

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050323\
 Data File : VD075976.D
 Acq On : 03 May 2023 10:38
 Operator : KP/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025146

Quant Time: May 04 02:51:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 03 02:37:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	355731	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	332011	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	172073	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	179181	22.961	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.840%
7) Chloroethane-d5	2.799	69	160438	23.794	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.160%
11) 1,1-Dichloroethene-d2	3.922	65	40343	22.423	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.680%
21) 2-Butanone-d5	6.987	46	38099	56.237	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.480%
24) Chloroform-d	7.569	84	219640	24.691	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.760%
26) 1,2-Dichloroethane-d4	8.228	65	97487	25.662	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.640%
32) Benzene-d6	8.199	84	461949	23.872	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.480%
36) 1,2-Dichloropropane-d6	9.210	67	133115	24.853	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.400%
41) Toluene-d8	10.269	98	439331	24.250	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.000%
43) trans-1,3-Dichloroprop...	10.528	79	50666	22.885	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.560%
47) 2-Hexanone-d5	10.881	63	34774	53.920	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.840%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	106658	26.023	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.080%
66) 1,2-Dichlorobenzene-d4	13.816	152	137418	22.578	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	137282	27.994	ug/L	100
3) Chloromethane	2.146	50	198741	29.071	ug/L	99
5) Vinyl chloride	2.281	62	251482	28.147	ug/L	97
6) Bromomethane	2.693	94	141568	23.580	ug/L	99
8) Chloroethane	2.834	64	159677	27.634	ug/L	96
9) Trichlorofluoromethane	3.175	101	196958	27.435	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	133948	27.773	ug/L	96
12) 1,1-Dichloroethene	3.934	96	121222	25.917	ug/L	92
13) Acetone	4.017	43	34777	59.985	ug/L	96
14) Carbon disulfide	4.269	76	423750	25.938	ug/L	98
15) Methyl Acetate	4.569	43	37787	30.074	ug/L #	82
16) Methylene chloride	4.799	84	149971	20.782	ug/L	92
17) trans-1,2-Dichloroethene	5.311	96	136953	26.113	ug/L	98
18) Methyl tert-butyl Ether	5.322	73	214296	25.472	ug/L	97
19) 1,1-Dichloroethane	6.111	63	216077	28.123	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	143686	25.910	ug/L	97
22) 2-Butanone	7.081	43	46802	61.922	ug/L	95
23) Bromochloromethane	7.428	128	69190	26.902	ug/L	91
25) Chloroform	7.593	83	236458	27.460	ug/L	98

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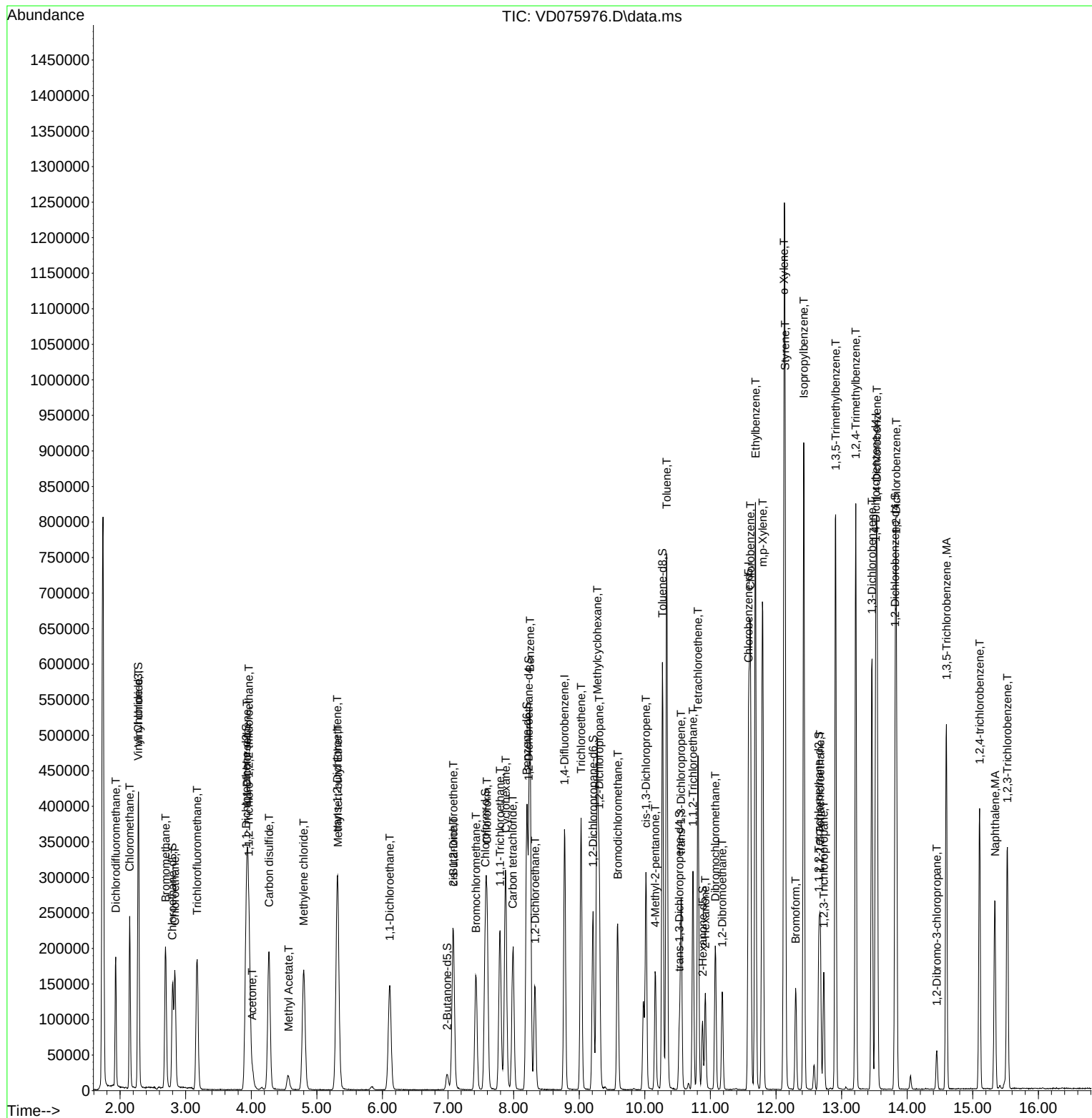
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	127732	28.738	ug/L	97
29) Cyclohexane	7.881	56	161450	28.406	ug/L	92
30) 1,1,1-Trichloroethane	7.793	97	186989	26.619	ug/L	98
31) Carbon tetrachloride	7.987	117	154332	27.385	ug/L	98
33) Benzene	8.252	78	549903	27.382	ug/L	100
34) Trichloroethene	9.028	95	134179	25.836	ug/L	92
35) Methylcyclohexane	9.275	83	217095	27.112	ug/L	97
37) 1,2-Dichloropropane	9.305	63	131228	28.446	ug/L	99
38) Bromodichloromethane	9.587	83	166042	26.694	ug/L #	97
39) cis-1,3-Dichloropropene	10.016	75	193599	26.388	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	101931	60.602	ug/L	96
42) Toluene	10.334	91	599936	27.605	ug/L	96
44) trans-1,3-Dichloropropene	10.552	75	162291	27.536	ug/L	95
45) 1,1,2-Trichloroethane	10.734	97	105116	26.783	ug/L	97
46) Tetrachloroethene	10.810	164	117092	27.488	ug/L	94
48) 2-Hexanone	10.922	43	74228	62.600	ug/L	95
49) Dibromochloromethane	11.075	129	114053	26.694	ug/L	95
50) 1,2-Dibromoethane	11.181	107	94574	26.728	ug/L	96
51) Chlorobenzene	11.610	112	377101	26.523	ug/L	98
52) Ethylbenzene	11.687	91	611585	27.443	ug/L	98
53) m,p-Xylene	11.799	106	254400	28.668	ug/L	95
54) o-Xylene	12.122	106	231340	27.447	ug/L	93
55) Styrene	12.140	104	415633	28.332	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.675	83	111976	28.041	ug/L	100
59) Bromoform	12.298	173	65713	24.918	ug/L	98
60) Isopropylbenzene	12.422	105	593958	26.032	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	71656	26.509	ug/L	100
62) 1,3,5-Trimethylbenzene	12.910	105	446529	26.245	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	434610	26.499	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	285890	26.187	ug/L	95
65) 1,4-Dichlorobenzene	13.540	146	293337	25.602	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	254142	26.068	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	12434	23.010	ug/L	98
69) 1,3,5-Trichlorobenzene	14.598	180	173388	23.696	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	136493	22.509	ug/L	99
71) Naphthalene	15.339	128	257450	23.200	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	131165	24.232	ug/L	98

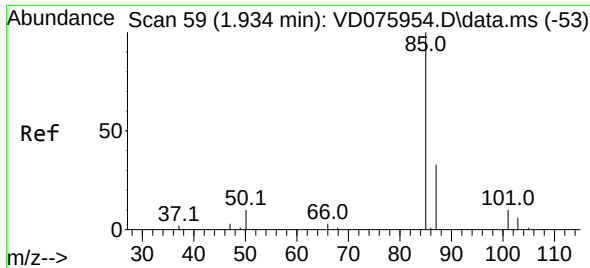
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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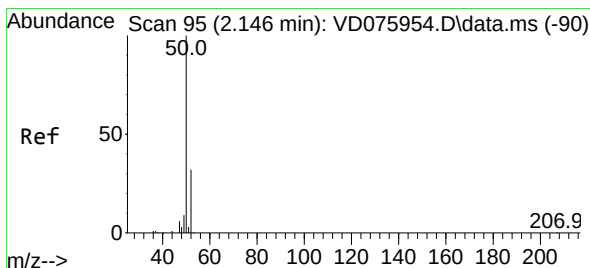
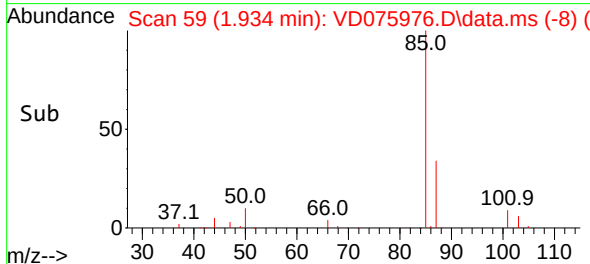
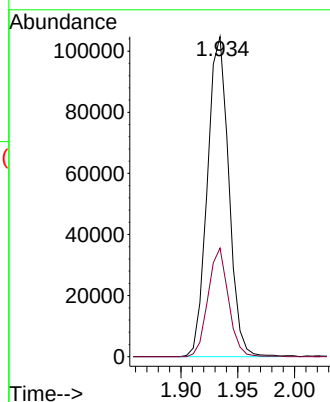
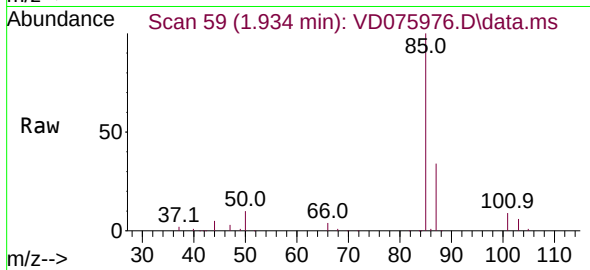




#2
 Dichlorodifluoromethane
 Concen: 27.994 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD075976.D
 Acq: 03 May 2023 10:38

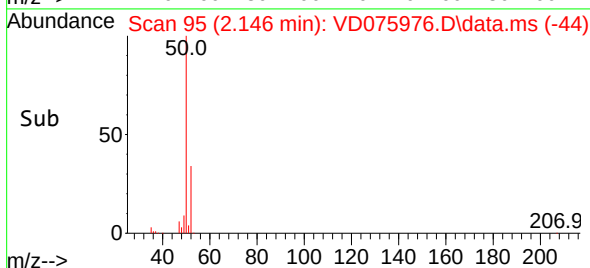
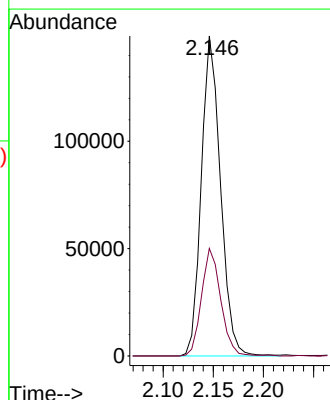
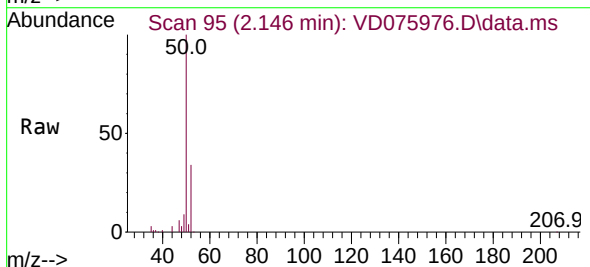
Instrument :
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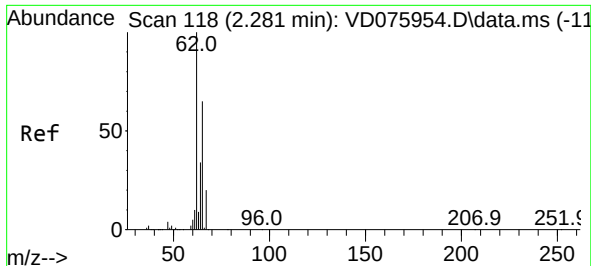
Tgt Ion: 85 Resp: 137282
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.8 38.8



#3
 Chloromethane
 Concen: 29.071 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. 0.000 min
 Lab File: VD075976.D
 Acq: 03 May 2023 10:38

Tgt Ion: 50 Resp: 198741
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.7 44.1

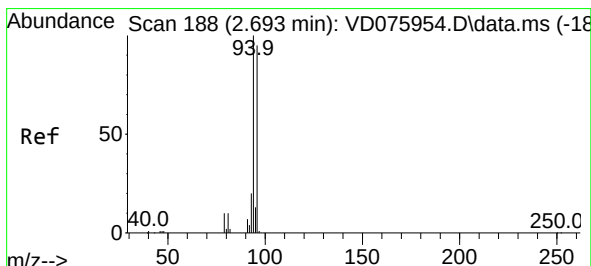
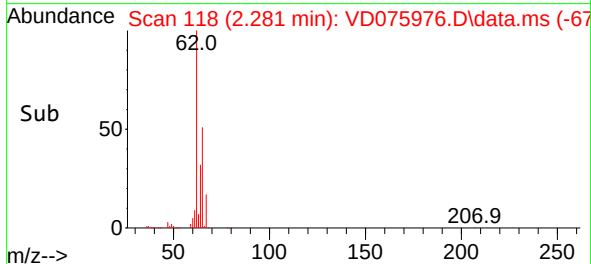
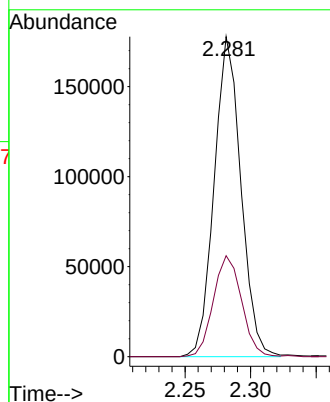
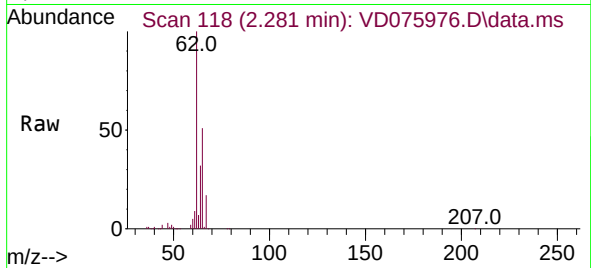




#5
 Vinyl chloride
 Concen: 28.147 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD075976.D
 Acq: 03 May 2023 10:38

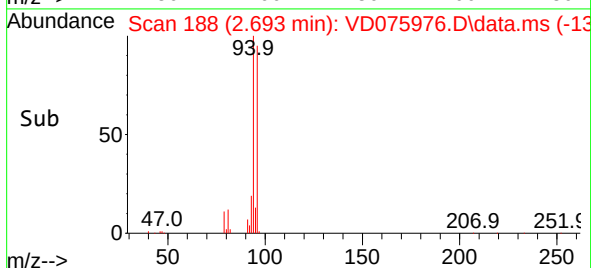
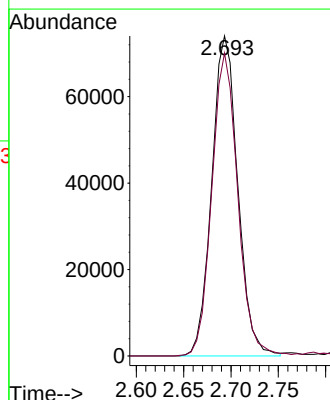
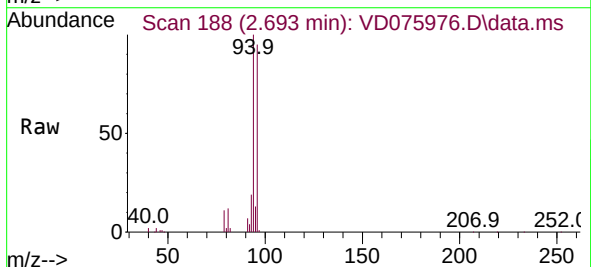
Instrument :
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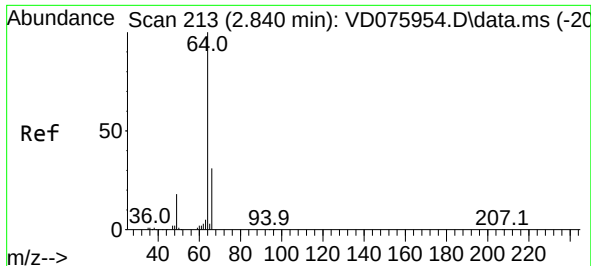
Tgt Ion: 62 Resp: 251482
 Ion Ratio Lower Upper
 62 100
 64 31.5 23.2 43.0



#6
 Bromomethane
 Concen: 23.580 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD075976.D
 Acq: 03 May 2023 10:38

Tgt Ion: 94 Resp: 141568
 Ion Ratio Lower Upper
 94 100
 96 94.6 65.7 121.9

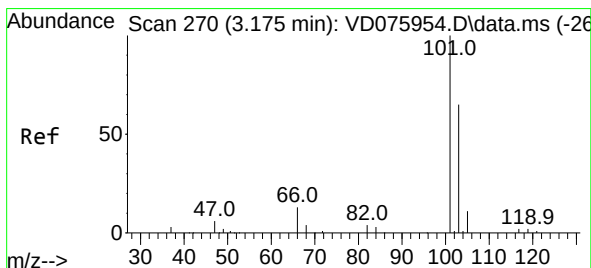
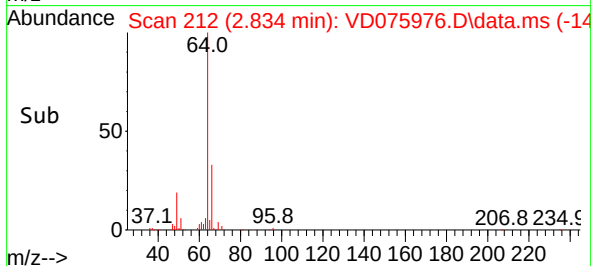
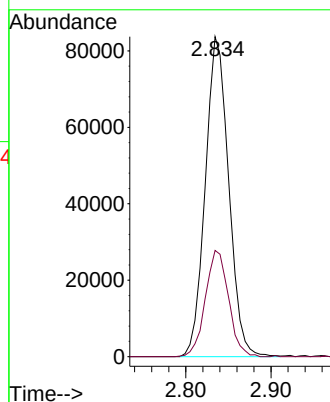
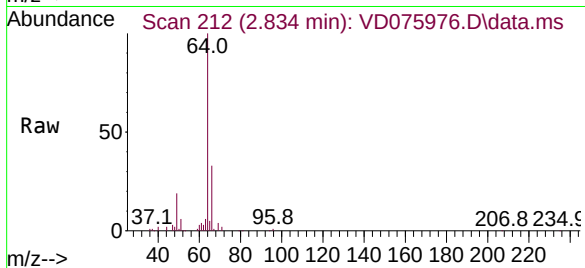




#8
Chloroethane
Concen: 27.634 ug/L
RT: 2.834 min Scan# 213
Delta R.T. -0.006 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

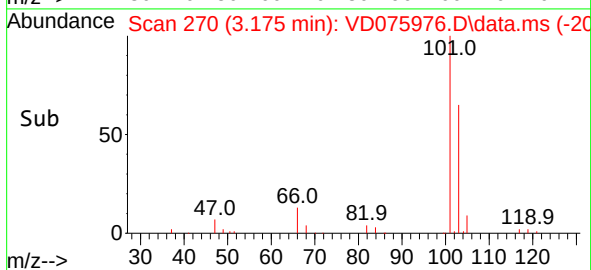
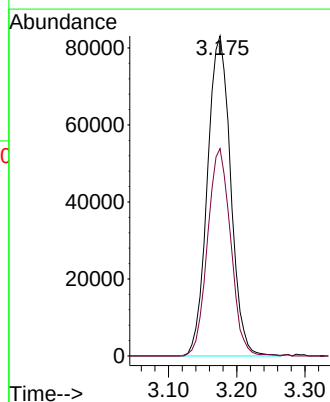
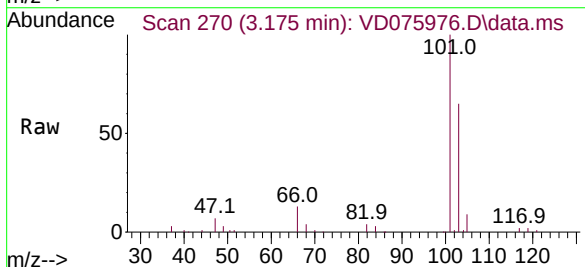
Instrument :
MSVOA_D
ClientSampleId :
VSTD025146

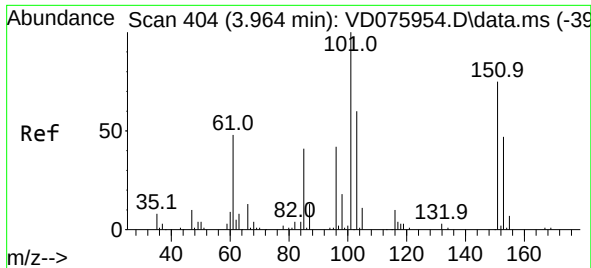
Tgt Ion: 64 Resp: 159677
Ion Ratio Lower Upper
64 100
66 33.2 21.8 40.4



#9
Trichlorofluoromethane
Concen: 27.435 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

Tgt Ion: 101 Resp: 196958
Ion Ratio Lower Upper
101 100
103 64.2 52.2 78.4

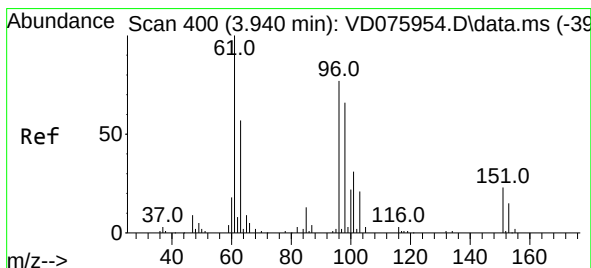
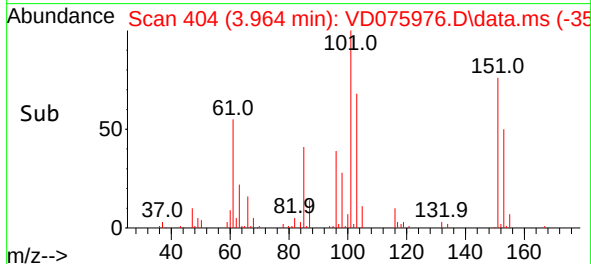
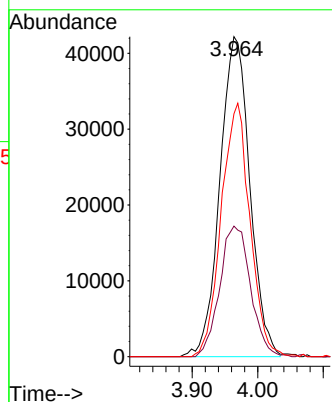
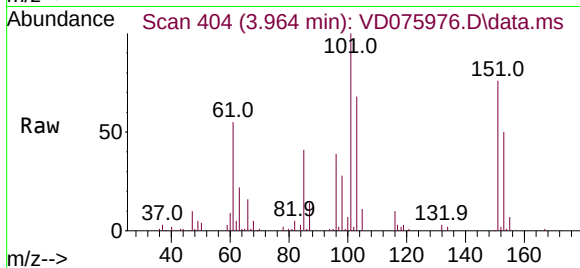




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 27.773 ug/L
 RT: 3.964 min Scan# 404
 Delta R.T. 0.000 min
 Lab File: VD075976.D
 Acq: 03 May 2023 10:38

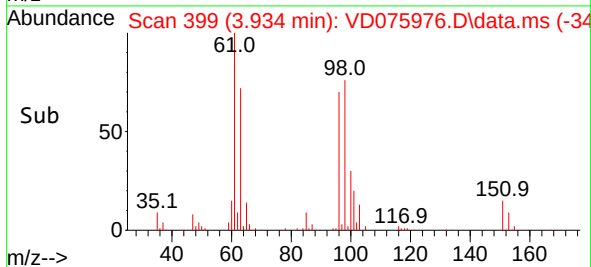
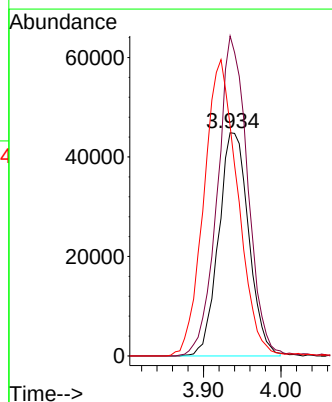
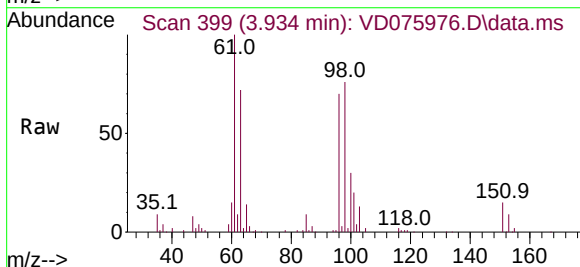
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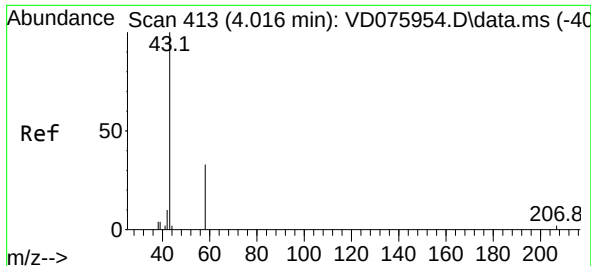
Tgt Ion:101 Resp: 133948
 Ion Ratio Lower Upper
 101 100
 85 41.8 32.9 49.3
 151 75.8 57.2 85.8



#12
 1,1-Dichloroethene
 Concen: 25.917 ug/L
 RT: 3.934 min Scan# 399
 Delta R.T. -0.006 min
 Lab File: VD075976.D
 Acq: 03 May 2023 10:38

Tgt Ion: 96 Resp: 121222
 Ion Ratio Lower Upper
 96 100
 61 143.4 92.6 172.0
 63 103.1 77.4 143.8

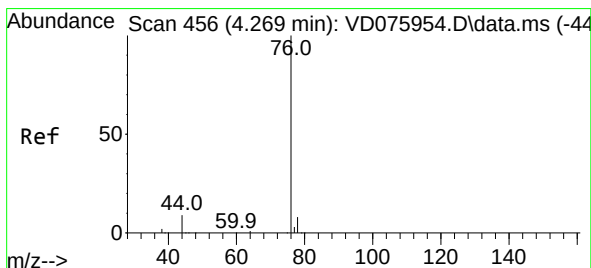
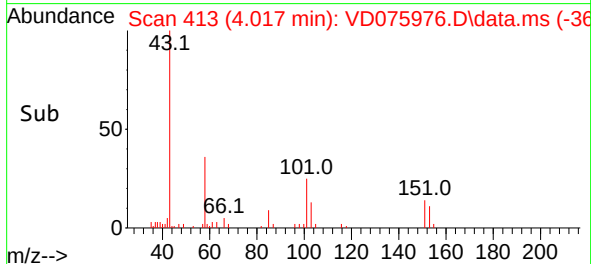
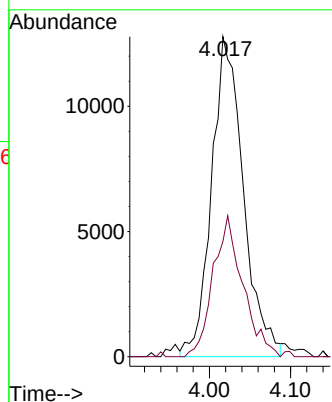
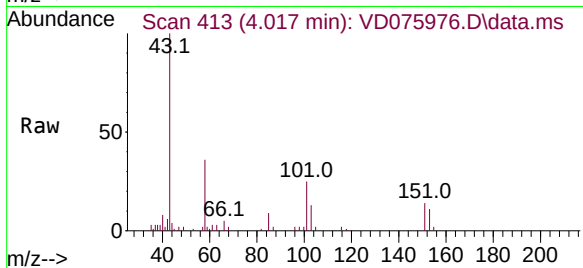




#13
Acetone
Concen: 59.985 ug/L
RT: 4.017 min Scan# 413
Delta R.T. 0.000 min
Lab File: VD075976.D
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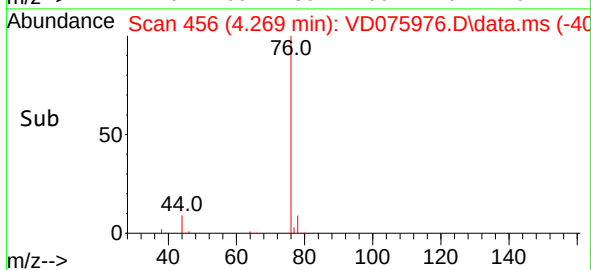
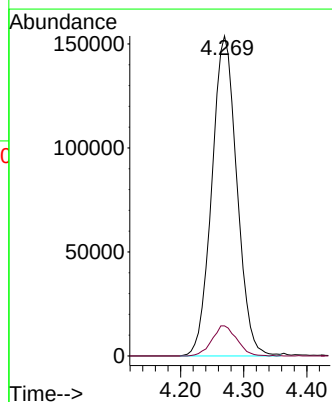
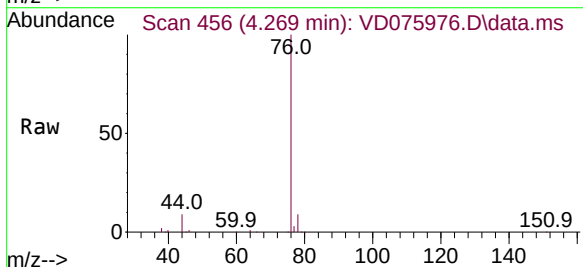
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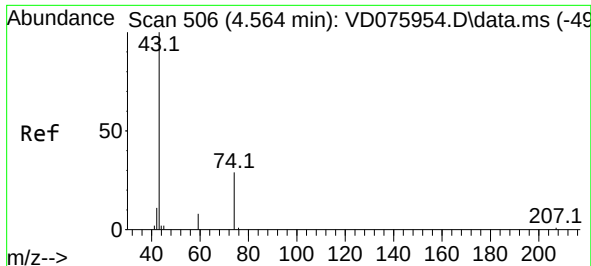
Tgt Ion: 43 Resp: 34777
Ion Ratio Lower Upper
43 100
58 41.2 0.0 87.4



#14
Carbon disulfide
Concen: 25.938 ug/L
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 423750
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6

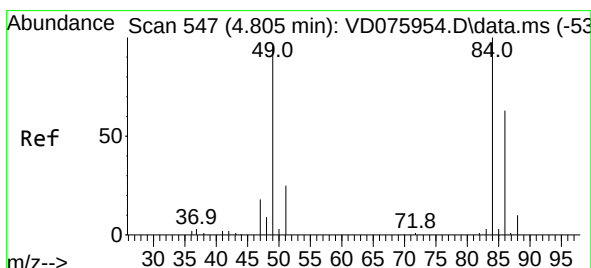
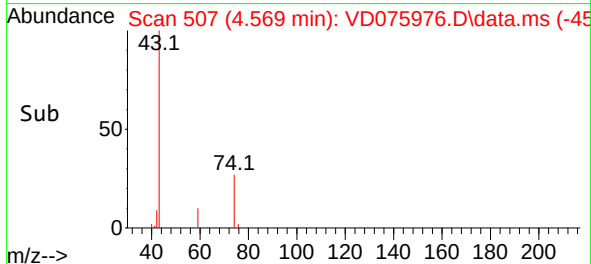
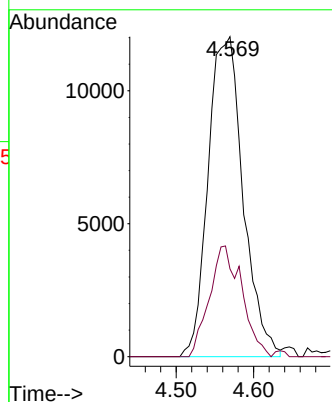
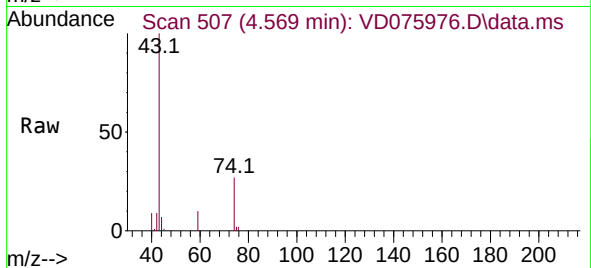




#15
Methyl Acetate
Concen: 30.074 ug/L
RT: 4.569 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

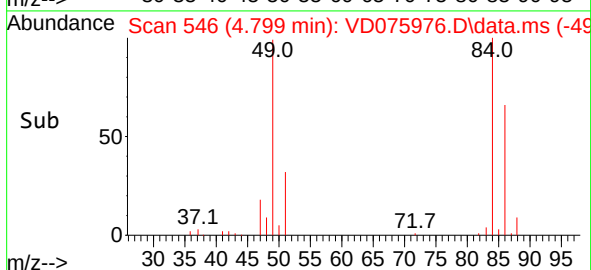
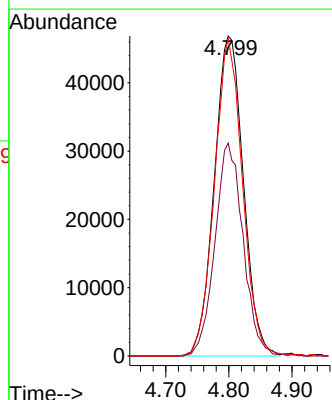
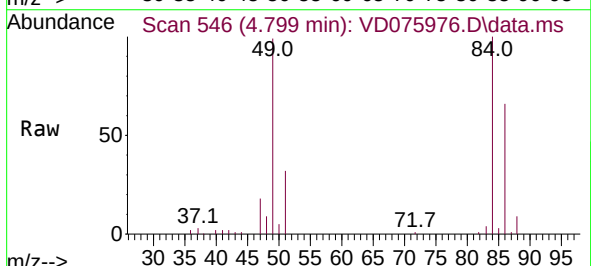
Instrument :
MSVOA_D
ClientSampleId :
VSTD025146

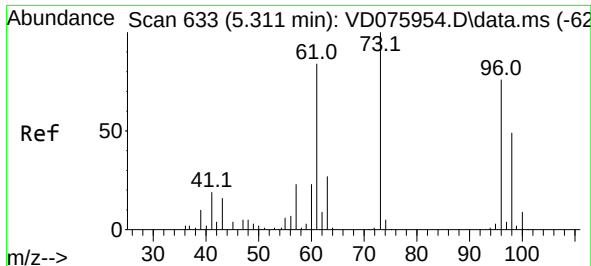
Tgt Ion: 43 Resp: 37787
Ion Ratio Lower Upper
43 100
74 23.4 12.8 19.2#



#16
Methylene chloride
Concen: 20.782 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

Tgt Ion: 84 Resp: 149971
Ion Ratio Lower Upper
84 100
86 66.5 45.8 85.2
49 99.1 60.8 112.8





#17

trans-1,2-Dichloroethene

Concen: 26.113 ug/L

RT: 5.311 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD075976.D

Acq: 03 May 2023 10:38

Instrument :

MSVOA_D

ClientSampleId :

VSTD025146

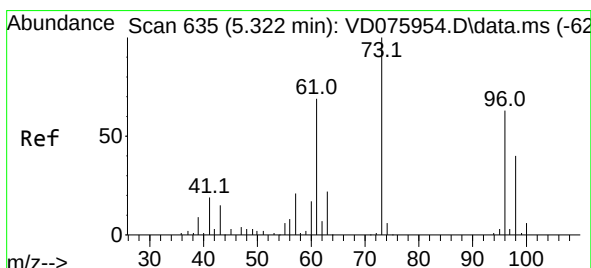
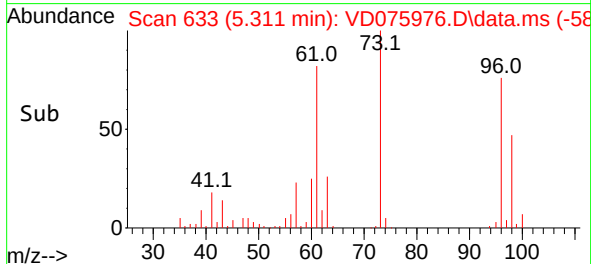
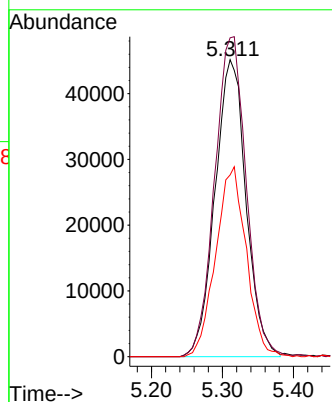
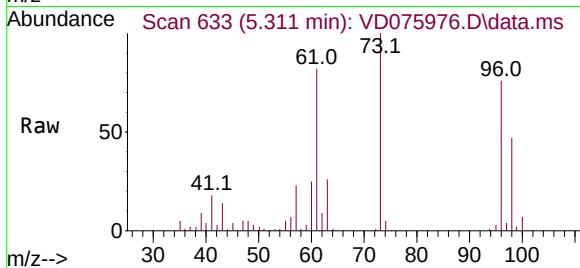
Tgt Ion: 96 Resp: 136953

Ion Ratio Lower Upper

96 100

61 107.4 72.9 135.5

98 61.2 43.0 79.8



#18

Methyl tert-butyl Ether

Concen: 25.472 ug/L

RT: 5.322 min Scan# 635

Delta R.T. 0.000 min

Lab File: VD075976.D

Acq: 03 May 2023 10:38

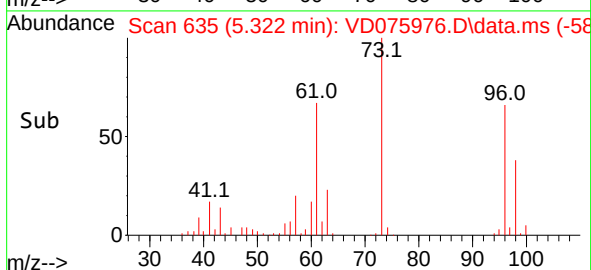
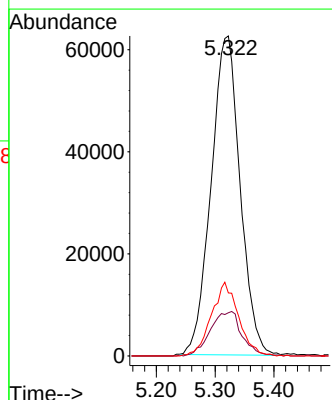
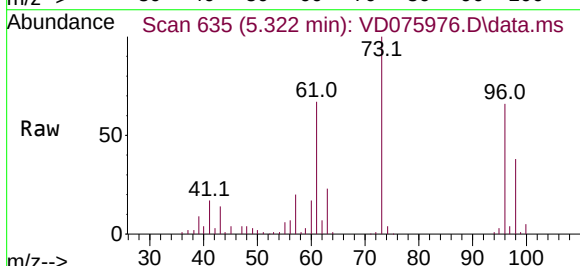
Tgt Ion: 73 Resp: 214296

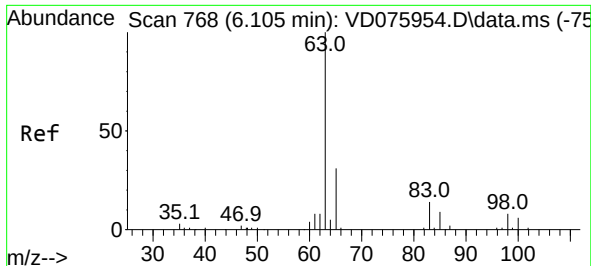
Ion Ratio Lower Upper

73 100

43 15.1 11.3 16.9

57 21.7 16.3 24.5





#19

1,1-Dichloroethane

Concen: 28.123 ug/L

RT: 6.111 min Scan# 7

Delta R.T. 0.006 min

Lab File: VD075976.D

Acq: 03 May 2023 10:38

Instrument :

MSVOA_D

ClientSampleId :

VSTD025146

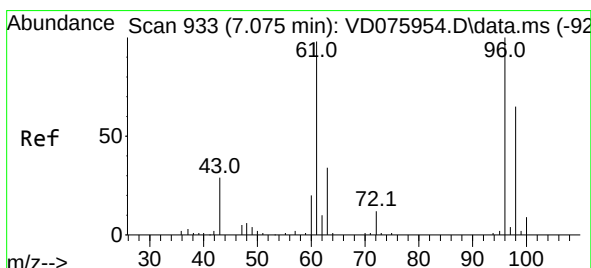
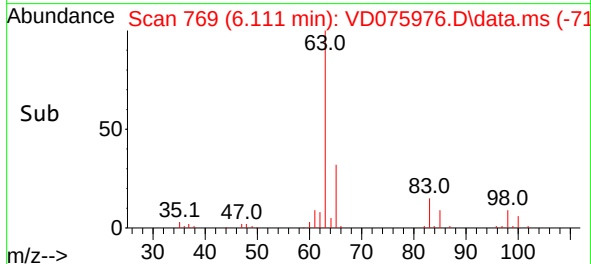
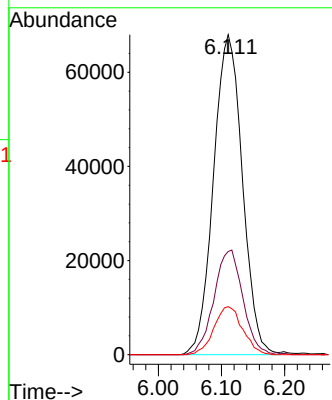
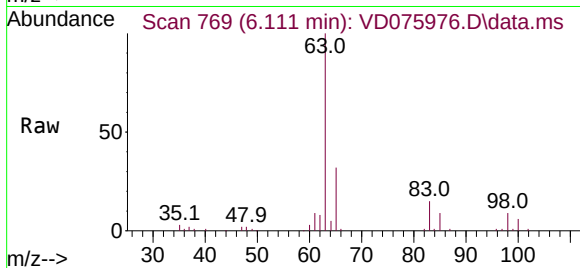
Tgt Ion: 63 Resp: 216077

Ion Ratio Lower Upper

63 100

65 32.3 22.8 42.4

83 15.0 11.2 20.8



#20

cis-1,2-Dichloroethene

Concen: 25.910 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD075976.D

Acq: 03 May 2023 10:38

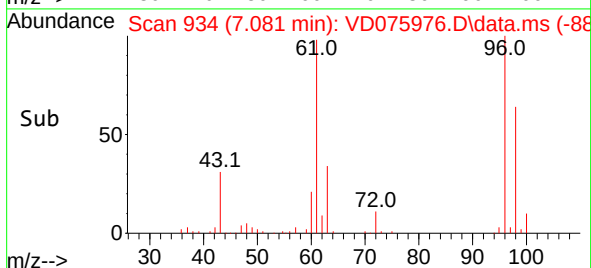
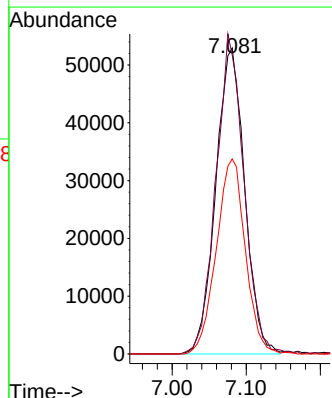
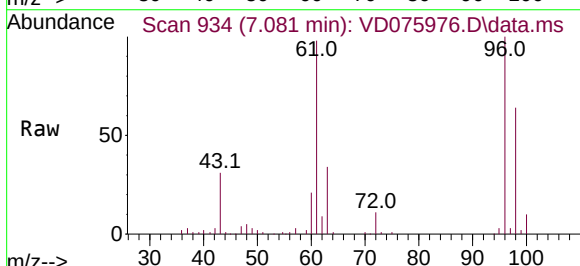
Tgt Ion: 96 Resp: 143686

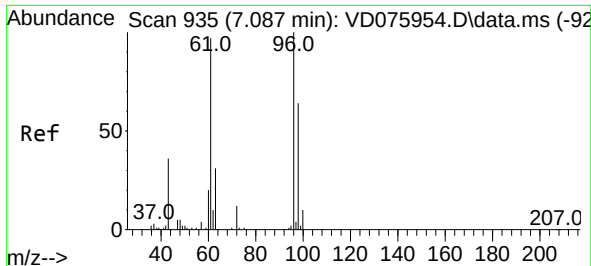
Ion Ratio Lower Upper

96 100

61 97.7 67.5 125.3

98 63.7 47.5 88.1

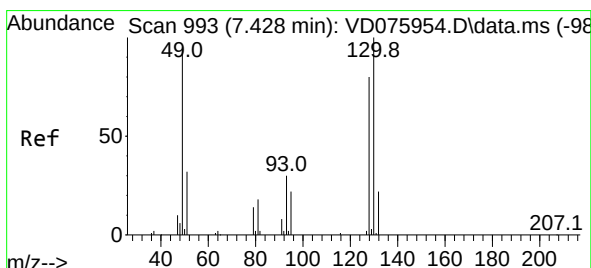
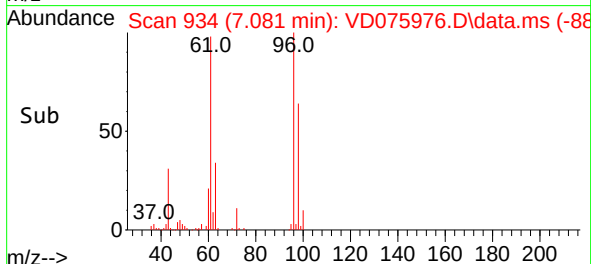
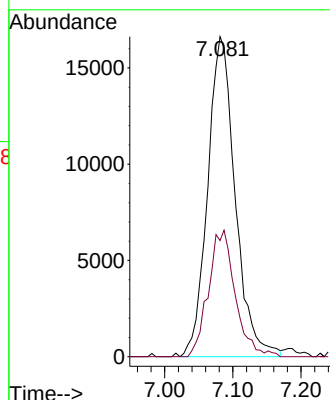
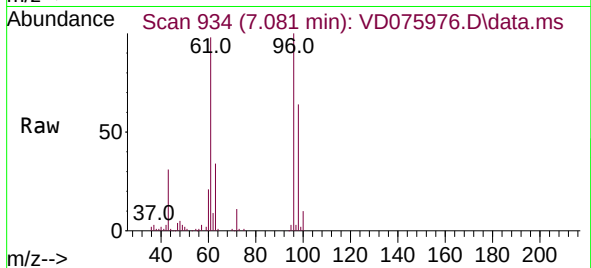




#22
2-Butanone
Concen: 61.922 ug/L
RT: 7.081 min Scan# 913
Delta R.T. -0.006 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

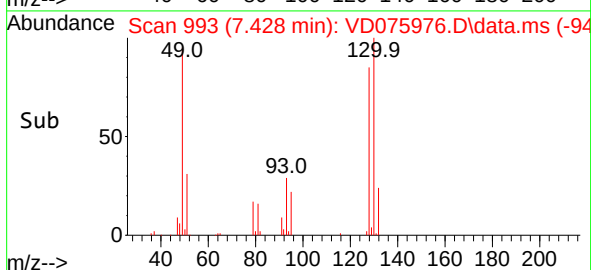
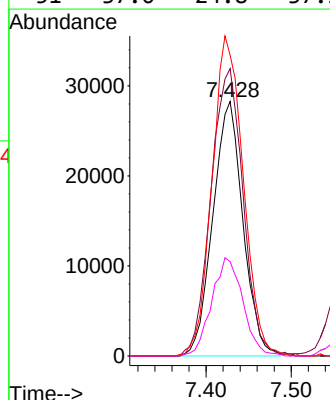
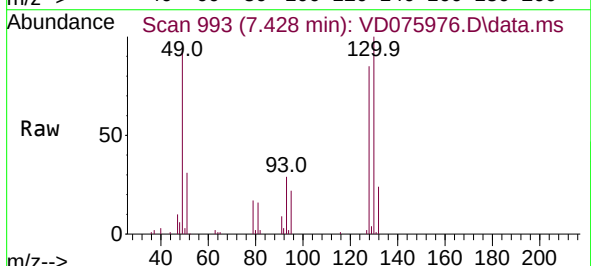
Instrument :
MSVOA_D
ClientSampleId :
VSTD025146

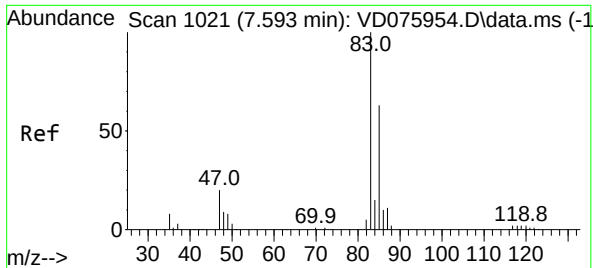
Tgt Ion: 43 Resp: 46802
Ion Ratio Lower Upper
43 100
72 37.9 20.5 61.5



#23
Bromochloromethane
Concen: 26.902 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

Tgt Ion: 128 Resp: 69190
Ion Ratio Lower Upper
128 100
49 112.9 76.4 142.0
130 118.2 93.5 173.7
51 37.0 24.8 37.2

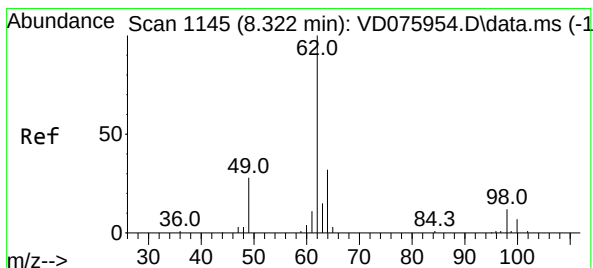
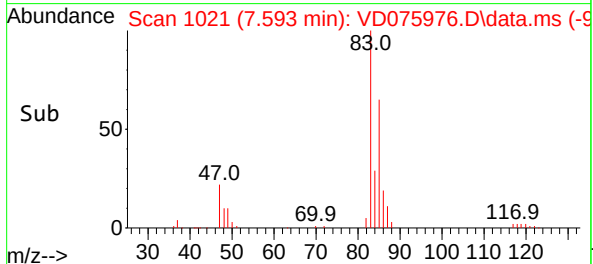
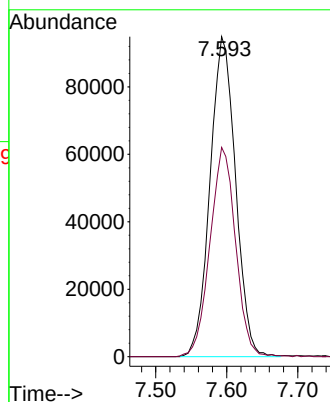
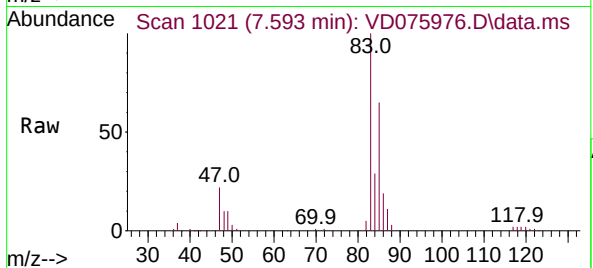




#25
Chloroform
Concen: 27.460 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

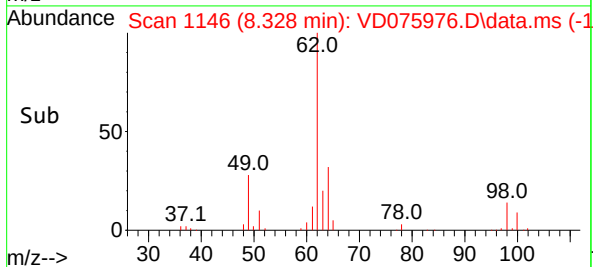
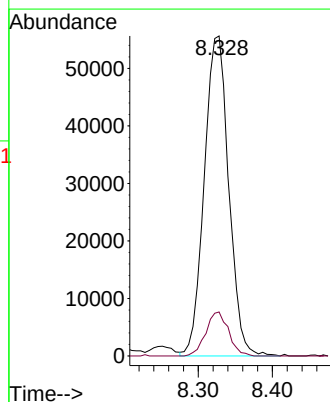
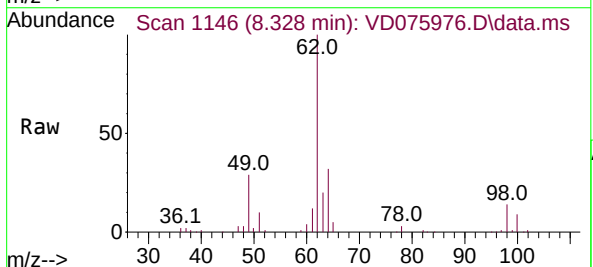
Instrument :
MSVOA_D
ClientSampleId :
VSTD025146

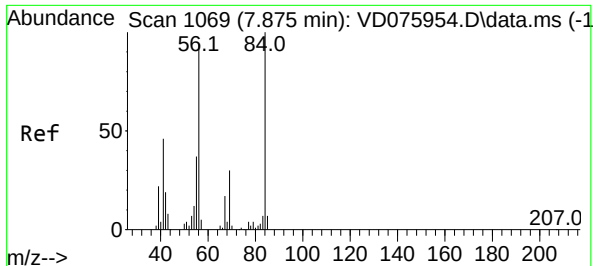
Tgt Ion: 83 Resp: 236458
Ion Ratio Lower Upper
83 100
85 65.4 44.4 82.5



#27
1,2-Dichloroethane
Concen: 28.738 ug/L
RT: 8.328 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

Tgt Ion: 62 Resp: 127732
Ion Ratio Lower Upper
62 100
98 13.8 10.2 15.2





#29

Cyclohexane

Concen: 28.406 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD075976.D

Acq: 03 May 2023 10:38

Instrument :

MSVOA_D

ClientSampleId :

VSTD025146

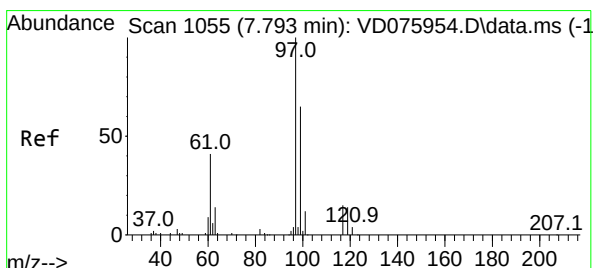
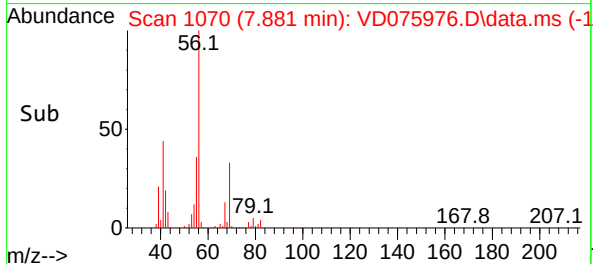
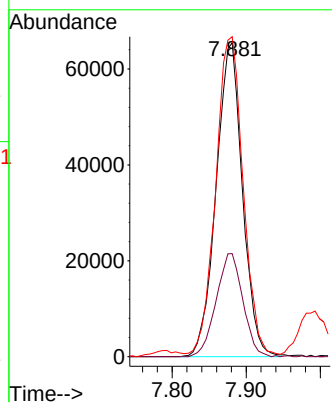
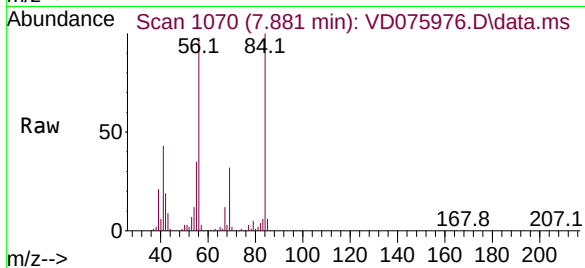
Tgt Ion: 56 Resp: 161450

Ion Ratio Lower Upper

56 100

69 33.2 28.2 42.2

84 104.6 92.4 138.6



#30

1,1,1-Trichloroethane

Concen: 26.619 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD075976.D

Acq: 03 May 2023 10:38

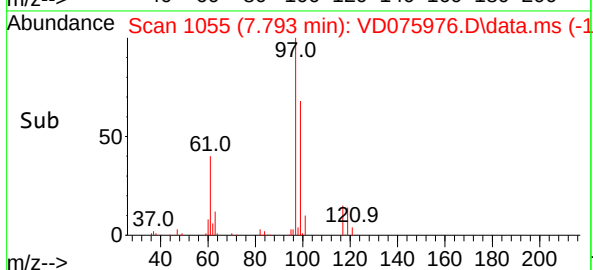
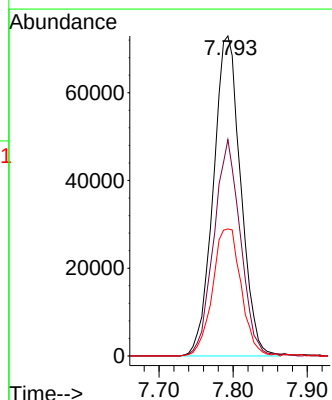
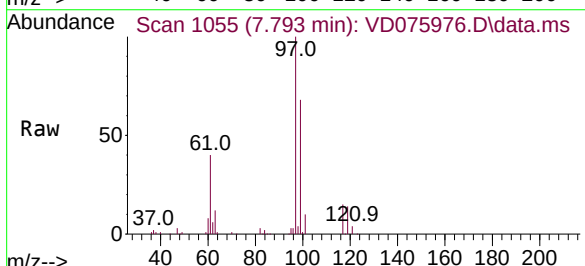
Tgt Ion: 97 Resp: 186989

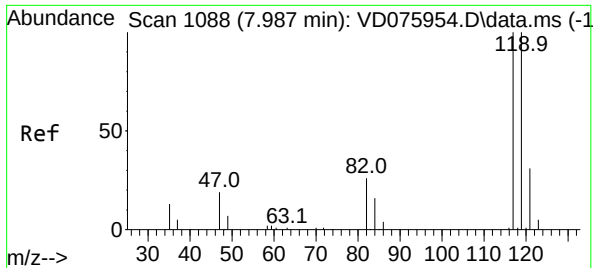
Ion Ratio Lower Upper

97 100

99 65.8 51.5 77.3

61 41.5 32.1 48.1

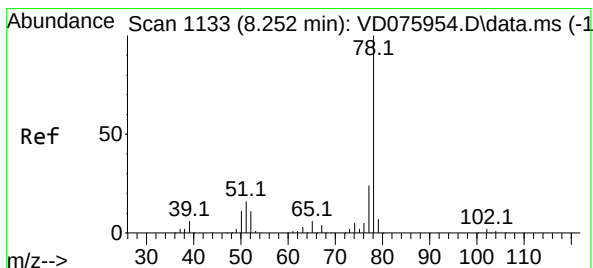
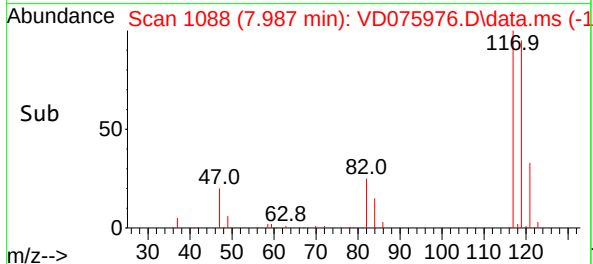
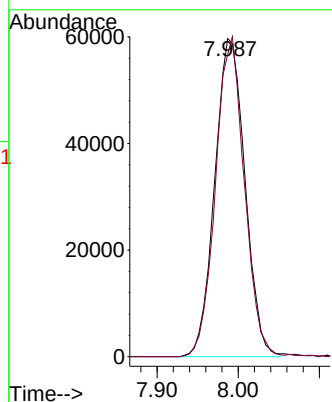
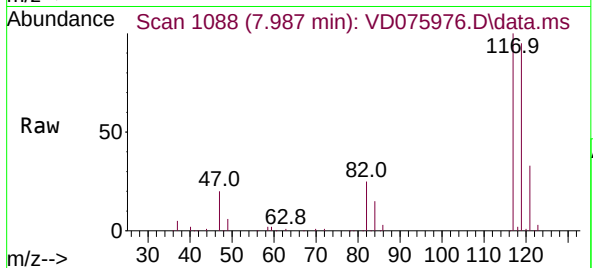




#31
Carbon tetrachloride
Concen: 27.385 ug/L
RT: 7.987 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

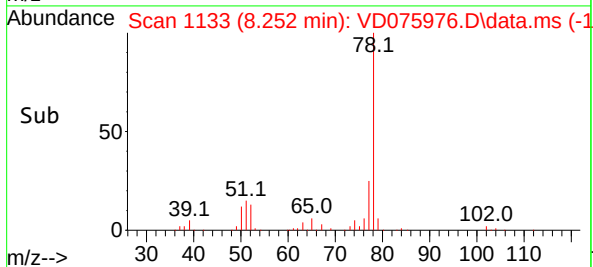
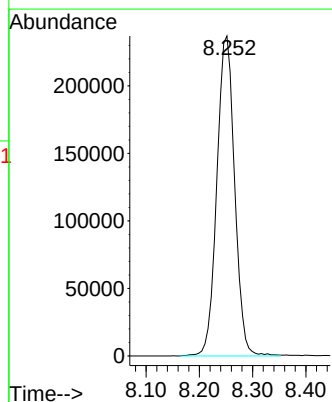
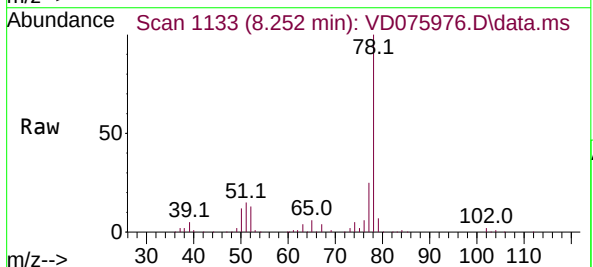
Instrument :
MSVOA_D
ClientSampleId :
VSTD025146

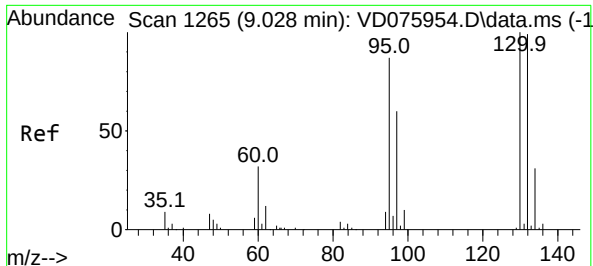
Tgt Ion:117 Resp: 154332
Ion Ratio Lower Upper
117 100
119 95.6 78.2 117.4



#33
Benzene
Concen: 27.382 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

Tgt Ion: 78 Resp: 549903



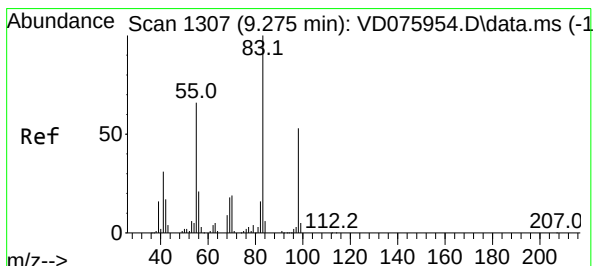
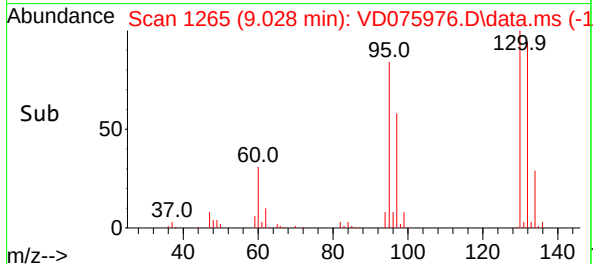
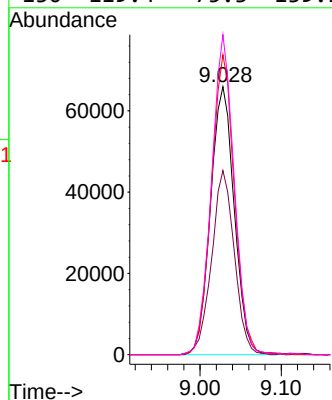
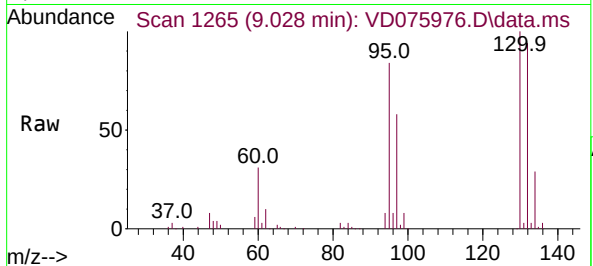


#34
Trichloroethene
Concen: 25.836 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTD025146

Tgt Ion: 95 Resp: 134179

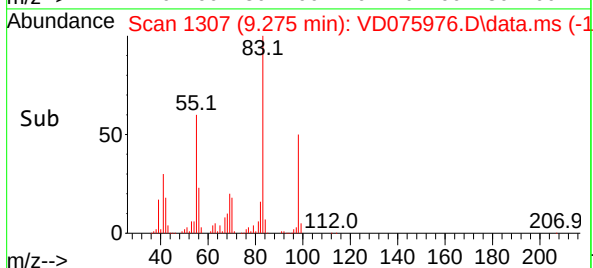
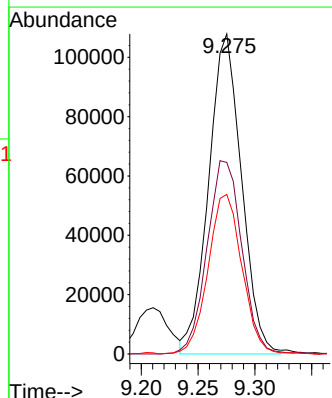
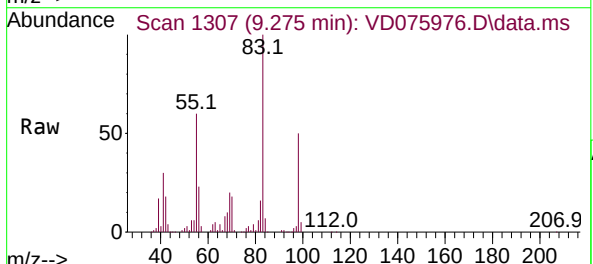
Ion	Ratio	Lower	Upper
95	100		
97	68.7	46.0	85.4
132	111.9	73.3	136.1
130	119.4	75.3	139.9

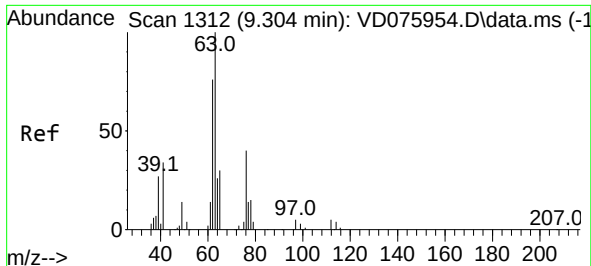


#35
Methylcyclohexane
Concen: 27.112 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

Tgt Ion: 83 Resp: 217095

Ion	Ratio	Lower	Upper
83	100		
55	63.9	48.2	72.2
98	51.3	40.8	61.2





#37

1,2-Dichloropropane

Concen: 28.446 ug/L

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD075976.D

Acq: 03 May 2023 10:38

Instrument :

MSVOA_D

ClientSampleId :

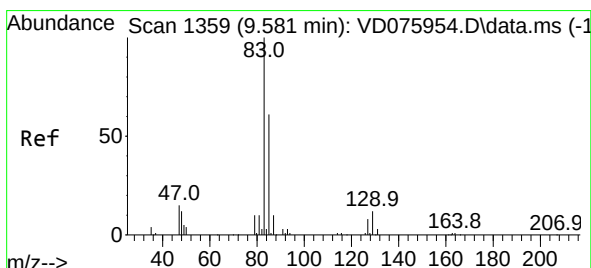
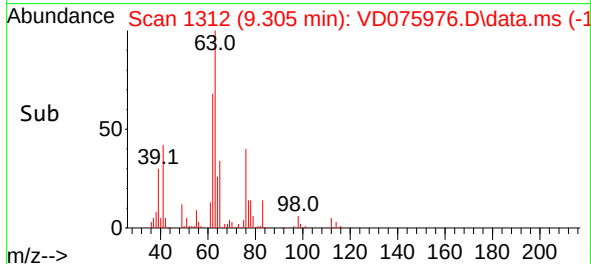
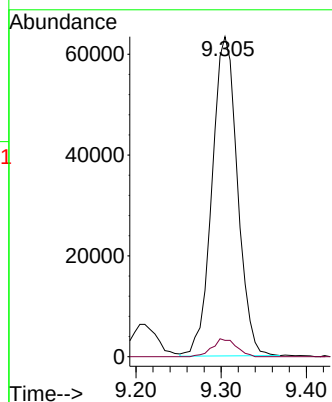
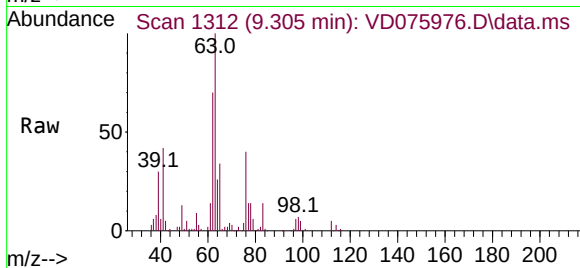
VSTD025146

Tgt Ion: 63 Resp: 131228

Ion Ratio Lower Upper

63 100

112 5.3 4.0 6.0



#38

Bromodichloromethane

Concen: 26.694 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.006 min

Lab File: VD075976.D

Acq: 03 May 2023 10:38

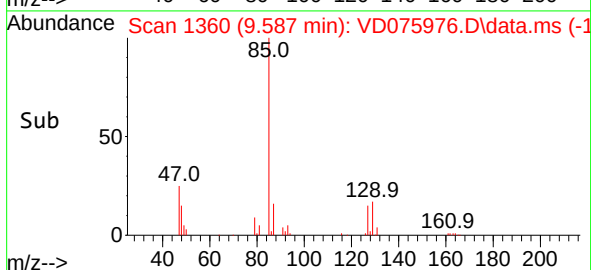
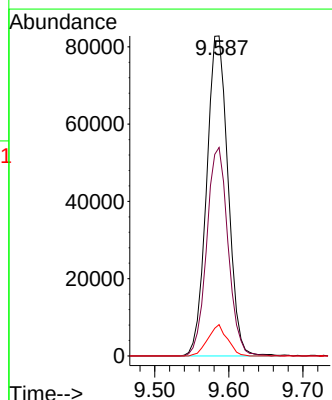
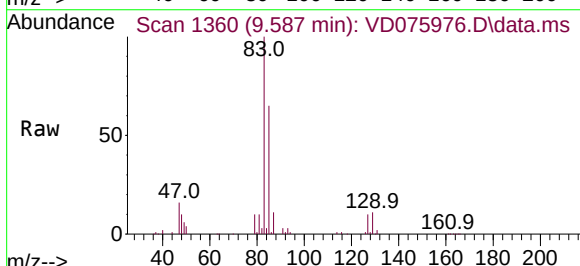
Tgt Ion: 83 Resp: 166042

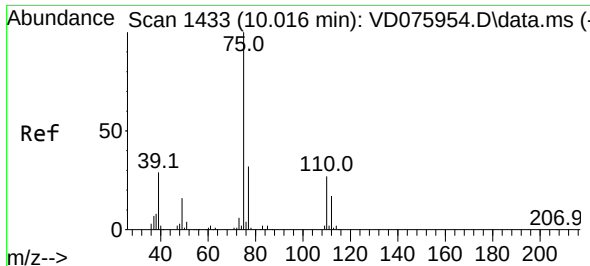
Ion Ratio Lower Upper

83 100

85 65.1 44.2 82.2

127 9.8 6.3 9.5#

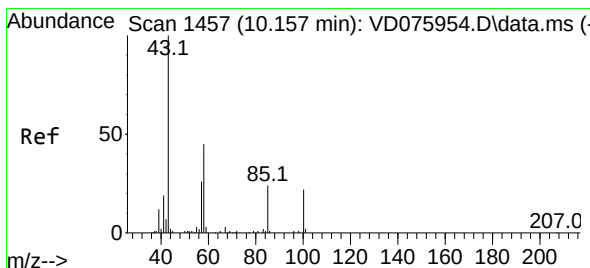
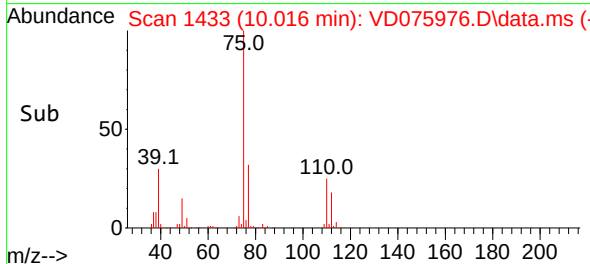
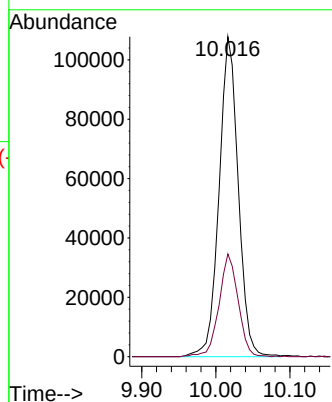
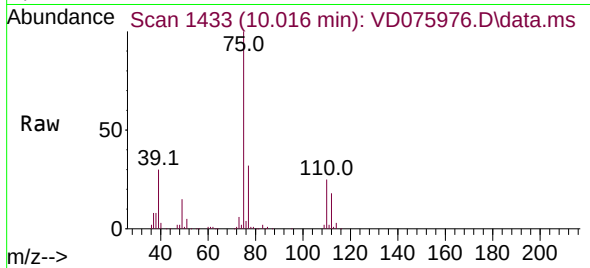




#39
 cis-1,3-Dichloropropene
 Concen: 26.388 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD075976.D
 Acq: 03 May 2023 10:38

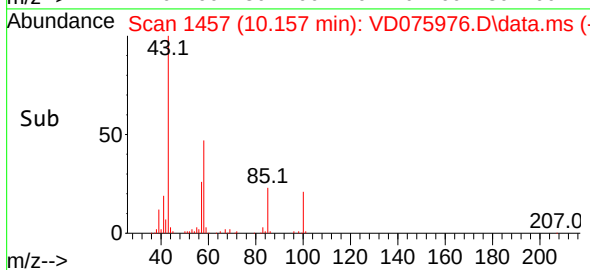
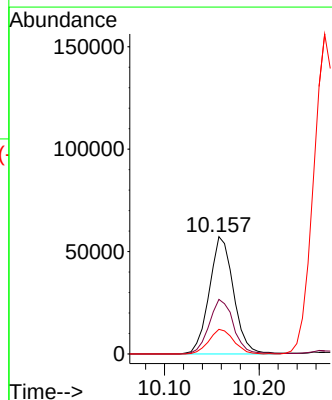
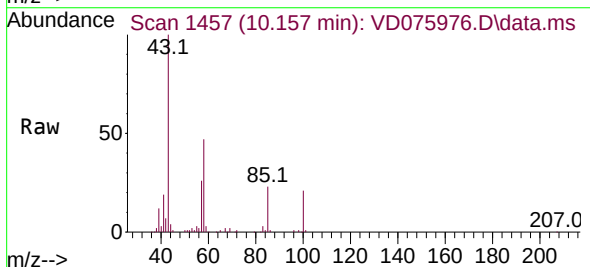
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025146

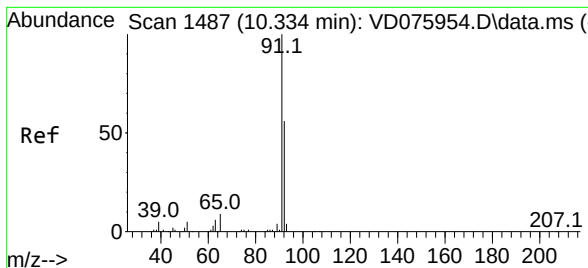
Tgt Ion: 75 Resp: 193599
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.4 43.6



#40
 4-Methyl-2-pentanone
 Concen: 60.602 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. 0.000 min
 Lab File: VD075976.D
 Acq: 03 May 2023 10:38

Tgt Ion: 43 Resp: 101931
 Ion Ratio Lower Upper
 43 100
 58 46.6 39.1 58.7
 100 21.3 19.4 29.0





#42

Toluene

Concen: 27.605 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD075976.D

Acq: 03 May 2023 10:38

Instrument :

MSVOA_D

ClientSampleId :

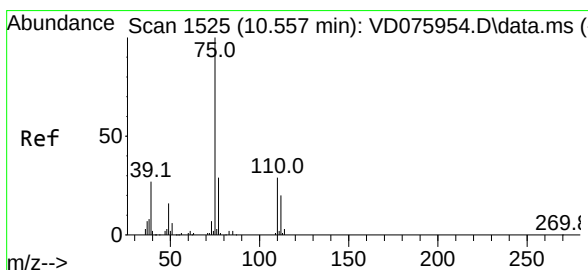
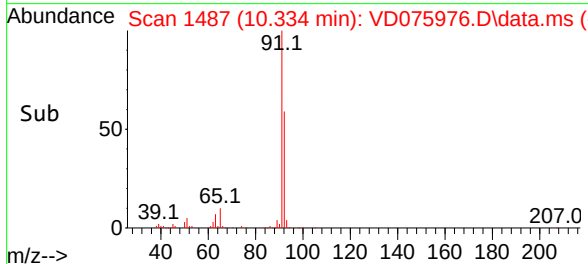
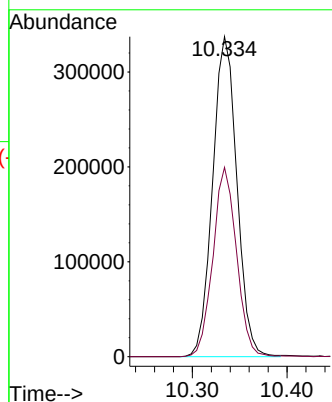
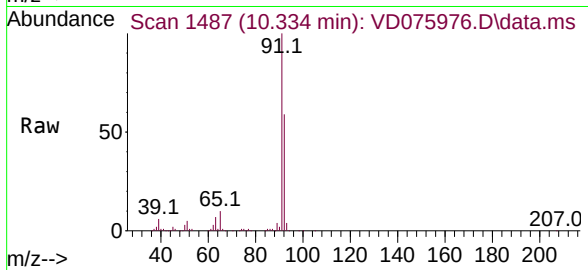
VSTD025146

Tgt Ion: 91 Resp: 599936

Ion Ratio Lower Upper

91 100

92 59.2 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 27.536 ug/L

RT: 10.552 min Scan# 1524

Delta R.T. -0.006 min

Lab File: VD075976.D

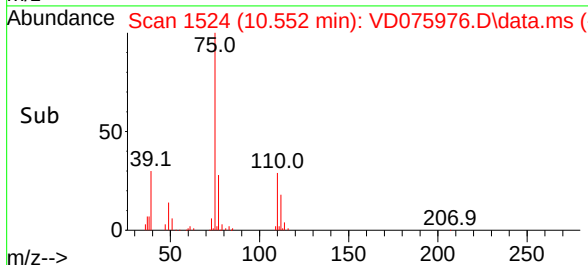
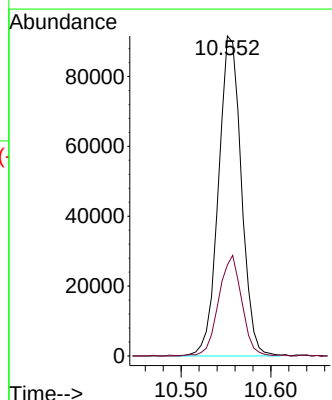
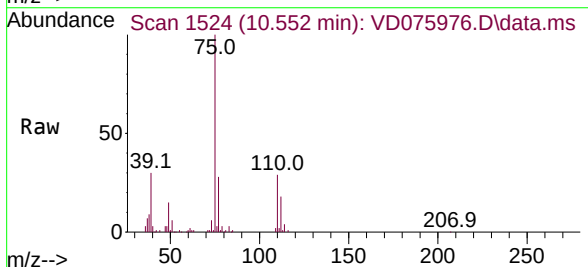
Acq: 03 May 2023 10:38

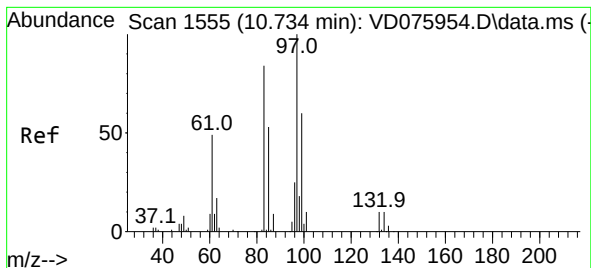
Tgt Ion: 75 Resp: 162291

Ion Ratio Lower Upper

75 100

77 28.5 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 26.783 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD075976.D

Acq: 03 May 2023 10:38

Instrument :

MSVOA_D

ClientSampleId :

VSTD025146

Tgt Ion: 97 Resp: 105116

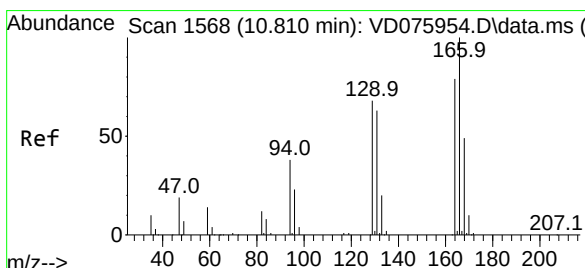
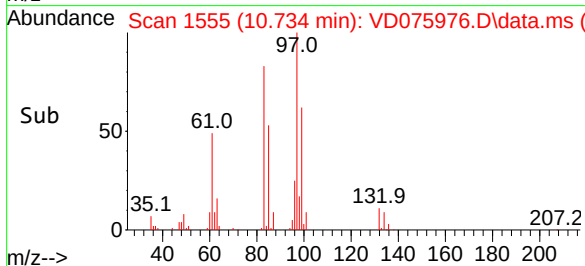
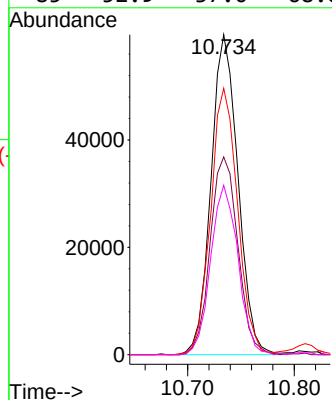
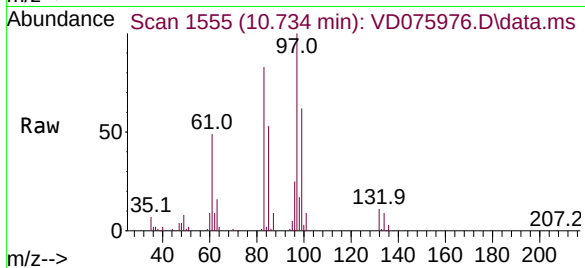
Ion Ratio Lower Upper

97 100

99 61.8 42.2 78.4

83 83.2 54.8 101.8

85 52.9 37.0 68.8



#46

Tetrachloroethene

Concen: 27.488 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD075976.D

Acq: 03 May 2023 10:38

Tgt Ion:164 Resp: 117092

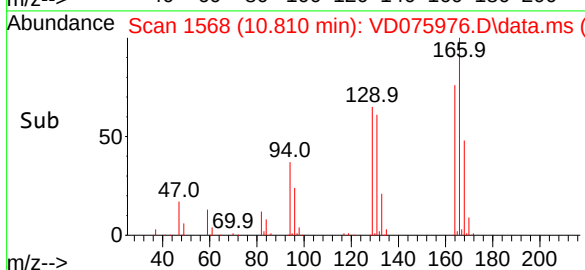
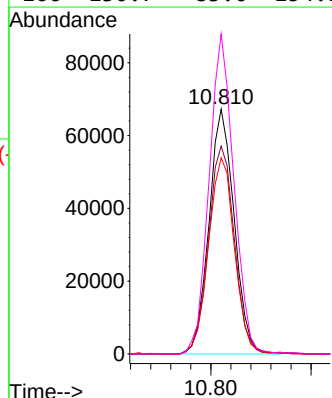
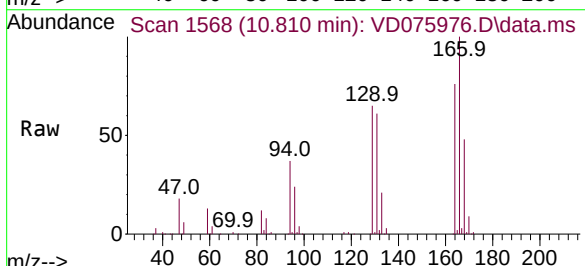
Ion Ratio Lower Upper

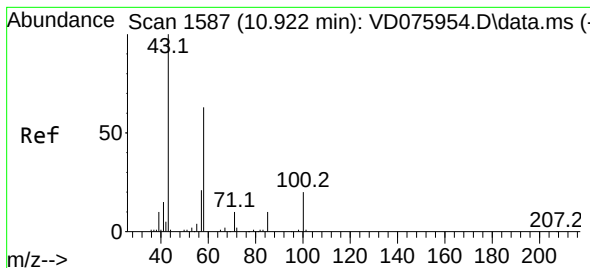
164 100

129 84.9 60.3 112.1

131 80.1 58.9 109.3

166 130.7 83.0 154.1





#48

2-Hexanone

Concen: 62.600 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

Lab File: VD075976.D

Acq: 03 May 2023 10:38

Instrument :

MSVOA_D

ClientSampleId :

VSTD025146

Tgt Ion: 43 Resp: 74228

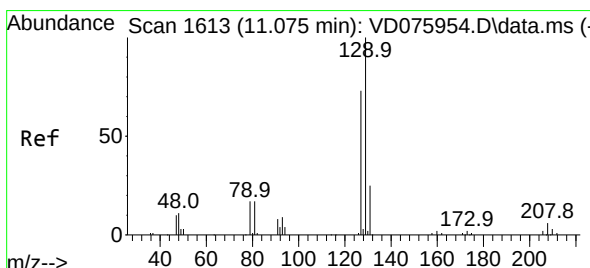
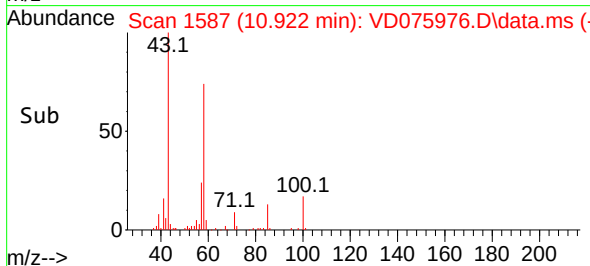
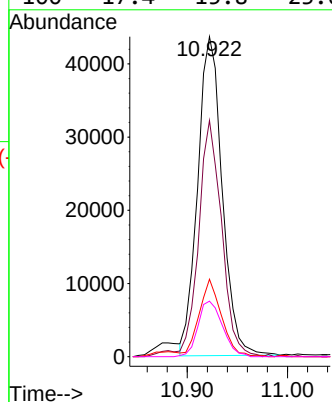
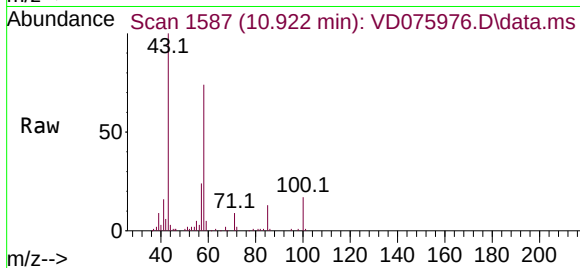
Ion Ratio Lower Upper

43 100

58 69.2 59.7 89.5

57 22.1 17.9 26.9

100 17.4 15.8 23.6



#49

Dibromochloromethane

Concen: 26.694 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD075976.D

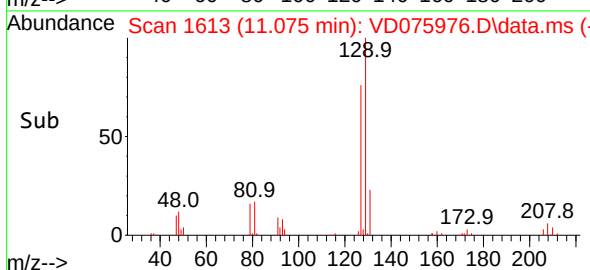
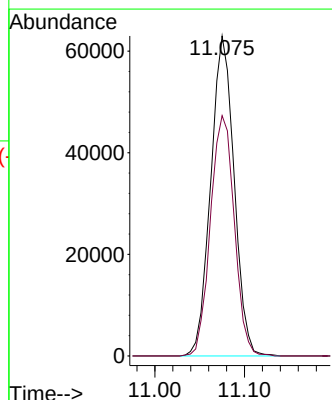
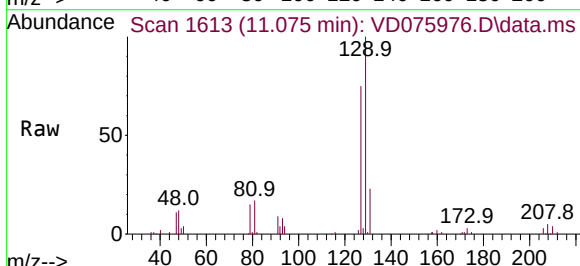
Acq: 03 May 2023 10:38

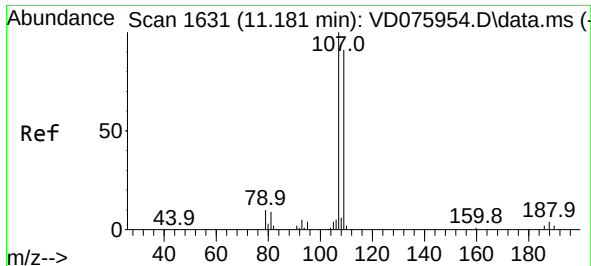
Tgt Ion: 129 Resp: 114053

Ion Ratio Lower Upper

129 100

127 75.1 55.6 103.4

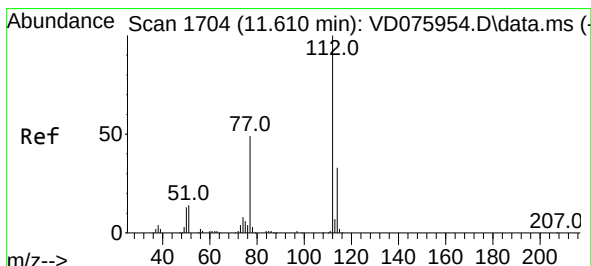
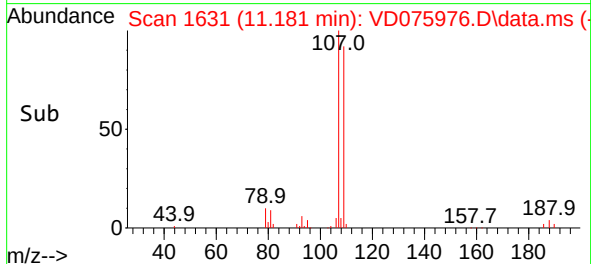
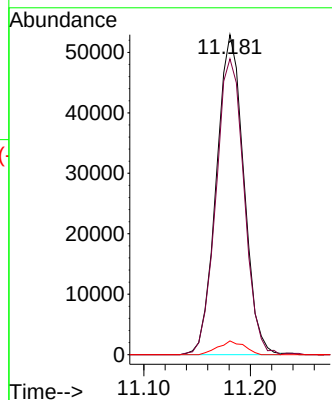
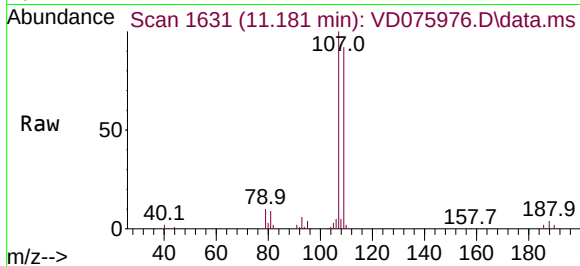




#50
1,2-Dibromoethane
Concen: 26.728 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

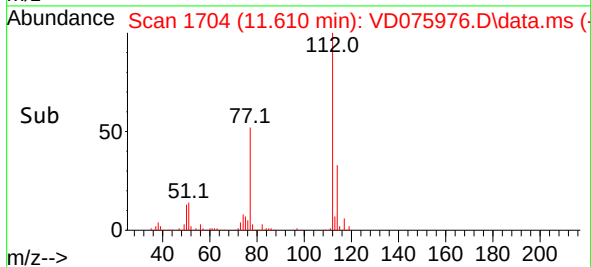
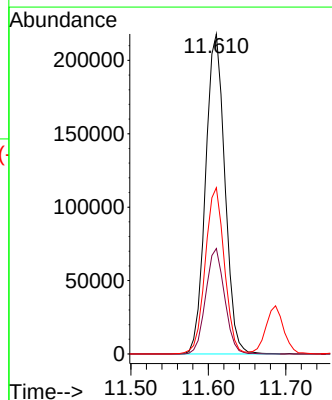
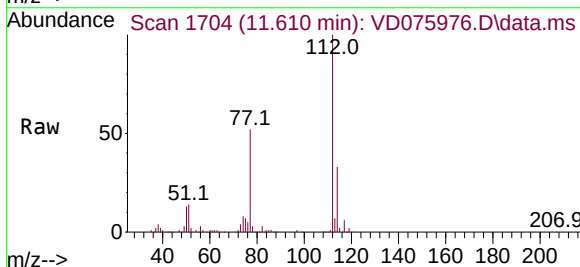
Instrument :
MSVOA_D
ClientSampleId :
VSTD025146

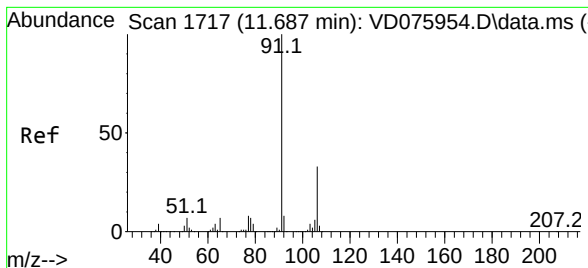
Tgt Ion:107 Resp: 94574
Ion Ratio Lower Upper
107 100
109 92.4 67.6 125.6
188 4.3 3.0 4.6



#51
Chlorobenzene
Concen: 26.523 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

Tgt Ion:112 Resp: 377101
Ion Ratio Lower Upper
112 100
114 33.0 23.0 42.8
77 52.0 39.7 59.5

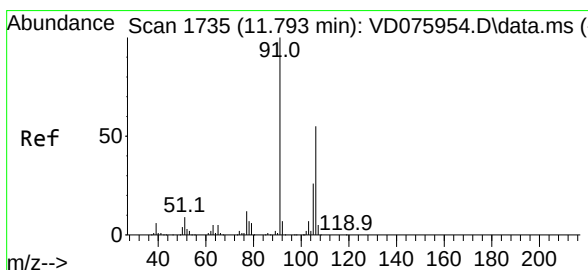
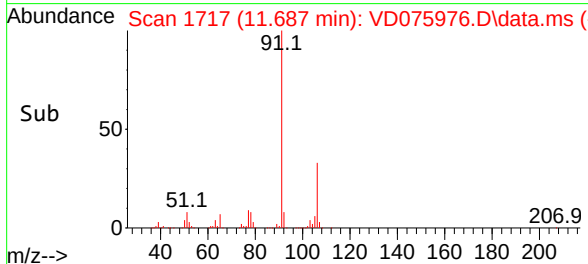
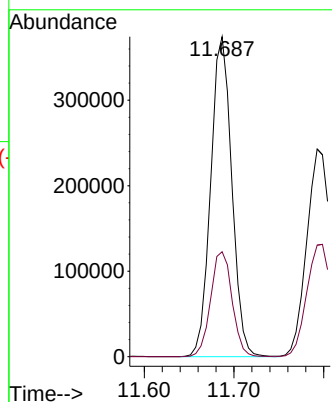
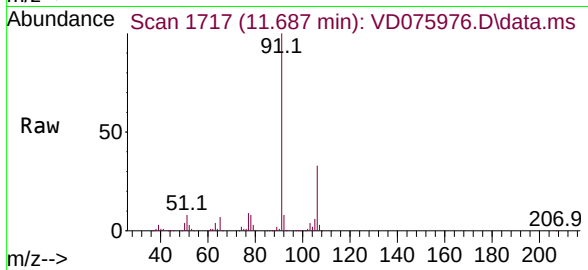




#52
Ethylbenzene
Concen: 27.443 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

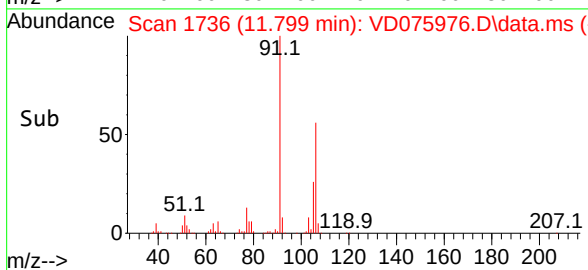
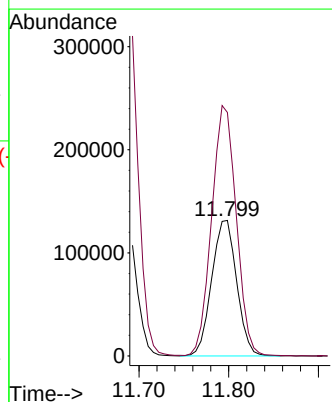
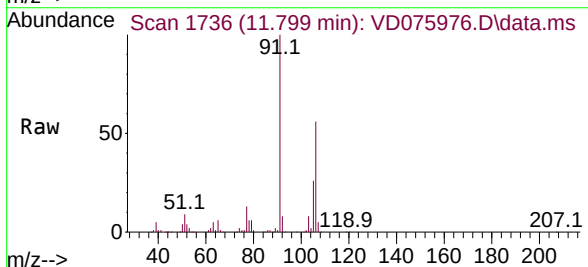
Instrument :
MSVOA_D
ClientSampleId :
VSTD025146

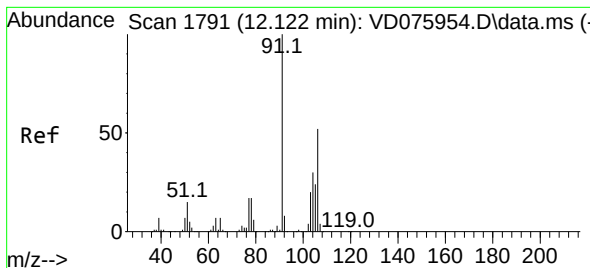
Tgt Ion: 91 Resp: 611585
Ion Ratio Lower Upper
91 100
106 32.8 23.7 43.9



#53
m,p-Xylene
Concen: 28.668 ug/L
RT: 11.799 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

Tgt Ion: 106 Resp: 254400
Ion Ratio Lower Upper
106 100
91 179.7 130.9 243.1





#54

o-Xylene

Concen: 27.447 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD075976.D

Acq: 03 May 2023 10:38

Instrument :

MSVOA_D

ClientSampleId :

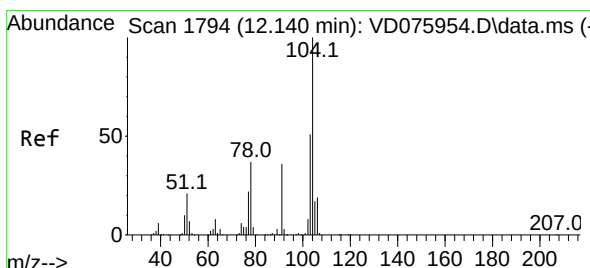
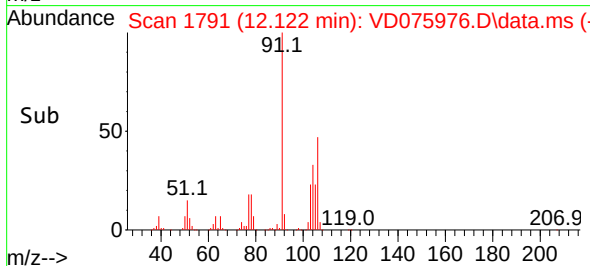
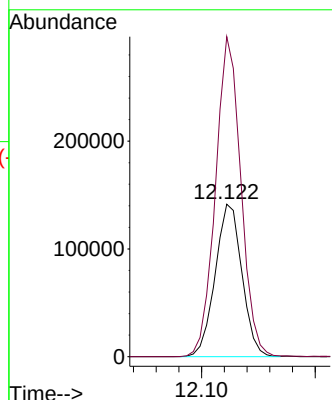
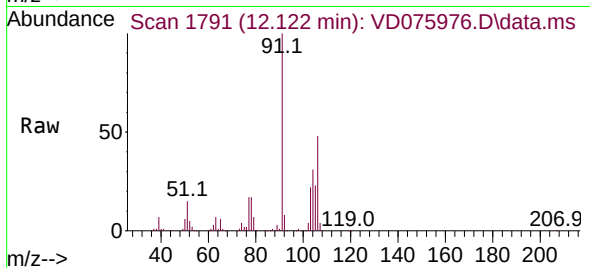
VSTD025146

Tgt Ion:106 Resp: 231340

Ion Ratio Lower Upper

106 100

91 210.0 139.8 259.6



#55

Styrene

Concen: 28.332 ug/L

RT: 12.140 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VD075976.D

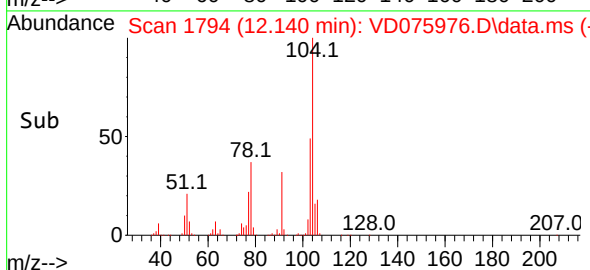
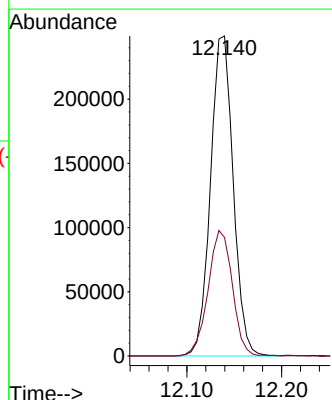
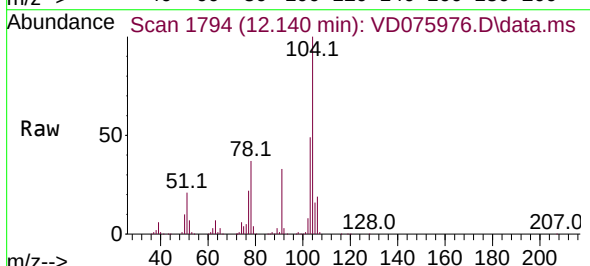
Acq: 03 May 2023 10:38

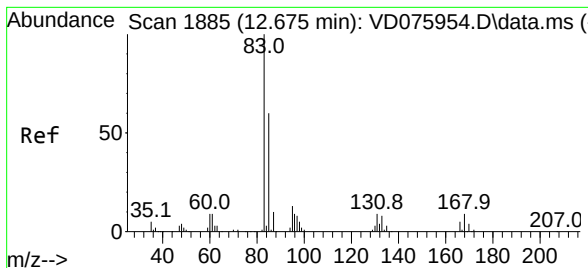
Tgt Ion:104 Resp: 415633

Ion Ratio Lower Upper

104 100

78 37.0 26.2 48.6

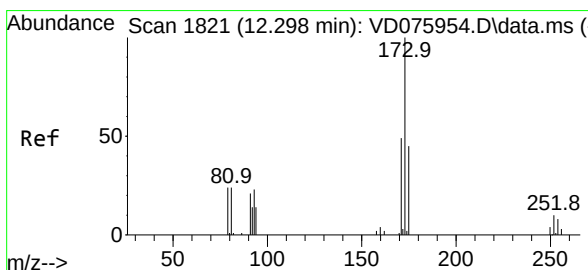
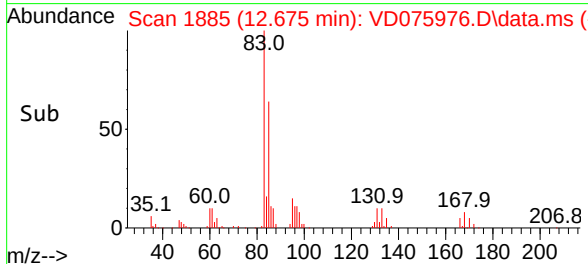
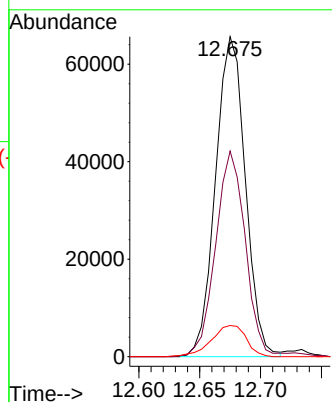
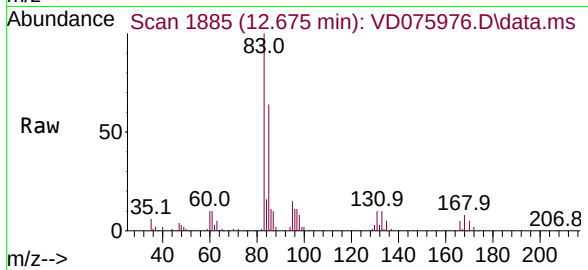




#57
1,1,2,2-Tetrachloroethane
Concen: 28.041 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

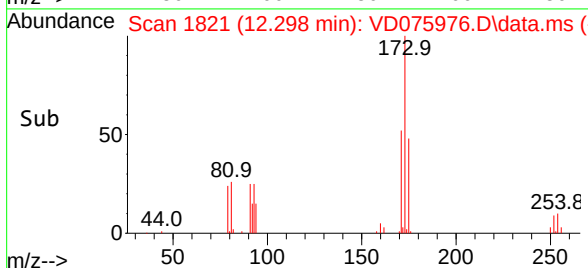
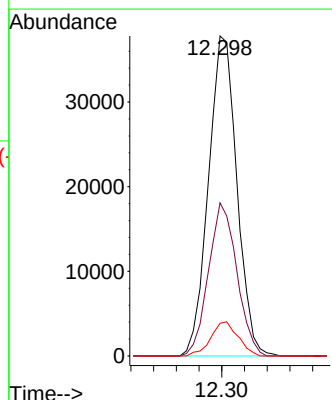
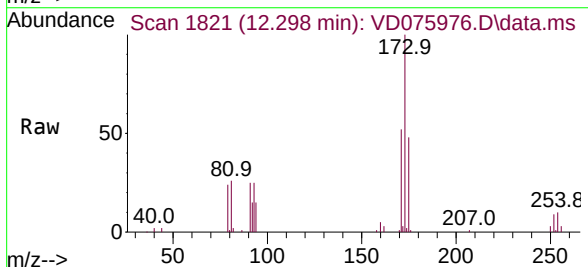
Instrument :
MSVOA_D
ClientSampleId :
VSTD025146

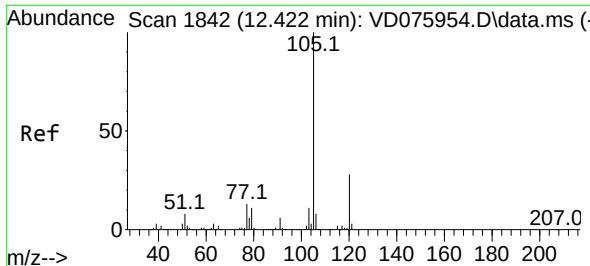
Tgt Ion: 83 Resp: 111976
Ion Ratio Lower Upper
83 100
85 64.3 45.1 83.7
131 9.8 7.0 10.6



#59
Bromoform
Concen: 24.918 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

Tgt Ion: 173 Resp: 65713
Ion Ratio Lower Upper
173 100
175 47.7 39.4 59.0
254 10.3 7.4 11.2

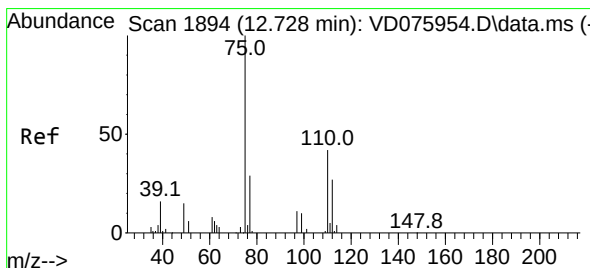
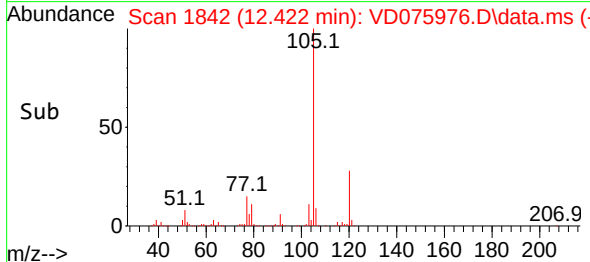
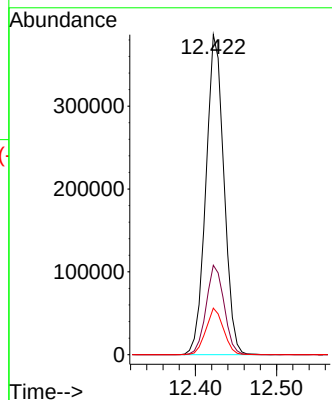
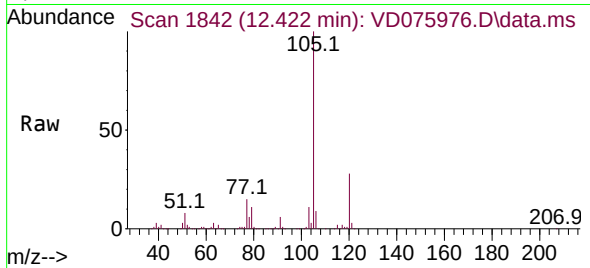




#60
Isopropylbenzene
Concen: 26.032 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

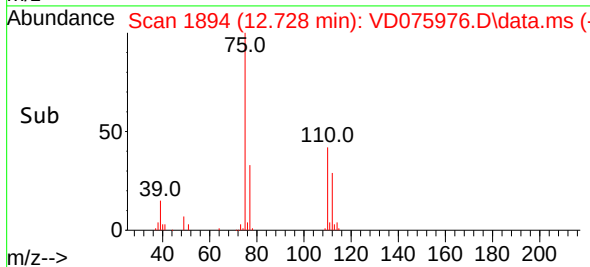
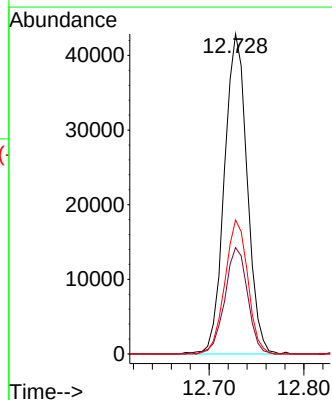
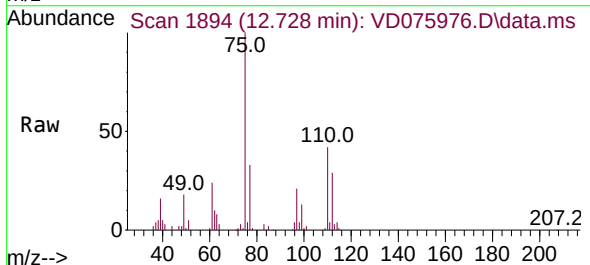
Instrument :
MSVOA_D
ClientSampleId :
VSTD025146

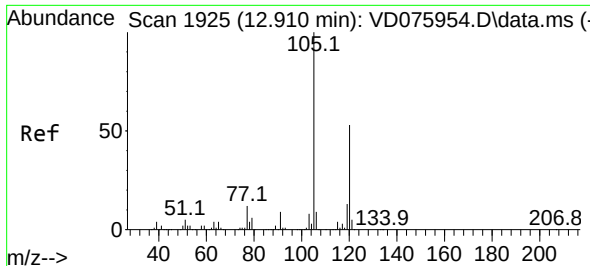
Tgt Ion:105 Resp: 593958
Ion Ratio Lower Upper
105 100
120 28.0 22.7 34.1
77 14.2 10.9 16.3



#61
1,2,3-Trichloropropane
Concen: 26.509 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

Tgt Ion: 75 Resp: 71656
Ion Ratio Lower Upper
75 100
77 33.3 26.6 39.8
110 41.9 33.5 50.3

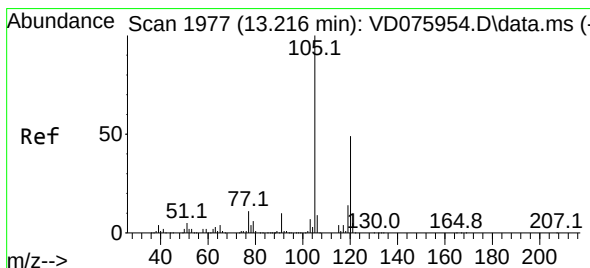
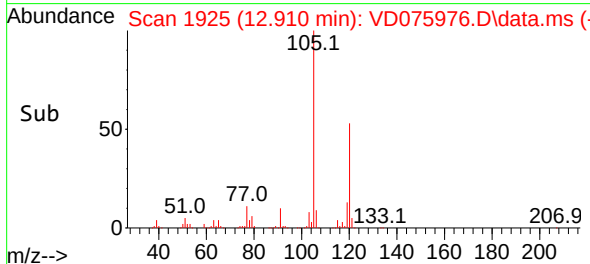
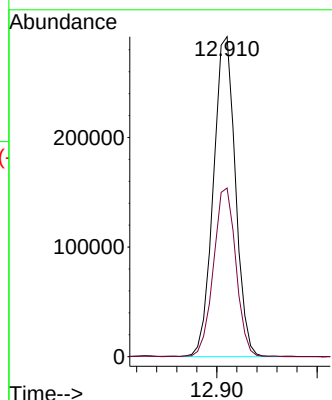
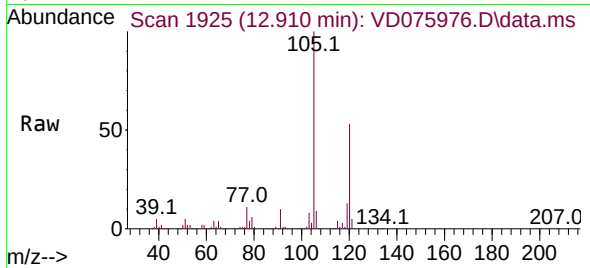




#62
1,3,5-Trimethylbenzene
Concen: 26.245 ug/L
RT: 12.910 min Scan# 1925
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

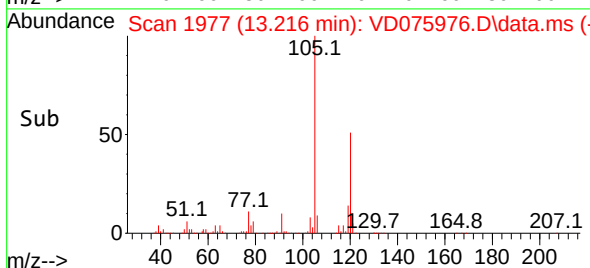
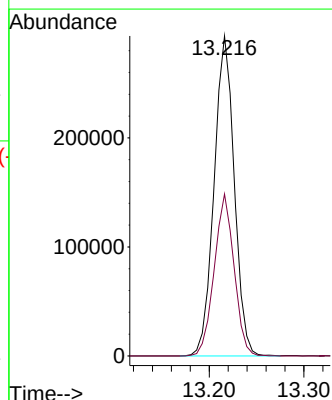
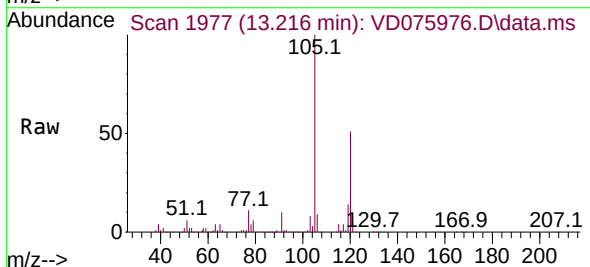
Instrument :
MSVOA_D
ClientSampleId :
VSTD025146

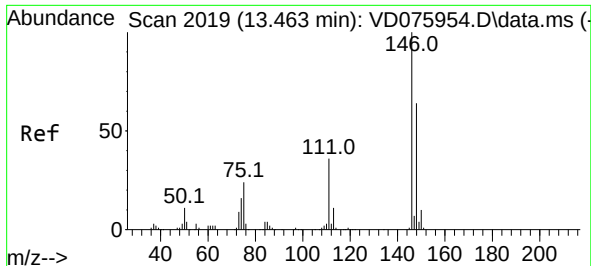
Tgt Ion:105 Resp: 446529
Ion Ratio Lower Upper
105 100
120 53.5 42.0 63.0



#63
1,2,4-Trimethylbenzene
Concen: 26.499 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

Tgt Ion:105 Resp: 434610
Ion Ratio Lower Upper
105 100
120 49.7 39.0 58.6

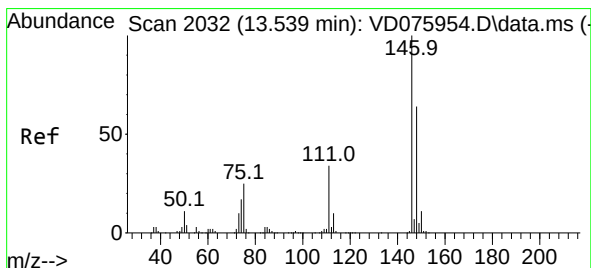
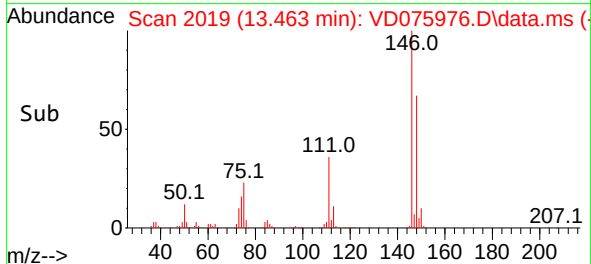
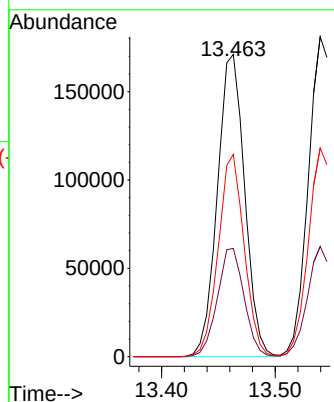
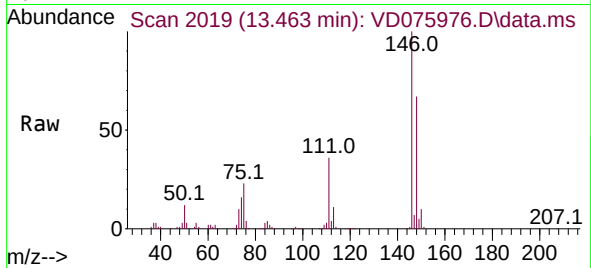




#64
1,3-Dichlorobenzene
Concen: 26.187 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

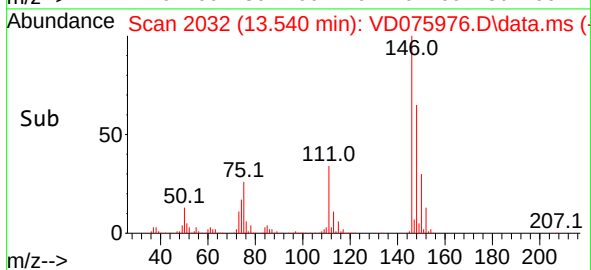
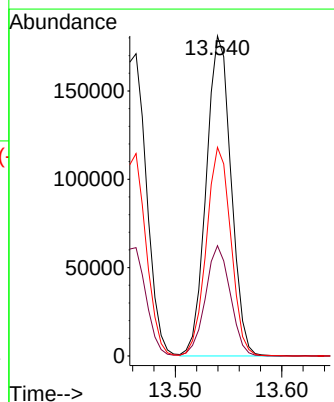
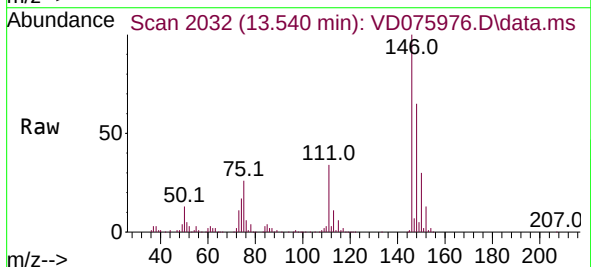
Instrument :
MSVOA_D
ClientSampleId :
VSTD025146

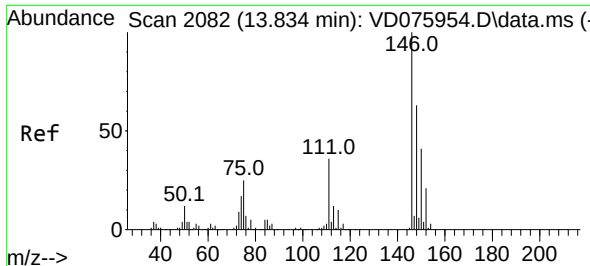
Tgt Ion:146 Resp: 285890
Ion Ratio Lower Upper
146 100
111 35.9 26.5 49.1
148 67.0 43.8 81.3



#65
1,4-Dichlorobenzene
Concen: 25.602 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

Tgt Ion:146 Resp: 293337
Ion Ratio Lower Upper
146 100
111 34.5 24.6 45.8
148 65.2 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 26.068 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD075976.D

Acq: 03 May 2023 10:38

Instrument :

MSVOA_D

ClientSampleId :

VSTD025146

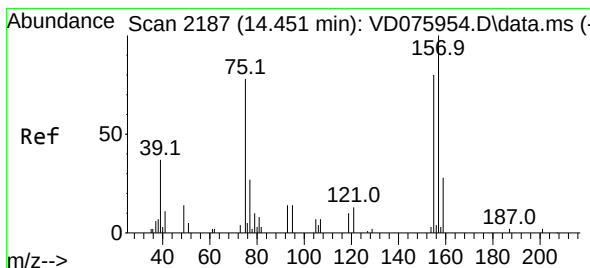
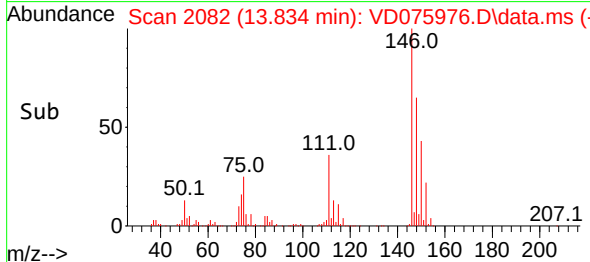
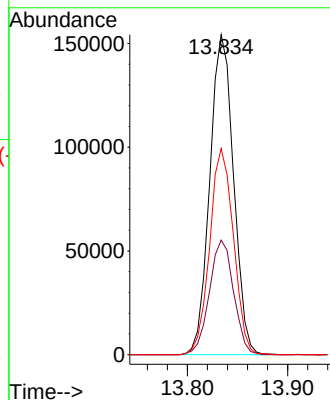
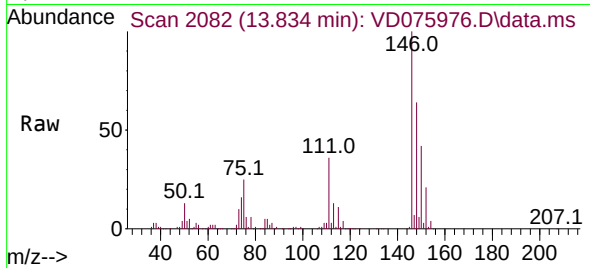
Tgt Ion:146 Resp: 254142

Ion Ratio Lower Upper

146 100

111 35.8 30.6 46.0

148 64.4 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 23.010 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VD075976.D

Acq: 03 May 2023 10:38

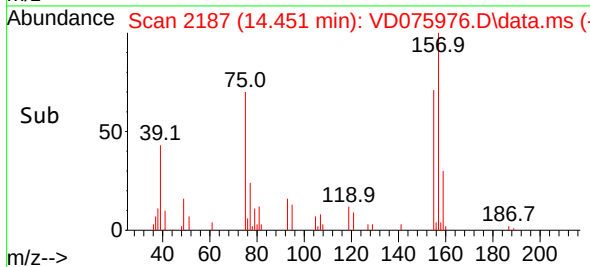
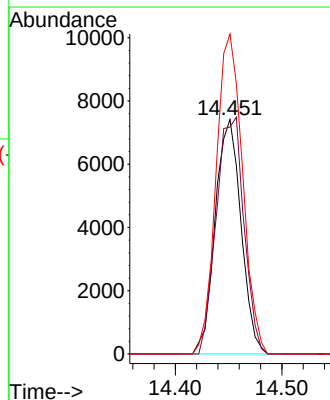
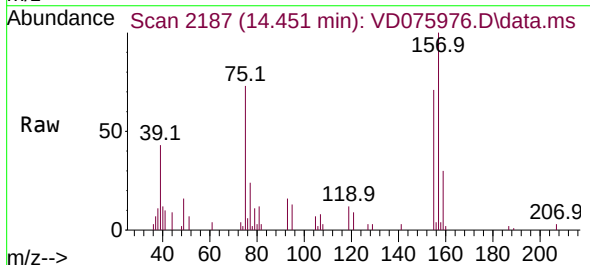
Tgt Ion: 75 Resp: 12434

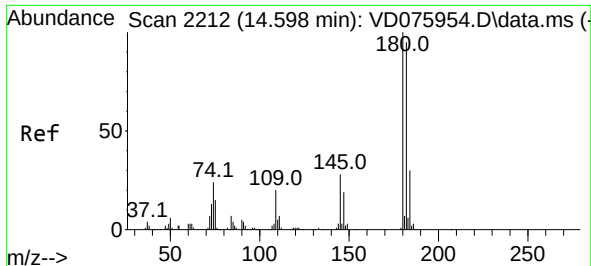
Ion Ratio Lower Upper

75 100

155 96.7 74.6 111.8

157 136.5 109.4 164.2





#69

1,3,5-Trichlorobenzene

Concen: 23.696 ug/L

RT: 14.598 min Scan# 2212

Delta R.T. 0.000 min

Lab File: VD075976.D

Acq: 03 May 2023 10:38

Instrument :

MSVOA_D

ClientSampleId :

VSTD025146

Tgt Ion:180 Resp: 173388

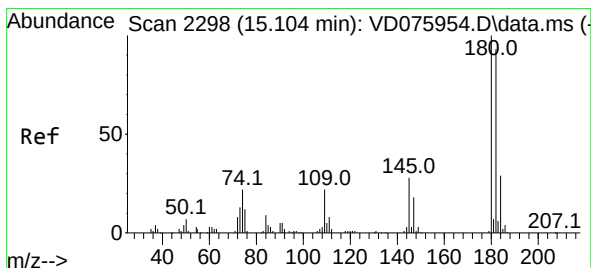
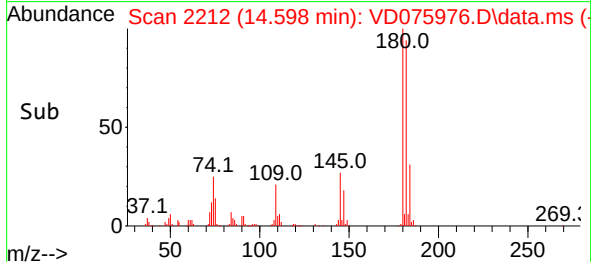
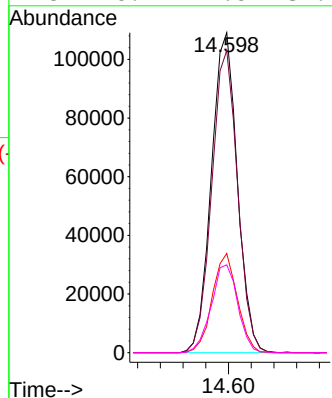
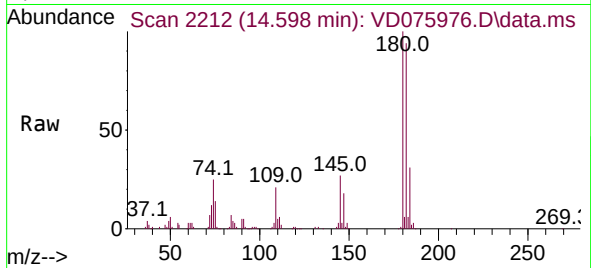
Ion Ratio Lower Upper

180 100

182 94.0 74.9 112.3

184 30.0 25.0 37.4

145 28.1 22.8 34.2



#70

1,2,4-trichlorobenzene

Concen: 22.509 ug/L

RT: 15.104 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VD075976.D

Acq: 03 May 2023 10:38

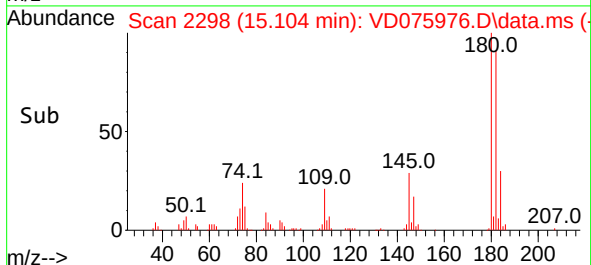
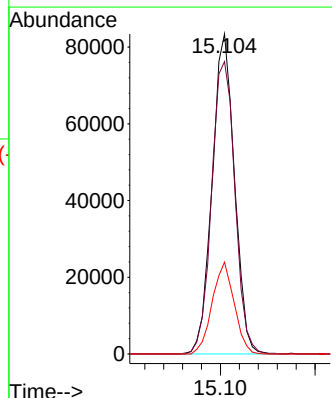
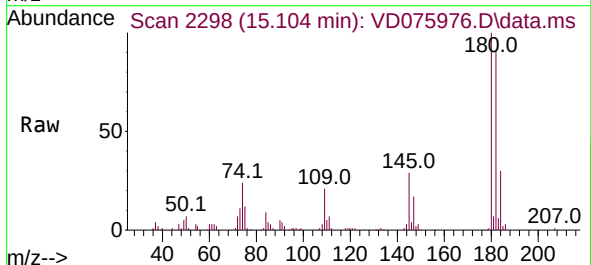
Tgt Ion:180 Resp: 136493

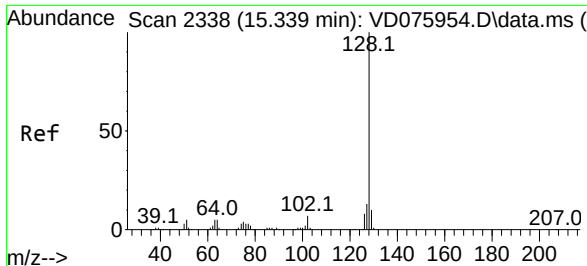
Ion Ratio Lower Upper

180 100

182 95.5 75.4 113.2

145 28.2 23.6 35.4

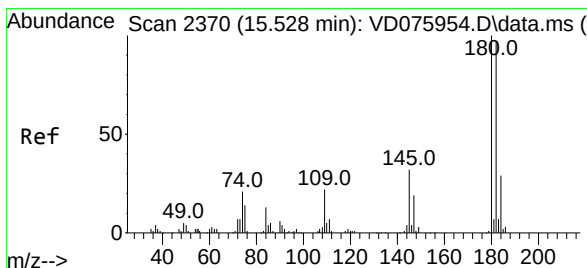
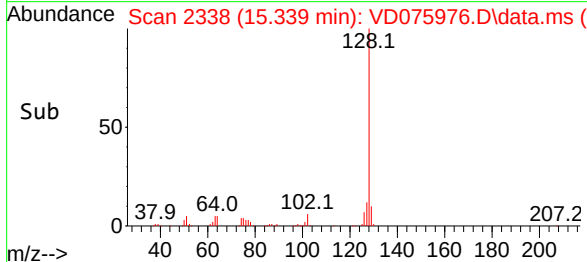
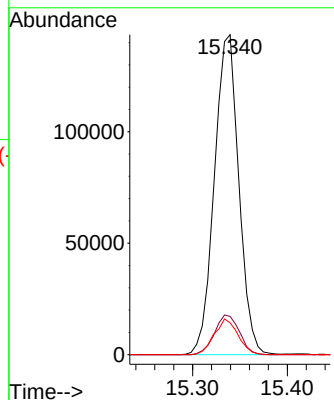
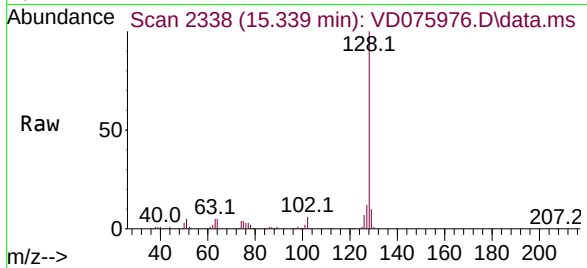




#71
Naphthalene
Concen: 23.200 ug/L
RT: 15.339 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTD025146

Tgt Ion:128 Resp: 257450
Ion Ratio Lower Upper
128 100
127 12.6 10.5 15.7
129 10.8 9.1 13.7



#72
1,2,3-Trichlorobenzene
Concen: 24.232 ug/L
RT: 15.528 min Scan# 2370
Delta R.T. 0.000 min
Lab File: VD075976.D
Acq: 03 May 2023 10:38

Tgt Ion:180 Resp: 131165
Ion Ratio Lower Upper
180 100
182 93.8 76.3 114.5
145 29.6 25.0 37.6

