

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050523\
 Data File : VD076016.D
 Acq On : 05 May 2023 10:02
 Operator : KP/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025150

Quant Time: May 06 00:18:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 05 00:35:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	363109	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	331201	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	175441	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	172238	21.623	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	86.480%		
7) Chloroethane-d5	2.799	69	153328	22.278	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	89.120%		
11) 1,1-Dichloroethene-d2	3.916	65	39679	21.606	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	86.440%		
21) 2-Butanone-d5	6.987	46	40515	58.588	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	117.180%		
24) Chloroform-d	7.569	84	214506	23.624	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	94.480%		
26) 1,2-Dichloroethane-d4	8.228	65	96628	24.919	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	99.680%		
32) Benzene-d6	8.198	84	446519	23.131	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	92.520%		
36) 1,2-Dichloropropane-d6	9.210	67	128497	24.049	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	96.200%		
41) Toluene-d8	10.269	98	415866	23.011	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	92.040%		
43) trans-1,3-Dichloroprop...	10.528	79	51182	23.175	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	92.680%		
47) 2-Hexanone-d5	10.875	63	36705	57.053	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	114.100%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	110463	27.017	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	108.080%		
66) 1,2-Dichlorobenzene-d4	13.816	152	135857	21.893	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	87.560%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	137814	27.531	ug/L	99
3) Chloromethane	2.146	50	194184	27.828	ug/L	100
5) Vinyl chloride	2.281	62	248986	27.301	ug/L	98
6) Bromomethane	2.693	94	137328	22.409	ug/L	94
8) Chloroethane	2.834	64	156776	26.580	ug/L	98
9) Trichlorofluoromethane	3.175	101	197299	26.925	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	137324	27.895	ug/L	98
12) 1,1-Dichloroethene	3.940	96	121042	25.353	ug/L	87
13) Acetone	4.022	43	35641	60.227	ug/L	97
14) Carbon disulfide	4.269	76	408316	24.486	ug/L	100
15) Methyl Acetate	4.563	43	38702	30.177	ug/L #	67
16) Methylene chloride	4.799	84	149115	20.243	ug/L	93
17) trans-1,2-Dichloroethene	5.316	96	131810	24.622	ug/L	94
18) Methyl tert-butyl Ether	5.316	73	212742	24.774	ug/L	97
19) 1,1-Dichloroethane	6.116	63	212914	27.149	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	139900	24.714	ug/L	93
22) 2-Butanone	7.081	43	47411	61.453	ug/L	95
23) Bromochloromethane	7.428	128	68010	25.906	ug/L #	91
25) Chloroform	7.593	83	231149	26.298	ug/L	100

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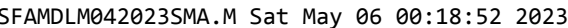
Instrument :
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 ClientSampleId :
 VSTD025150

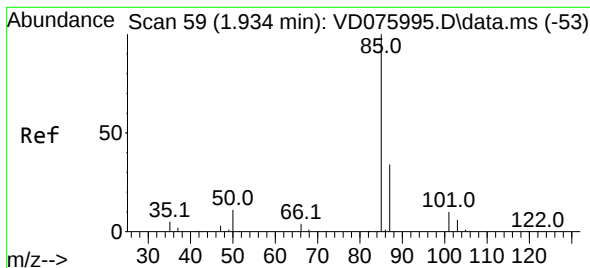
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 05 00:35:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	124753	27.497	ug/L	97
29) Cyclohexane	7.875	56	164197	28.960	ug/L	92
30) 1,1,1-Trichloroethane	7.792	97	185001	26.401	ug/L	98
31) Carbon tetrachloride	7.987	117	154040	27.400	ug/L	98
33) Benzene	8.245	78	535231	26.716	ug/L	100
34) Trichloroethene	9.028	95	132141	25.505	ug/L	94
35) Methylcyclohexane	9.275	83	221400	27.717	ug/L	98
37) 1,2-Dichloropropane	9.304	63	131469	28.568	ug/L	99
38) Bromodichloromethane	9.581	83	163380	26.330	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	190358	26.010	ug/L	97
40) 4-Methyl-2-pentanone	10.157	43	105790	63.051	ug/L	94
42) Toluene	10.334	91	587723	27.109	ug/L	97
44) trans-1,3-Dichloropropene	10.551	75	159678	27.159	ug/L	98
45) 1,1,2-Trichloroethane	10.733	97	101297	25.873	ug/L	95
46) Tetrachloroethene	10.810	164	115105	27.087	ug/L	96
48) 2-Hexanone	10.922	43	76905	65.017	ug/L	93
49) Dibromochloromethane	11.075	129	109532	25.699	ug/L	98
50) 1,2-Dibromoethane	11.181	107	92521	26.212	ug/L	95
51) Chlorobenzene	11.610	112	367418	25.905	ug/L	98
52) Ethylbenzene	11.686	91	595614	26.792	ug/L	99
53) m,p-Xylene	11.792	106	239969	27.108	ug/L	99
54) o-Xylene	12.122	106	224840	26.741	ug/L	96
55) Styrene	12.133	104	399747	27.316	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.675	83	109510	27.491	ug/L	99
59) Bromoform	12.298	173	67763	25.202	ug/L	98
60) Isopropylbenzene	12.422	105	578749	24.878	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	70741	25.668	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	434514	25.049	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	424825	25.406	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	276324	24.825	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	282382	24.173	ug/L	100
67) 1,2-Dichlorobenzene	13.833	146	245138	24.662	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	13911	25.249	ug/L	88
69) 1,3,5-Trichlorobenzene	14.592	180	168913	22.641	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	134130	21.695	ug/L	98
71) Naphthalene	15.333	128	250498	22.140	ug/L	99
72) 1,2,3-Trichlorobenzene	15.521	180	126288	22.883	ug/L	99

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

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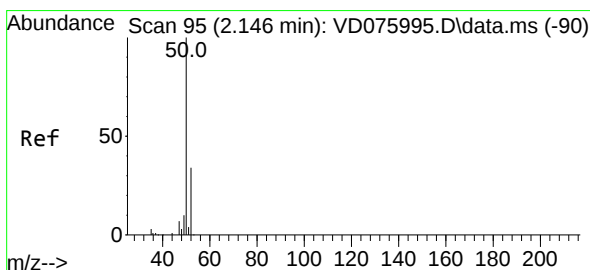
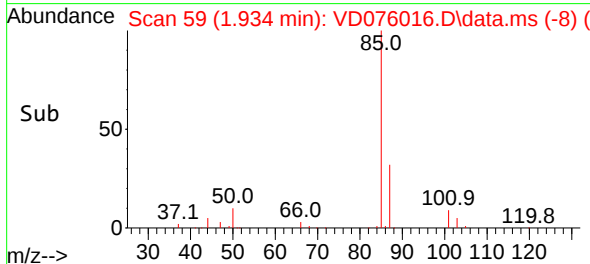
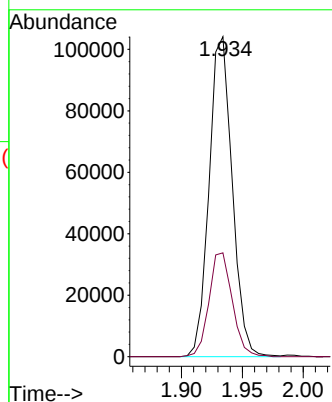
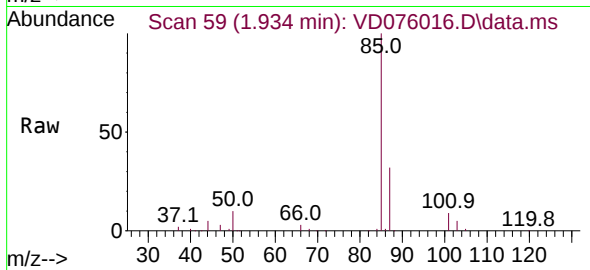




#2
 Dichlorodifluoromethane
 Concen: 27.531 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: VD076016.D
 Acq: 05 May 2023 10:02

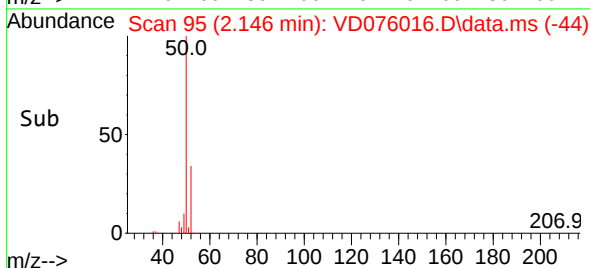
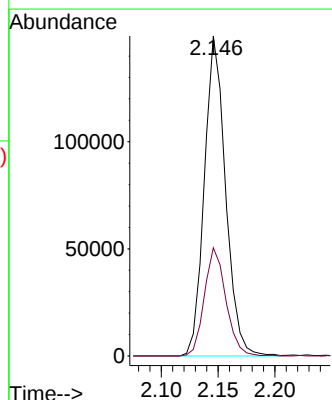
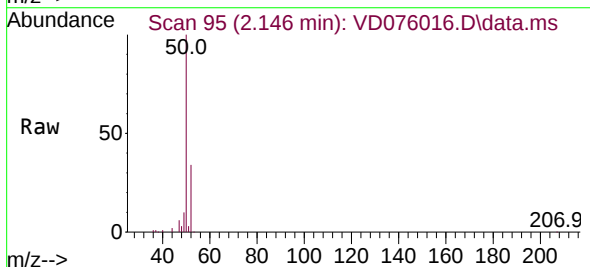
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025150

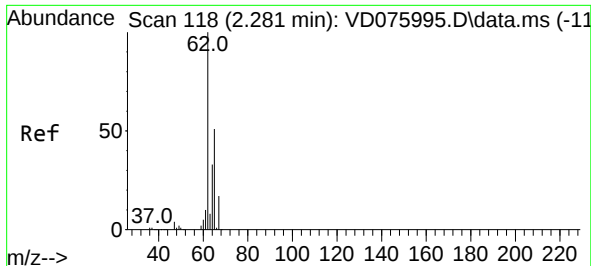
Tgt Ion: 85 Resp: 137814
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.8 38.8



#3
 Chloromethane
 Concen: 27.828 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. -0.000 min
 Lab File: VD076016.D
 Acq: 05 May 2023 10:02

Tgt Ion: 50 Resp: 194184
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.7 44.1

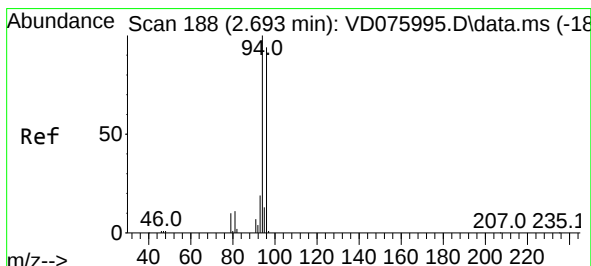
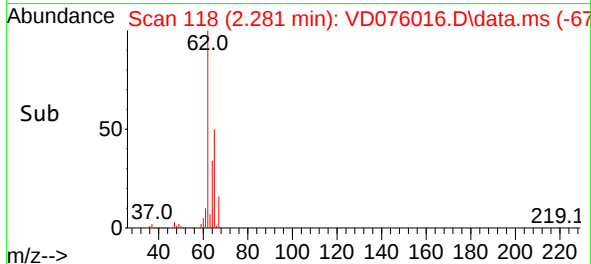
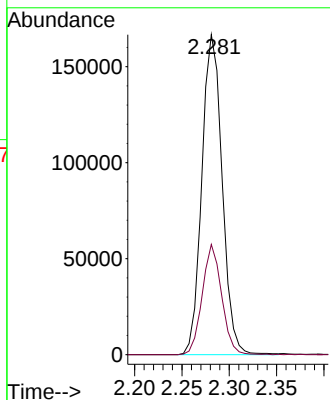
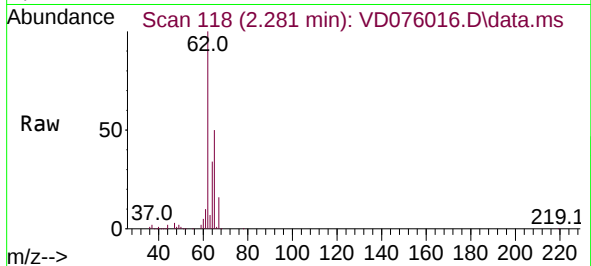




#5
 Vinyl chloride
 Concen: 27.301 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. -0.000 min
 Lab File: VD076016.D
 Acq: 05 May 2023 10:02

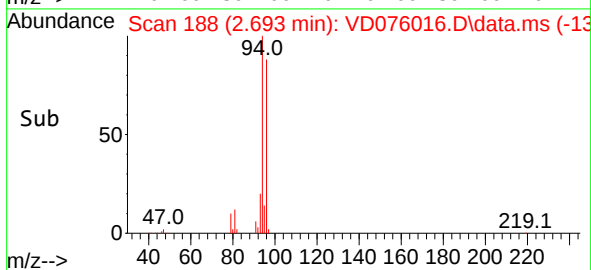
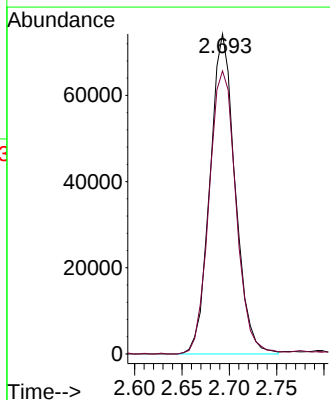
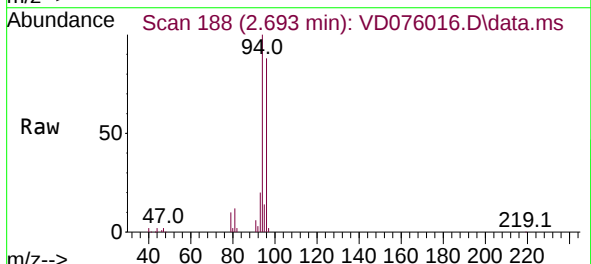
Instrument :
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 ClientSampleId :
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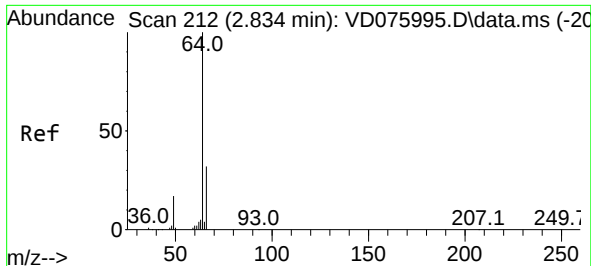
Tgt Ion: 62 Resp: 248986
 Ion Ratio Lower Upper
 62 100
 64 34.5 23.2 43.0



#6
 Bromomethane
 Concen: 22.409 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. -0.000 min
 Lab File: VD076016.D
 Acq: 05 May 2023 10:02

Tgt Ion: 94 Resp: 137328
 Ion Ratio Lower Upper
 94 100
 96 88.4 65.7 121.9

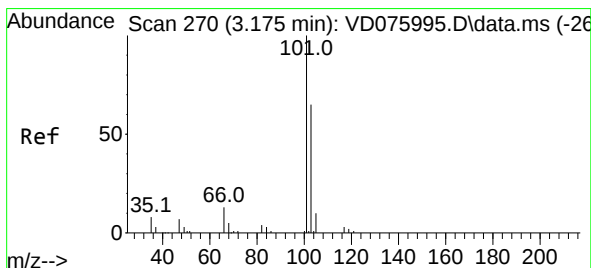
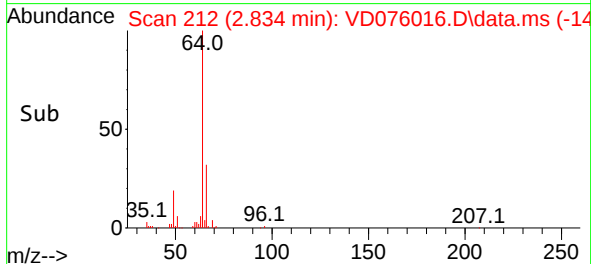
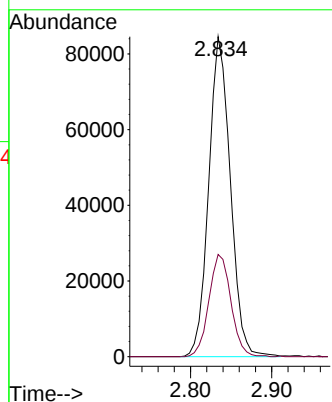
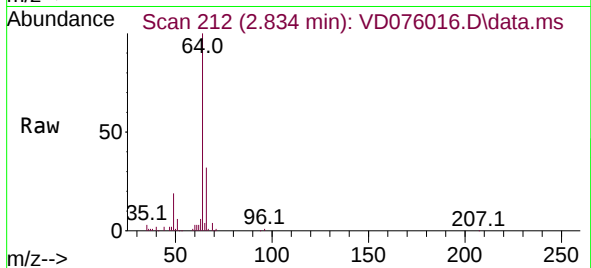




#8
Chloroethane
Concen: 26.580 ug/L
RT: 2.834 min Scan# 212
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

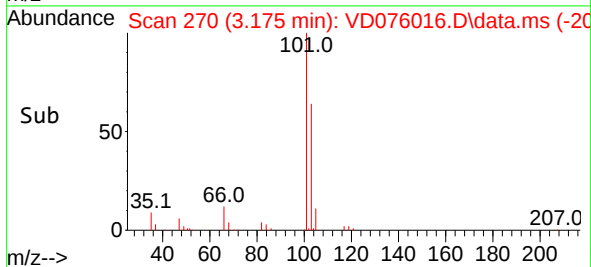
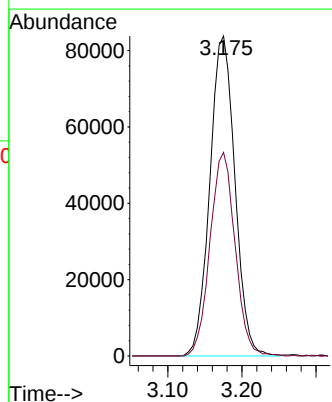
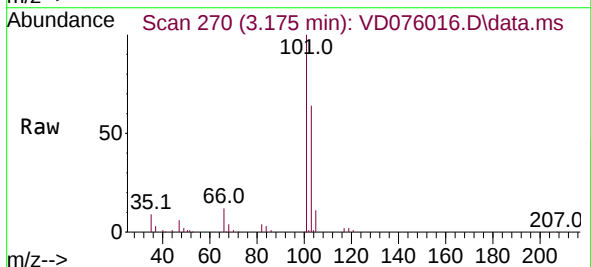
Instrument :
MSVOA_D
ClientSampleId :
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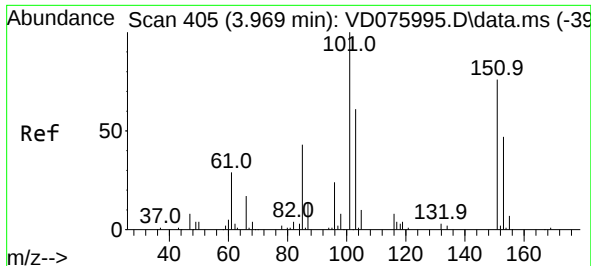
Tgt Ion: 64 Resp: 156776
Ion Ratio Lower Upper
64 100
66 32.0 21.8 40.4



#9
Trichlorofluoromethane
Concen: 26.925 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

Tgt Ion:101 Resp: 197299
Ion Ratio Lower Upper
101 100
103 63.5 52.2 78.4

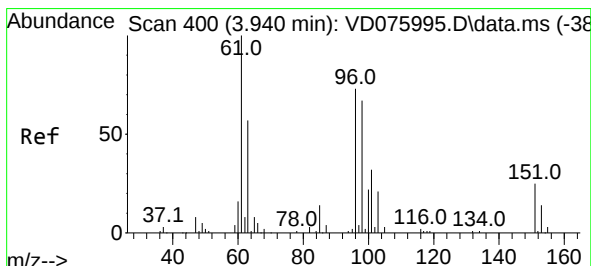
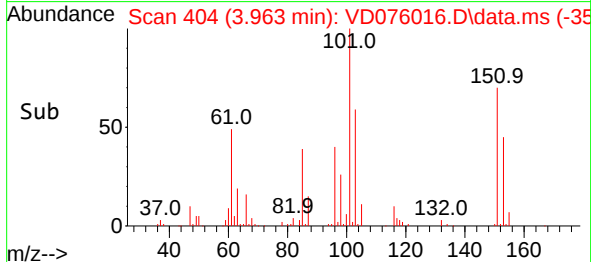
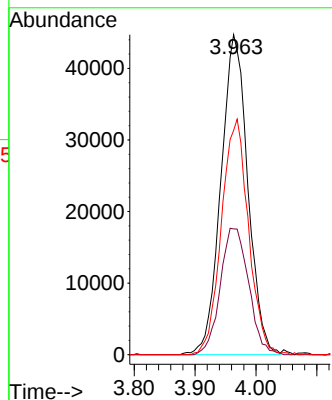
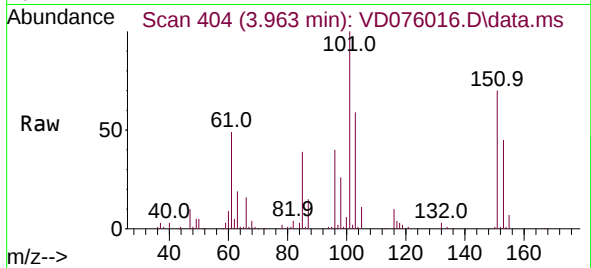




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 27.895 ug/L
 RT: 3.963 min Scan# 405
 Delta R.T. -0.006 min
 Lab File: VD076016.D
 Acq: 05 May 2023 10:02

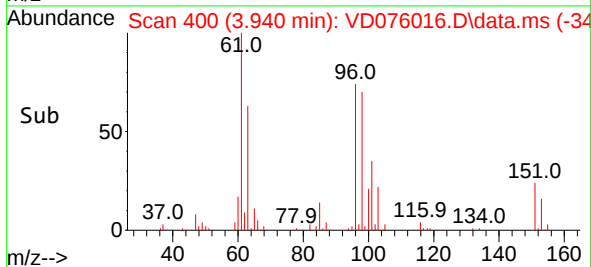
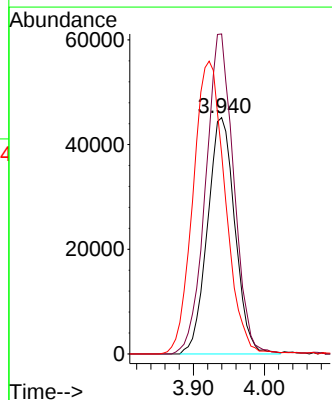
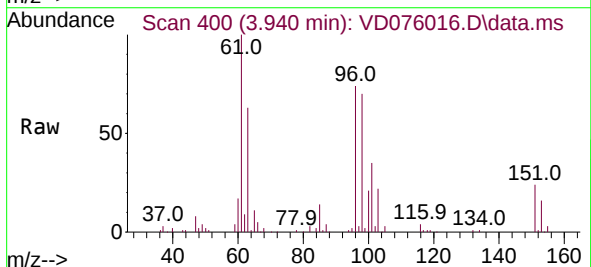
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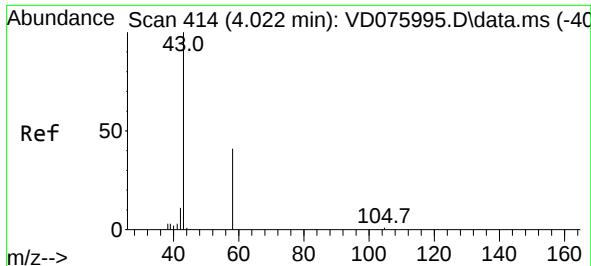
Tgt Ion:101 Resp: 137324
 Ion Ratio Lower Upper
 101 100
 85 41.6 32.9 49.3
 151 73.9 57.2 85.8



#12
 1,1-Dichloroethene
 Concen: 25.353 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VD076016.D
 Acq: 05 May 2023 10:02

Tgt Ion: 96 Resp: 121042
 Ion Ratio Lower Upper
 96 100
 61 135.4 92.6 172.0
 63 84.9 77.4 143.8





#13

Acetone

Concen: 60.227 ug/L

RT: 4.022 min Scan# 414

Delta R.T. -0.000 min

Lab File: VD076016.D

Acq: 05 May 2023 10:02

Instrument :

MSVOA_D

ClientSampleId :

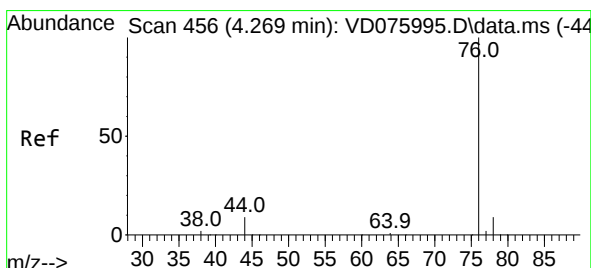
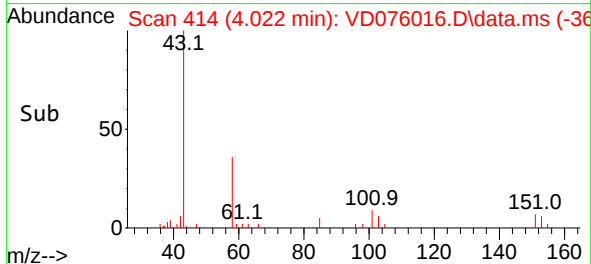
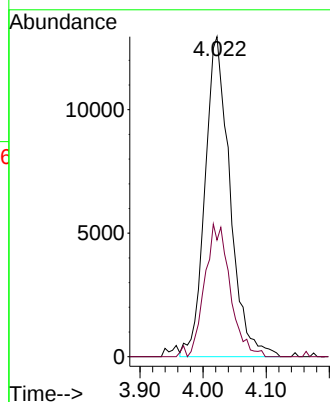
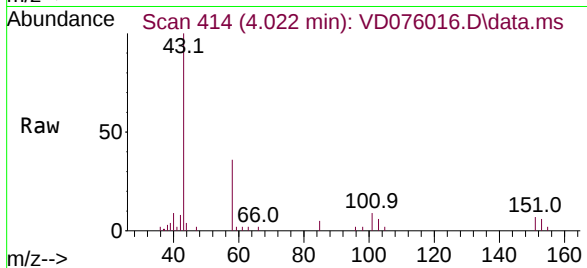
VSTD025150

Tgt Ion: 43 Resp: 35641

Ion Ratio Lower Upper

43 100

58 41.6 0.0 87.4



#14

Carbon disulfide

Concen: 24.486 ug/L

RT: 4.269 min Scan# 456

Delta R.T. -0.000 min

Lab File: VD076016.D

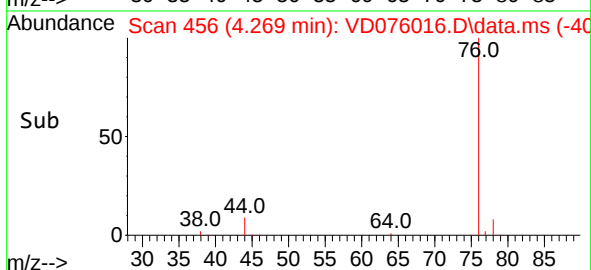
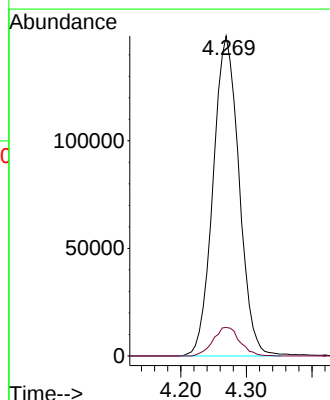
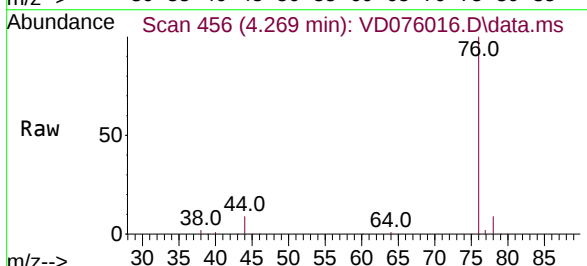
Acq: 05 May 2023 10:02

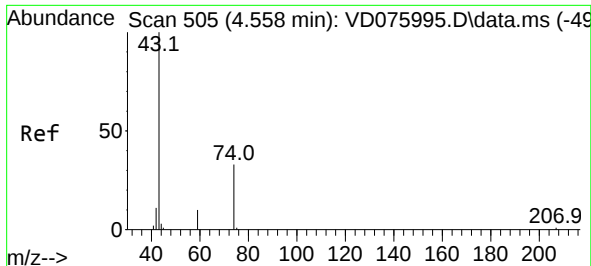
Tgt Ion: 76 Resp: 408316

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6

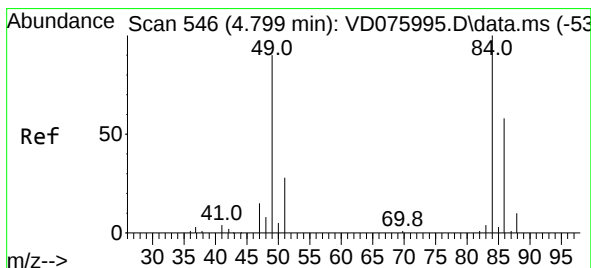
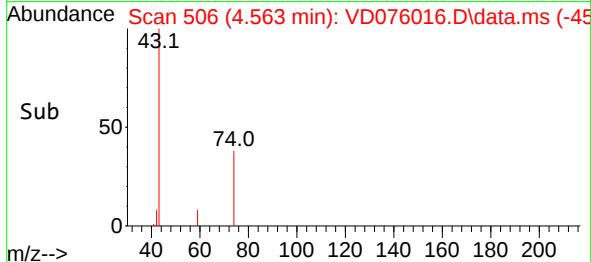
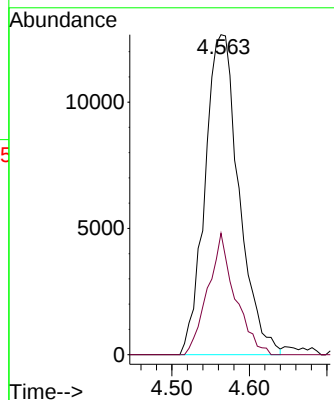
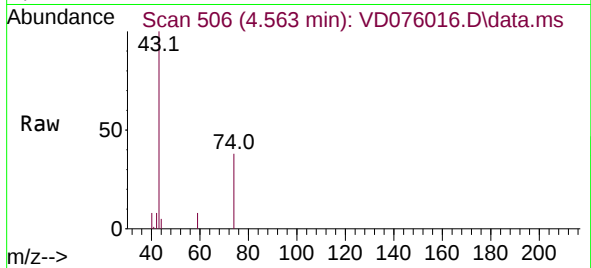




#15
Methyl Acetate
Concen: 30.177 ug/L
RT: 4.563 min Scan# 505
Delta R.T. 0.006 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

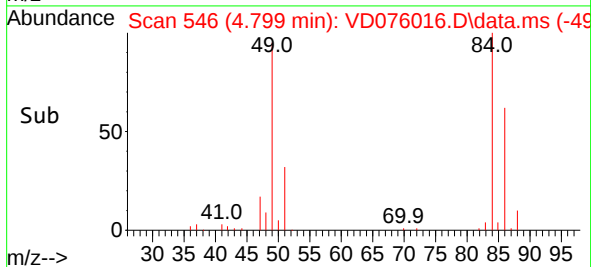
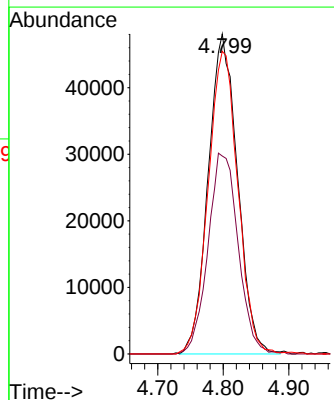
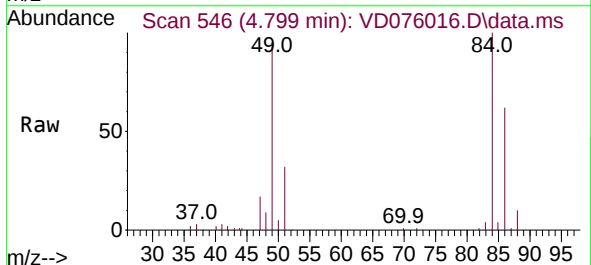
Instrument :
MSVOA_D
ClientSampleId :
VSTD025150

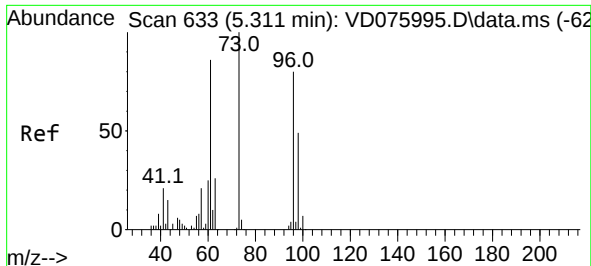
Tgt Ion: 43 Resp: 38702
Ion Ratio Lower Upper
43 100
74 30.1 12.8 19.2#



#16
Methylene chloride
Concen: 20.243 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

Tgt Ion: 84 Resp: 149115
Ion Ratio Lower Upper
84 100
86 61.9 45.8 85.2
49 94.6 60.8 112.8

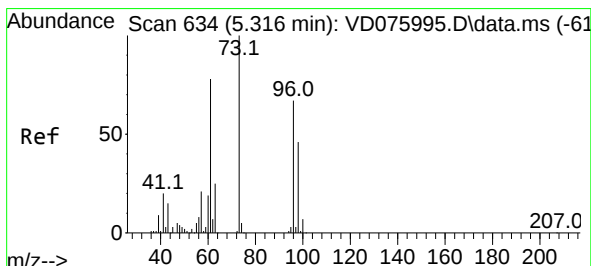
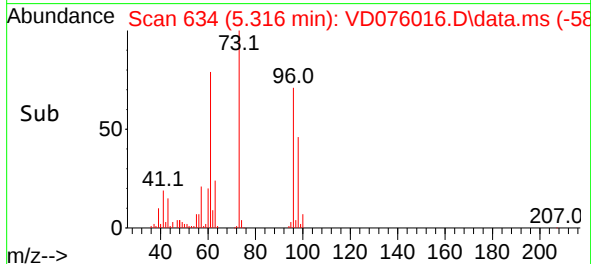
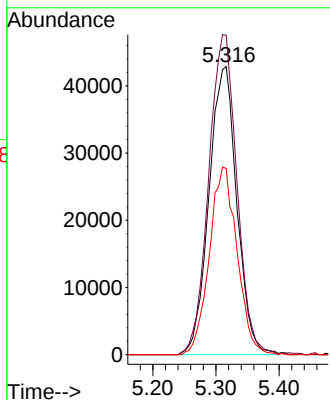
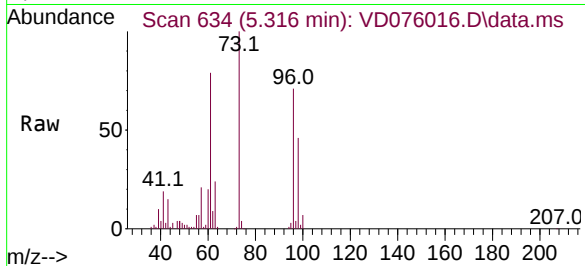




#17
trans-1,2-Dichloroethene
Concen: 24.622 ug/L
RT: 5.316 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

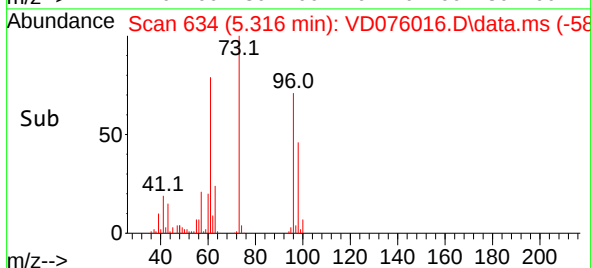
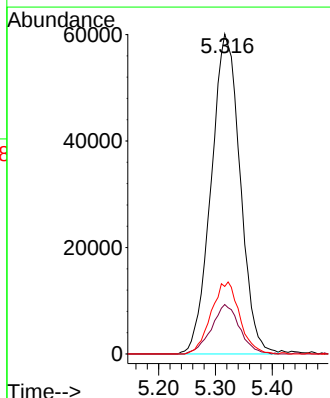
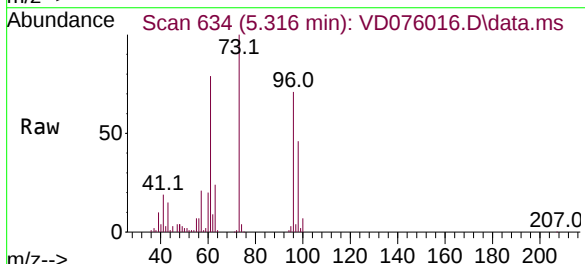
Instrument :
MSVOA_D
ClientSampleId :
VSTD025150

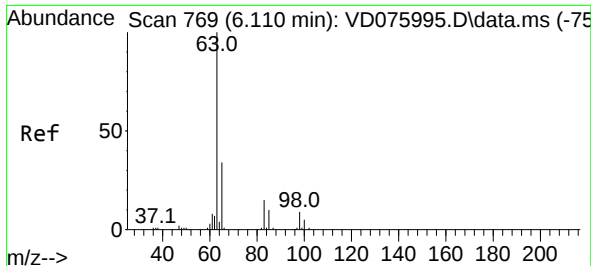
Tgt Ion: 96 Resp: 131810
Ion Ratio Lower Upper
96 100
61 110.8 72.9 135.5
98 64.6 43.0 79.8



#18
Methyl tert-butyl Ether
Concen: 24.774 ug/L
RT: 5.316 min Scan# 634
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

Tgt Ion: 73 Resp: 212742
Ion Ratio Lower Upper
73 100
43 15.0 11.3 16.9
57 22.1 16.3 24.5

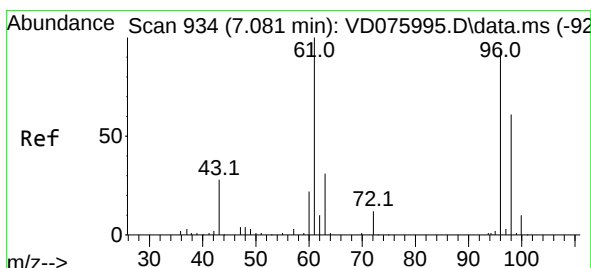
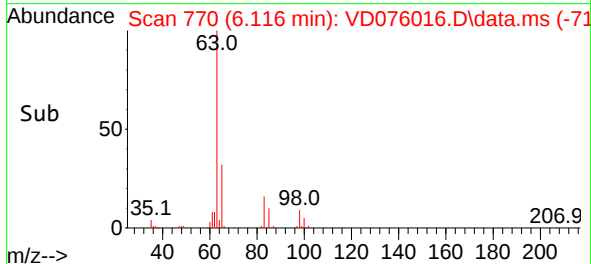
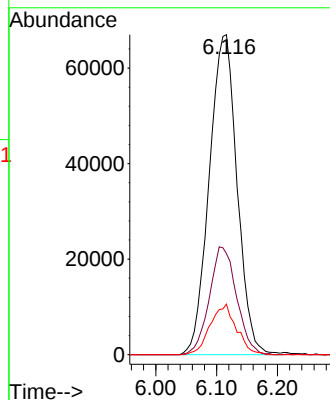
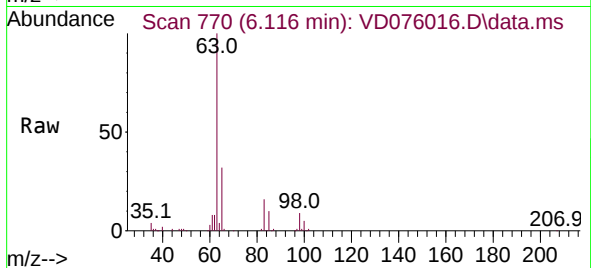




#19
1,1-Dichloroethane
Concen: 27.149 ug/L
RT: 6.116 min Scan# 71
Delta R.T. 0.006 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

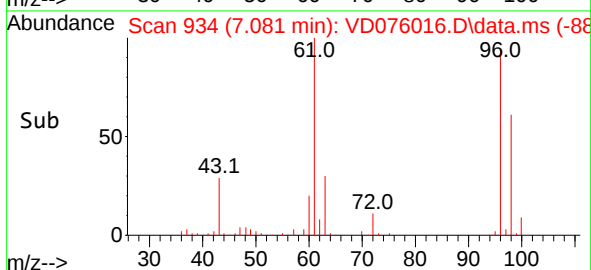
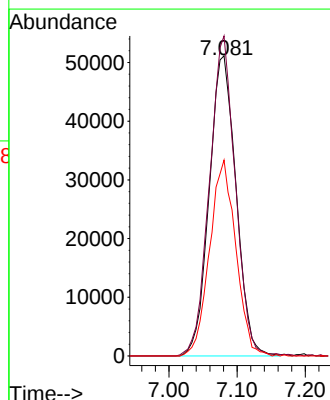
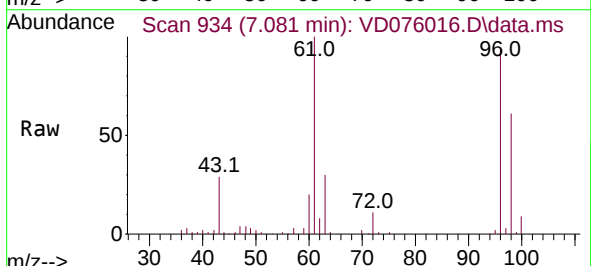
Instrument :
MSVOA_D
ClientSampleId :
VSTD025150

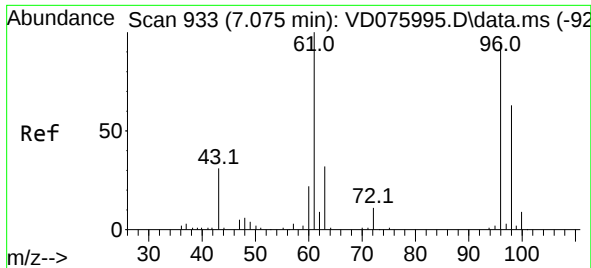
Tgt Ion: 63 Resp: 212914
Ion Ratio Lower Upper
63 100
65 31.6 22.8 42.4
83 15.8 11.2 20.8



#20
cis-1,2-Dichloroethene
Concen: 24.714 ug/L
RT: 7.081 min Scan# 934
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

Tgt Ion: 96 Resp: 139900
Ion Ratio Lower Upper
96 100
61 106.6 67.5 125.3
98 65.3 47.5 88.1

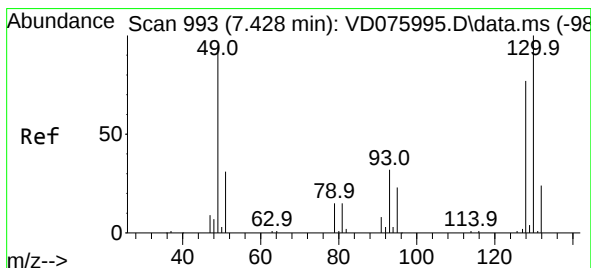
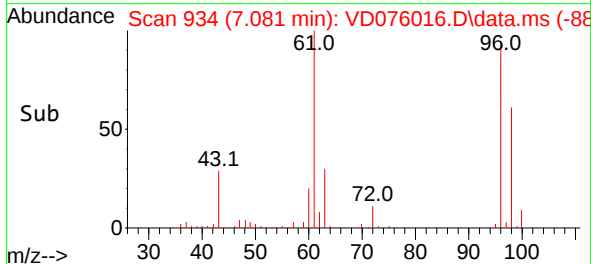
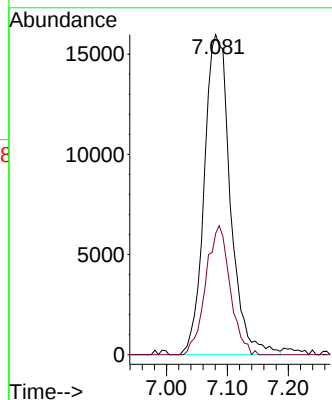
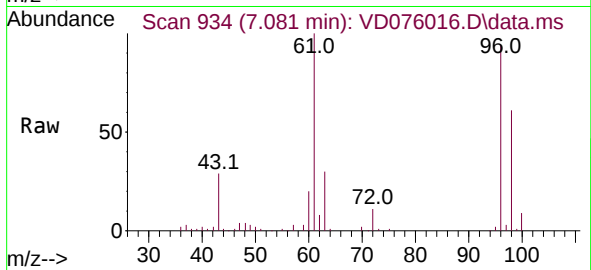




#22
2-Butanone
Concen: 61.453 ug/L
RT: 7.081 min Scan# 911
Delta R.T. 0.006 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

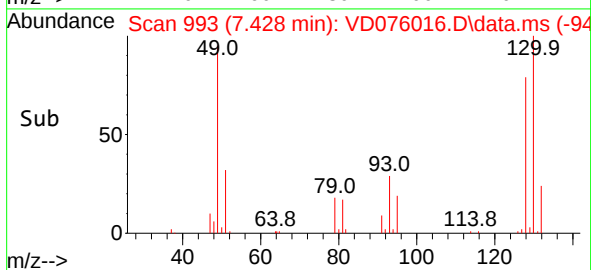
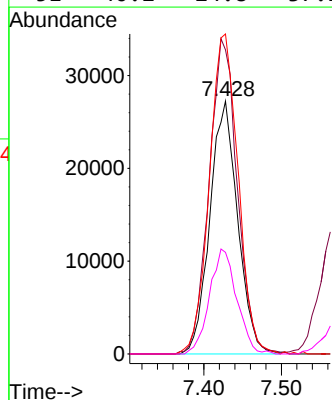
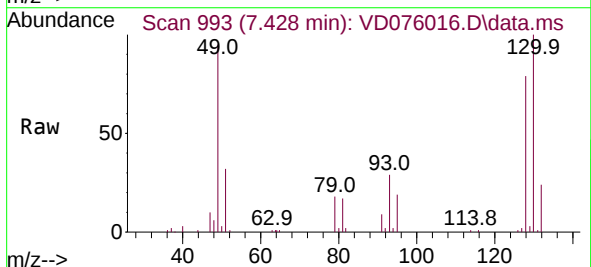
Instrument :
MSVOA_D
ClientSampleId :
VSTD025150

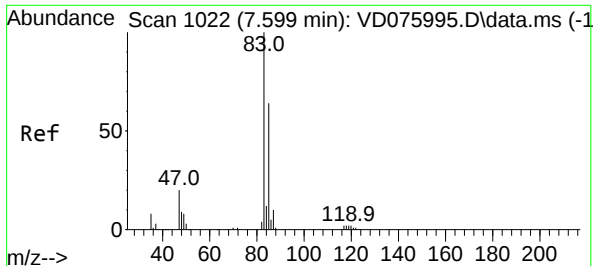
Tgt Ion: 43 Resp: 47411
Ion Ratio Lower Upper
43 100
72 37.7 20.5 61.5



#23
Bromochloromethane
Concen: 25.906 ug/L
RT: 7.428 min Scan# 993
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

Tgt Ion:128 Resp: 68010
Ion Ratio Lower Upper
128 100
49 120.4 76.4 142.0
130 126.6 93.5 173.7
51 40.2 24.8 37.2#





#25

Chloroform

Concen: 26.298 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD076016.D

Acq: 05 May 2023 10:02

Instrument :

MSVOA_D

ClientSampleId :

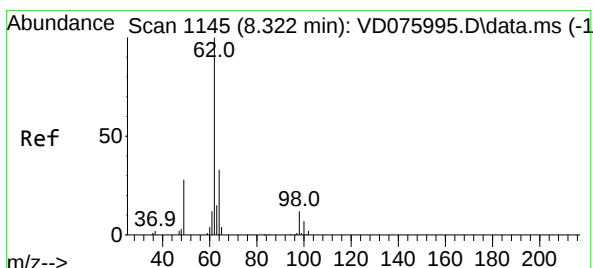
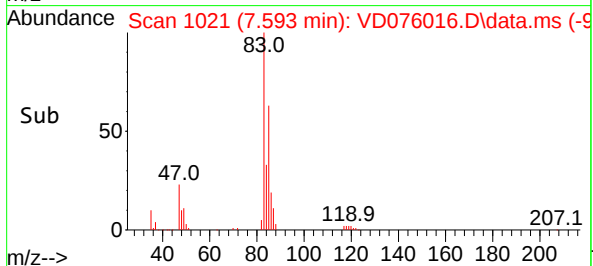
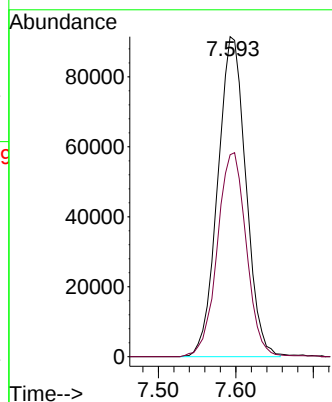
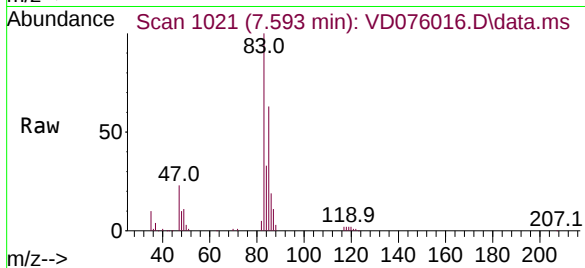
VSTD025150

Tgt Ion: 83 Resp: 231149

Ion Ratio Lower Upper

83 100

85 63.1 44.4 82.5



#27

1,2-Dichloroethane

Concen: 27.497 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VD076016.D

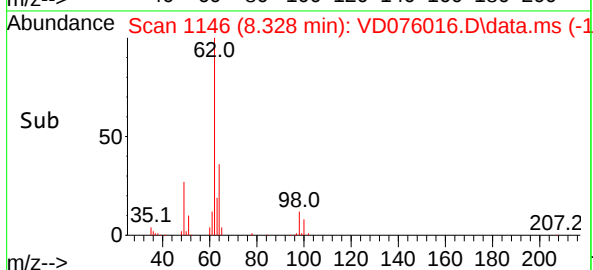
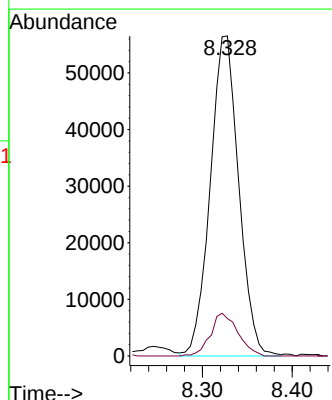
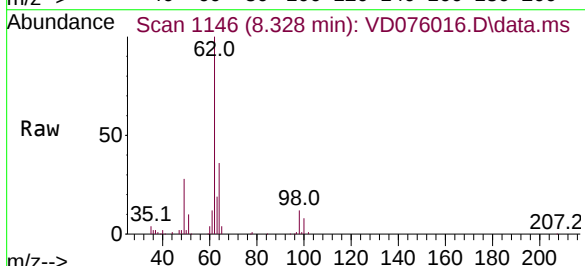
Acq: 05 May 2023 10:02

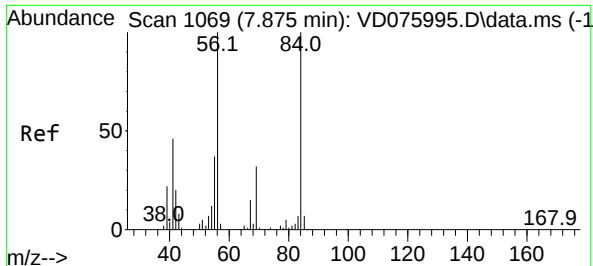
Tgt Ion: 62 Resp: 124753

Ion Ratio Lower Upper

62 100

98 11.7 10.2 15.2





#29

Cyclohexane

Concen: 28.960 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD076016.D

Acq: 05 May 2023 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTD025150

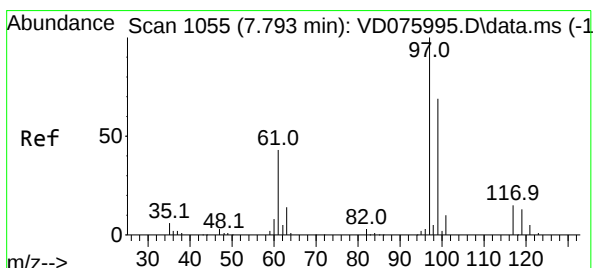
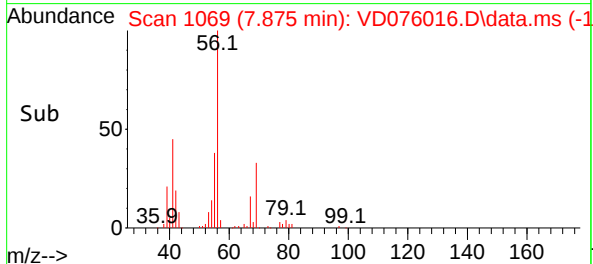
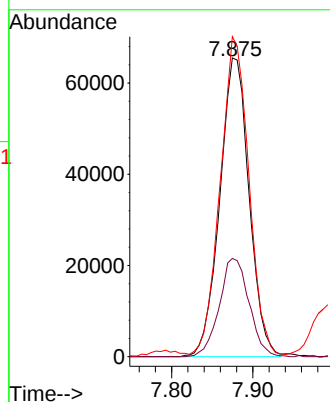
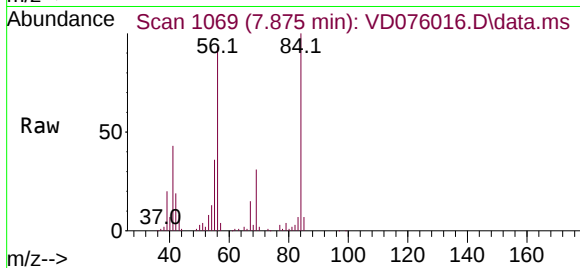
Tgt Ion: 56 Resp: 164197

Ion Ratio Lower Upper

56 100

69 33.3 28.2 42.2

84 105.5 92.4 138.6



#30

1,1,1-Trichloroethane

Concen: 26.401 ug/L

RT: 7.792 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD076016.D

Acq: 05 May 2023 10:02

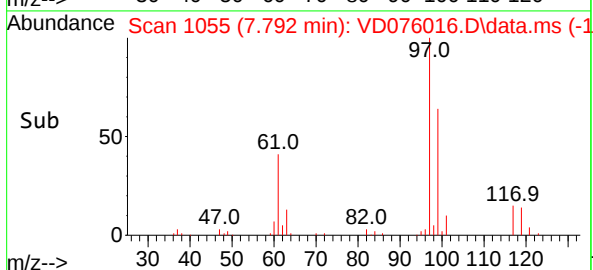
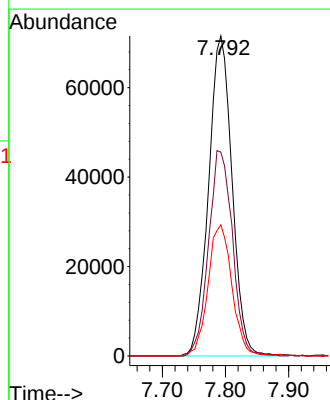
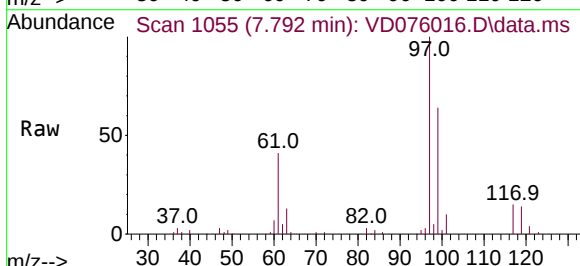
Tgt Ion: 97 Resp: 185001

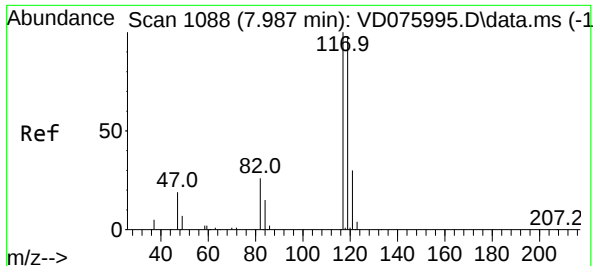
Ion Ratio Lower Upper

97 100

99 65.3 51.5 77.3

61 41.6 32.1 48.1

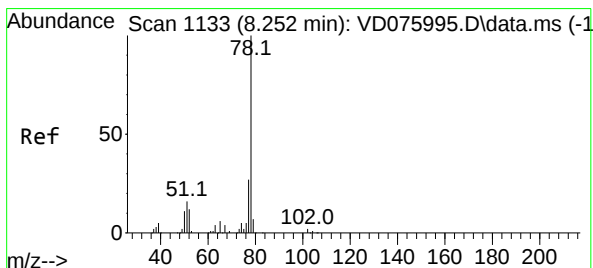
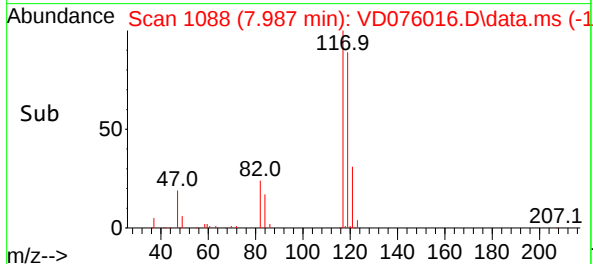
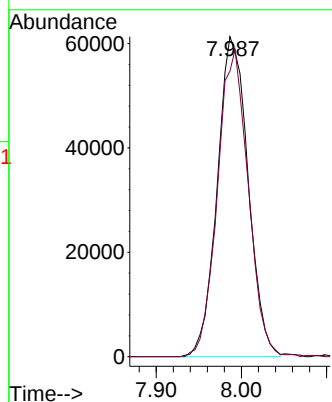
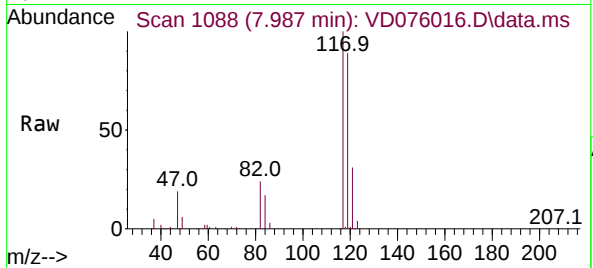




#31
Carbon tetrachloride
Concen: 27.400 ug/L
RT: 7.987 min Scan# 110
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

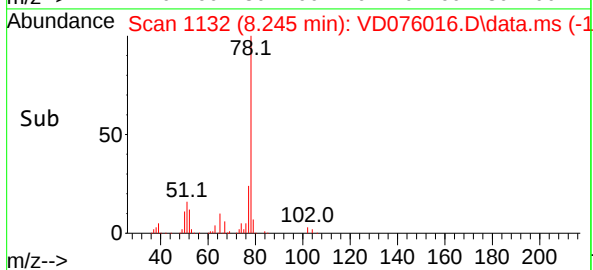
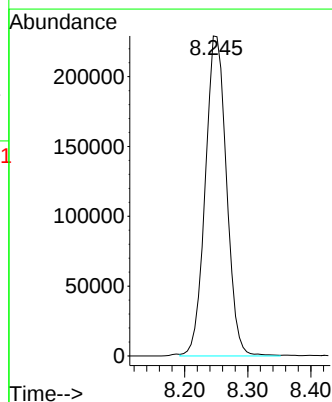
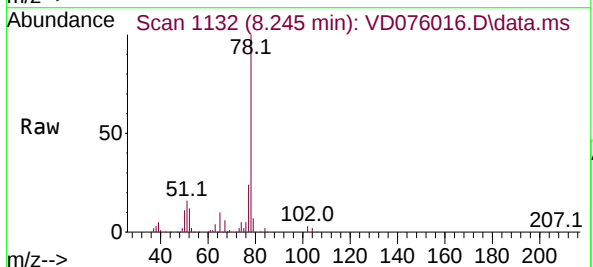
Instrument :
MSVOA_D
ClientSampleId :
VSTD025150

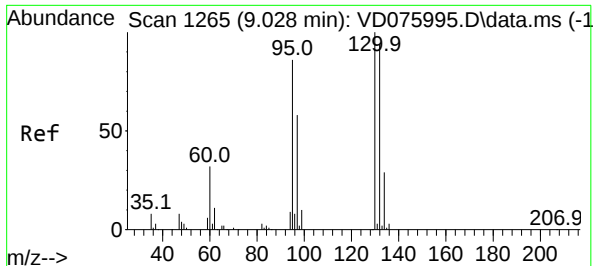
Tgt Ion:117 Resp: 154040
Ion Ratio Lower Upper
117 100
119 95.4 78.2 117.4



#33
Benzene
Concen: 26.716 ug/L
RT: 8.245 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

Tgt Ion: 78 Resp: 535231

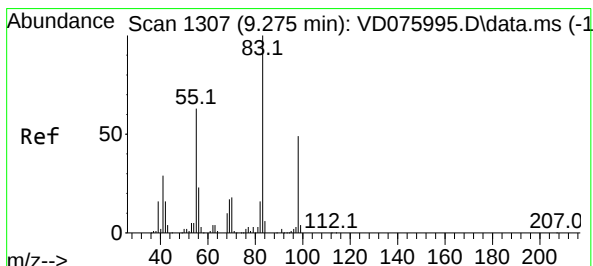
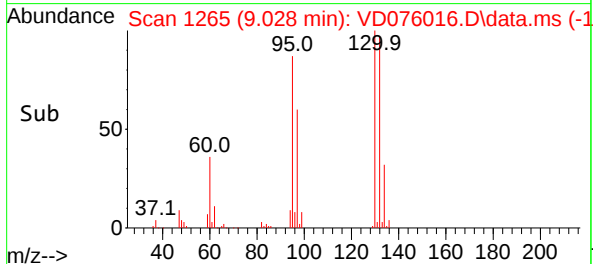
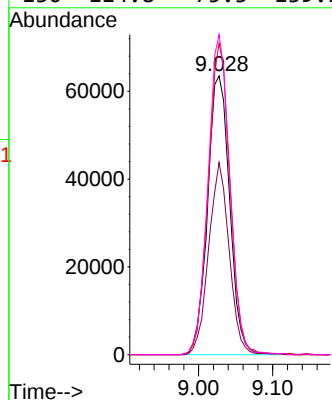
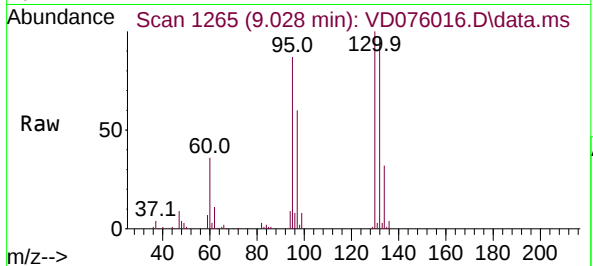




#34
Trichloroethene
Concen: 25.505 ug/L
RT: 9.028 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

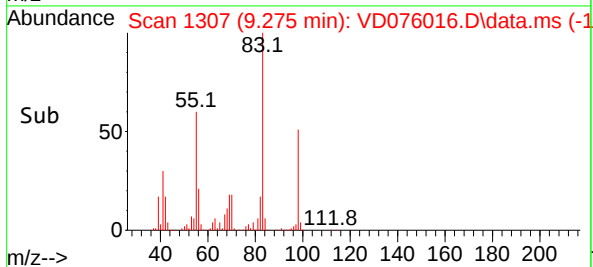
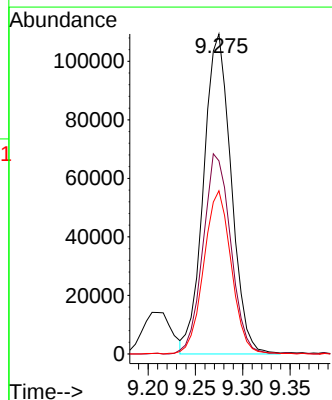
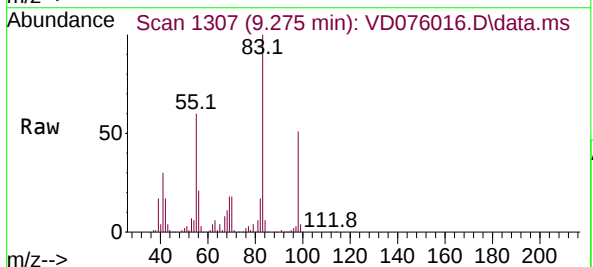
Instrument :
MSVOA_D
ClientSampleId :
VSTD025150

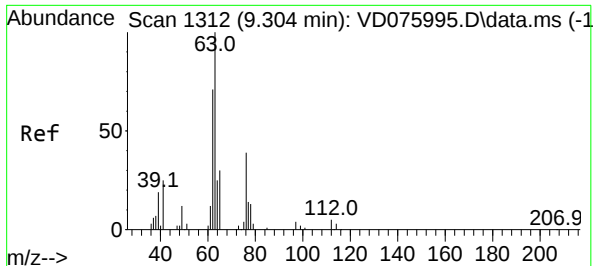
Tgt Ion: 95 Resp: 132141
Ion Ratio Lower Upper
95 100
97 68.9 46.0 85.4
132 111.6 73.3 136.1
130 114.8 75.3 139.9



#35
Methylcyclohexane
Concen: 27.717 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

Tgt Ion: 83 Resp: 221400
Ion Ratio Lower Upper
83 100
55 63.0 48.2 72.2
98 50.9 40.8 61.2

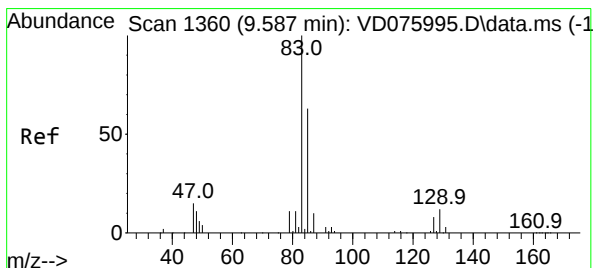
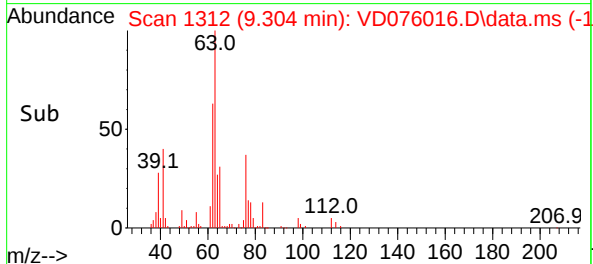
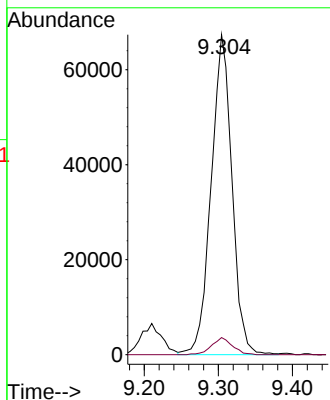
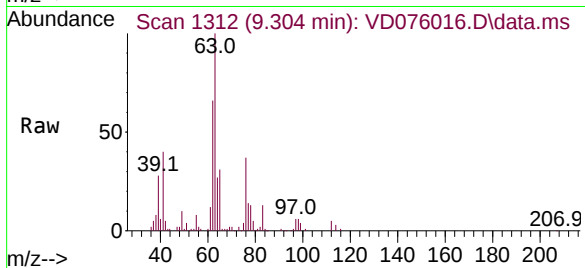




#37
1,2-Dichloropropane
Concen: 28.568 ug/L
RT: 9.304 min Scan# 1312
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

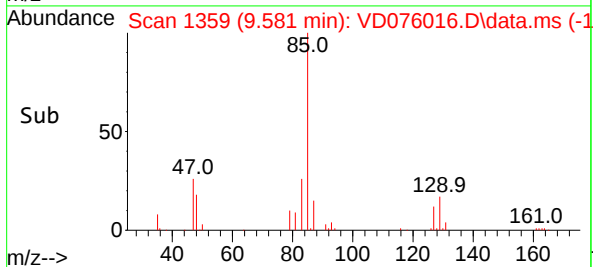
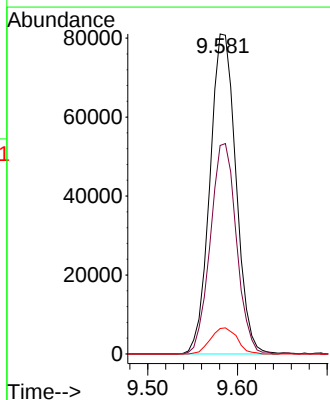
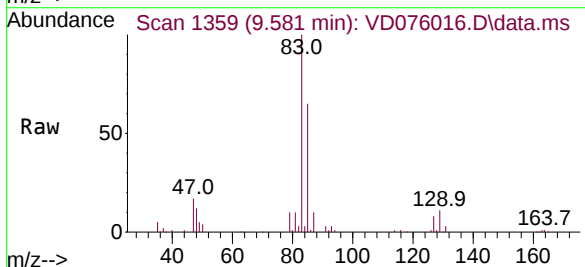
Instrument :
MSVOA_D
ClientSampleId :
VSTD025150

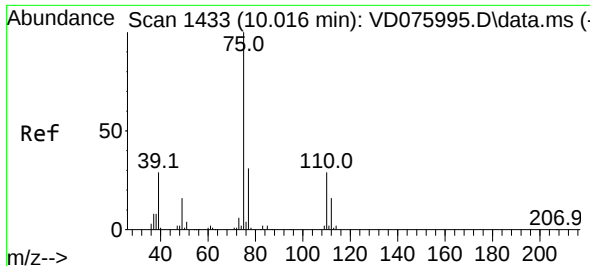
Tgt Ion: 63 Resp: 131469
Ion Ratio Lower Upper
63 100
112 5.3 4.0 6.0



#38
Bromodichloromethane
Concen: 26.330 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. -0.006 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

Tgt Ion: 83 Resp: 163380
Ion Ratio Lower Upper
83 100
85 65.2 44.2 82.2
127 7.9 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 26.010 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. -0.000 min

Lab File: VD076016.D

Acq: 05 May 2023 10:02

Instrument :

MSVOA_D

ClientSampleId :

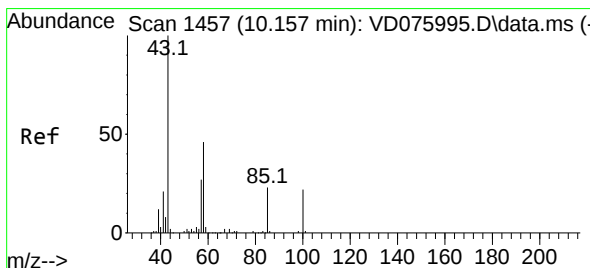
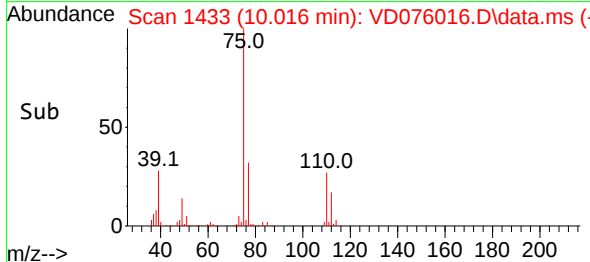
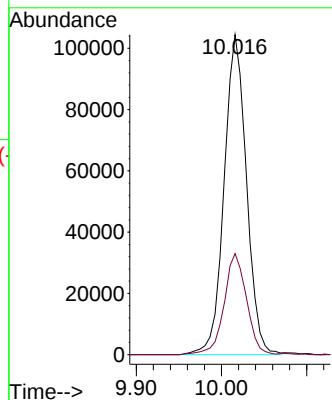
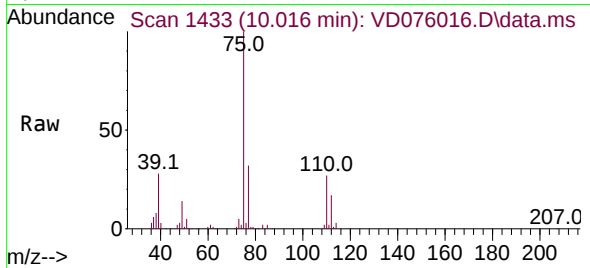
VSTD025150

Tgt Ion: 75 Resp: 190358

Ion Ratio Lower Upper

75 100

77 31.6 23.4 43.6



#40

4-Methyl-2-pentanone

Concen: 63.051 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VD076016.D

Acq: 05 May 2023 10:02

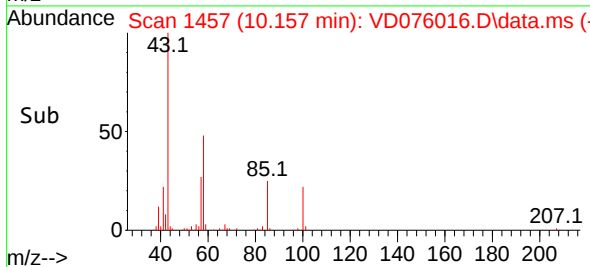
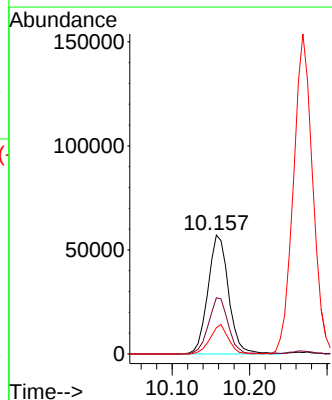
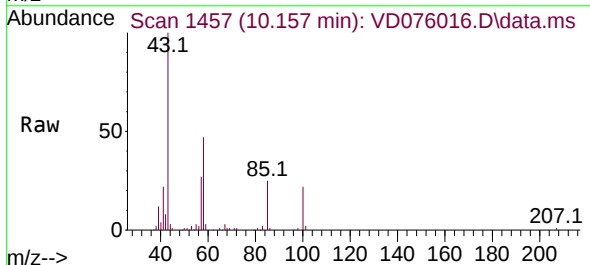
Tgt Ion: 43 Resp: 105790

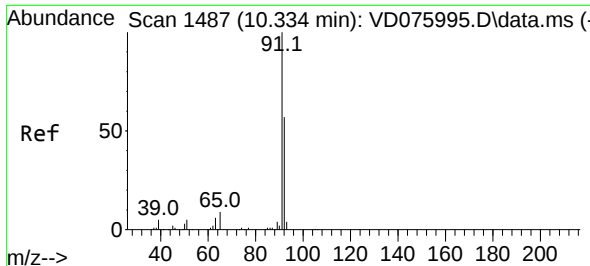
Ion Ratio Lower Upper

43 100

58 44.9 39.1 58.7

100 21.7 19.4 29.0





#42

Toluene

Concen: 27.109 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD076016.D

Acq: 05 May 2023 10:02

Instrument :

MSVOA_D

ClientSampleId :

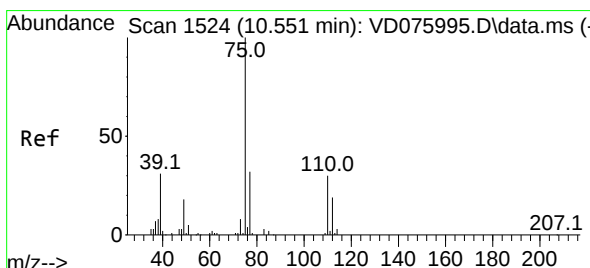
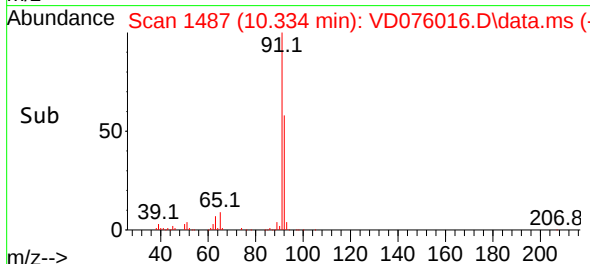
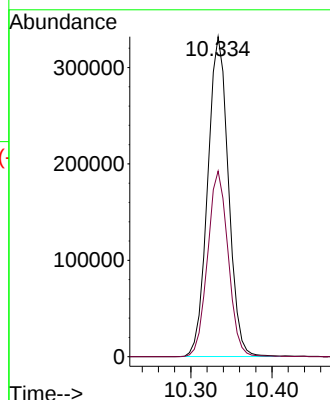
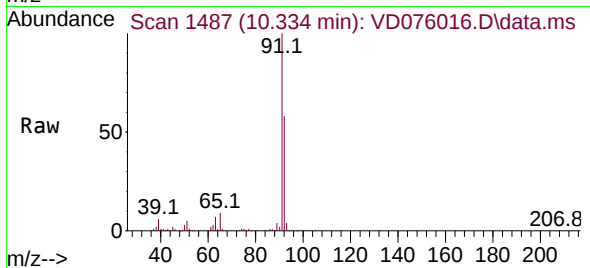
VSTD025150

Tgt Ion: 91 Resp: 587723

Ion Ratio Lower Upper

91 100

92 58.0 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 27.159 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. -0.000 min

Lab File: VD076016.D

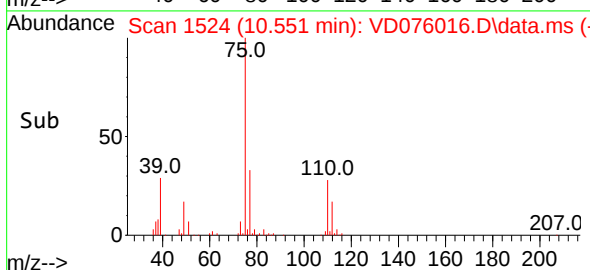
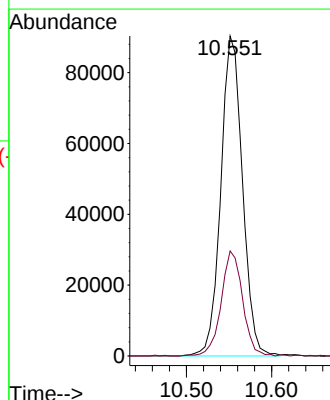
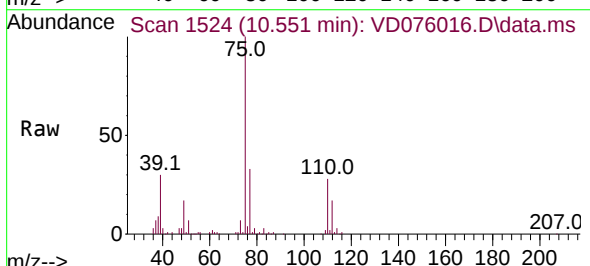
Acq: 05 May 2023 10:02

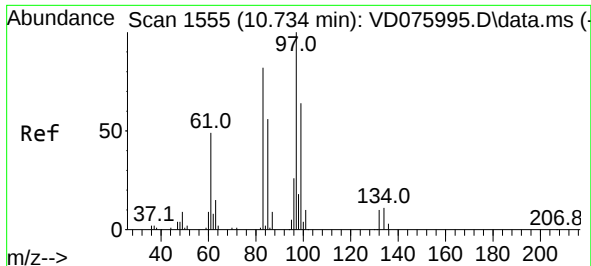
Tgt Ion: 75 Resp: 159678

Ion Ratio Lower Upper

75 100

77 32.8 22.0 41.0



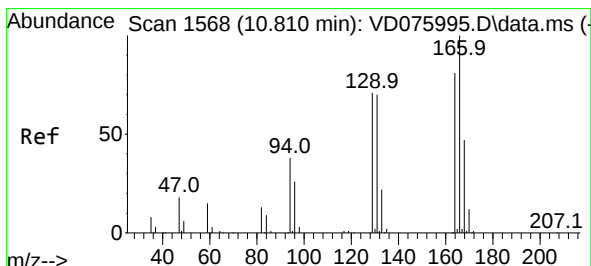
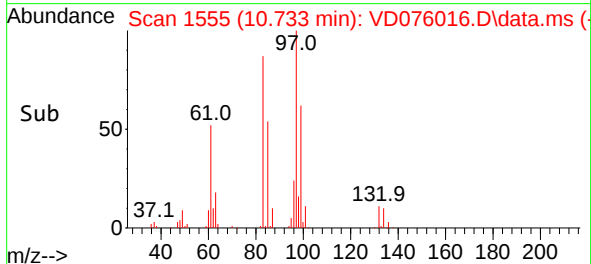
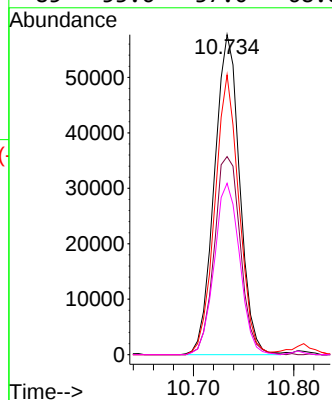
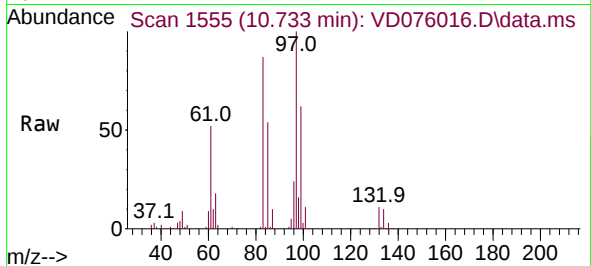


#45
1,1,2-Trichloroethane
Concen: 25.873 ug/L
RT: 10.733 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

Instrument :
MSVOA_D
ClientSampleId :
VSTD025150

Tgt Ion: 97 Resp: 101297

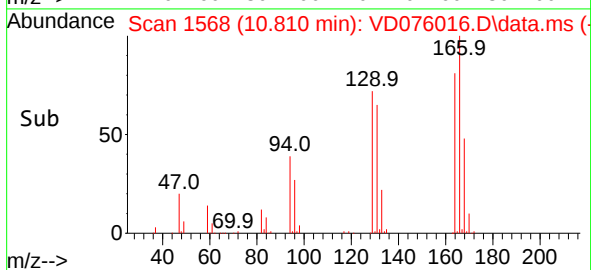
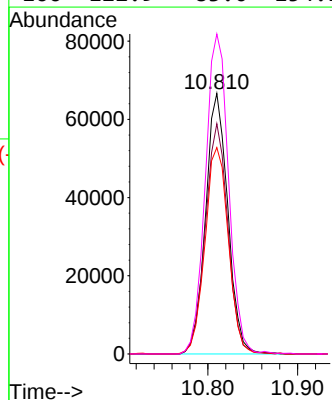
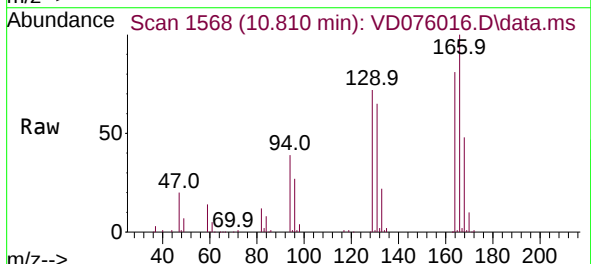
Ion	Ratio	Lower	Upper
97	100		
99	61.9	42.2	78.4
83	87.5	54.8	101.8
85	53.6	37.0	68.8

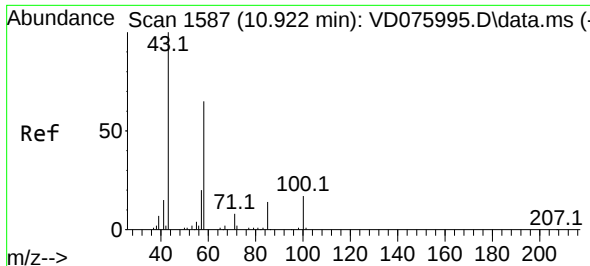


#46
Tetrachloroethene
Concen: 27.087 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

Tgt Ion: 164 Resp: 115105

Ion	Ratio	Lower	Upper
164	100		
129	88.4	60.3	112.1
131	79.3	58.9	109.3
166	122.9	83.0	154.1

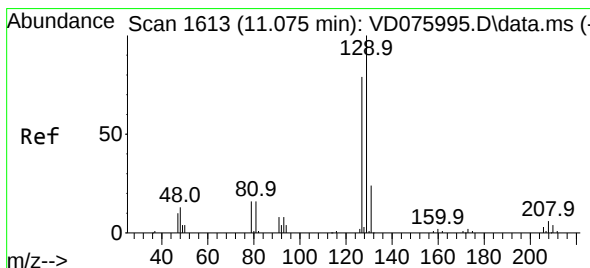
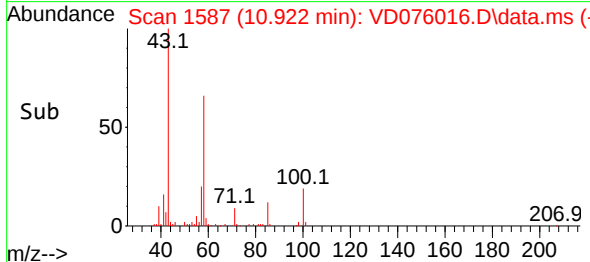
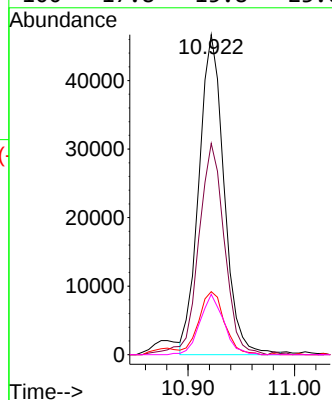
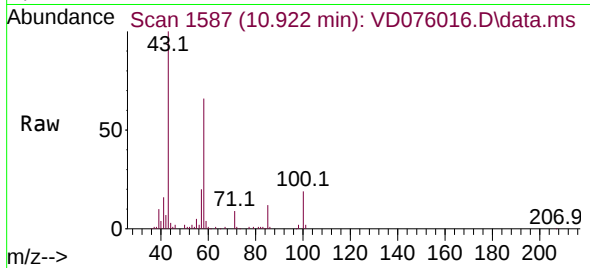




#48
2-Hexanone
Concen: 65.017 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

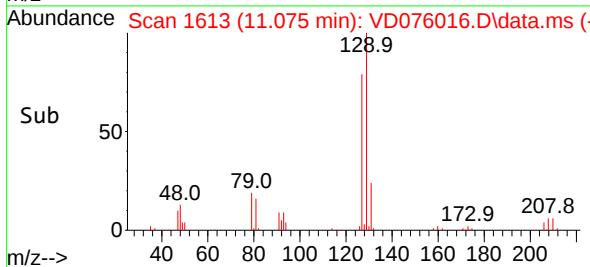
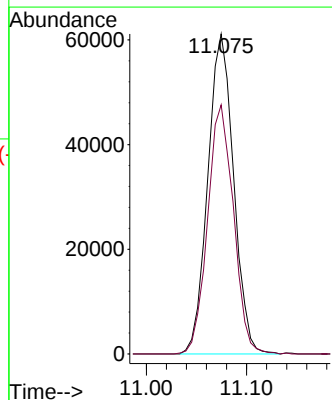
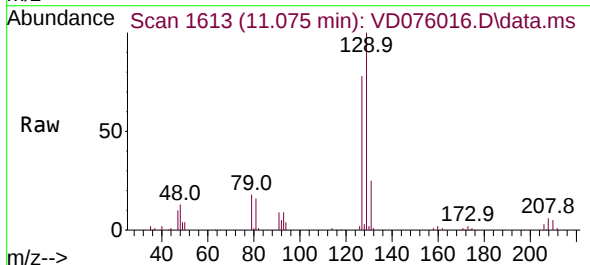
Instrument :
MSVOA_D
ClientSampleId :
VSTD025150

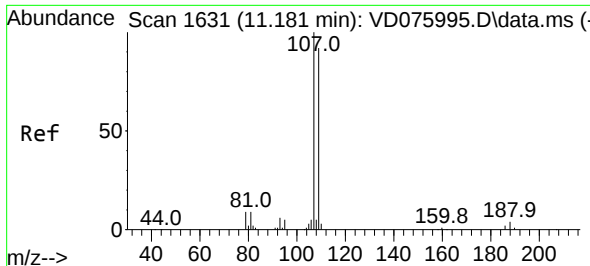
Tgt Ion:	43	Resp:	76905
Ion	Ratio	Lower	Upper
43	100		
58	67.4	59.7	89.5
57	20.1	17.9	26.9
100	17.8	15.8	23.6



#49
Dibromochloromethane
Concen: 25.699 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

Tgt Ion:	129	Resp:	109532
Ion	Ratio	Lower	Upper
129	100		
127	77.8	55.6	103.4

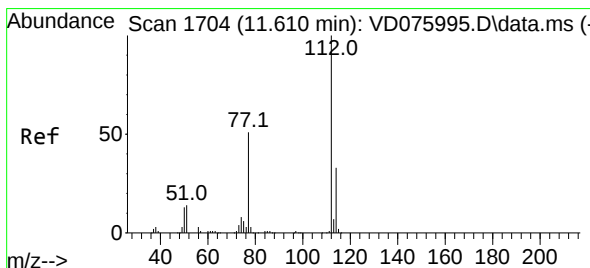
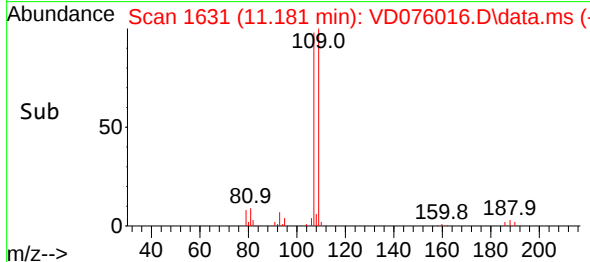
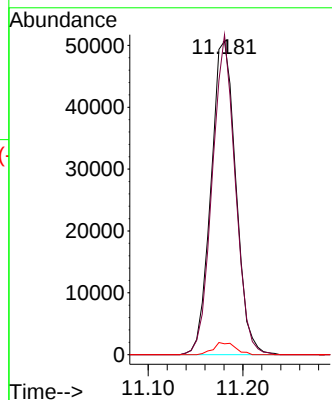
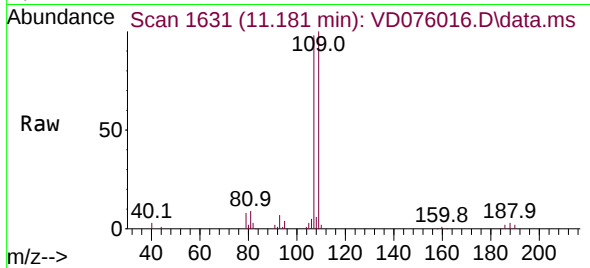




#50
1,2-Dibromoethane
Concen: 26.212 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

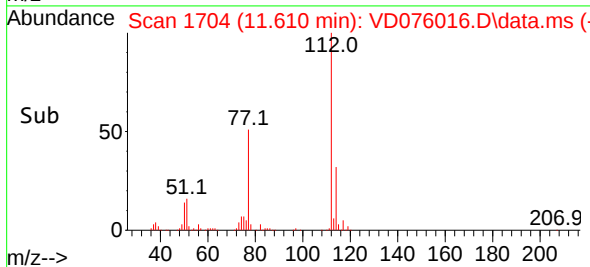
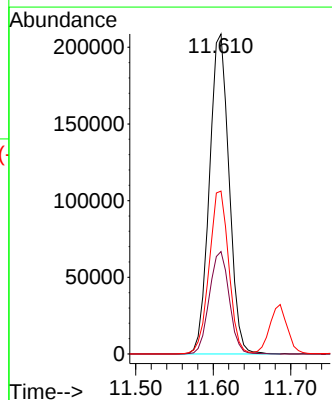
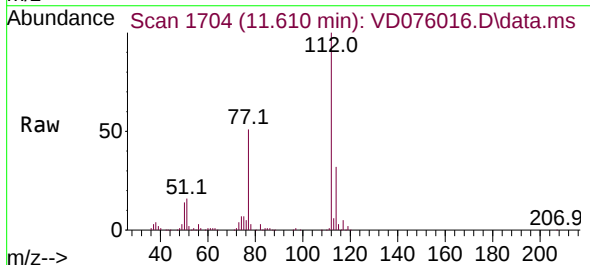
Instrument :
MSVOA_D
ClientSampleId :
VSTD025150

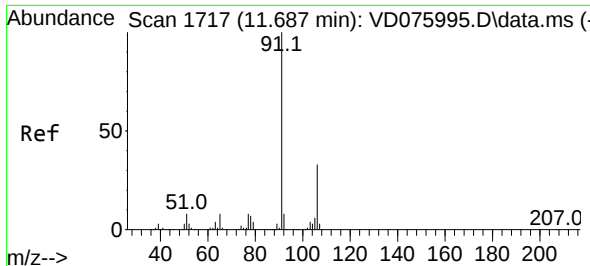
Tgt Ion:107	Resp:	92521
Ion Ratio	Lower	Upper
107	100	
109	102.1	67.6 125.6
188	3.5	3.0 4.6



#51
Chlorobenzene
Concen: 25.905 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

Tgt Ion:112	Resp:	367418
Ion Ratio	Lower	Upper
112	100	
114	32.0	23.0 42.8
77	50.9	39.7 59.5

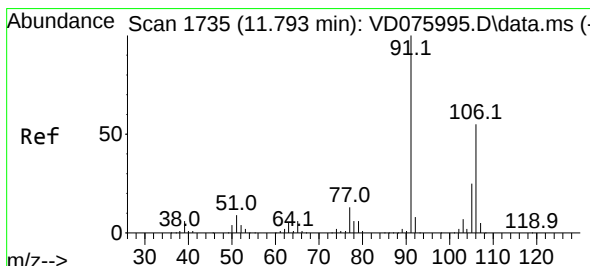
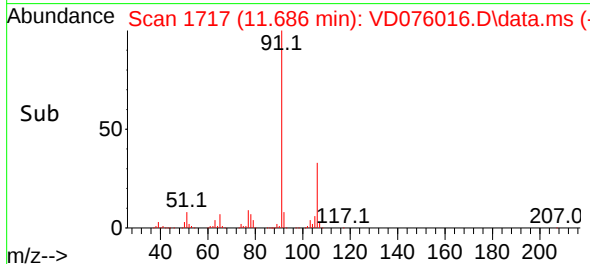
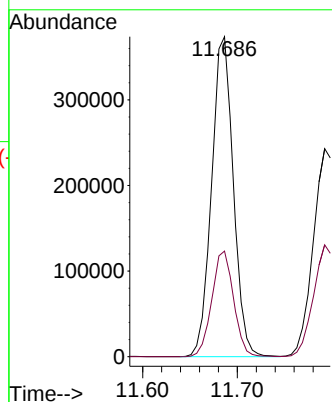
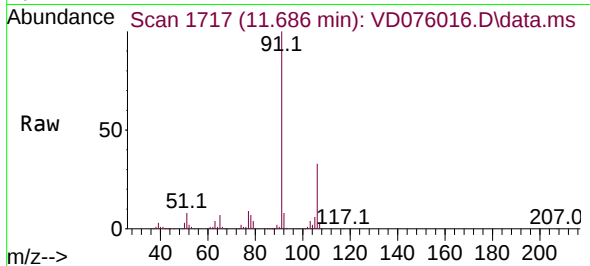




#52
Ethylbenzene
Concen: 26.792 ug/L
RT: 11.686 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

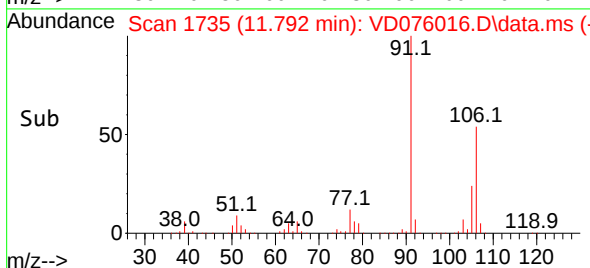
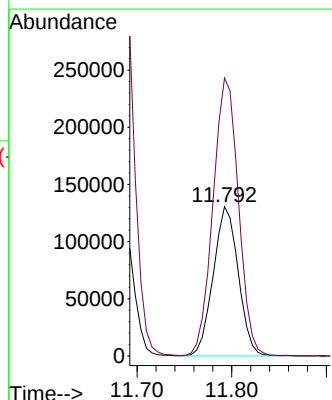
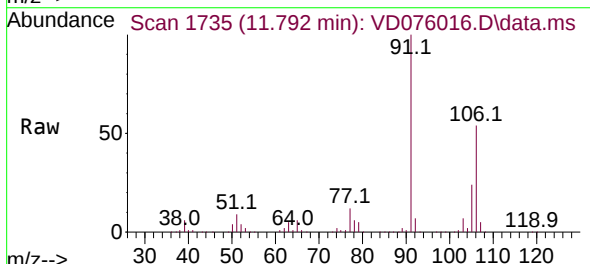
Instrument :
MSVOA_D
ClientSampleId :
VSTD025150

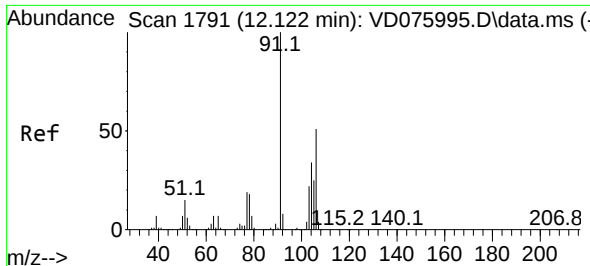
Tgt Ion: 91 Resp: 595614
Ion Ratio Lower Upper
91 100
106 33.0 23.7 43.9



#53
m,p-Xylene
Concen: 27.108 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

Tgt Ion: 106 Resp: 239969
Ion Ratio Lower Upper
106 100
91 186.0 130.9 243.1

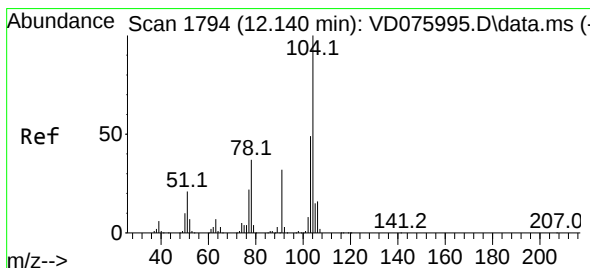
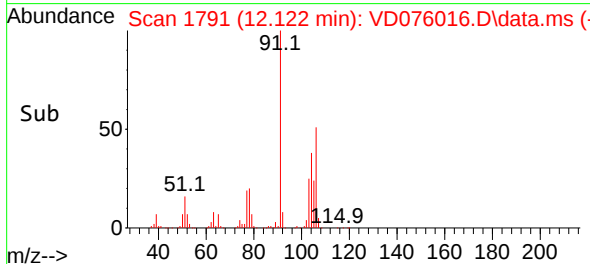
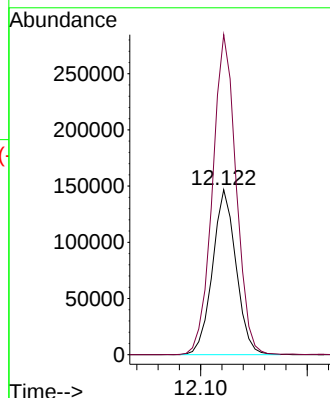
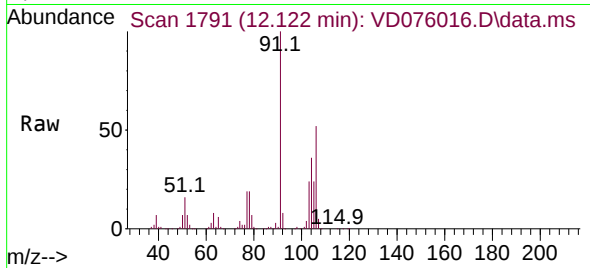




#54
o-Xylene
Concen: 26.741 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

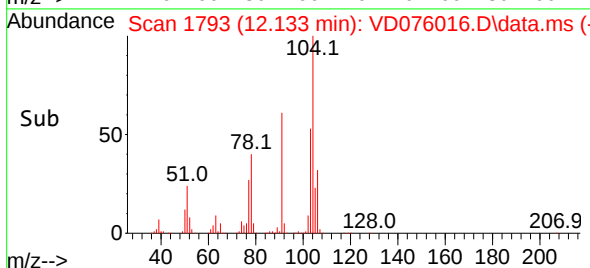
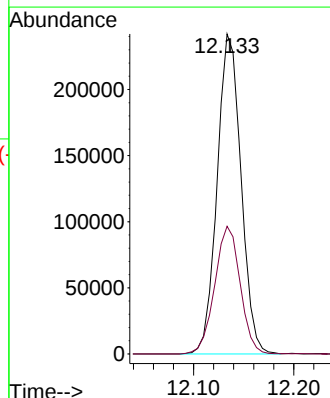
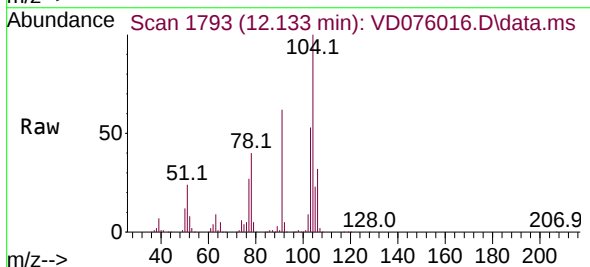
Instrument :
MSVOA_D
ClientSampleId :
VSTD025150

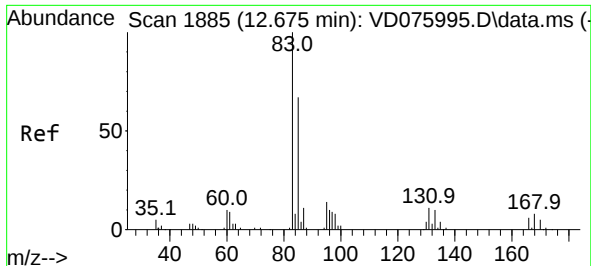
Tgt Ion:106 Resp: 224840
Ion Ratio Lower Upper
106 100
91 193.9 139.8 259.6



#55
Styrene
Concen: 27.316 ug/L
RT: 12.133 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

Tgt Ion:104 Resp: 399747
Ion Ratio Lower Upper
104 100
78 39.9 26.2 48.6

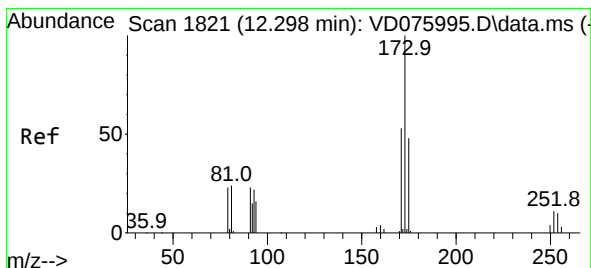
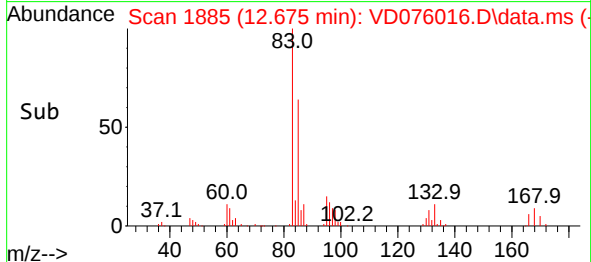
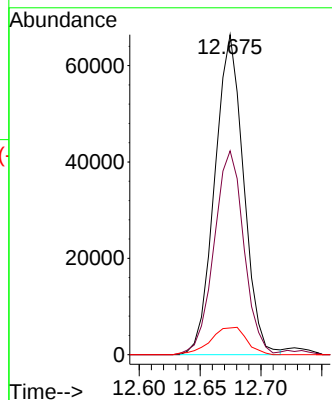
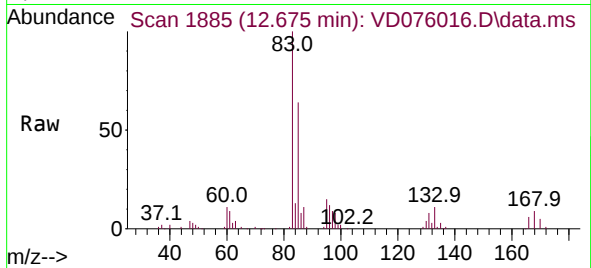




#57
1,1,2,2-Tetrachloroethane
Concen: 27.491 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

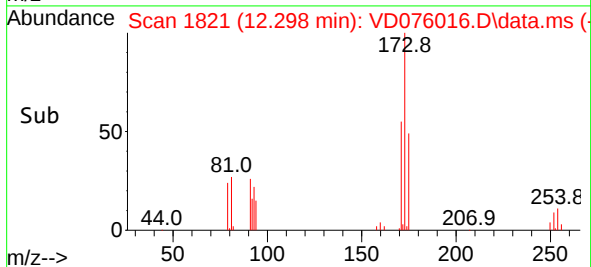
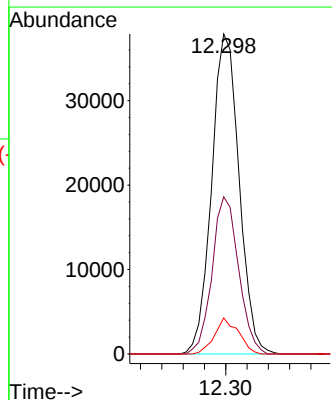
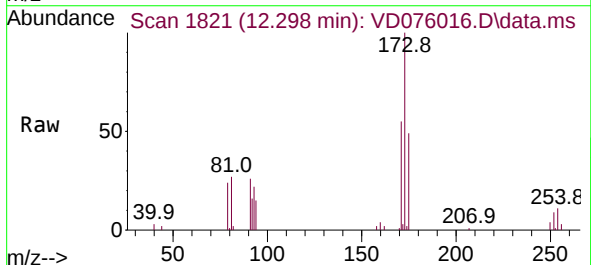
Instrument :
MSVOA_D
ClientSampleId :
VSTD025150

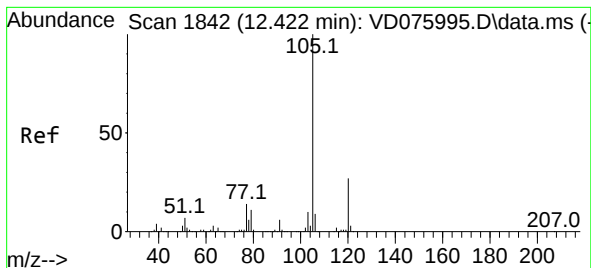
Tgt Ion: 83 Resp: 109510
Ion Ratio Lower Upper
83 100
85 63.7 45.1 83.7
131 8.4 7.0 10.6



#59
Bromoform
Concen: 25.202 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

Tgt Ion: 173 Resp: 67763
Ion Ratio Lower Upper
173 100
175 47.4 39.4 59.0
254 9.8 7.4 11.2





#60

Isopropylbenzene

Concen: 24.878 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD076016.D

Acq: 05 May 2023 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTD025150

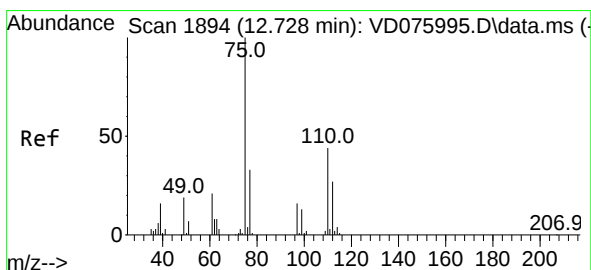
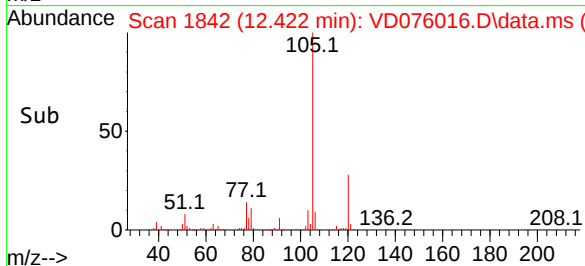
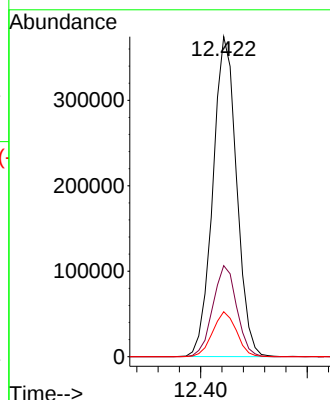
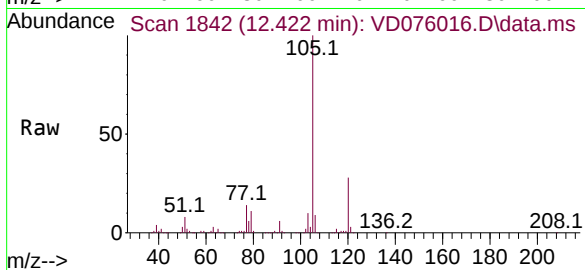
Tgt Ion:105 Resp: 578749

Ion Ratio Lower Upper

105 100

120 28.6 22.7 34.1

77 14.1 10.9 16.3



#61

1,2,3-Trichloropropane

Concen: 25.668 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VD076016.D

Acq: 05 May 2023 10:02

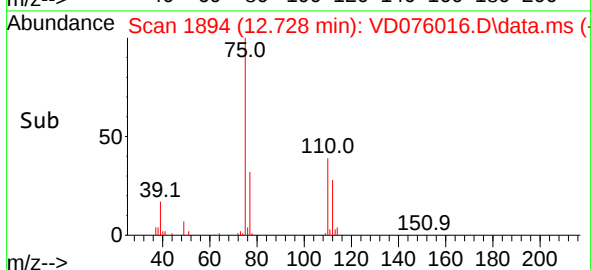
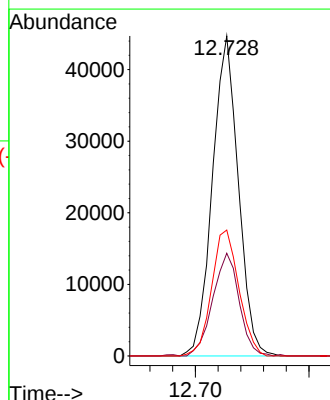
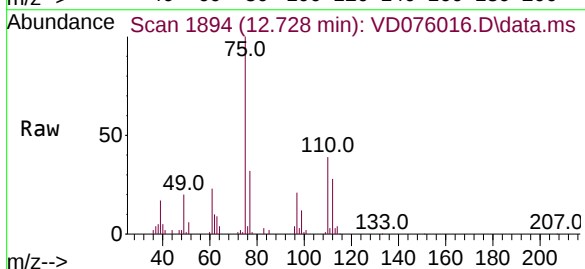
Tgt Ion: 75 Resp: 70741

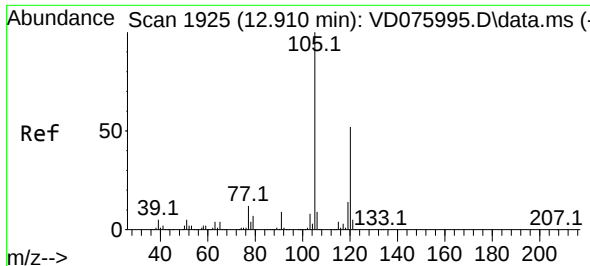
Ion Ratio Lower Upper

75 100

77 32.7 26.6 39.8

110 41.4 33.5 50.3

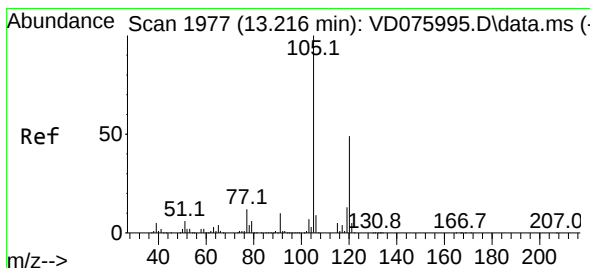
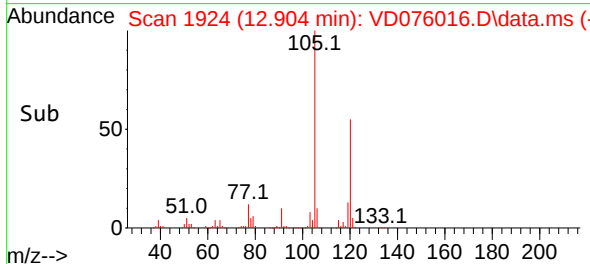
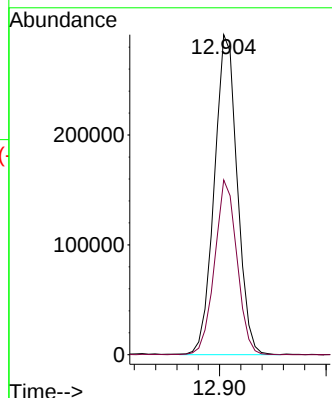
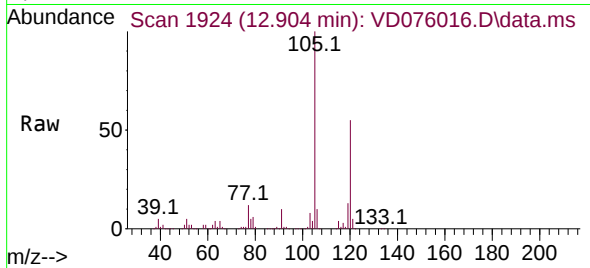




#62
 1,3,5-Trimethylbenzene
 Concen: 25.049 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. -0.006 min
 Lab File: VD076016.D
 Acq: 05 May 2023 10:02

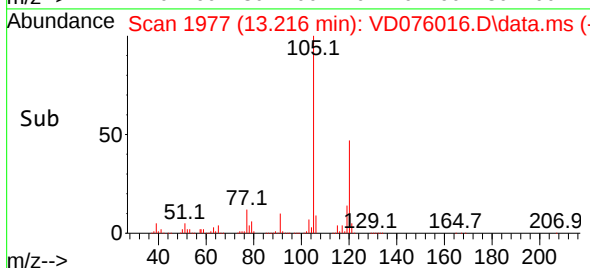
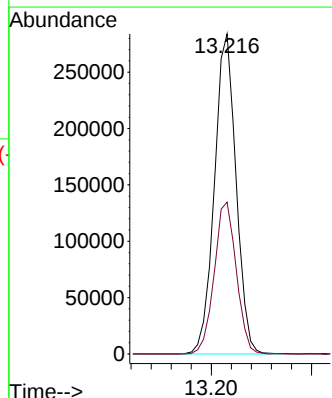
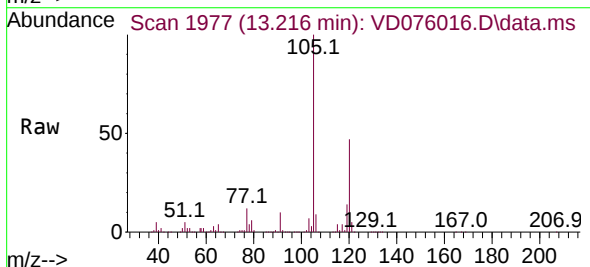
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025150

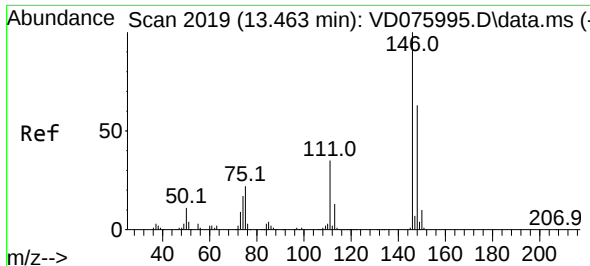
Tgt Ion:105 Resp: 434514
 Ion Ratio Lower Upper
 105 100
 120 53.2 42.0 63.0



#63
 1,2,4-Trimethylbenzene
 Concen: 25.406 ug/L
 RT: 13.216 min Scan# 1977
 Delta R.T. -0.000 min
 Lab File: VD076016.D
 Acq: 05 May 2023 10:02

Tgt Ion:105 Resp: 424825
 Ion Ratio Lower Upper
 105 100
 120 48.4 39.0 58.6

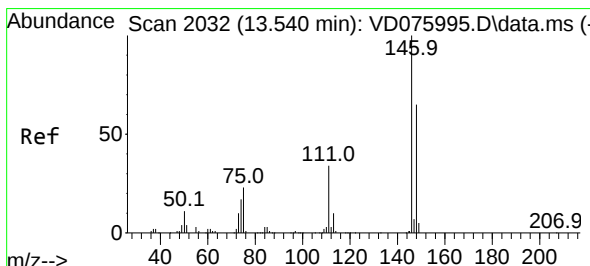
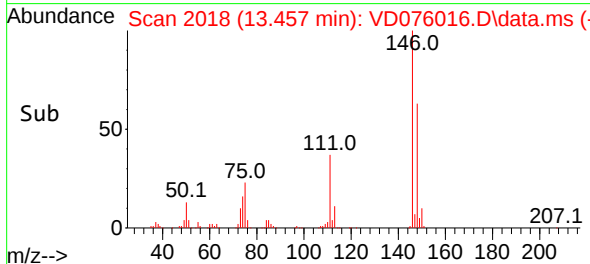
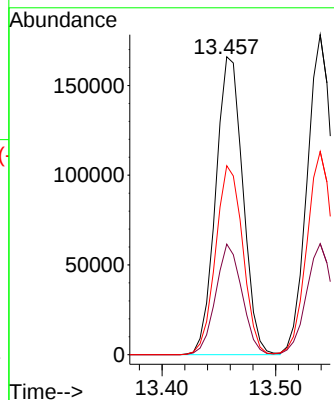
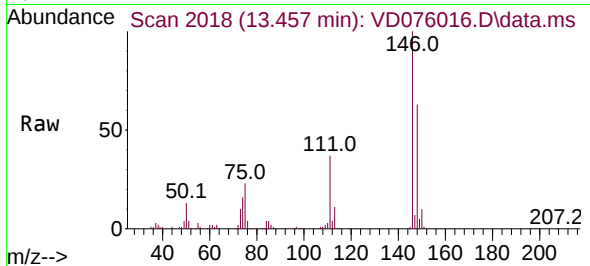




#64
1,3-Dichlorobenzene
Concen: 24.825 ug/L
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

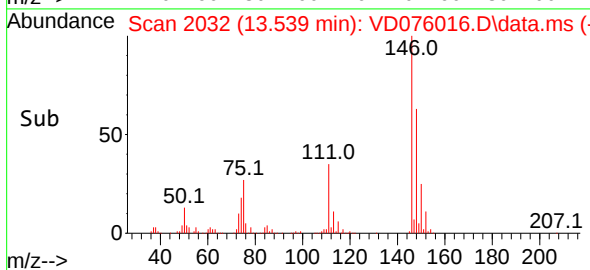
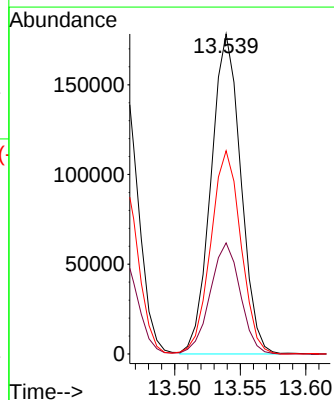
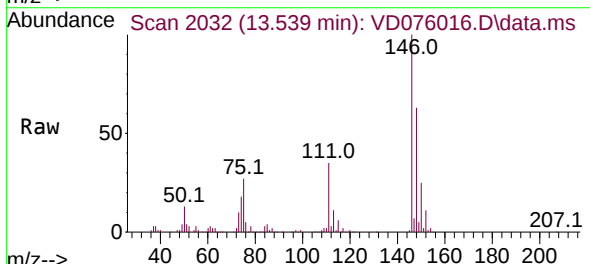
Instrument :
MSVOA_D
ClientSampleId :
VSTD025150

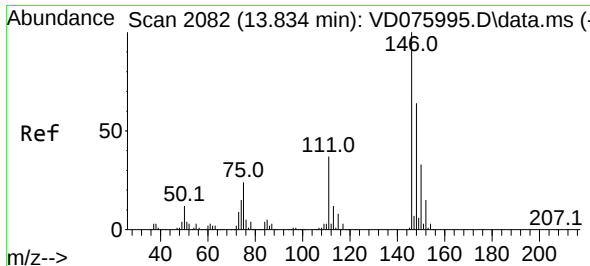
Tgt Ion:146 Resp: 276324
Ion Ratio Lower Upper
146 100
111 37.1 26.5 49.1
148 63.4 43.8 81.3



#65
1,4-Dichlorobenzene
Concen: 24.173 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD076016.D
Acq: 05 May 2023 10:02

Tgt Ion:146 Resp: 282382
Ion Ratio Lower Upper
146 100
111 34.7 24.6 45.8
148 63.5 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 24.662 ug/L

RT: 13.833 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD076016.D

Acq: 05 May 2023 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTD025150

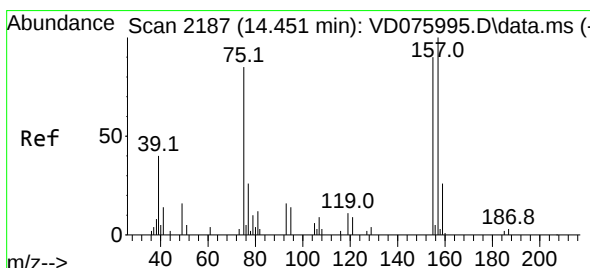
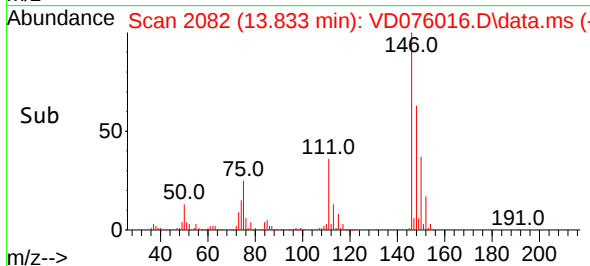
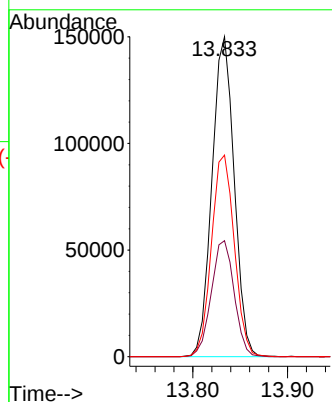
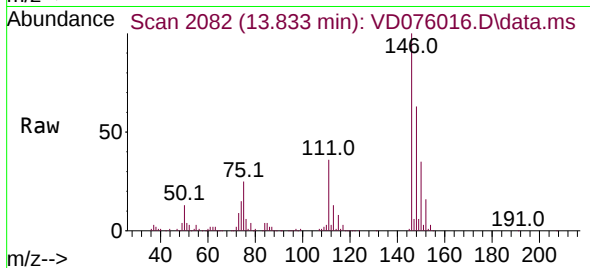
Tgt Ion:146 Resp: 245138

Ion Ratio Lower Upper

146 100

111 36.2 30.6 46.0

148 63.0 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 25.249 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. -0.006 min

Lab File: VD076016.D

Acq: 05 May 2023 10:02

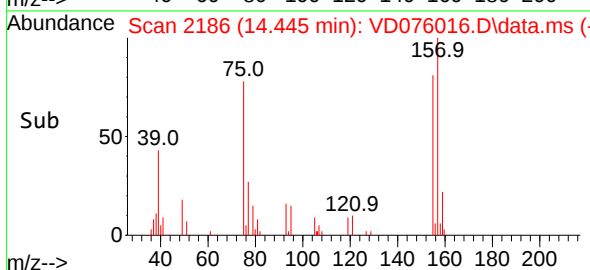
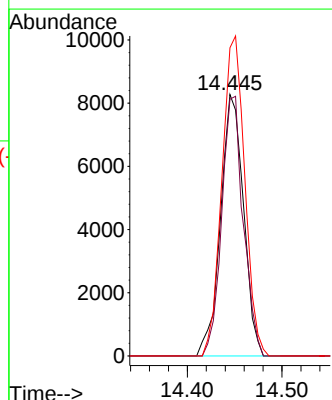
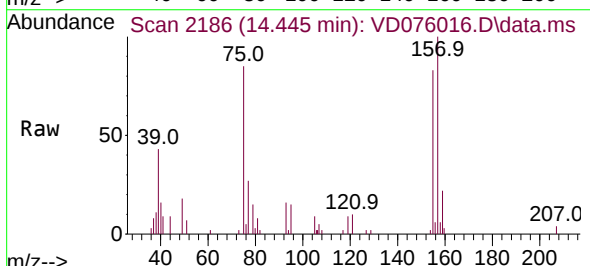
Tgt Ion: 75 Resp: 13911

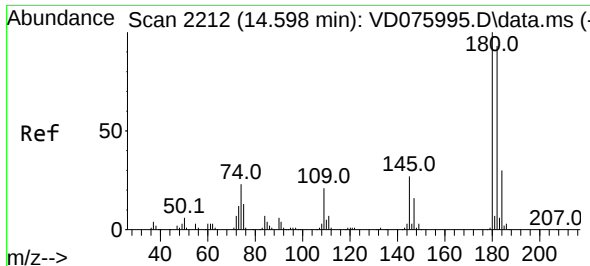
Ion Ratio Lower Upper

75 100

155 98.2 74.6 111.8

157 117.9 109.4 164.2

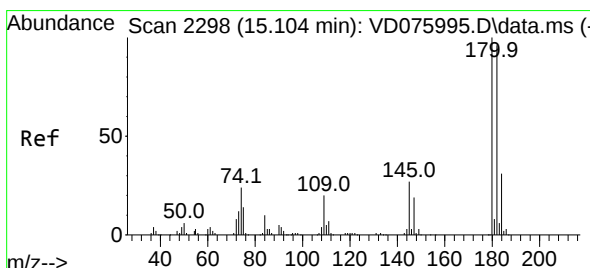
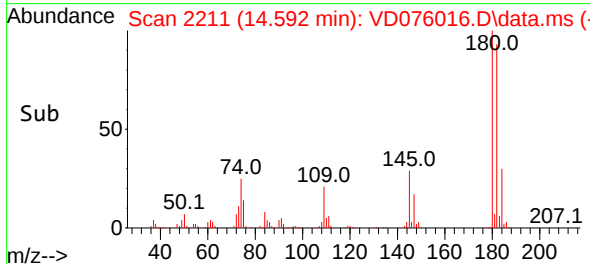
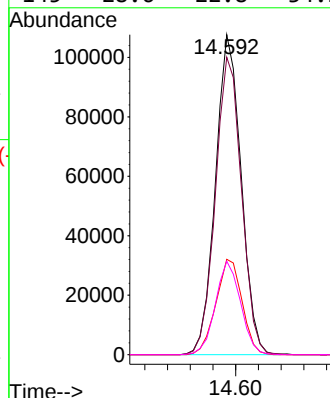
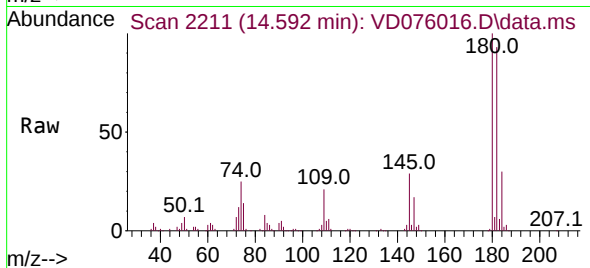




#69
 1,3,5-Trichlorobenzene
 Concen: 22.641 ug/L
 RT: 14.592 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD076016.D
 Acq: 05 May 2023 10:02

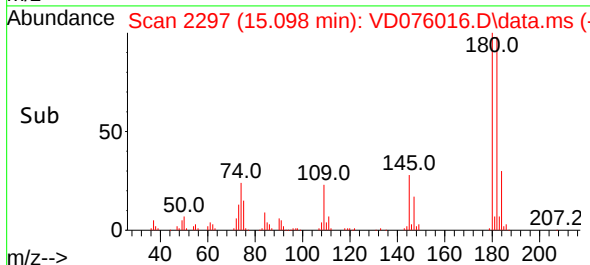
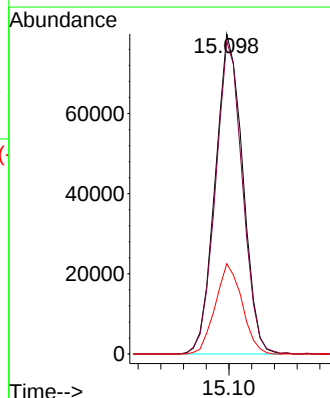
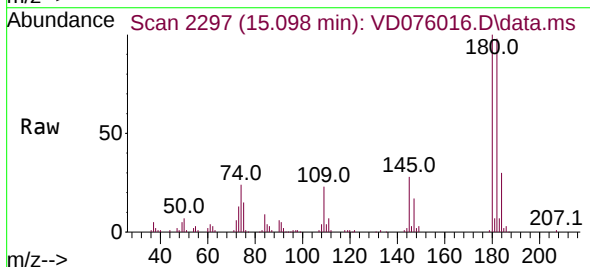
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025150

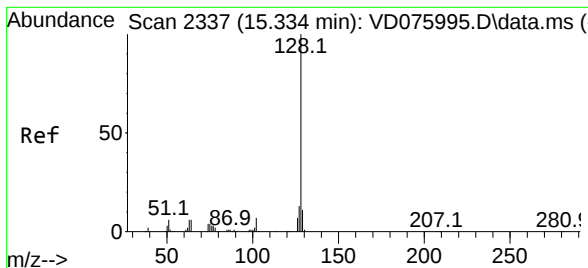
Tgt Ion:	180	Resp:	168913
Ion Ratio	Lower	Upper	
180	100		
182	94.5	74.9	112.3
184	30.3	25.0	37.4
145	28.6	22.8	34.2



#70
 1,2,4-trichlorobenzene
 Concen: 21.695 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. -0.006 min
 Lab File: VD076016.D
 Acq: 05 May 2023 10:02

Tgt Ion:	180	Resp:	134130
Ion Ratio	Lower	Upper	
180	100		
182	95.9	75.4	113.2
145	27.4	23.6	35.4





#71

Naphthalene

Concen: 22.140 ug/L

RT: 15.333 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD076016.D

Acq: 05 May 2023 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTD025150

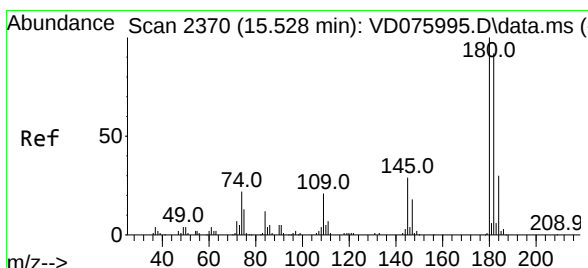
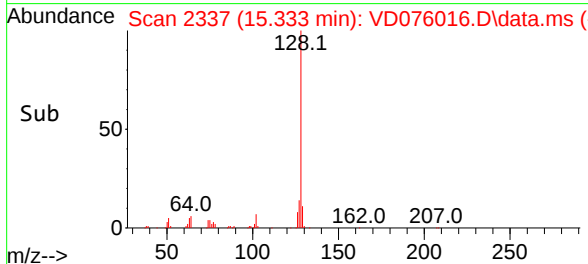
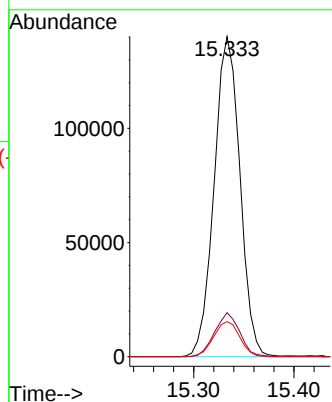
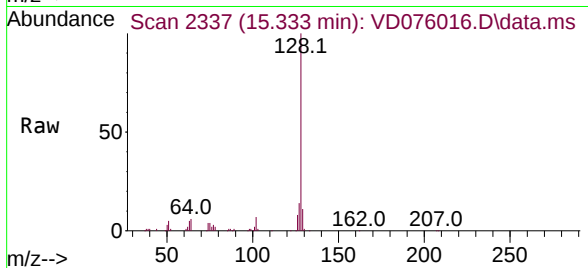
Tgt Ion:128 Resp: 250498

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 11.1 9.1 13.7



#72

1,2,3-Trichlorobenzene

Concen: 22.883 ug/L

RT: 15.521 min Scan# 2369

Delta R.T. -0.006 min

Lab File: VD076016.D

Acq: 05 May 2023 10:02

Tgt Ion:180 Resp: 126288

Ion Ratio Lower Upper

180 100

182 96.5 76.3 114.5

145 30.3 25.0 37.6

