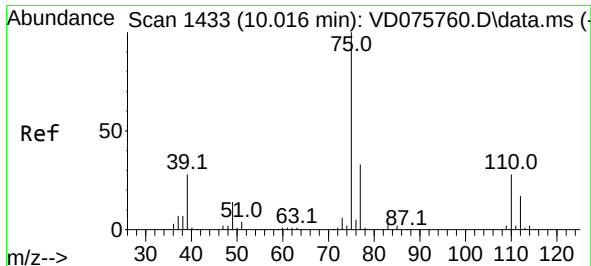
Ion Ratio Lower Upper

83 100

85 54.9 44.2 82.2

127 8.6 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.730 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. -0.000 min

Lab File: VD075764.D

Acq: 20 Apr 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

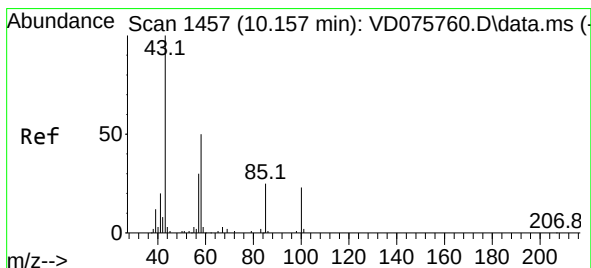
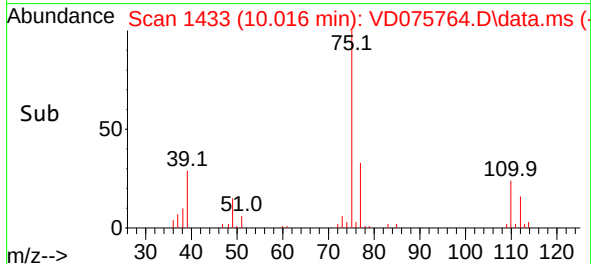
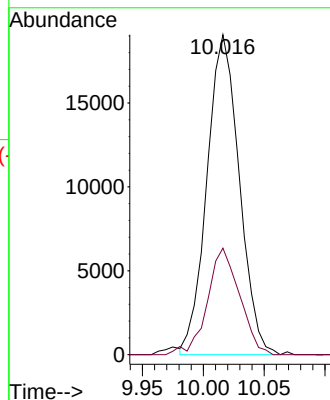
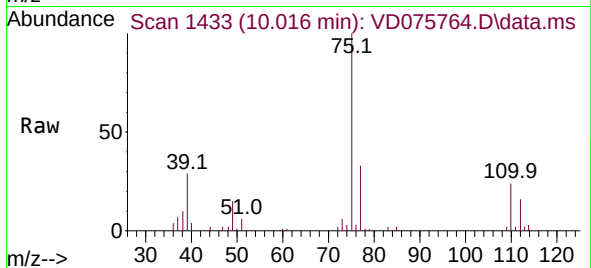
VSTD005128

Tgt Ion: 75 Resp: 35205

Ion Ratio Lower Upper

75 100

77 33.3 23.4 43.6



#40

4-Methyl-2-pentanone

Concen: 10.028 ug/L

RT: 10.163 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VD075764.D

Acq: 20 Apr 2023 14:25

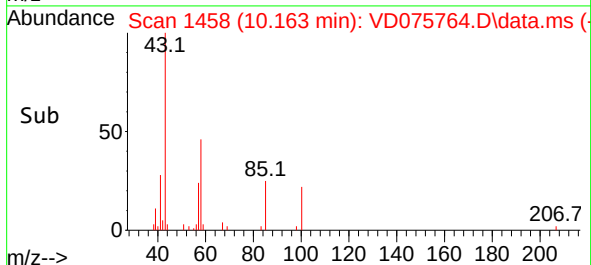
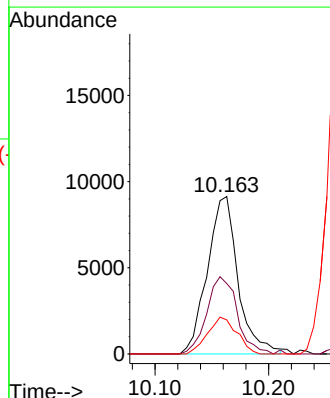
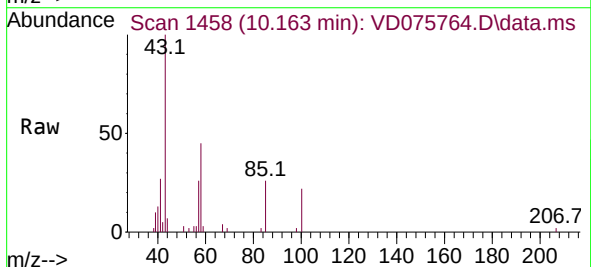
Tgt Ion: 43 Resp: 17112

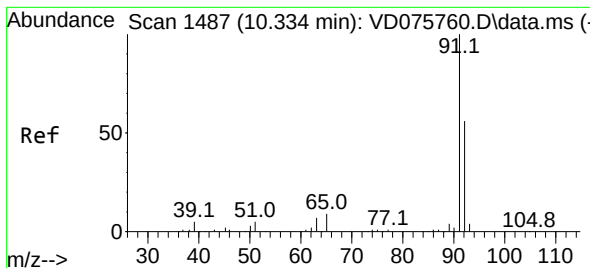
Ion Ratio Lower Upper

43 100

58 48.6 39.1 58.7

100 22.3 19.4 29.0





#42

Toluene

Concen: 4.898 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD075764.D

Acq: 20 Apr 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

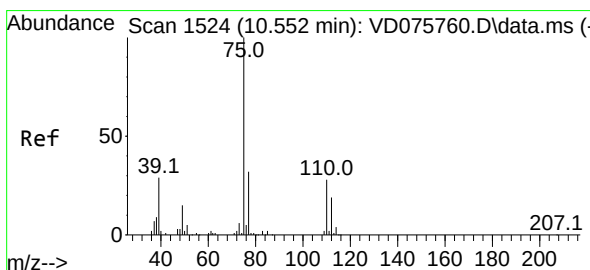
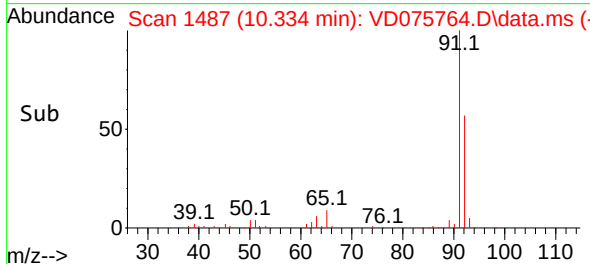
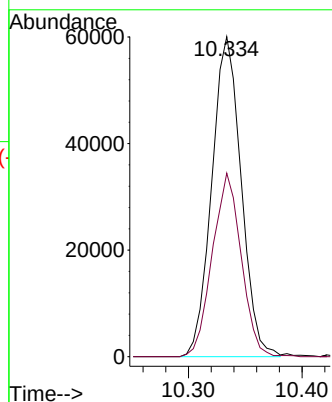
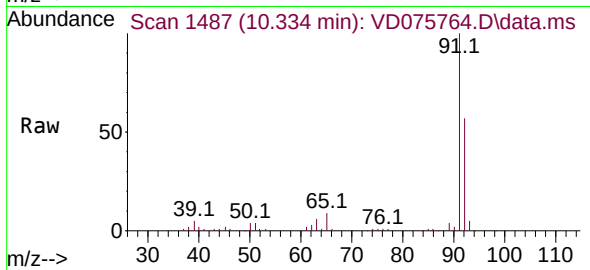
VSTD005128

Tgt Ion: 91 Resp: 107997

Ion Ratio Lower Upper

91 100

92 57.3 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 4.923 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. -0.000 min

Lab File: VD075764.D

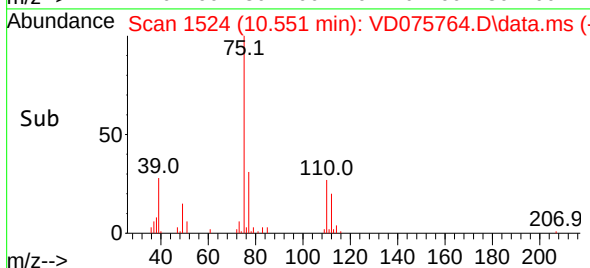
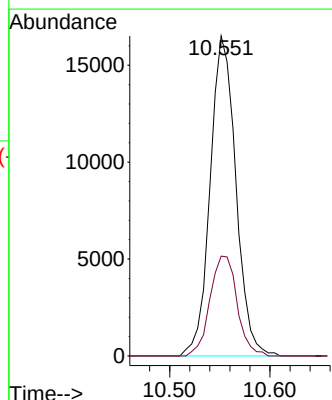
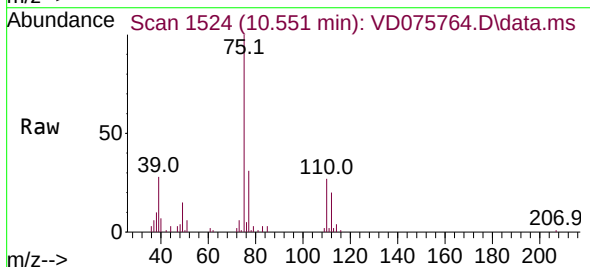
Acq: 20 Apr 2023 14:25

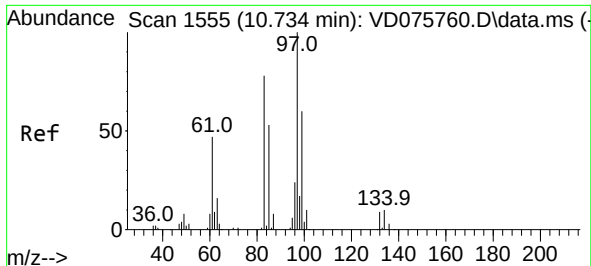
Tgt Ion: 75 Resp: 29434

Ion Ratio Lower Upper

75 100

77 31.2 22.0 41.0

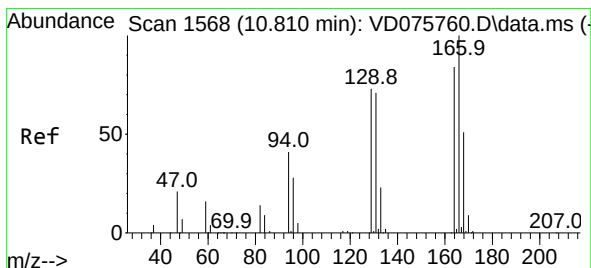
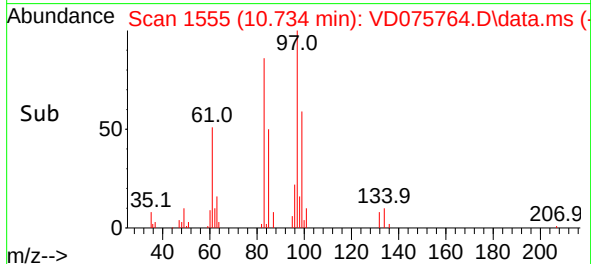
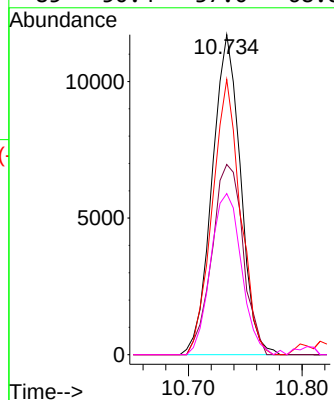
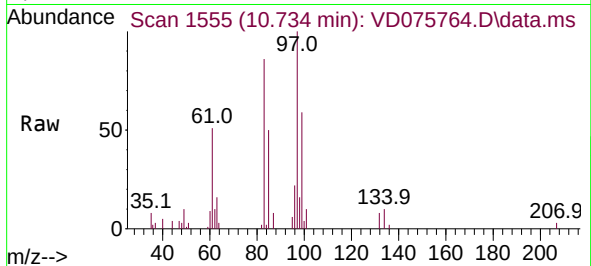




#45
1,1,2-Trichloroethane
Concen: 5.114 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

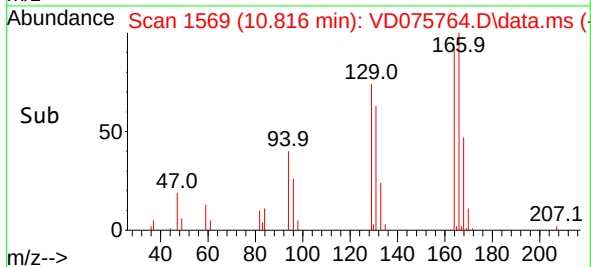
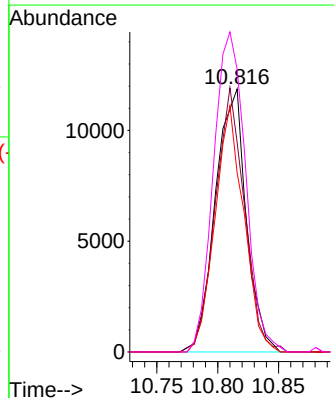
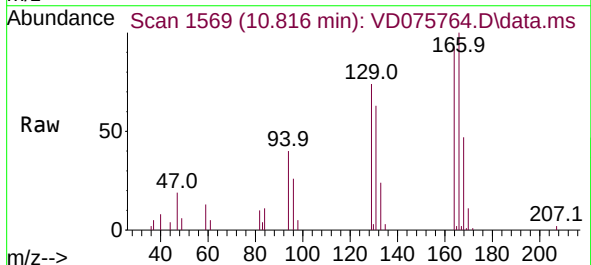
Instrument :
MSVOA_D
ClientSampleId :
VSTD005128

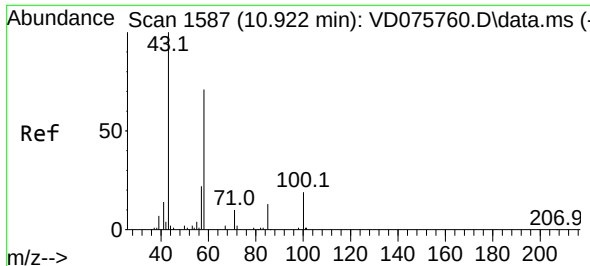
Tgt Ion:	97	Resp:	20364
Ion	Ratio	Lower	Upper
97	100		
99	59.5	42.2	78.4
83	86.0	54.8	101.8
85	50.4	37.0	68.8



#46
Tetrachloroethene
Concen: 4.865 ug/L
RT: 10.816 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

Tgt Ion:	164	Resp:	21023
Ion	Ratio	Lower	Upper
164	100		
129	79.6	60.3	112.1
131	68.0	58.9	109.3
166	107.4	83.0	154.1

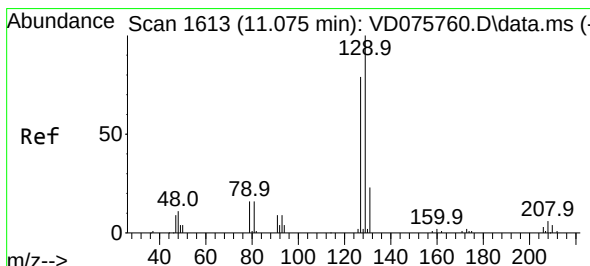
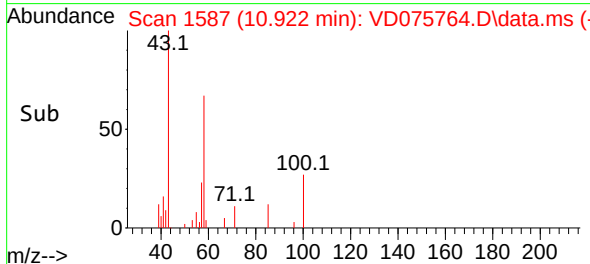
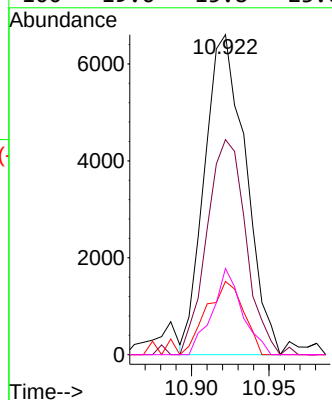
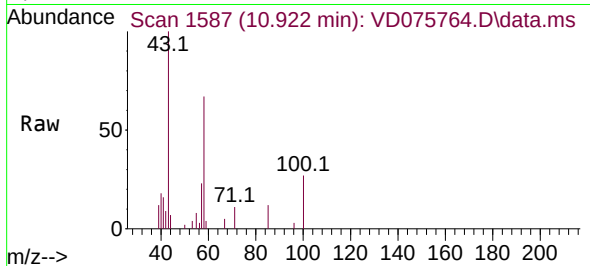




#48
2-Hexanone
Concen: 10.135 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

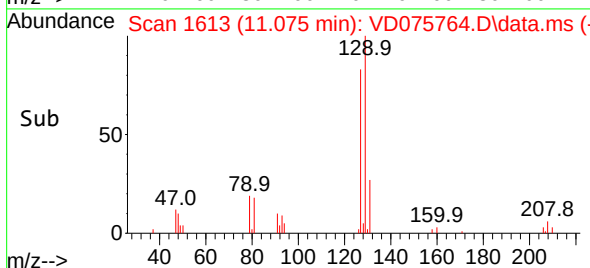
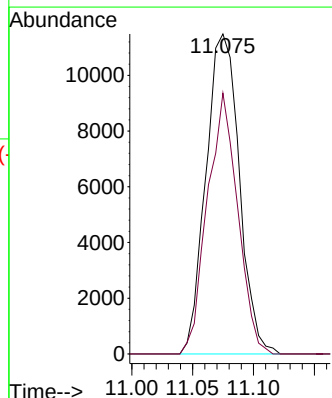
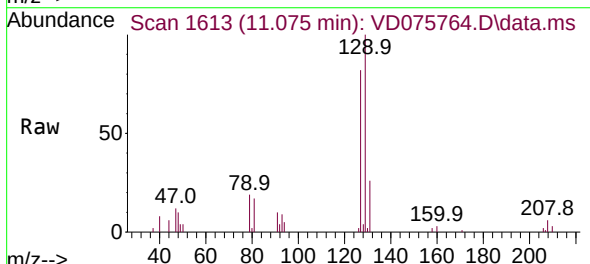
Instrument :
MSVOA_D
ClientSampleId :
VSTD005128

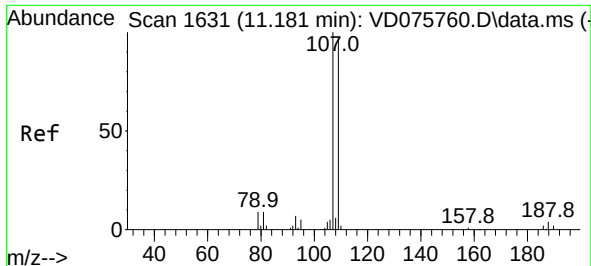
Tgt Ion: 43	Resp: 12192
Ion Ratio	Lower Upper
43 100	
58 63.6	59.7 89.5
57 20.6	17.9 26.9
100 19.6	15.8 23.6



#49
Dibromochloromethane
Concen: 5.049 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

Tgt Ion:129	Resp: 21886		
Ion Ratio	Lower	Upper	
129 100			
127 81.5	55.6	103.4	

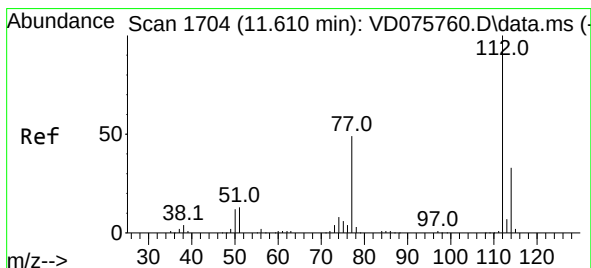
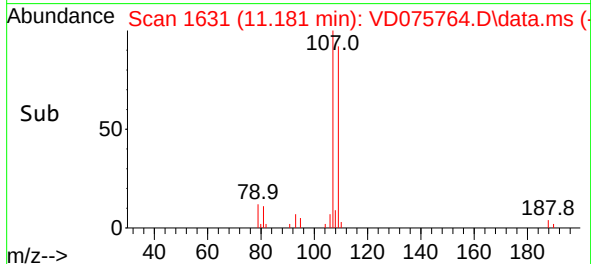
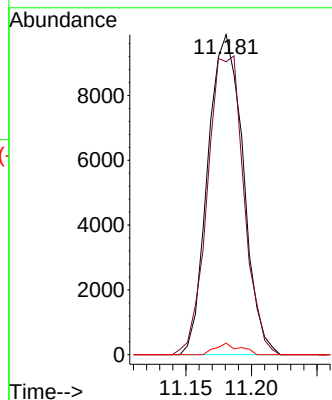
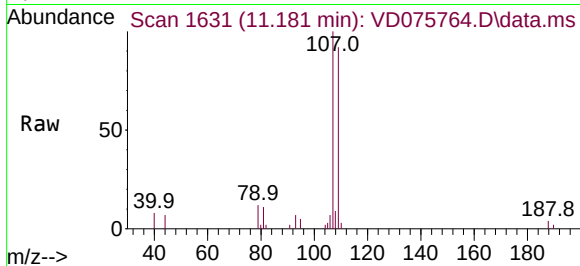




#50
1,2-Dibromoethane
Concen: 5.154 ug/L
RT: 11.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

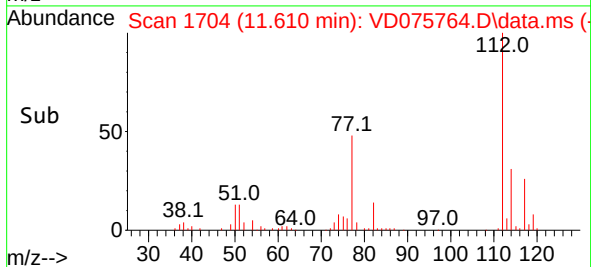
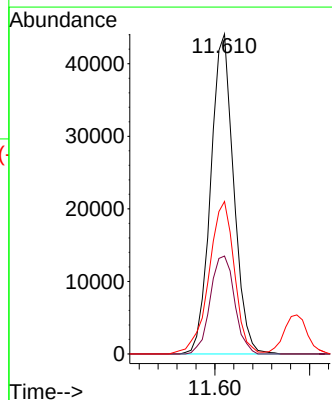
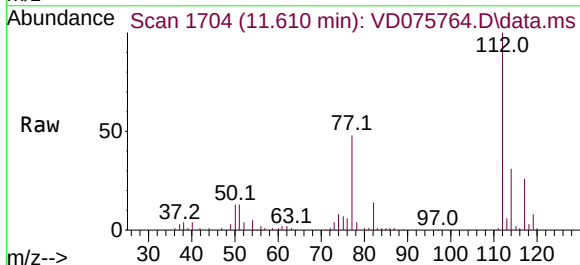
Instrument :
MSVOA_D
ClientSampleId :
VSTD005128

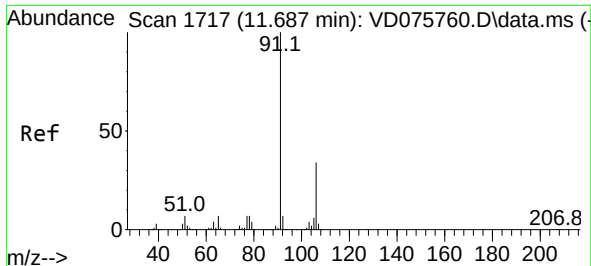
Tgt Ion:	107	Resp:	18503
Ion	Ratio	Lower	Upper
107	100		
109	91.6	67.6	125.6
188	3.6	3.0	4.6



#51
Chlorobenzene
Concen: 5.148 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

Tgt Ion:	112	Resp:	74258
Ion	Ratio	Lower	Upper
112	100		
114	30.6	23.0	42.8
77	47.7	39.7	59.5





#52

Ethylbenzene

Concen: 4.766 ug/L

RT: 11.687 min Scan# 1717

Delta R.T. -0.000 min

Lab File: VD075764.D

Acq: 20 Apr 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

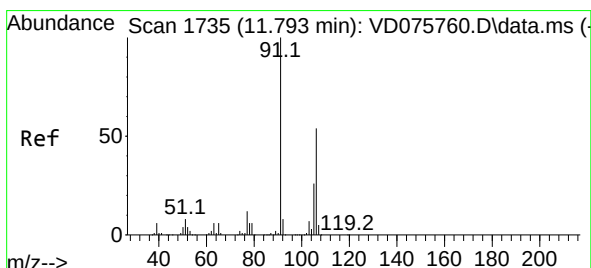
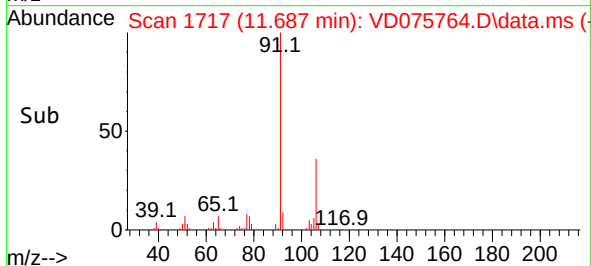
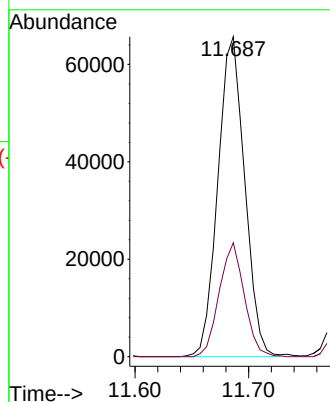
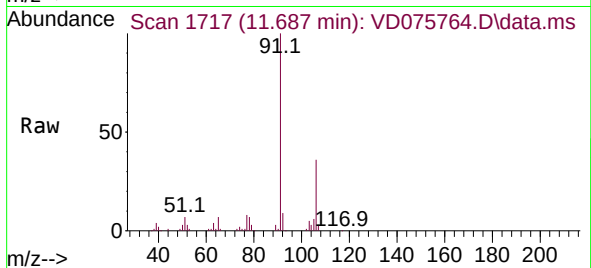
VSTD005128

Tgt Ion: 91 Resp: 107763

Ion Ratio Lower Upper

91 100

106 35.6 23.7 43.9



#53

m,p-Xylene

Concen: 4.927 ug/L

RT: 11.792 min Scan# 1735

Delta R.T. -0.000 min

Lab File: VD075764.D

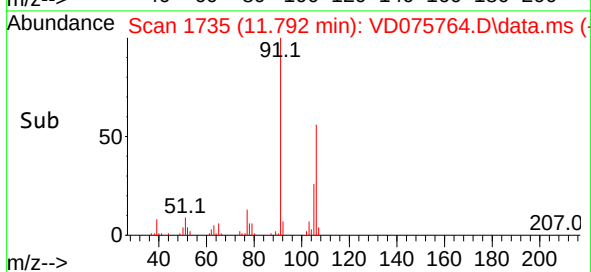
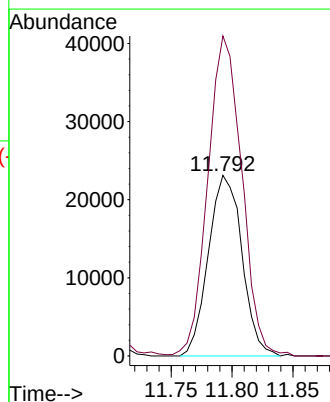
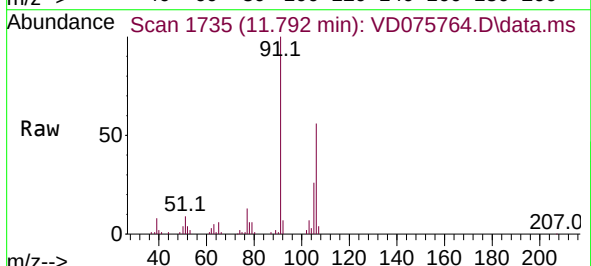
Acq: 20 Apr 2023 14:25

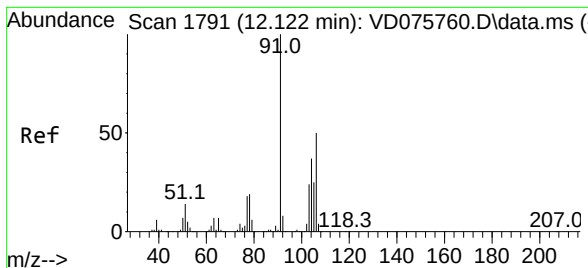
Tgt Ion: 106 Resp: 44355

Ion Ratio Lower Upper

106 100

91 177.2 130.9 243.1

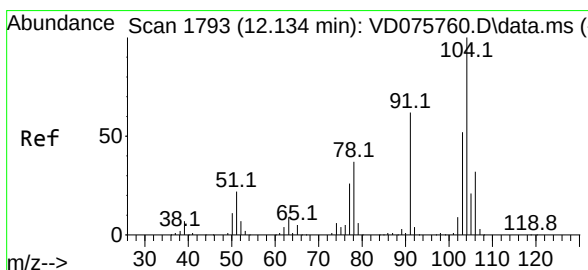
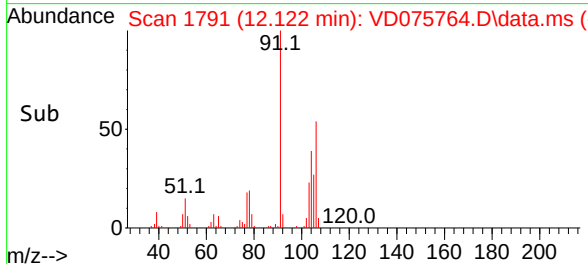
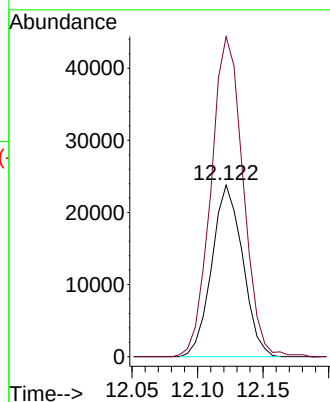
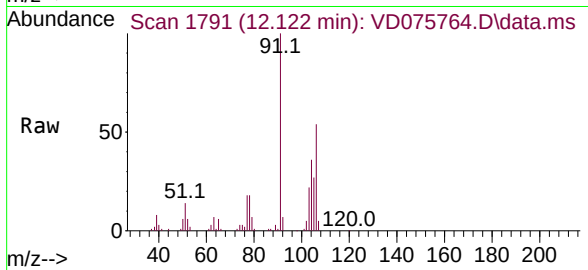




#54
o-Xylene
Concen: 4.555 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

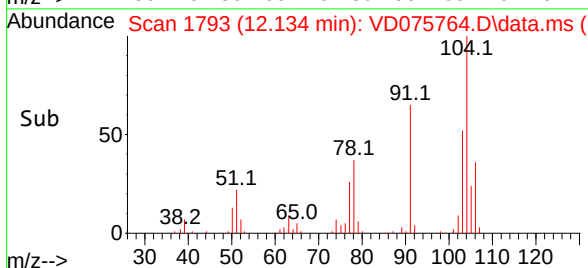
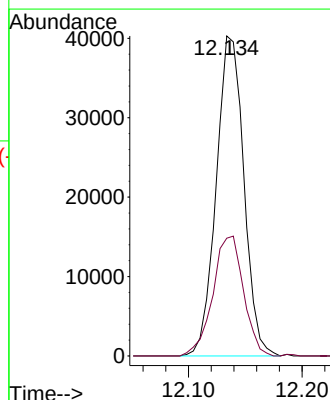
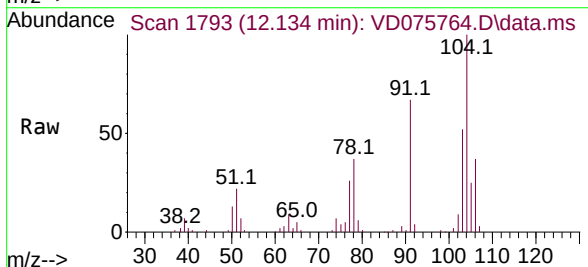
Instrument :
MSVOA_D
ClientSampleId :
VSTD005128

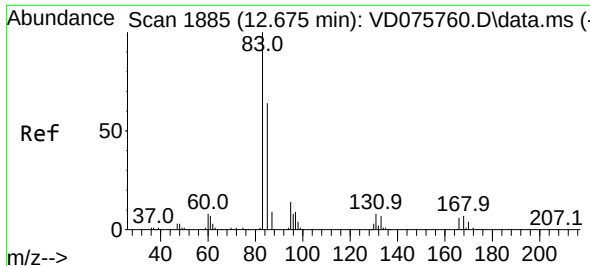
Tgt Ion:106 Resp: 38953
Ion Ratio Lower Upper
106 100
91 186.5 139.8 259.6



#55
Styrene
Concen: 4.580 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

Tgt Ion:104 Resp: 68169
Ion Ratio Lower Upper
104 100
78 36.8 26.2 48.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.142 ug/L

RT: 12.675 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD075764.D

Acq: 20 Apr 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

VSTD005128

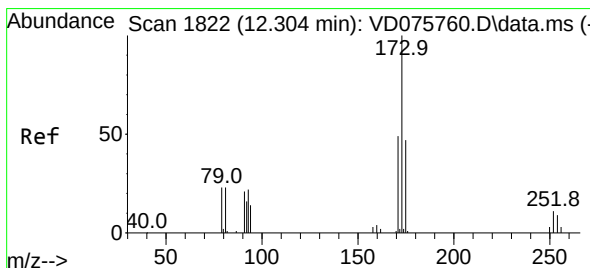
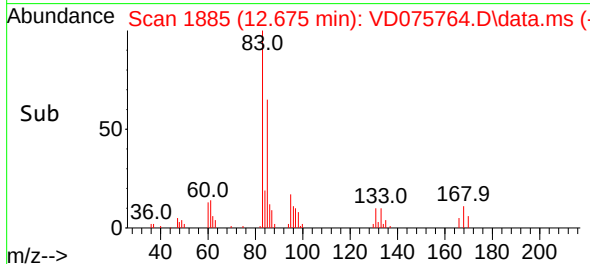
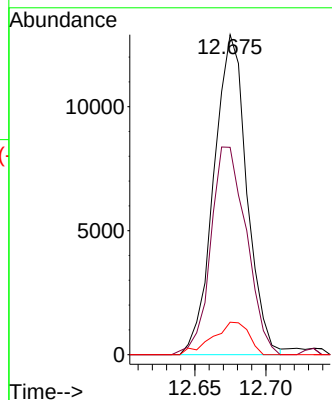
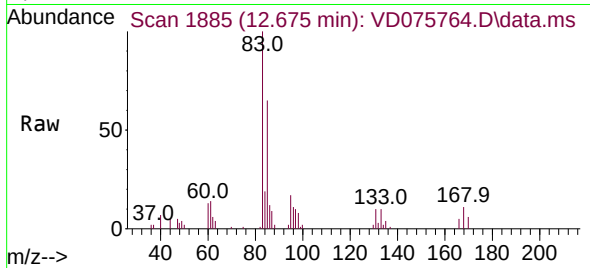
Tgt Ion: 83 Resp: 20832

Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.7

131 10.1 7.0 10.6



#59

Bromoform

Concen: 5.021 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. -0.006 min

Lab File: VD075764.D

Acq: 20 Apr 2023 14:25

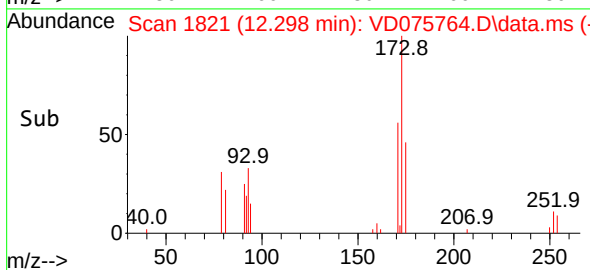
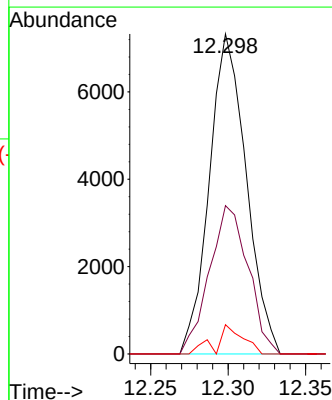
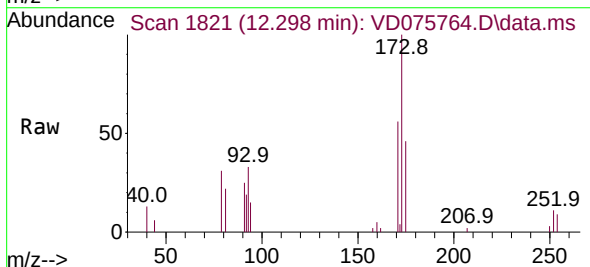
Tgt Ion: 173 Resp: 12122

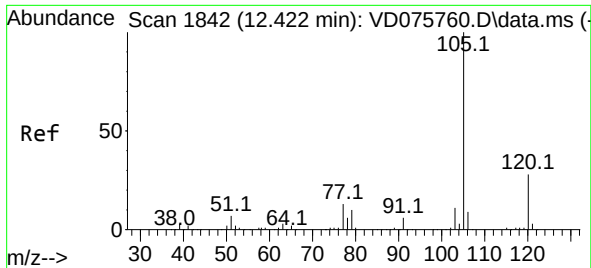
Ion Ratio Lower Upper

173 100

175 48.6 39.4 59.0

254 5.1 7.4 11.2#

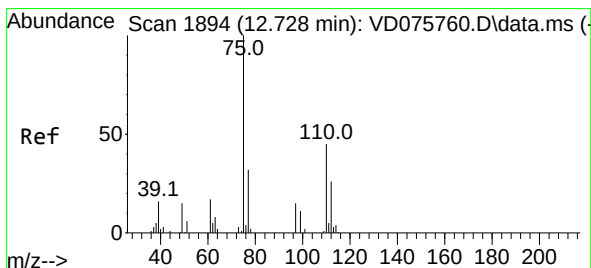
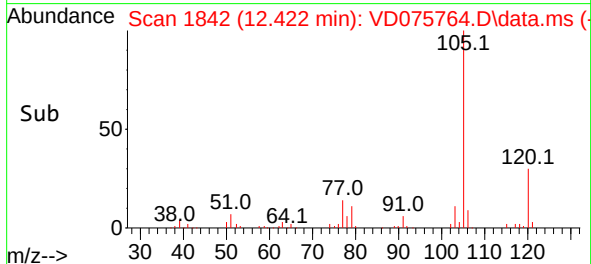
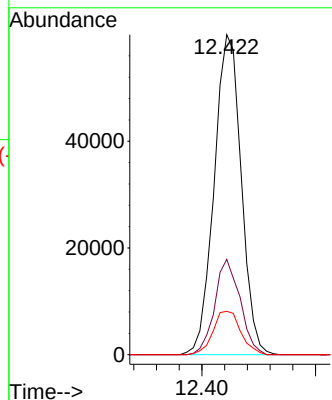
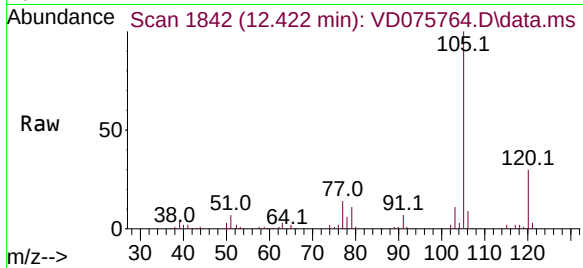




#60
Isopropylbenzene
Concen: 4.745 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

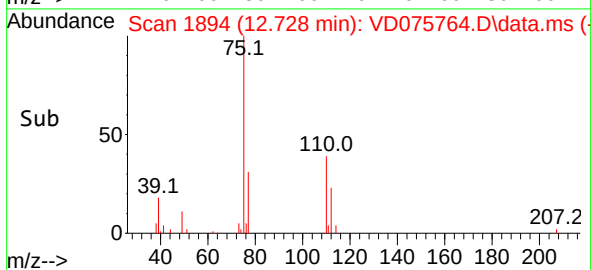
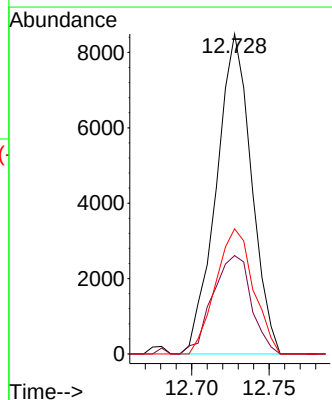
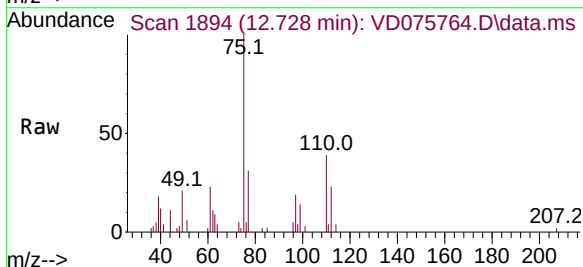
Instrument :
MSVOA_D
ClientSampleId :
VSTD005128

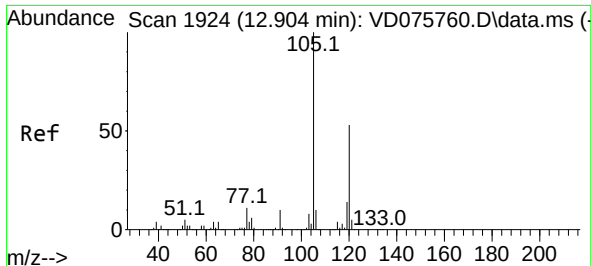
Tgt Ion:105 Resp: 99115
Ion Ratio Lower Upper
105 100
120 27.9 22.7 34.1
77 14.0 10.9 16.3



#61
1,2,3-Trichloropropane
Concen: 5.417 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

Tgt Ion: 75 Resp: 13406
Ion Ratio Lower Upper
75 100
77 33.8 26.6 39.8
110 41.7 33.5 50.3

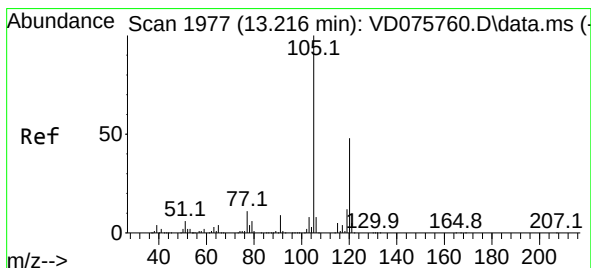
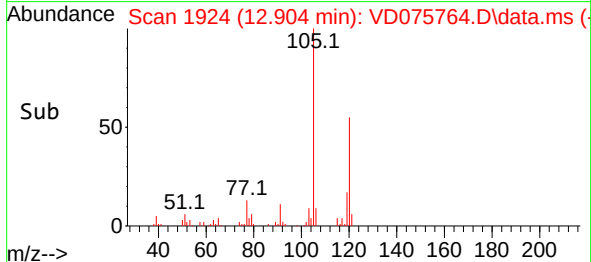
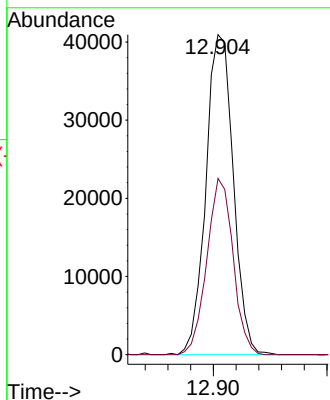
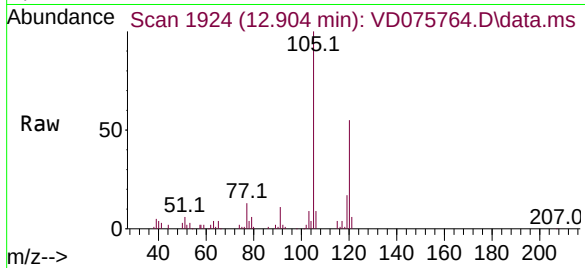




#62
 1,3,5-Trimethylbenzene
 Concen: 4.407 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. -0.000 min
 Lab File: VD075764.D
 Acq: 20 Apr 2023 14:25

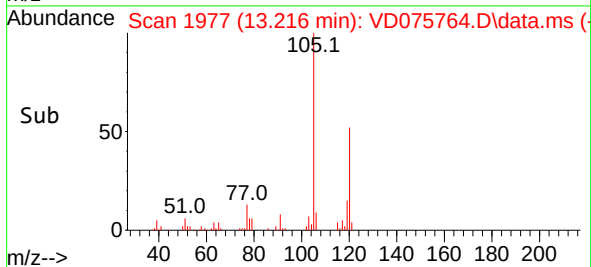
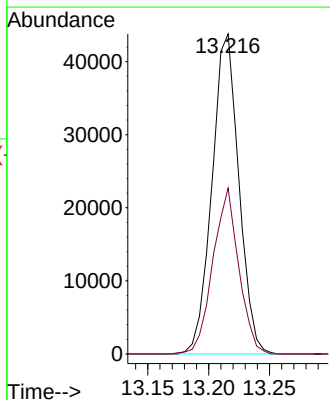
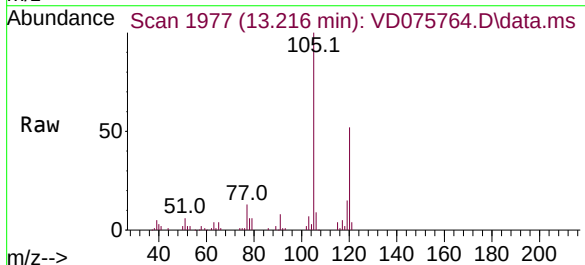
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005128

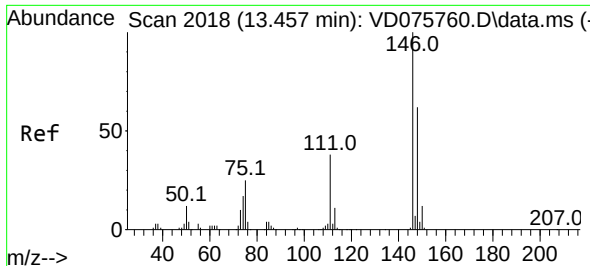
Tgt Ion:105 Resp: 68648
 Ion Ratio Lower Upper
 105 100
 120 52.6 42.0 63.0



#63
 1,2,4-Trimethylbenzene
 Concen: 4.481 ug/L
 RT: 13.216 min Scan# 1977
 Delta R.T. -0.000 min
 Lab File: VD075764.D
 Acq: 20 Apr 2023 14:25

Tgt Ion:105 Resp: 67284
 Ion Ratio Lower Upper
 105 100
 120 49.8 39.0 58.6

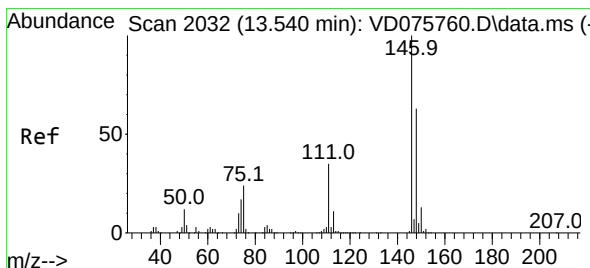
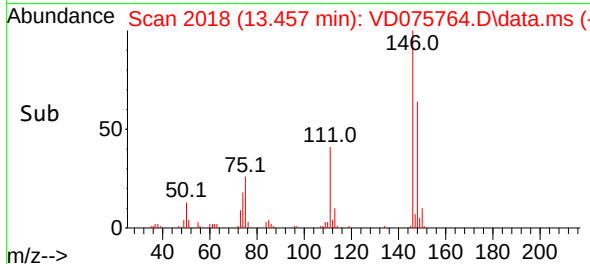
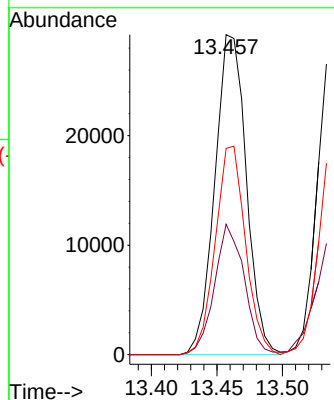
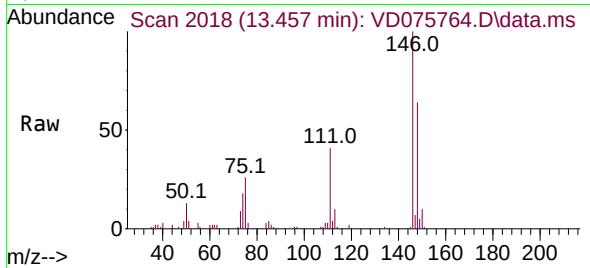




#64
1,3-Dichlorobenzene
Concen: 4.885 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. -0.000 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

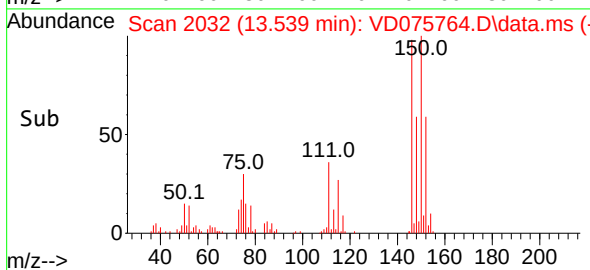
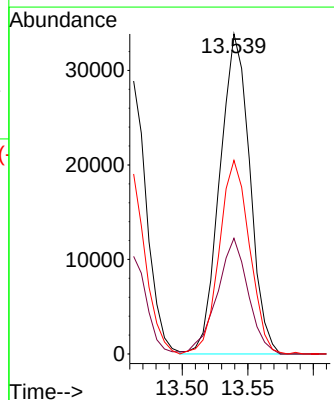
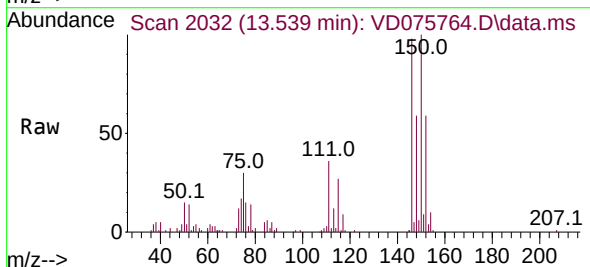
Instrument :
MSVOA_D
ClientSampleId :
VSTD005128

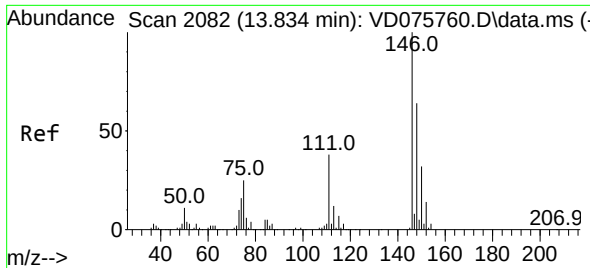
Tgt Ion:146 Resp: 48824
Ion Ratio Lower Upper
146 100
111 40.7 26.5 49.1
148 64.4 43.8 81.3



#65
1,4-Dichlorobenzene
Concen: 5.138 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

Tgt Ion:146 Resp: 53895
Ion Ratio Lower Upper
146 100
111 36.2 24.6 45.8
148 60.5 44.4 82.4

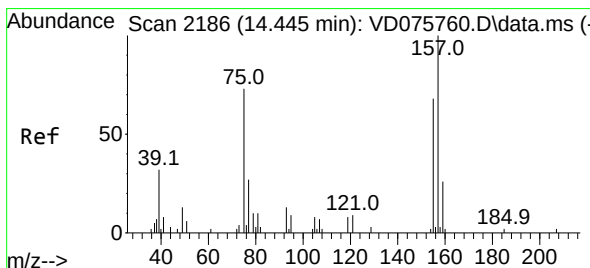
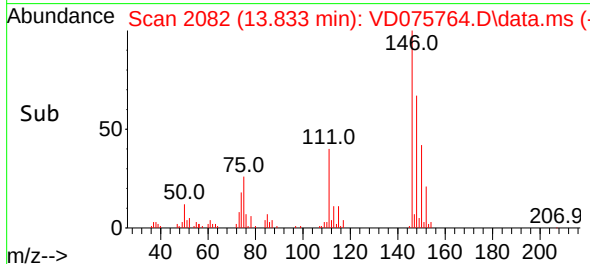
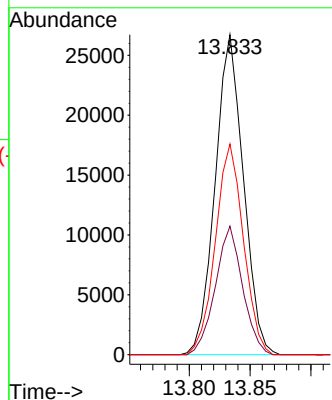
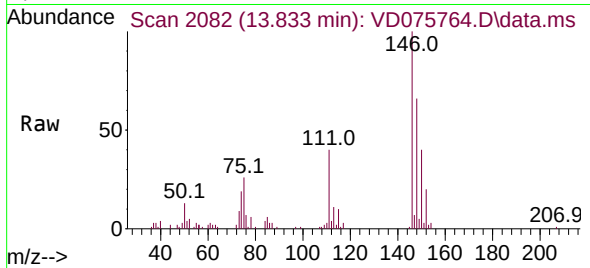




#67
1,2-Dichlorobenzene
Concen: 4.840 ug/L
RT: 13.833 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

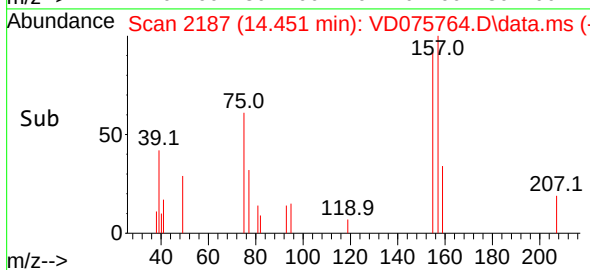
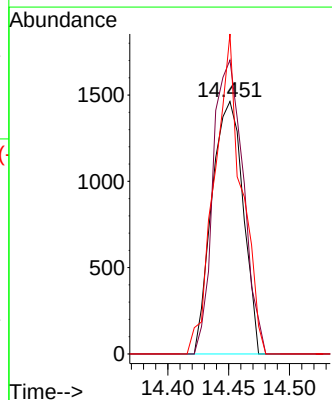
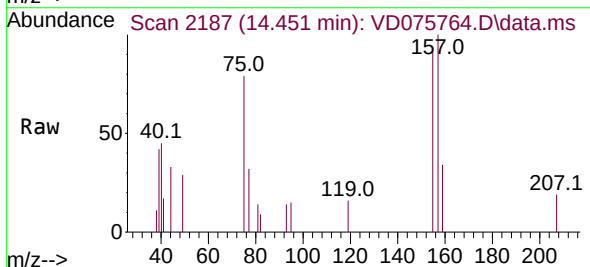
Instrument :
MSVOA_D
ClientSampleId :
VSTD005128

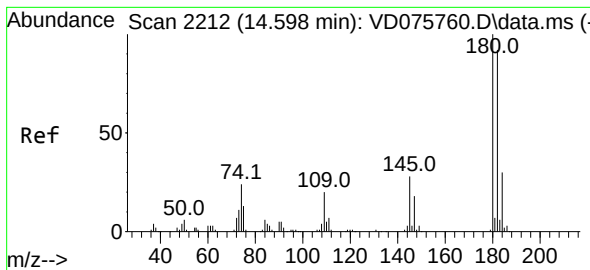
Tgt Ion:	146	Resp:	43195
Ion Ratio	Lower	Upper	
146	100		
111	40.1	30.6	46.0
148	65.8	51.4	77.0



#68
1,2-Dibromo-3-chloropropane
Concen: 5.288 ug/L
RT: 14.451 min Scan# 2187
Delta R.T. 0.006 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

Tgt Ion:	75	Resp:	2616
Ion Ratio	Lower	Upper	
75	100		
155	116.4	74.6	111.8#
157	126.7	109.4	164.2





#69

1,3,5-Trichlorobenzene

Concen: 4.470 ug/L

RT: 14.598 min Scan# 2212

Delta R.T. -0.000 min

Lab File: VD075764.D

Acq: 20 Apr 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

VSTD005128

Tgt Ion:180 Resp: 29944

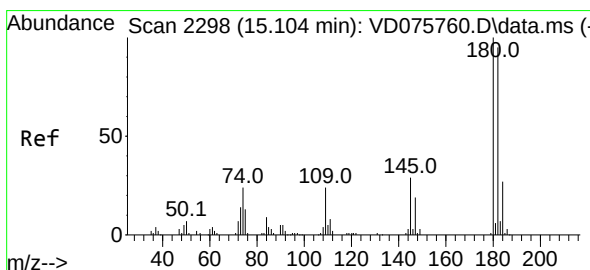
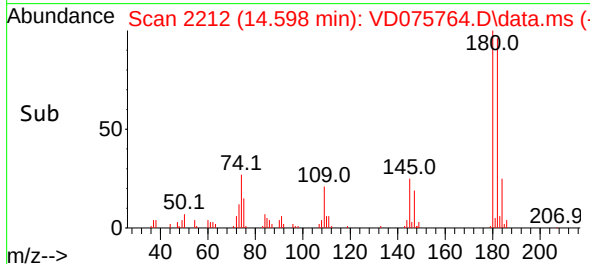
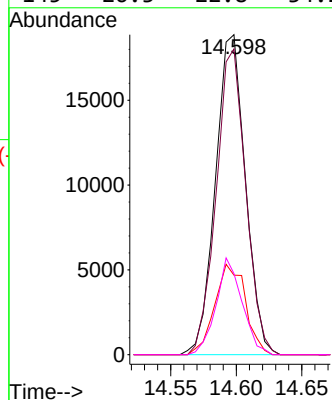
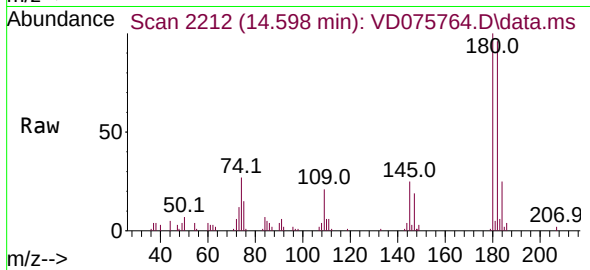
Ion Ratio Lower Upper

180 100

182 94.2 74.9 112.3

184 29.1 25.0 37.4

145 26.3 22.8 34.2



#70

1,2,4-trichlorobenzene

Concen: 4.186 ug/L

RT: 15.104 min Scan# 2298

Delta R.T. -0.000 min

Lab File: VD075764.D

Acq: 20 Apr 2023 14:25

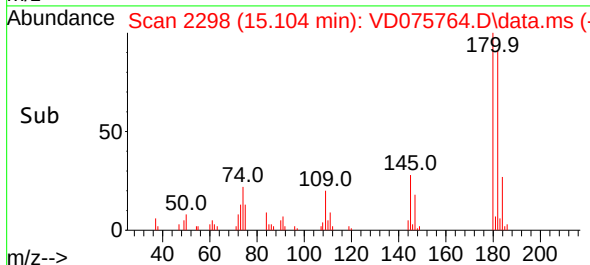
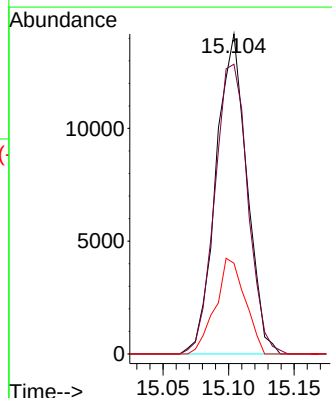
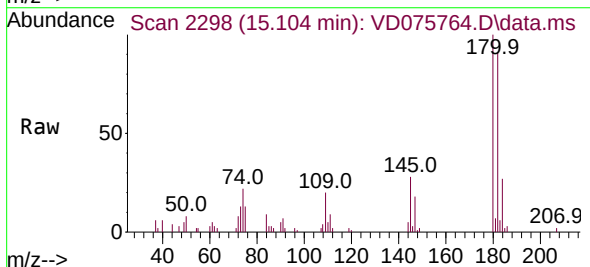
Tgt Ion:180 Resp: 23241

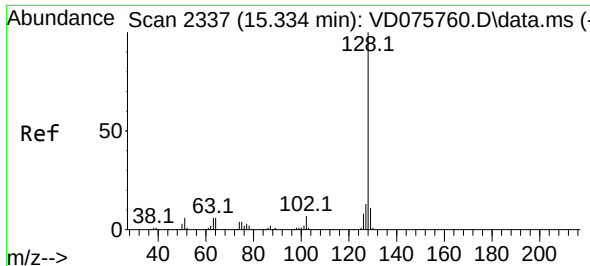
Ion Ratio Lower Upper

180 100

182 96.9 75.4 113.2

145 28.6 23.6 35.4

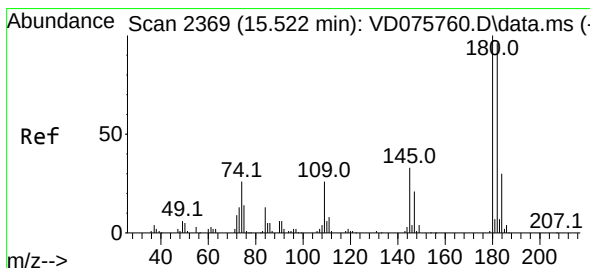
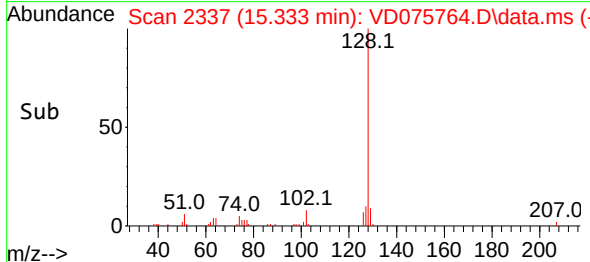
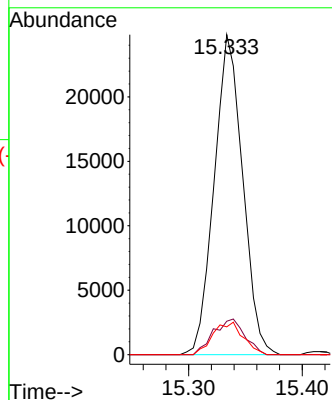
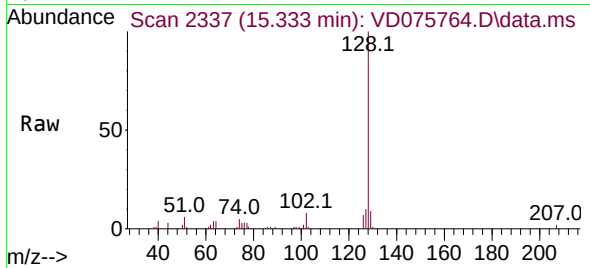




#71
Naphthalene
Concen: 4.257 ug/L
RT: 15.333 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

Instrument :
MSVOA_D
ClientSampleId :
VSTD005128

Tgt Ion:128 Resp: 43243
Ion Ratio Lower Upper
128 100
127 12.3 10.5 15.7
129 10.8 9.1 13.7



#72
1,2,3-Trichlorobenzene
Concen: 4.316 ug/L
RT: 15.528 min Scan# 2370
Delta R.T. 0.006 min
Lab File: VD075764.D
Acq: 20 Apr 2023 14:25

Tgt Ion:180 Resp: 21388
Ion Ratio Lower Upper
180 100
182 98.0 76.3 114.5
145 26.8 25.0 37.6

