

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050423\
 Data File : VD076014.D
 Acq On : 04 May 2023 19:58
 Operator : KP/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025149

Quant Time: May 05 00:52:06 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	349318	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	325527	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	169899	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	155742	20.324	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.280%
7) Chloroethane-d5	2.799	69	142700	21.552	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.200%
11) 1,1-Dichloroethene-d2	3.916	65	37681	21.328	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.320%
21) 2-Butanone-d5	6.993	46	42948	64.559	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.120%
24) Chloroform-d	7.569	84	211369	24.197	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	8.234	65	95202	25.521	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.080%
32) Benzene-d6	8.199	84	437149	23.040	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.160%
36) 1,2-Dichloropropane-d6	9.210	67	130021	24.758	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.040%
41) Toluene-d8	10.269	98	404128	22.752	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.000%
43) trans-1,3-Dichloroprop...	10.522	79	50955	23.474	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.880%
47) 2-Hexanone-d5	10.881	63	38004	60.102	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.200%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	114130	28.400	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.600%
66) 1,2-Dichlorobenzene-d4	13.816	152	135749	22.589	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.360%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	136055	28.253	ug/L	97
3) Chloromethane	2.146	50	208825	31.107	ug/L	99
5) Vinyl chloride	2.281	62	248342	28.305	ug/L	100
6) Bromomethane	2.687	94	127936	21.701	ug/L	98
8) Chloroethane	2.834	64	159276	28.070	ug/L	98
9) Trichlorofluoromethane	3.169	101	193456	27.442	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	136895	28.905	ug/L	96
12) 1,1-Dichloroethene	3.940	96	123918	26.980	ug/L #	81
13) Acetone	4.016	43	34806	61.138	ug/L	96
14) Carbon disulfide	4.263	76	415140	25.878	ug/L	97
15) Methyl Acetate	4.558	43	42289	34.275	ug/L #	59
16) Methylene chloride	4.799	84	154438	21.794	ug/L	94
17) trans-1,2-Dichloroethene	5.310	96	135056	26.224	ug/L	95
18) Methyl tert-butyl Ether	5.322	73	240232	29.080	ug/L	97
19) 1,1-Dichloroethane	6.105	63	220860	29.274	ug/L	97
20) cis-1,2-Dichloroethene	7.081	96	148839	27.332	ug/L	96
22) 2-Butanone	7.081	43	51998	70.060	ug/L	94
23) Bromochloromethane	7.422	128	73094	28.942	ug/L	93
25) Chloroform	7.593	83	234064	27.681	ug/L	99

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 Response via : Initial Calibration

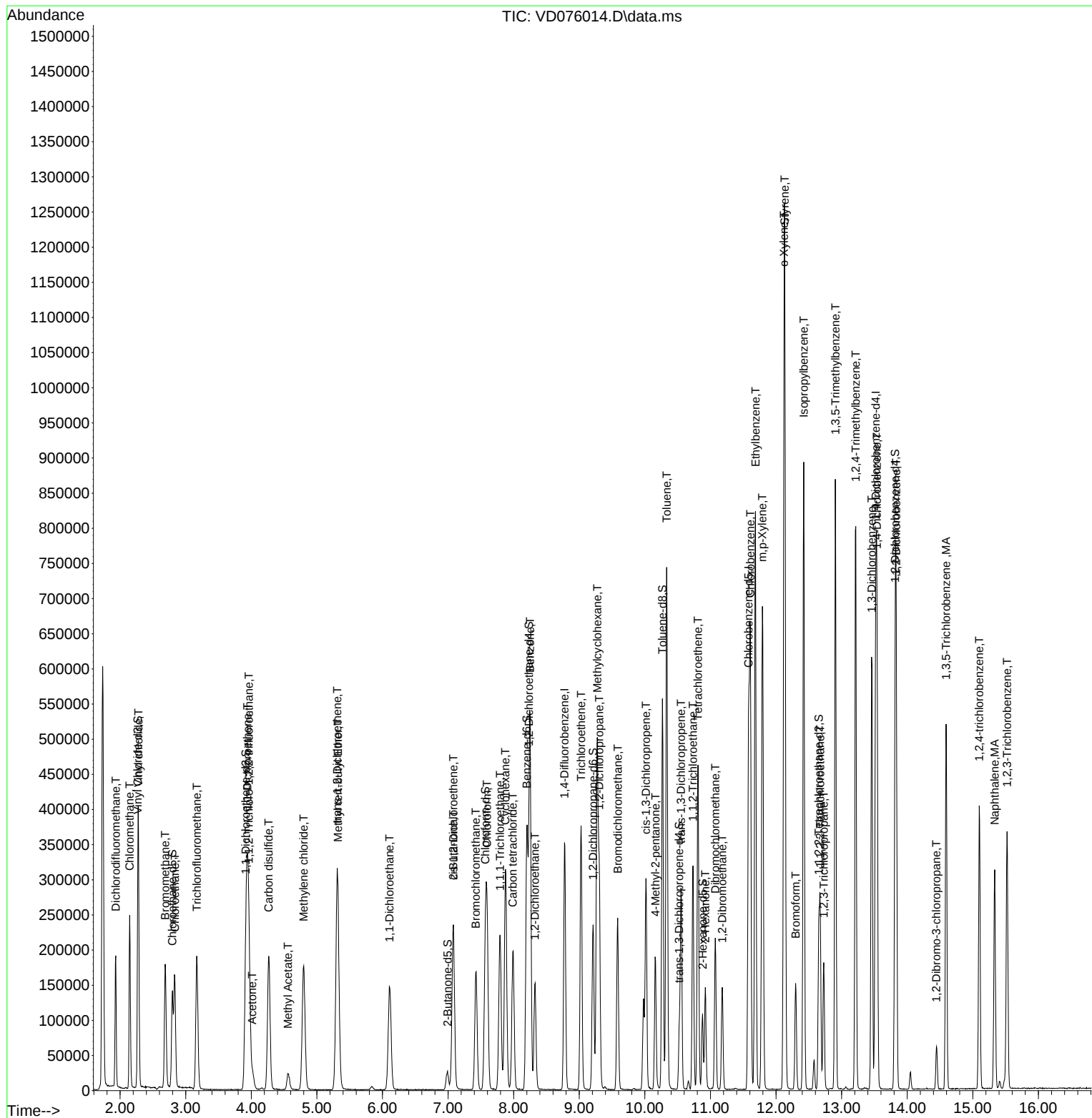
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	131382	30.102	ug/L	100
29) Cyclohexane	7.875	56	168899	30.308	ug/L	91
30) 1,1,1-Trichloroethane	7.793	97	187568	27.234	ug/L	98
31) Carbon tetrachloride	7.987	117	154837	28.021	ug/L	98
33) Benzene	8.252	78	541447	27.498	ug/L	100
34) Trichloroethene	9.028	95	132375	25.996	ug/L	95
35) Methylcyclohexane	9.275	83	222465	28.336	ug/L	97
37) 1,2-Dichloropropane	9.304	63	136352	30.146	ug/L	98
38) Bromodichloromethane	9.587	83	174015	28.533	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	195497	27.177	ug/L	97
40) 4-Methyl-2-pentanone	10.163	43	113319	68.715	ug/L	99
42) Toluene	10.334	91	600738	28.192	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	167467	28.980	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	109876	28.554	ug/L	93
46) Tetrachloroethene	10.810	164	117062	28.028	ug/L	93
48) 2-Hexanone	10.922	43	83693	71.988	ug/L	92
49) Dibromochloromethane	11.075	129	118077	28.187	ug/L	93
50) 1,2-Dibromoethane	11.181	107	99360	28.640	ug/L	98
51) Chlorobenzene	11.610	112	381204	27.346	ug/L	98
52) Ethylbenzene	11.687	91	611158	27.970	ug/L	100
53) m,p-Xylene	11.793	106	244594	28.112	ug/L	96
54) o-Xylene	12.122	106	233858	28.298	ug/L	98
55) Styrene	12.134	104	420771	29.254	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	120548	30.789	ug/L	99
59) Bromoform	12.298	173	70266	26.985	ug/L	99
60) Isopropylbenzene	12.422	105	592486	26.300	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	77595	29.073	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	454830	27.075	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	438731	27.093	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	283930	26.341	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	296998	26.253	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	256730	26.671	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	15169	28.430	ug/L	88
69) 1,3,5-Trichlorobenzene	14.592	180	172521	23.879	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	138675	23.162	ug/L	98
71) Naphthalene	15.333	128	283271	25.854	ug/L	100
72) 1,2,3-Trichlorobenzene	15.522	180	134863	25.234	ug/L	99

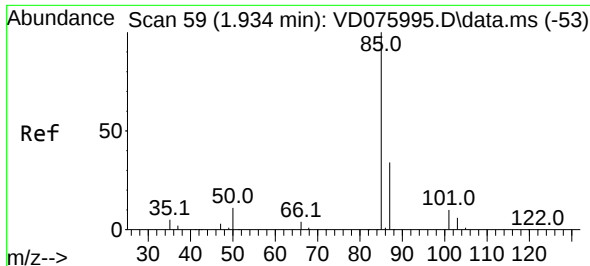
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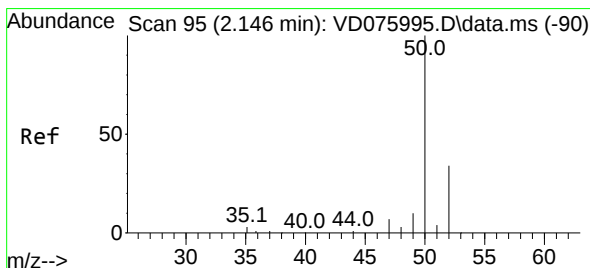
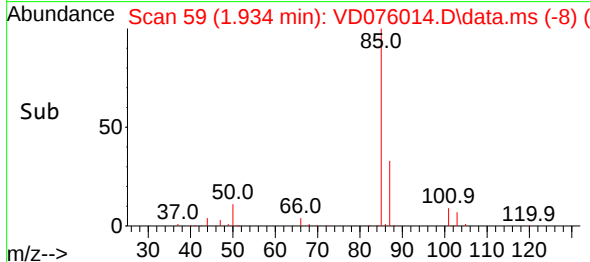
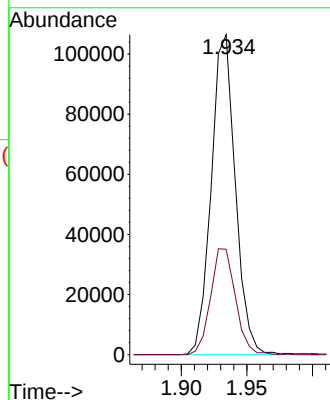
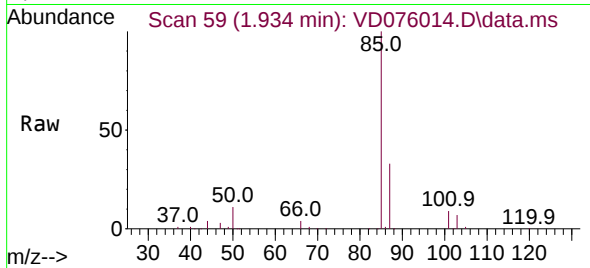




#2
 Dichlorodifluoromethane
 Concen: 28.253 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: VD076014.D
 Acq: 04 May 2023 19:58

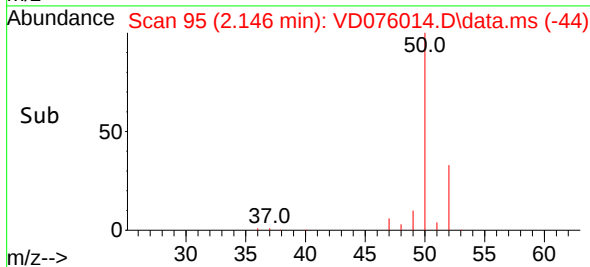
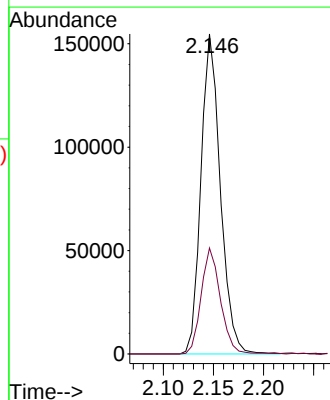
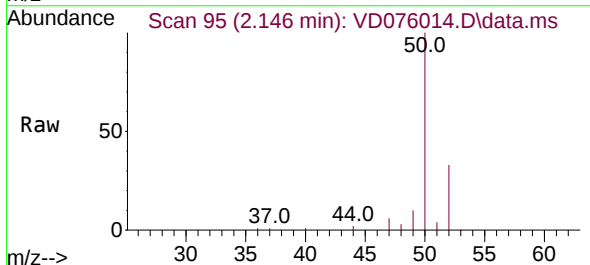
Instrument :
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 ClientSampleId :
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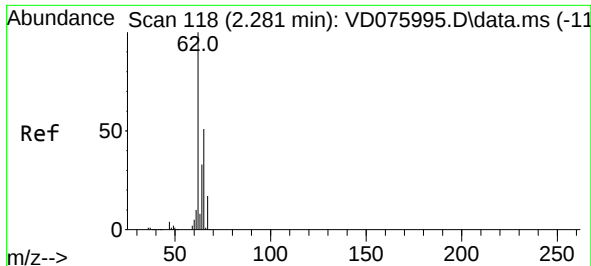
Tgt Ion: 85 Resp: 136055
 Ion Ratio Lower Upper
 85 100
 87 34.1 25.8 38.8



#3
 Chloromethane
 Concen: 31.107 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. -0.000 min
 Lab File: VD076014.D
 Acq: 04 May 2023 19:58

Tgt Ion: 50 Resp: 208825
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.7 44.1

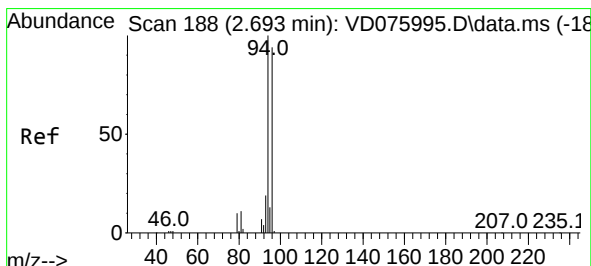
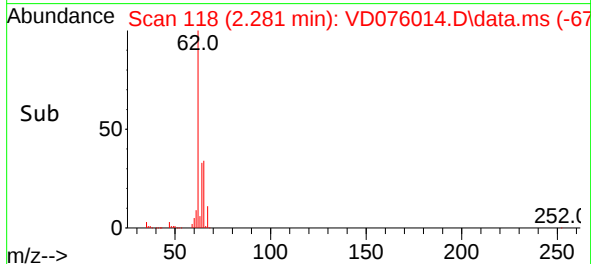
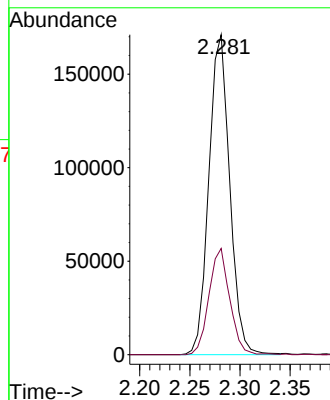
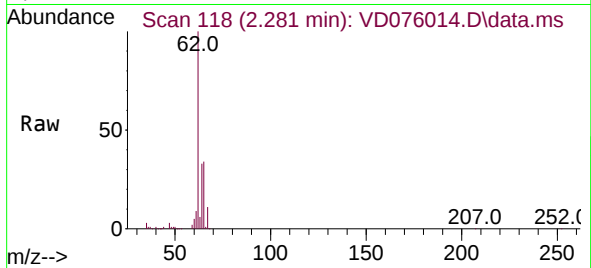




#5
Vinyl chloride
Concen: 28.305 ug/L
RT: 2.281 min Scan# 118
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

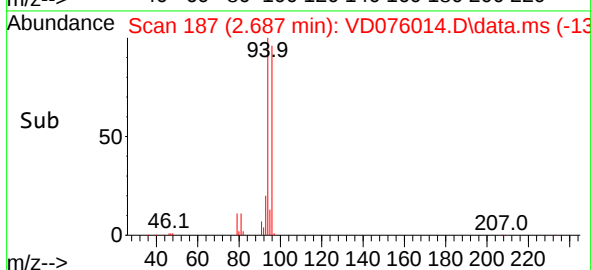
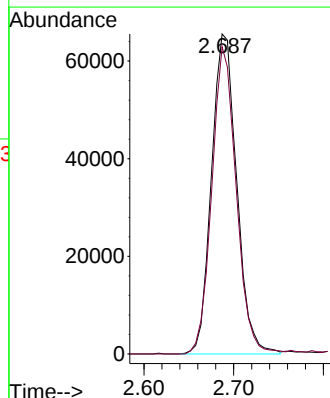
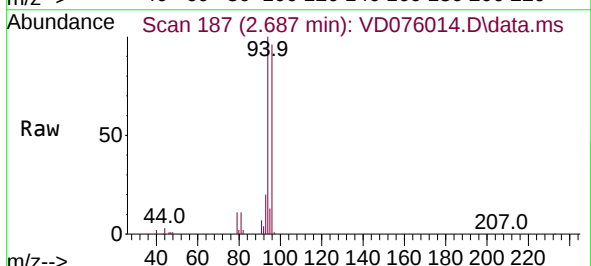
Instrument :
MSVOA_D
ClientSampleId :
VSTD025149

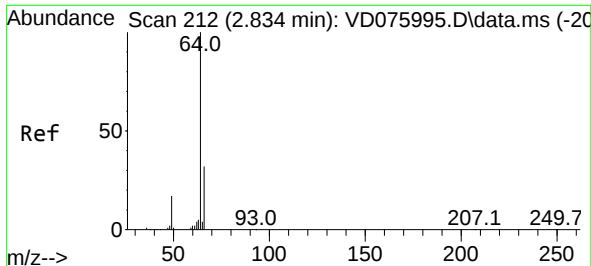
Tgt Ion: 62 Resp: 248342
Ion Ratio Lower Upper
62 100
64 33.2 23.2 43.0



#6
Bromomethane
Concen: 21.701 ug/L
RT: 2.687 min Scan# 187
Delta R.T. -0.006 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

Tgt Ion: 94 Resp: 127936
Ion Ratio Lower Upper
94 100
96 96.0 65.7 121.9

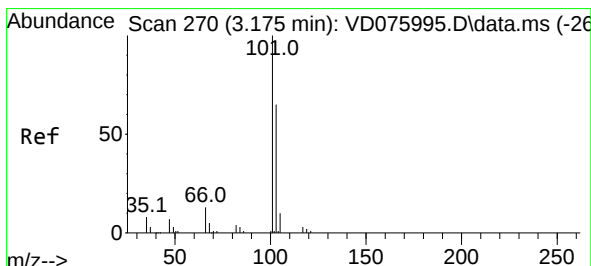
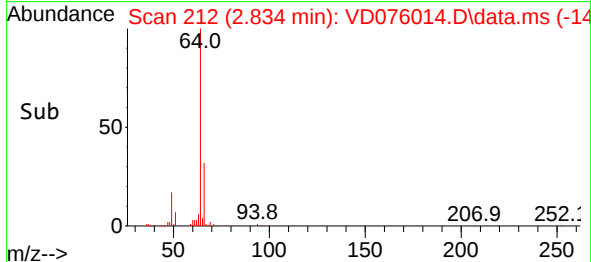
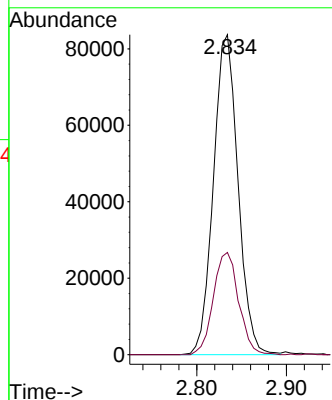
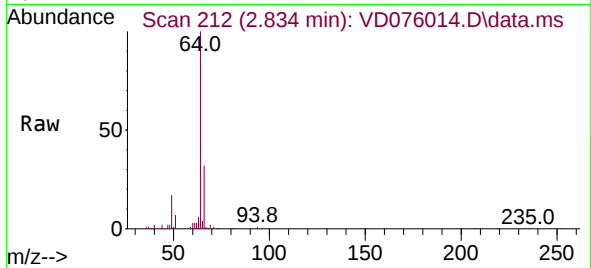




#8
Chloroethane
Concen: 28.070 ug/L
RT: 2.834 min Scan# 212
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

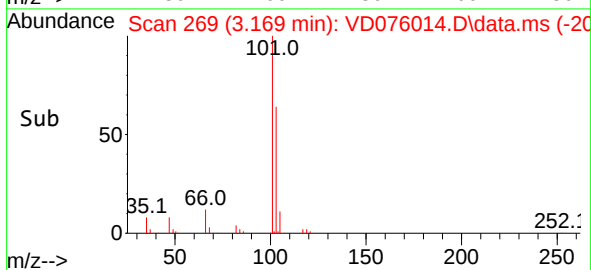
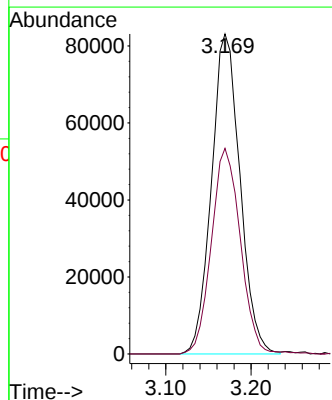
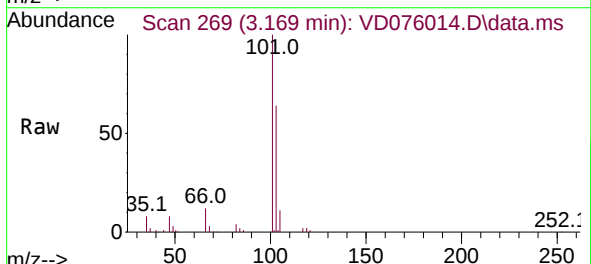
Instrument :
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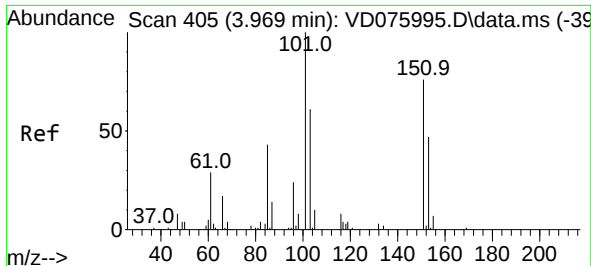
Tgt Ion: 64 Resp: 159276
Ion Ratio Lower Upper
64 100
66 32.0 21.8 40.4



#9
Trichlorofluoromethane
Concen: 27.442 ug/L
RT: 3.169 min Scan# 269
Delta R.T. -0.006 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

Tgt Ion:101 Resp: 193456
Ion Ratio Lower Upper
101 100
103 65.0 52.2 78.4

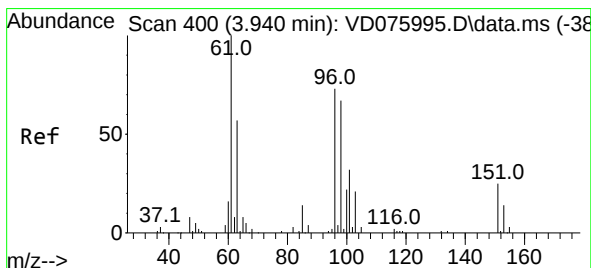
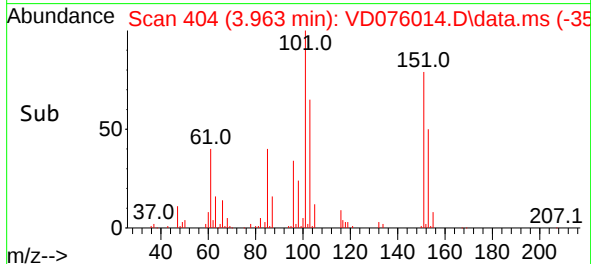
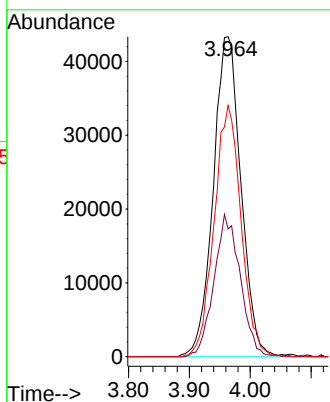
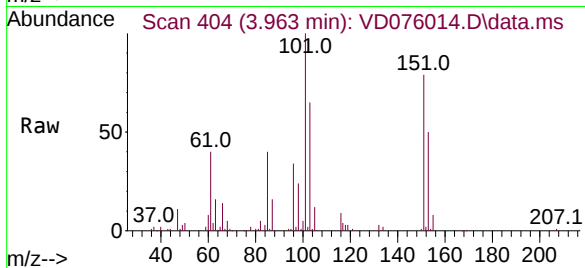




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 28.905 ug/L
RT: 3.963 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

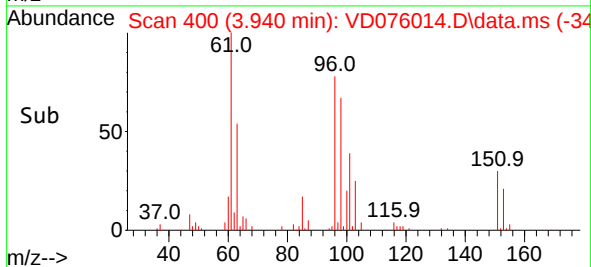
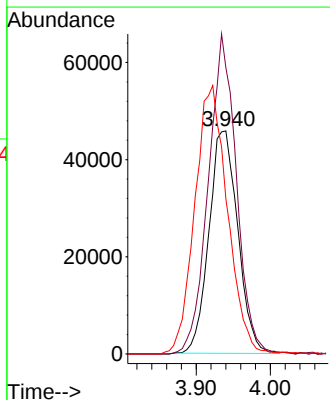
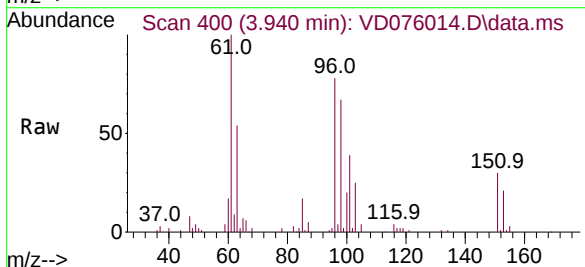
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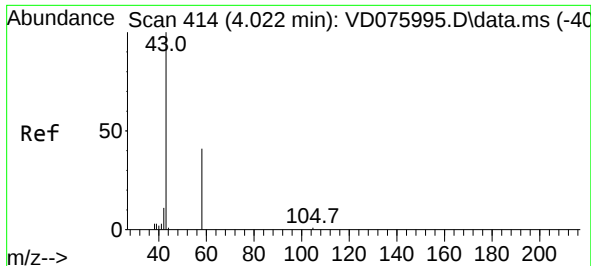
Tgt Ion:101 Resp: 136895
Ion Ratio Lower Upper
101 100
85 42.1 32.9 49.3
151 76.5 57.2 85.8



#12
1,1-Dichloroethene
Concen: 26.980 ug/L
RT: 3.940 min Scan# 400
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

Tgt Ion: 96 Resp: 123918
Ion Ratio Lower Upper
96 100
61 128.4 92.6 172.0
63 69.5 77.4 143.8





#13

Acetone

Concen: 61.138 ug/L

RT: 4.016 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD076014.D

Acq: 04 May 2023 19:58

Instrument :

MSVOA_D

ClientSampleId :

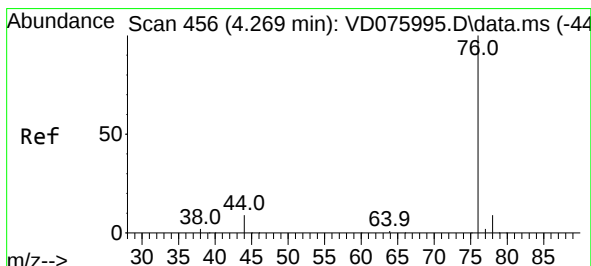
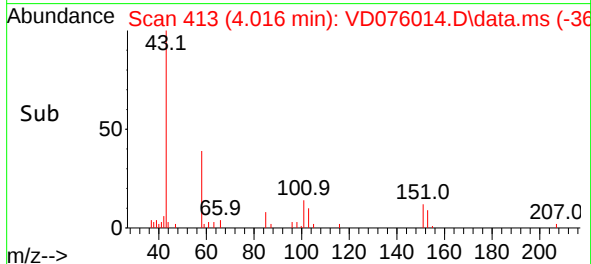
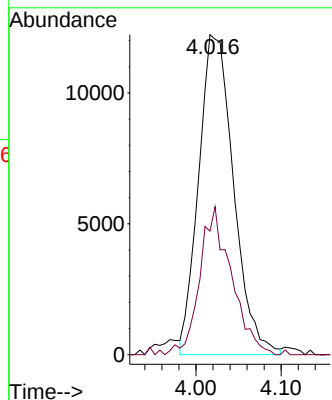
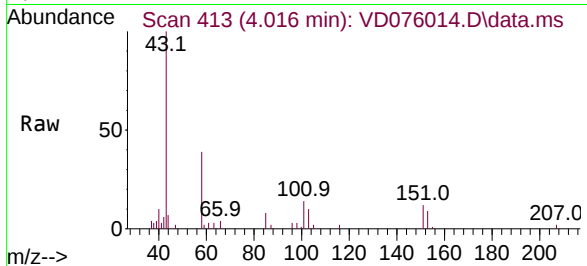
VSTD025149

Tgt Ion: 43 Resp: 34806

Ion Ratio Lower Upper

43 100

58 41.1 0.0 87.4



#14

Carbon disulfide

Concen: 25.878 ug/L

RT: 4.263 min Scan# 455

Delta R.T. -0.006 min

Lab File: VD076014.D

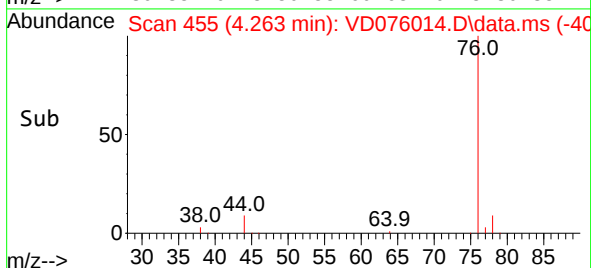
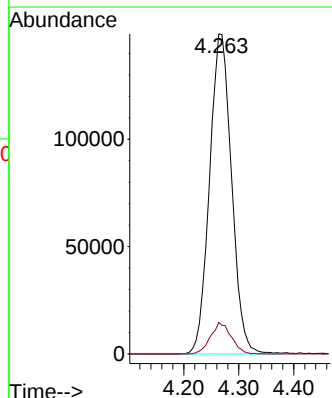
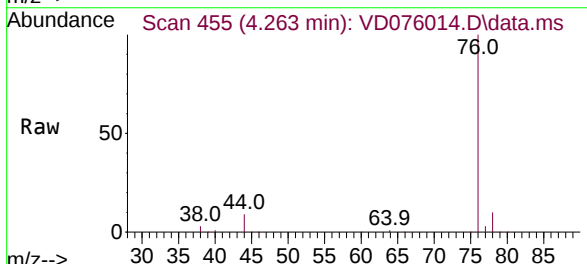
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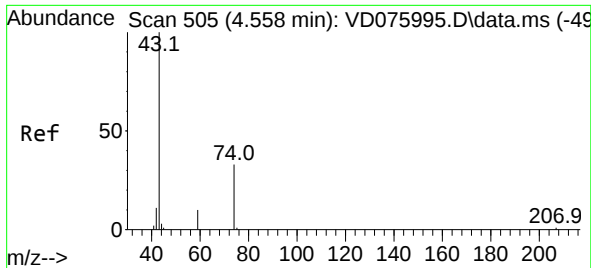
Tgt Ion: 76 Resp: 415140

Ion Ratio Lower Upper

76 100

78 9.8 7.0 10.6

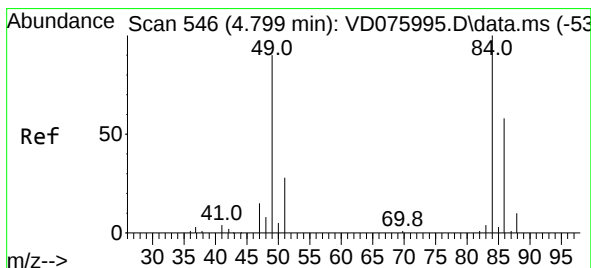
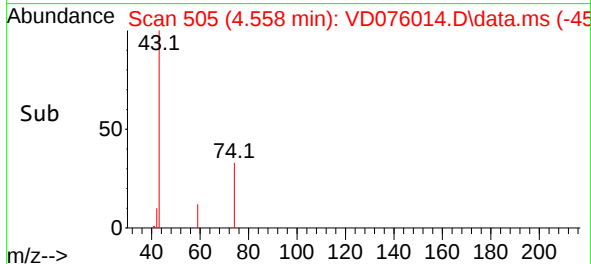
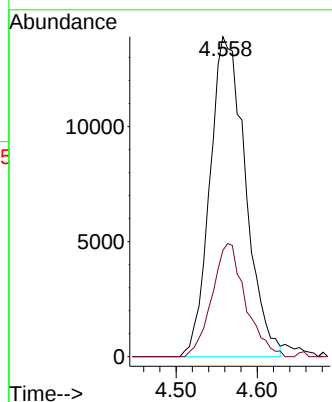
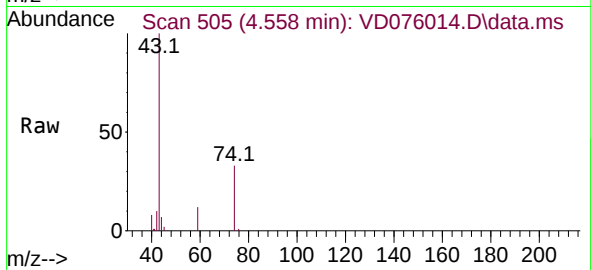




#15
Methyl Acetate
Concen: 34.275 ug/L
RT: 4.558 min Scan# 505
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

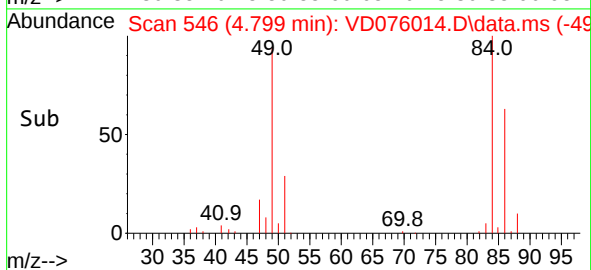
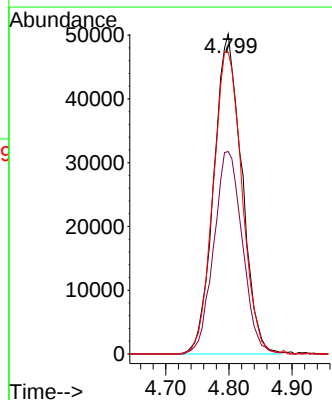
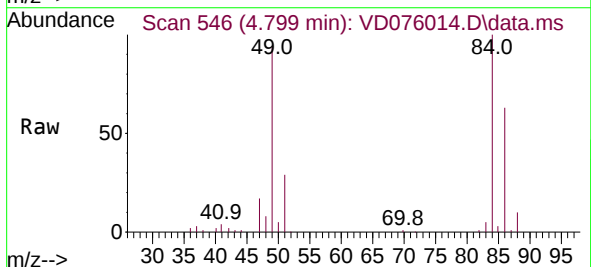
Instrument :
MSVOA_D
ClientSampleId :
VSTD025149

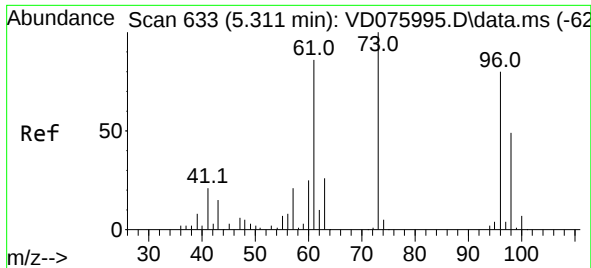
Tgt Ion: 43 Resp: 42289
Ion Ratio Lower Upper
43 100
74 33.3 12.8 19.2#



#16
Methylene chloride
Concen: 21.794 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

Tgt Ion: 84 Resp: 154438
Ion Ratio Lower Upper
84 100
86 63.3 45.8 85.2
49 94.4 60.8 112.8





#17

trans-1,2-Dichloroethene

Concen: 26.224 ug/L

RT: 5.310 min Scan# 61

Delta R.T. -0.000 min

Lab File: VD076014.D

Acq: 04 May 2023 19:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD025149

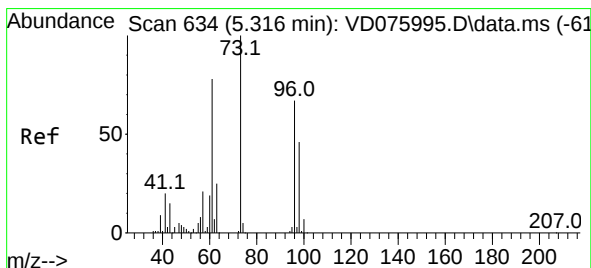
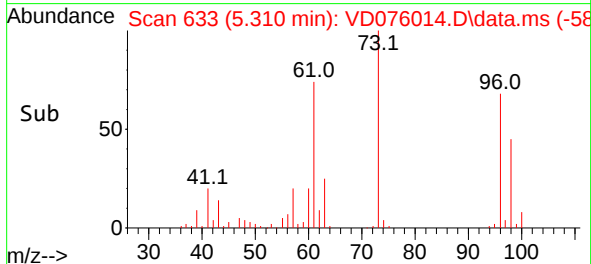
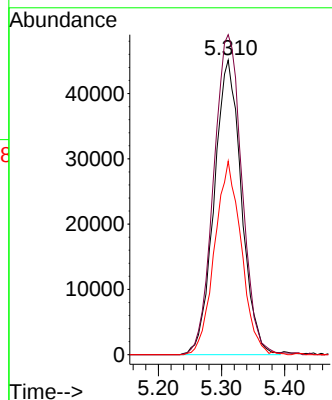
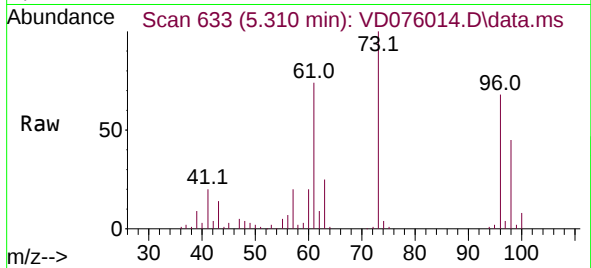
Tgt Ion: 96 Resp: 135056

Ion Ratio Lower Upper

96 100

61 108.7 72.9 135.5

98 65.7 43.0 79.8



#18

Methyl tert-butyl Ether

Concen: 29.080 ug/L

RT: 5.322 min Scan# 635

Delta R.T. 0.006 min

Lab File: VD076014.D

Acq: 04 May 2023 19:58

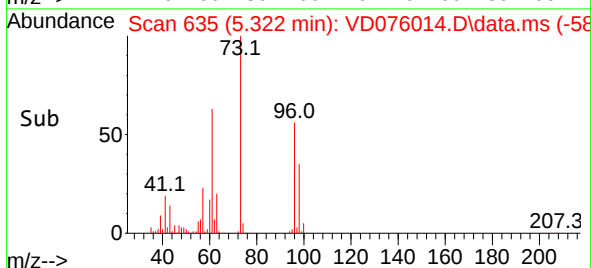
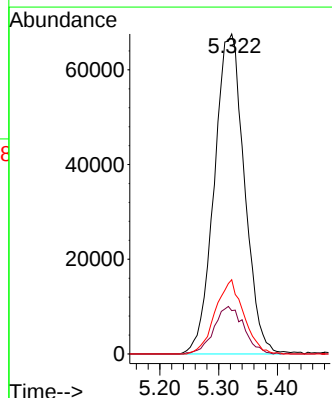
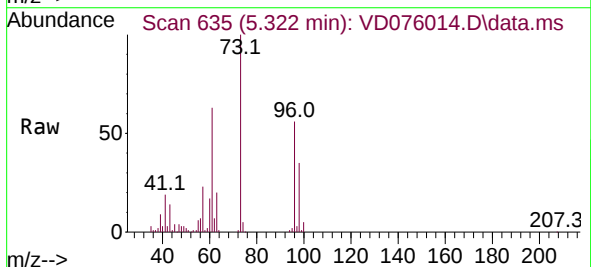
Tgt Ion: 73 Resp: 240232

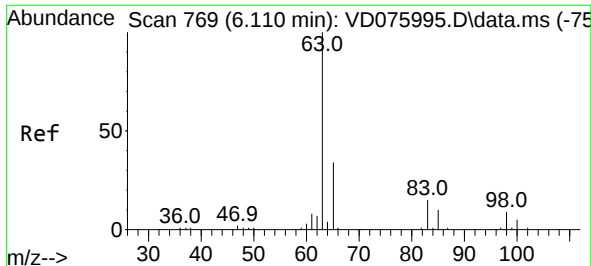
Ion Ratio Lower Upper

73 100

43 14.8 11.3 16.9

57 21.9 16.3 24.5





#19

1,1-Dichloroethane

Concen: 29.274 ug/L

RT: 6.105 min Scan# 7

Delta R.T. -0.006 min

Lab File: VD076014.D

Acq: 04 May 2023 19:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD025149

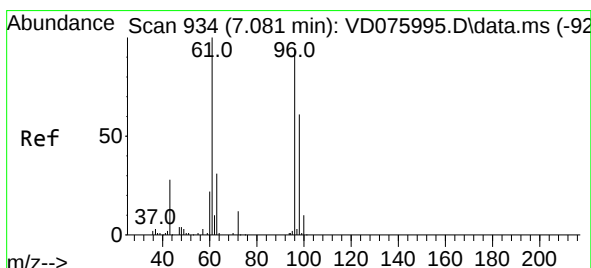
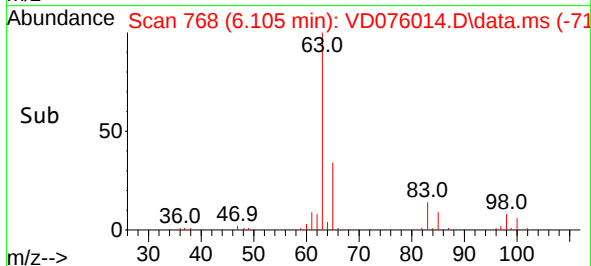
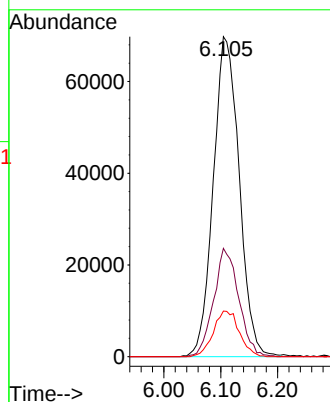
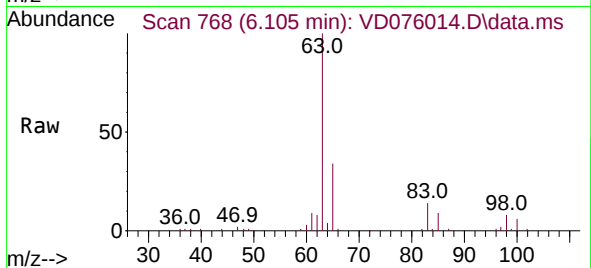
Tgt Ion: 63 Resp: 220860

Ion Ratio Lower Upper

63 100

65 33.8 22.8 42.4

83 14.2 11.2 20.8



#20

cis-1,2-Dichloroethene

Concen: 27.332 ug/L

RT: 7.081 min Scan# 934

Delta R.T. -0.000 min

Lab File: VD076014.D

Acq: 04 May 2023 19:58

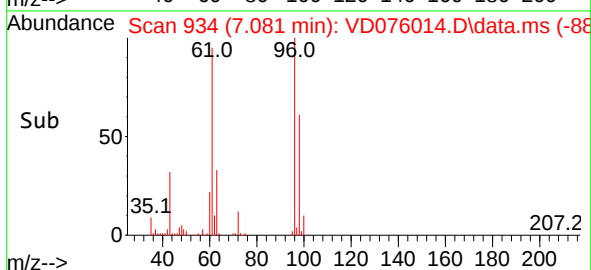
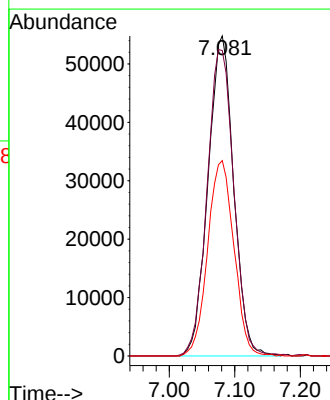
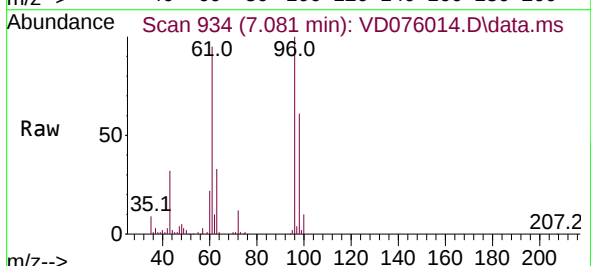
Tgt Ion: 96 Resp: 148839

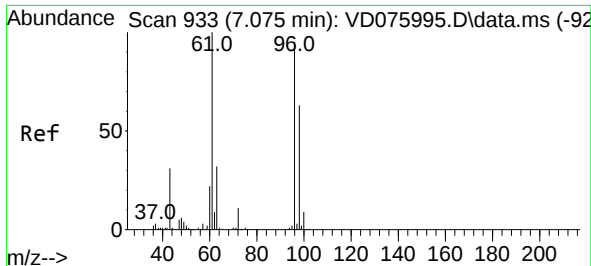
Ion Ratio Lower Upper

96 100

61 95.4 67.5 125.3

98 61.1 47.5 88.1

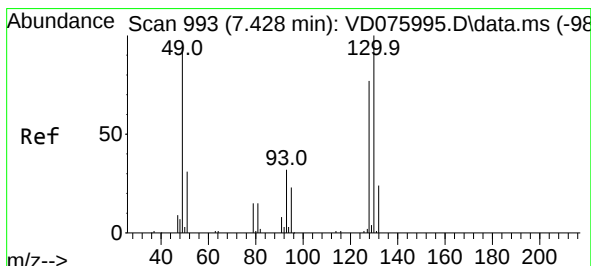
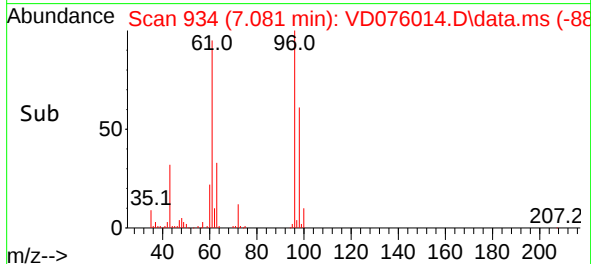
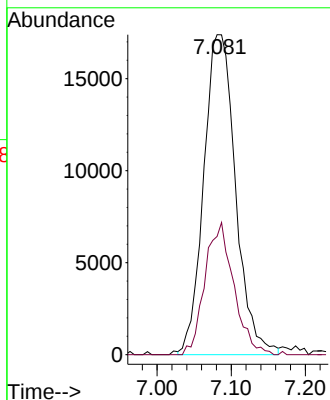
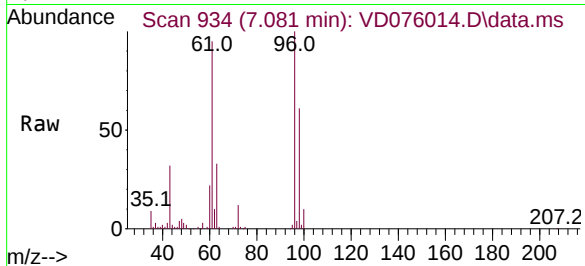




#22
2-Butanone
Concen: 70.060 ug/L
RT: 7.081 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

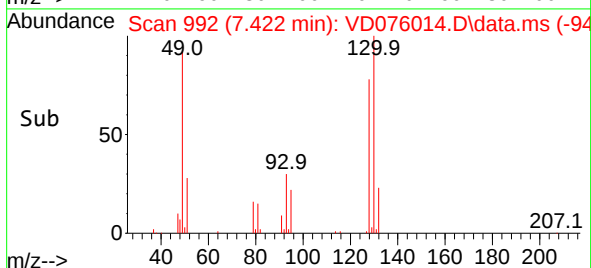
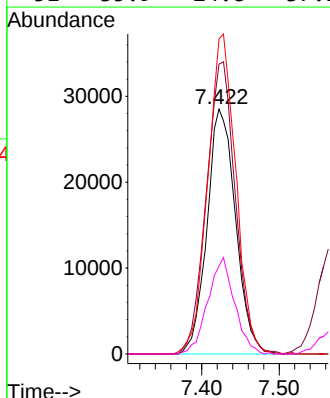
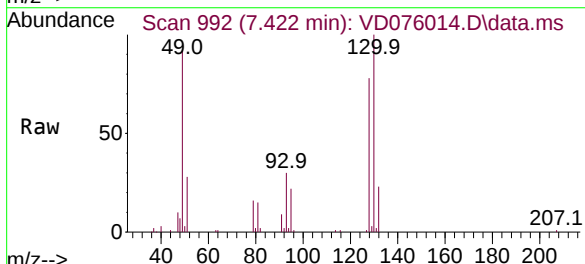
Instrument :
MSVOA_D
ClientSampleId :
VSTD025149

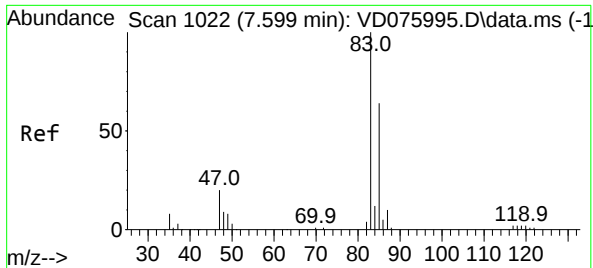
Tgt Ion: 43 Resp: 51998
Ion Ratio Lower Upper
43 100
72 37.3 20.5 61.5



#23
Bromochloromethane
Concen: 28.942 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.006 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

Tgt Ion: 128 Resp: 73094
Ion Ratio Lower Upper
128 100
49 118.4 76.4 142.0
130 128.7 93.5 173.7
51 35.9 24.8 37.2

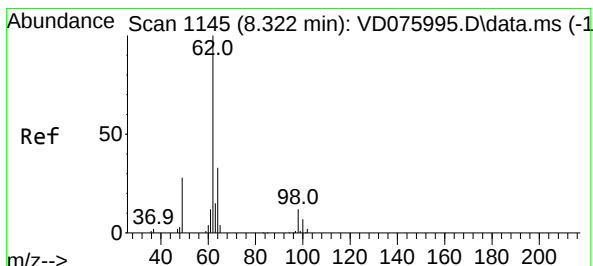
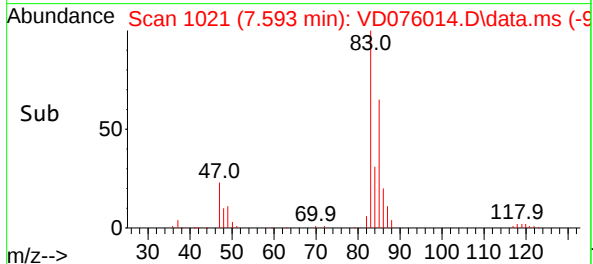
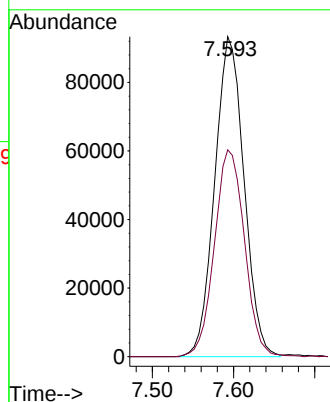
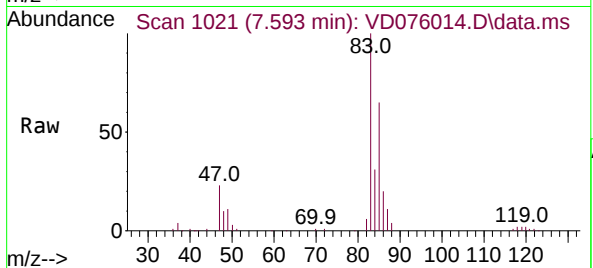




#25
Chloroform
Concen: 27.681 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

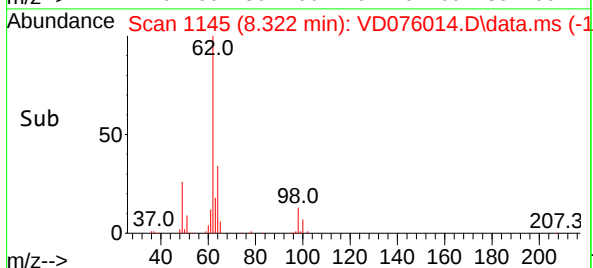
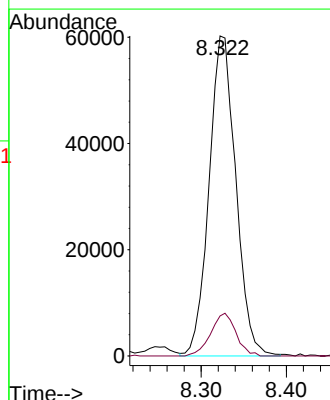
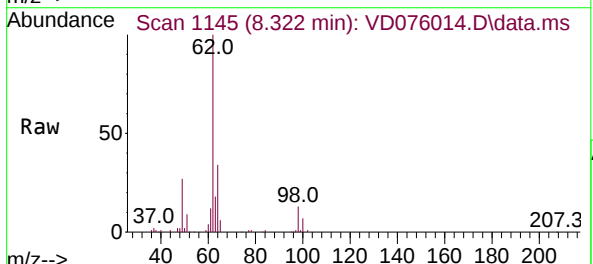
Instrument :
MSVOA_D
ClientSampleId :
VSTD025149

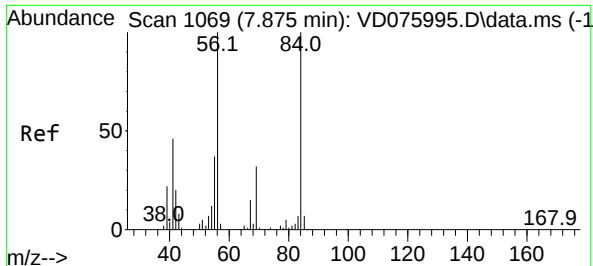
Tgt Ion: 83 Resp: 234064
Ion Ratio Lower Upper
83 100
85 64.7 44.4 82.5



#27
1,2-Dichloroethane
Concen: 30.102 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

Tgt Ion: 62 Resp: 131382
Ion Ratio Lower Upper
62 100
98 12.5 10.2 15.2





#29

Cyclohexane

Concen: 30.308 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD076014.D

Acq: 04 May 2023 19:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD025149

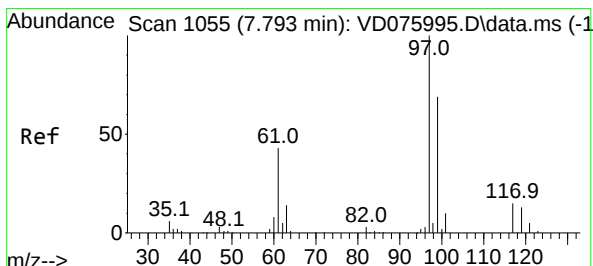
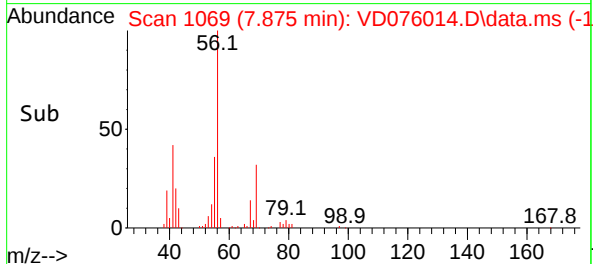
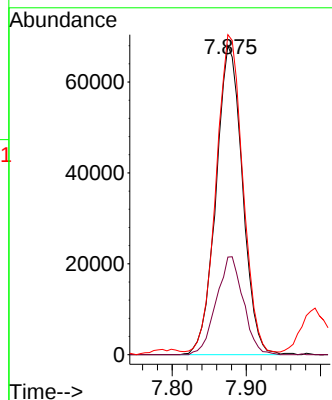
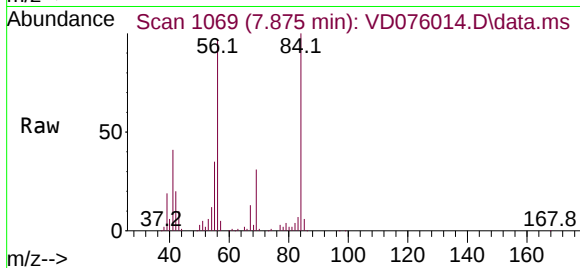
Tgt Ion: 56 Resp: 168899

Ion Ratio Lower Upper

56 100

69 32.3 28.2 42.2

84 105.0 92.4 138.6



#30

1,1,1-Trichloroethane

Concen: 27.234 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD076014.D

Acq: 04 May 2023 19:58

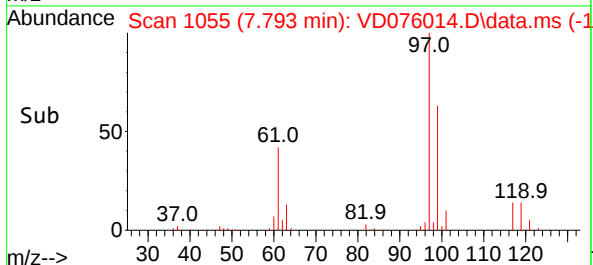
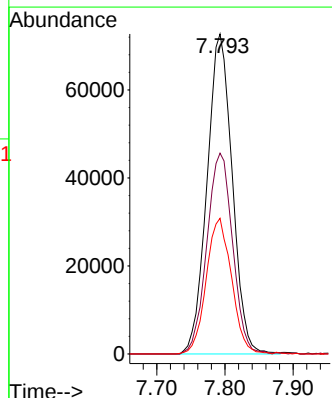
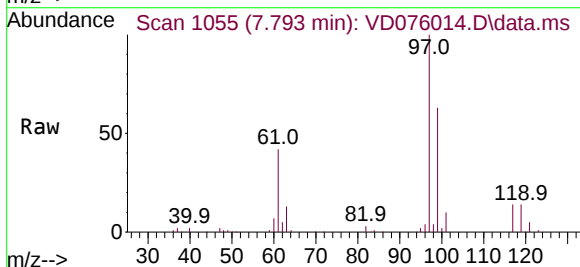
Tgt Ion: 97 Resp: 187568

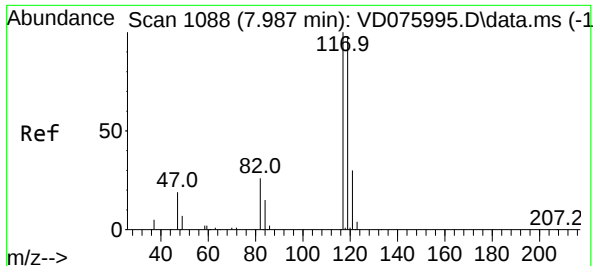
Ion Ratio Lower Upper

97 100

99 64.0 51.5 77.3

61 42.4 32.1 48.1

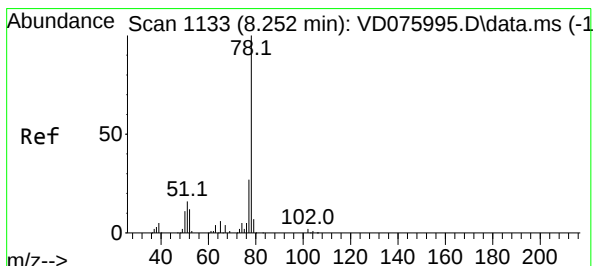
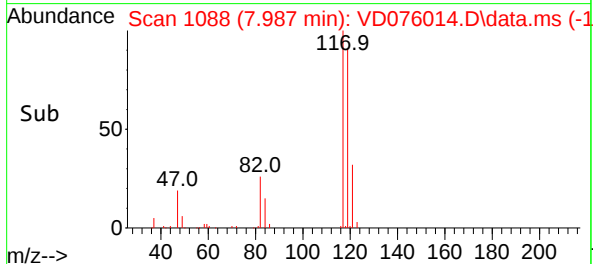
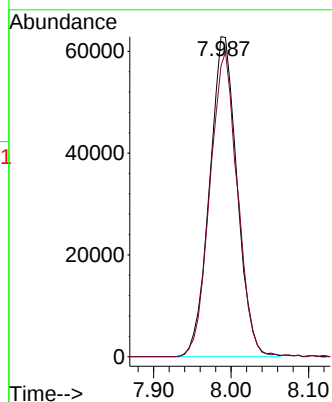
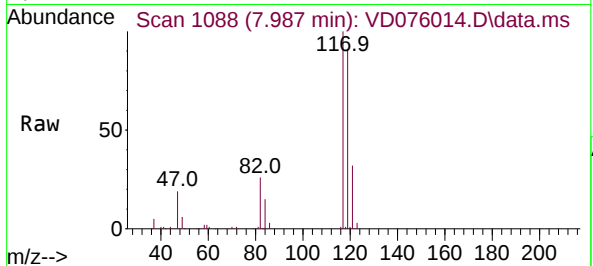




#31
Carbon tetrachloride
Concen: 28.021 ug/L
RT: 7.987 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

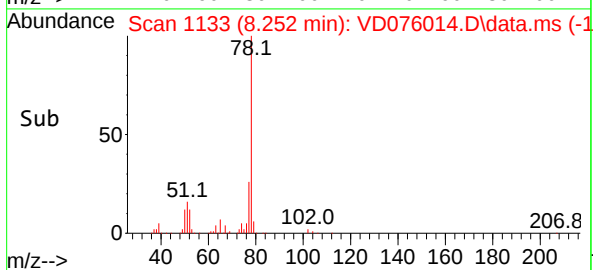
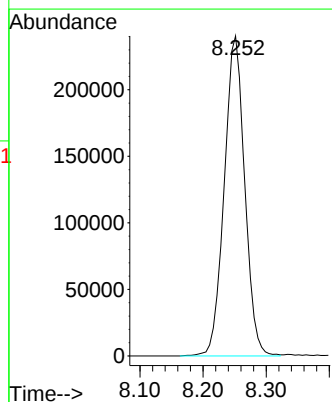
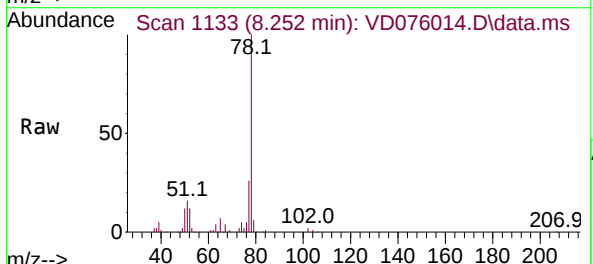
Instrument : MSVOA_D
ClientSampleId : VSTD025149

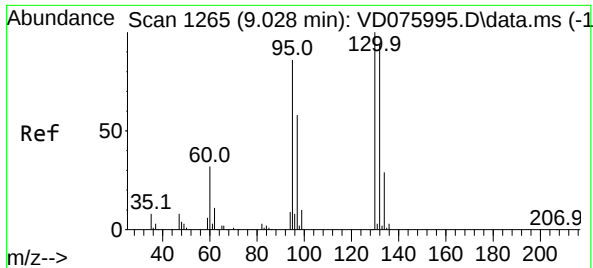
Tgt Ion:117 Resp: 154837
Ion Ratio Lower Upper
117 100
119 95.4 78.2 117.4



#33
Benzene
Concen: 27.498 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

Tgt Ion: 78 Resp: 541447



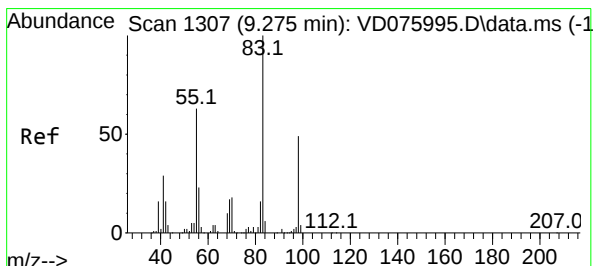
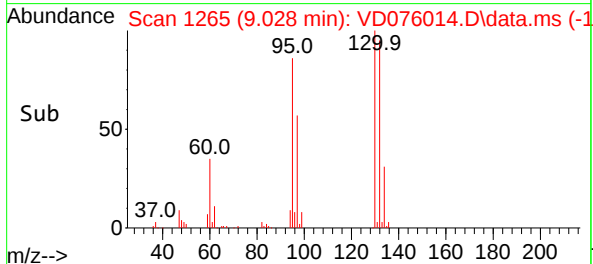
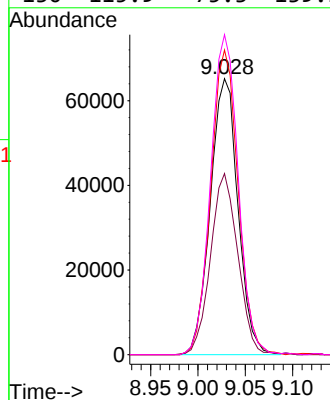
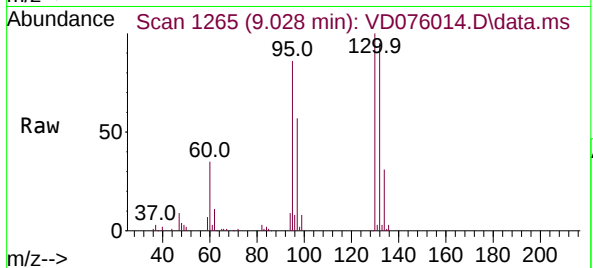


#34
Trichloroethene
Concen: 25.996 ug/L
RT: 9.028 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

Instrument :
MSVOA_D
ClientSampleId :
VSTD025149

Tgt Ion: 95 Resp: 132375

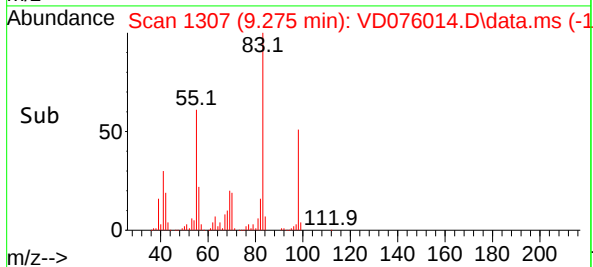
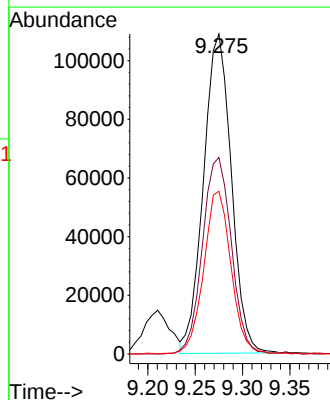
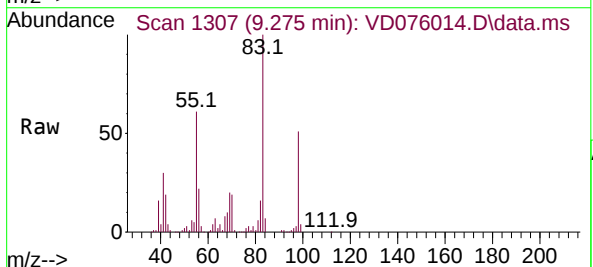
Ion	Ratio	Lower	Upper
95	100		
97	65.6	46.0	85.4
132	110.4	73.3	136.1
130	115.9	75.3	139.9

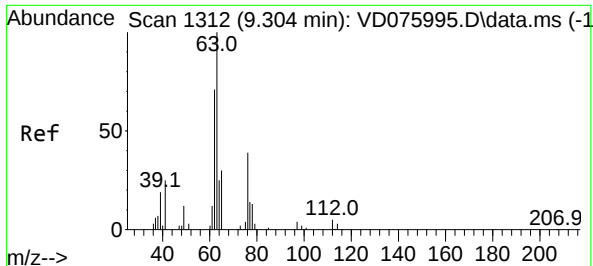


#35
Methylcyclohexane
Concen: 28.336 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

Tgt Ion: 83 Resp: 222465

Ion	Ratio	Lower	Upper
83	100		
55	63.7	48.2	72.2
98	49.6	40.8	61.2





#37

1,2-Dichloropropane

Concen: 30.146 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. -0.000 min

Lab File: VD076014.D

Acq: 04 May 2023 19:58

Instrument :

MSVOA_D

ClientSampleId :

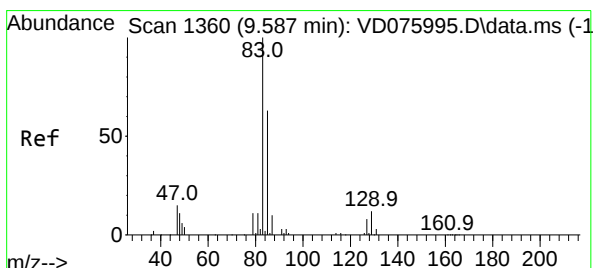
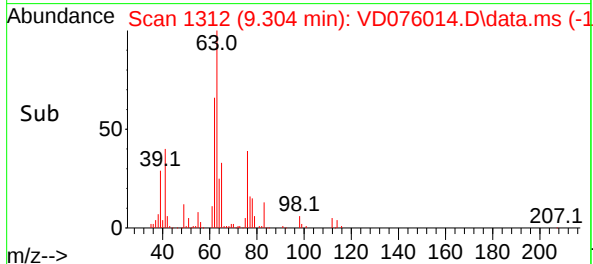
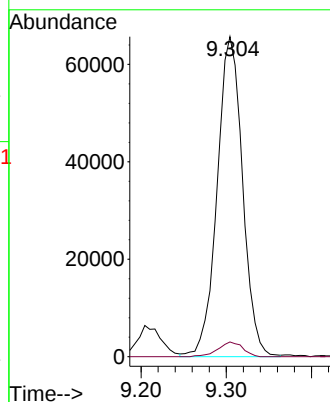
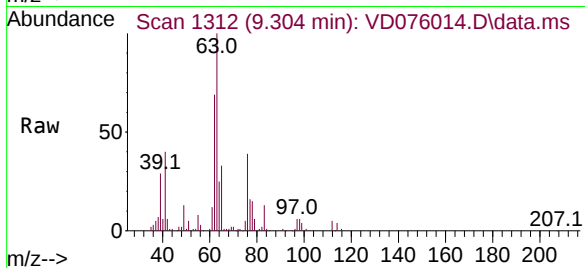
VSTD025149

Tgt Ion: 63 Resp: 136352

Ion Ratio Lower Upper

63 100

112 4.5 4.0 6.0



#38

Bromodichloromethane

Concen: 28.533 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. -0.000 min

Lab File: VD076014.D

Acq: 04 May 2023 19:58

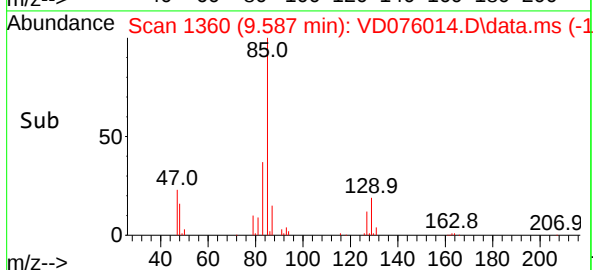
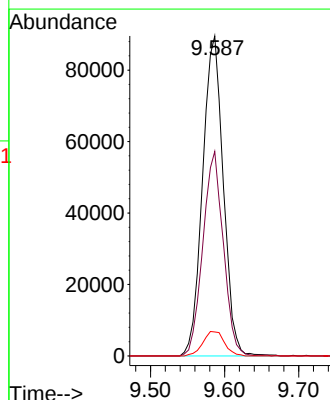
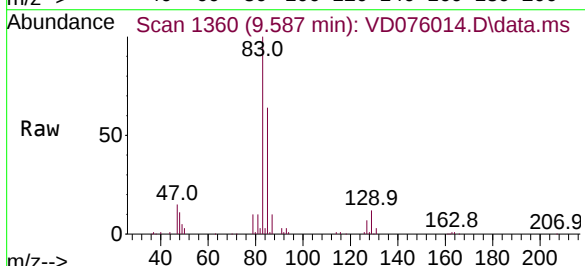
Tgt Ion: 83 Resp: 174015

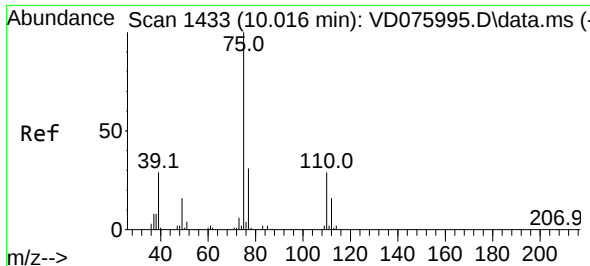
Ion Ratio Lower Upper

83 100

85 63.9 44.2 82.2

127 7.5 6.3 9.5

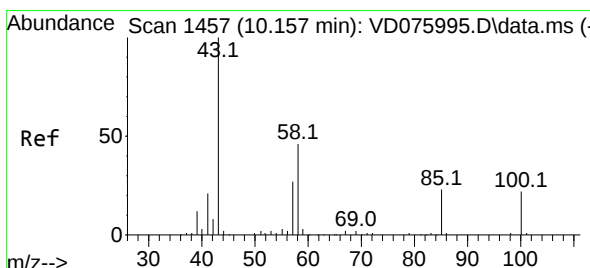
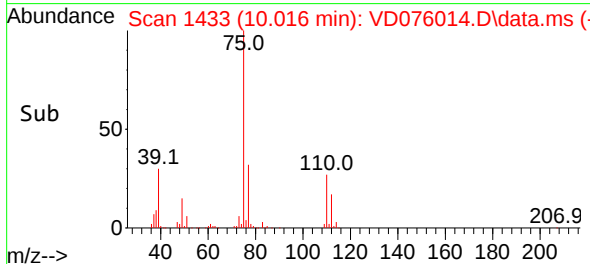
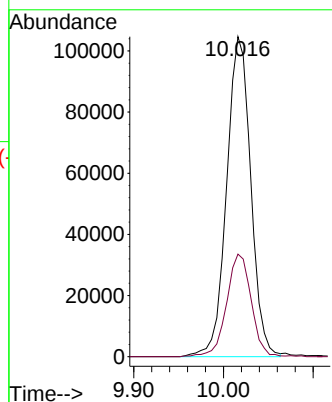
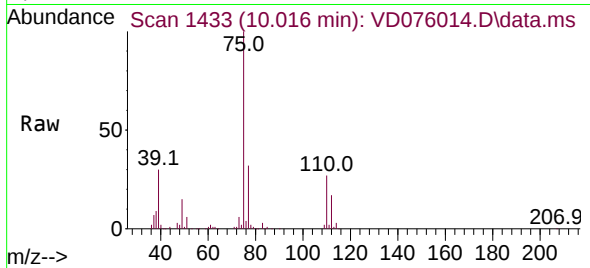




#39
 cis-1,3-Dichloropropene
 Concen: 27.177 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. -0.000 min
 Lab File: VD076014.D
 Acq: 04 May 2023 19:58

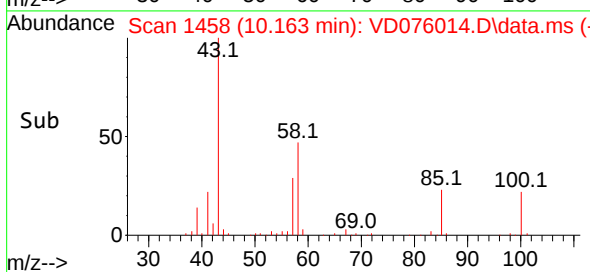
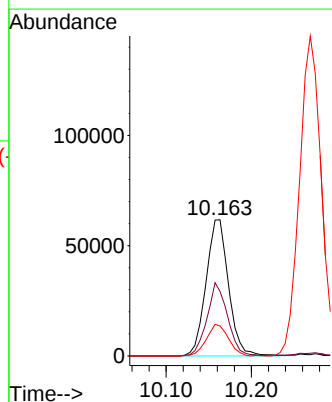
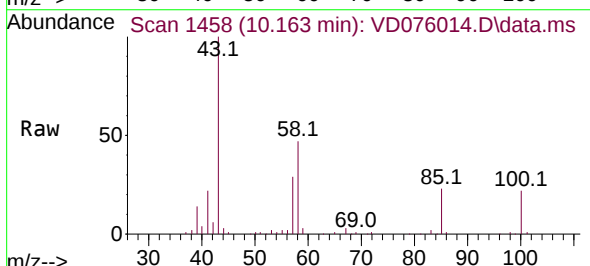
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025149

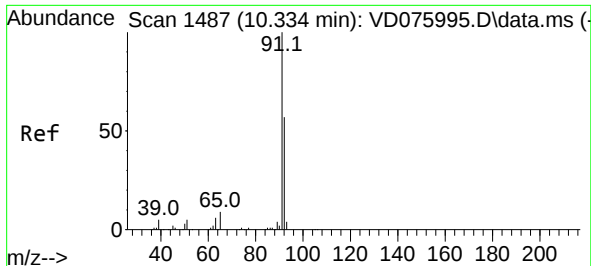
Tgt Ion: 75 Resp: 195497
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.4 43.6



#40
 4-Methyl-2-pentanone
 Concen: 68.715 ug/L
 RT: 10.163 min Scan# 1458
 Delta R.T. 0.006 min
 Lab File: VD076014.D
 Acq: 04 May 2023 19:58

Tgt Ion: 43 Resp: 113319
 Ion Ratio Lower Upper
 43 100
 58 49.0 39.1 58.7
 100 22.6 19.4 29.0

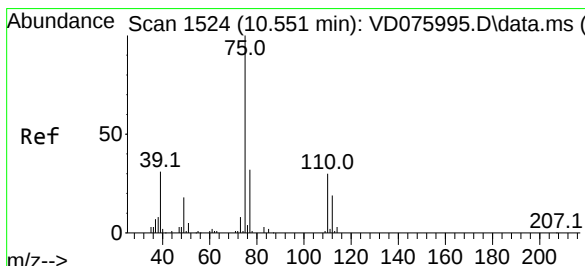
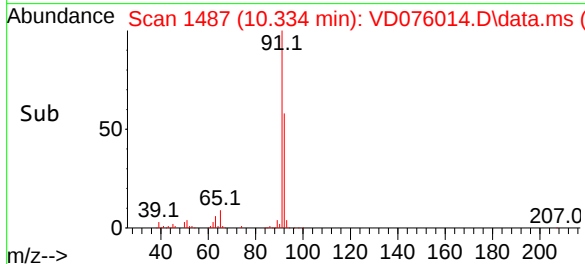
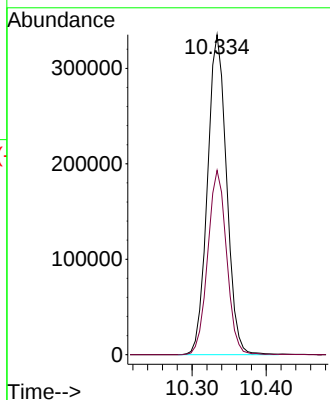
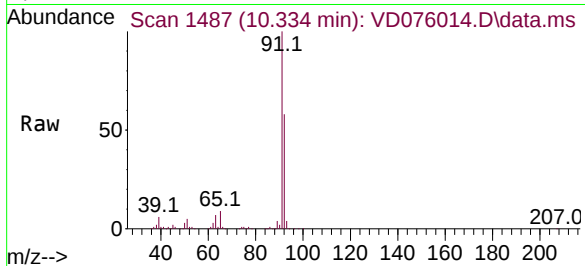




#42
Toluene
Concen: 28.192 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

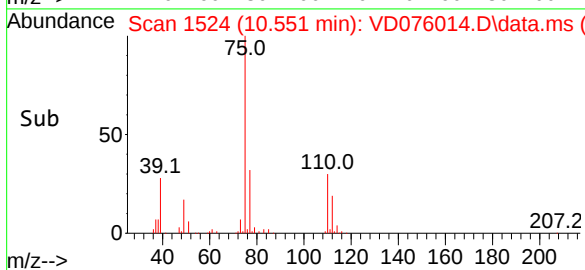
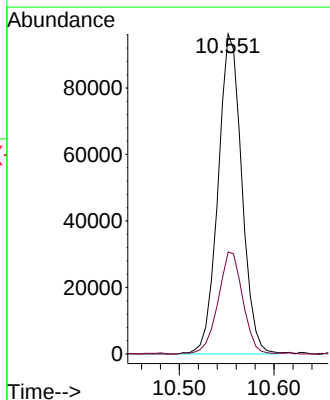
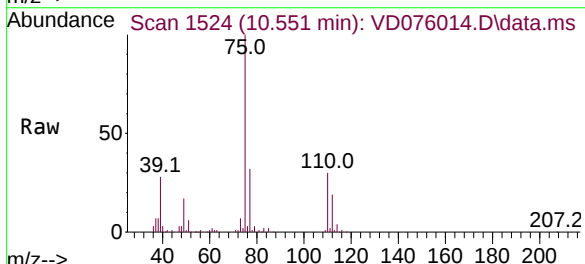
Instrument :
MSVOA_D
ClientSampleId :
VSTD025149

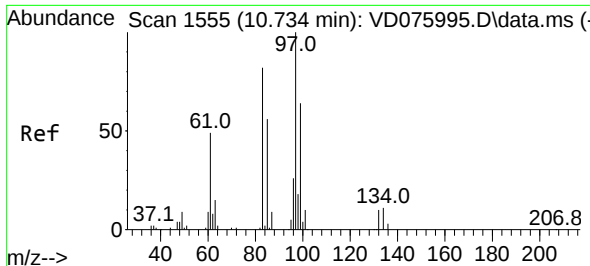
Tgt Ion: 91 Resp: 600738
Ion Ratio Lower Upper
91 100
92 57.6 39.3 72.9



#44
trans-1,3-Dichloropropene
Concen: 28.980 ug/L
RT: 10.551 min Scan# 1524
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

Tgt Ion: 75 Resp: 167467
Ion Ratio Lower Upper
75 100
77 31.8 22.0 41.0

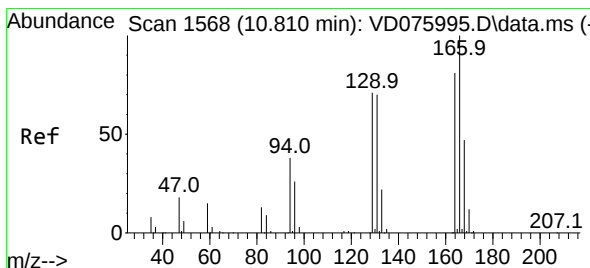
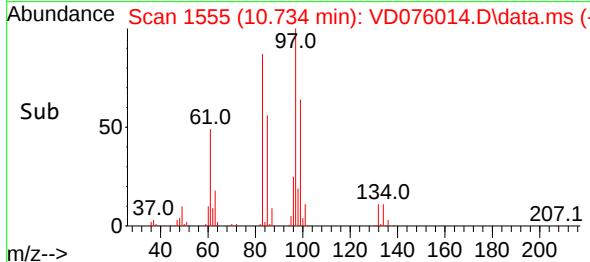
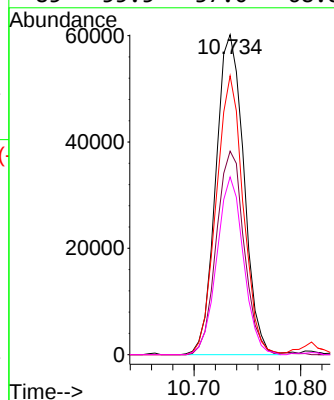
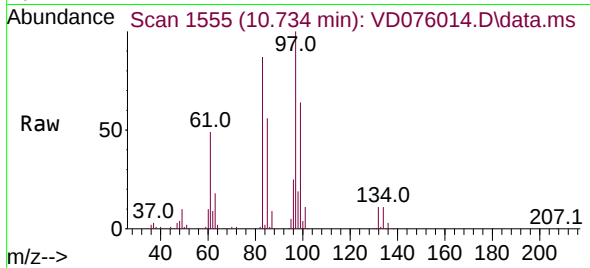




#45
1,1,2-Trichloroethane
Concen: 28.554 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

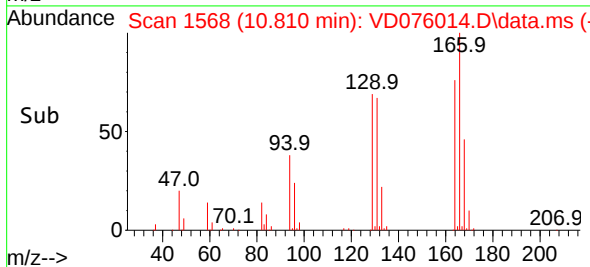
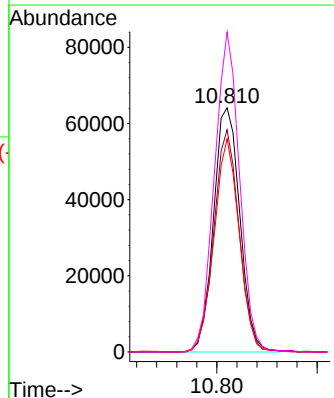
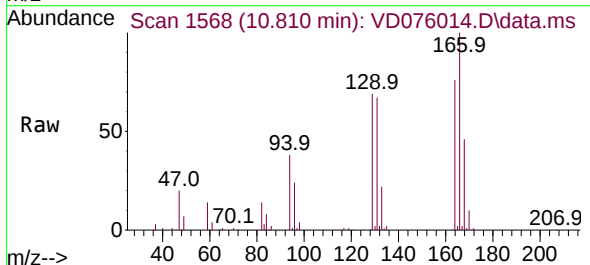
Instrument :
MSVOA_D
ClientSampleId :
VSTD025149

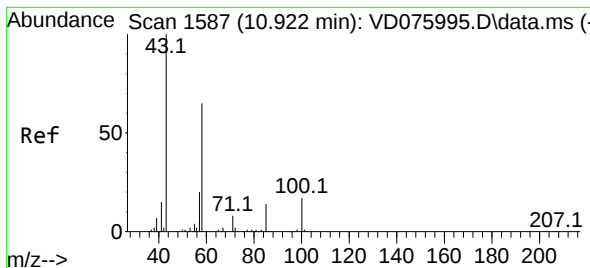
Tgt Ion: 97	Resp: 109876
Ion Ratio	Lower Upper
97 100	
99 63.6	42.2 78.4
83 87.2	54.8 101.8
85 55.5	37.0 68.8



#46
Tetrachloroethene
Concen: 28.028 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

Tgt	Ion:164	Resp:	117062
Ion	Ratio	Lower	Upper
164	100		
129	91.0	60.3	112.1
131	87.3	58.9	109.3
166	131.1	83.0	154.1





#48

2-Hexanone

Concen: 71.988 ug/L

RT: 10.922 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076014.D

Acq: 04 May 2023 19:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD025149

Tgt Ion: 43 Resp: 83693

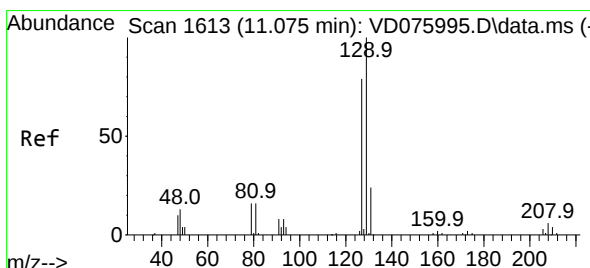
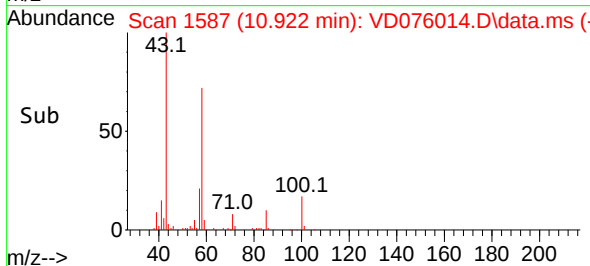
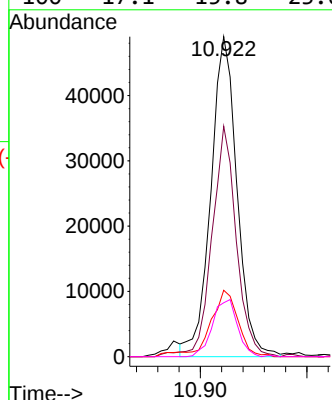
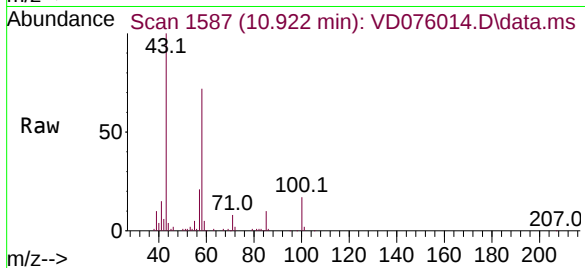
Ion Ratio Lower Upper

43 100

58 66.9 59.7 89.5

57 20.5 17.9 26.9

100 17.1 15.8 23.6



#49

Dibromochloromethane

Concen: 28.187 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. -0.000 min

Lab File: VD076014.D

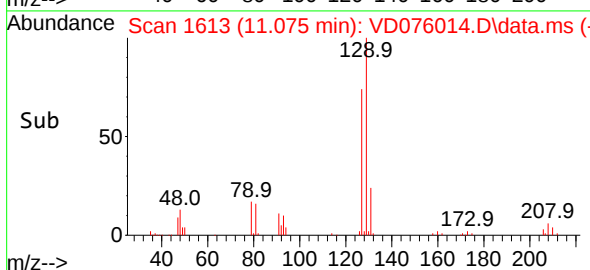
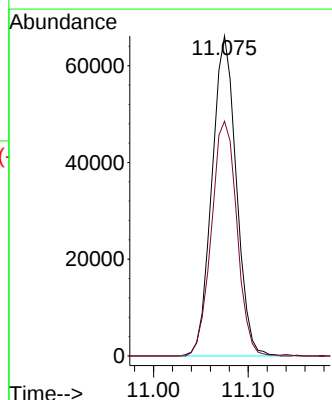
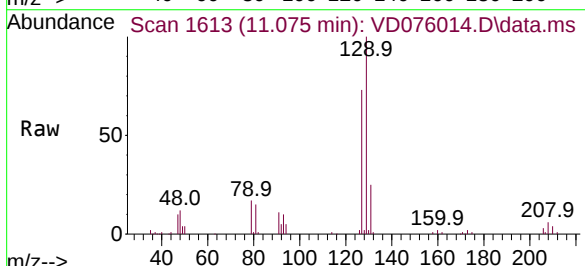
Acq: 04 May 2023 19:58

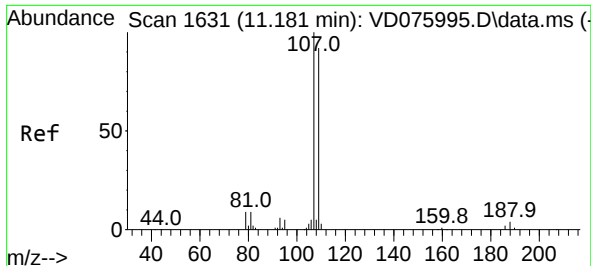
Tgt Ion: 129 Resp: 118077

Ion Ratio Lower Upper

129 100

127 73.3 55.6 103.4

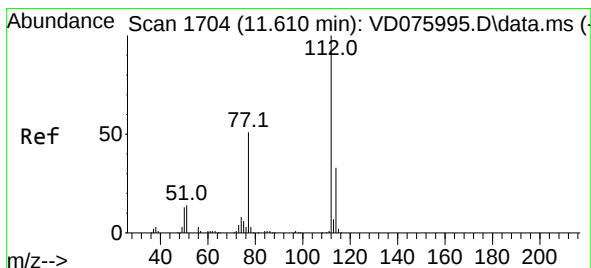
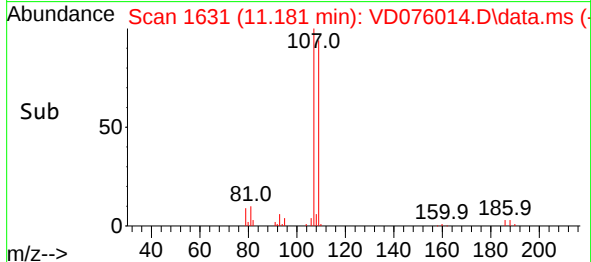
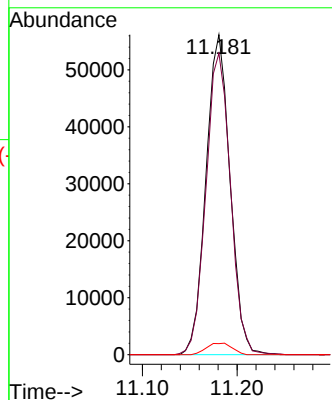
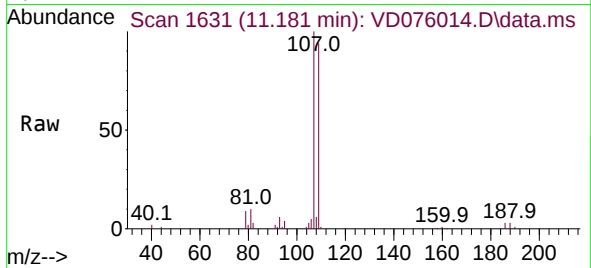




#50
1,2-Dibromoethane
Concen: 28.640 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

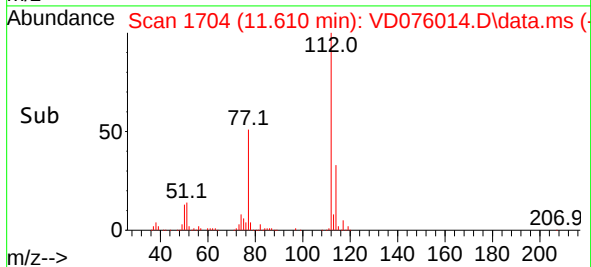
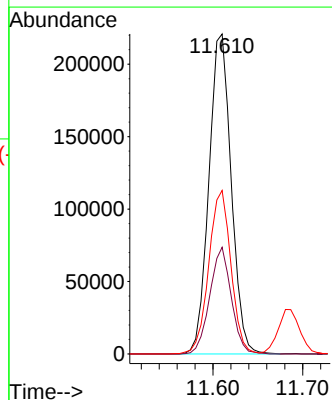
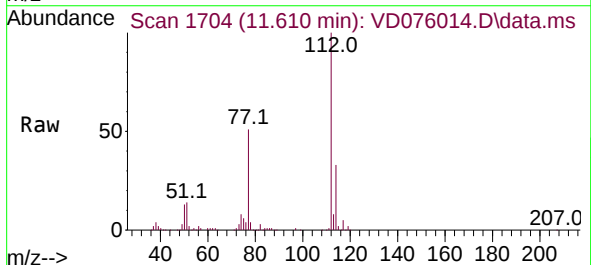
Instrument :
MSVOA_D
ClientSampleId :
VSTD025149

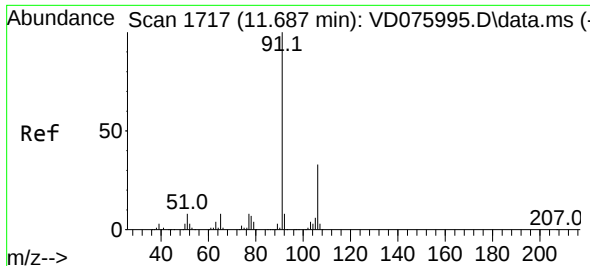
Tgt Ion:	107	Resp:	99360
Ion	Ratio	Lower	Upper
107	100		
109	94.2	67.6	125.6
188	3.4	3.0	4.6



#51
Chlorobenzene
Concen: 27.346 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

Tgt Ion:	112	Resp:	381204
Ion	Ratio	Lower	Upper
112	100		
114	33.3	23.0	42.8
77	51.1	39.7	59.5

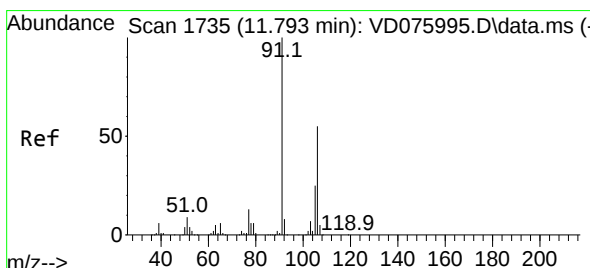
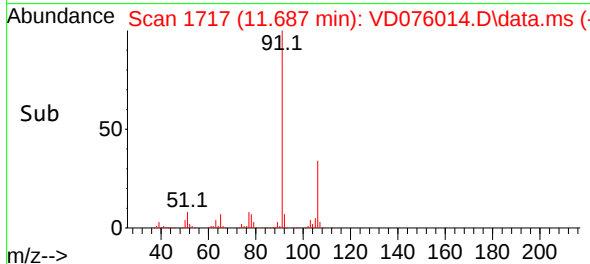
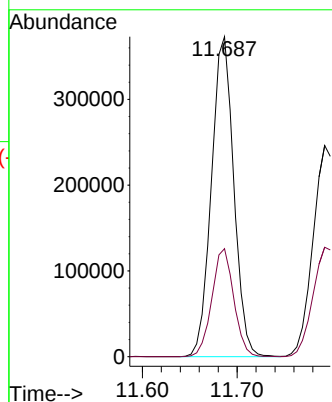
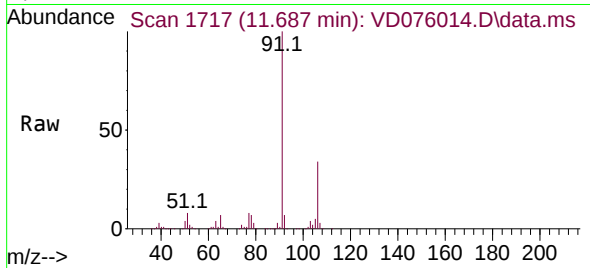




#52
Ethylbenzene
Concen: 27.970 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

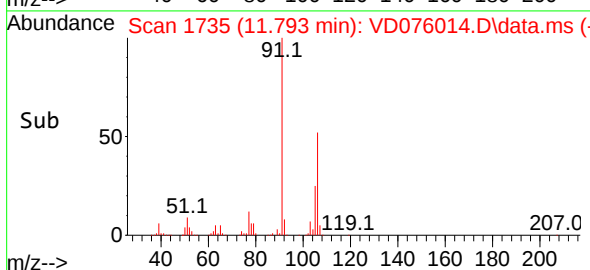
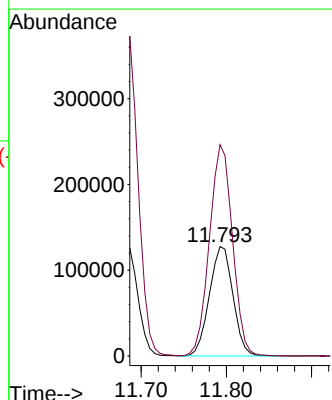
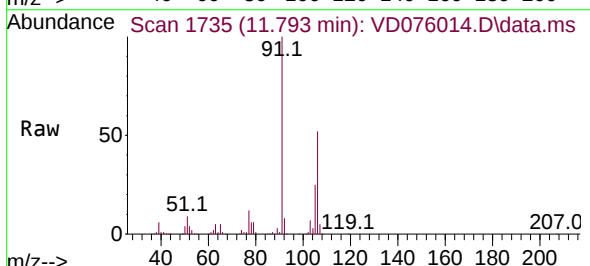
Instrument :
MSVOA_D
ClientSampleId :
VSTD025149

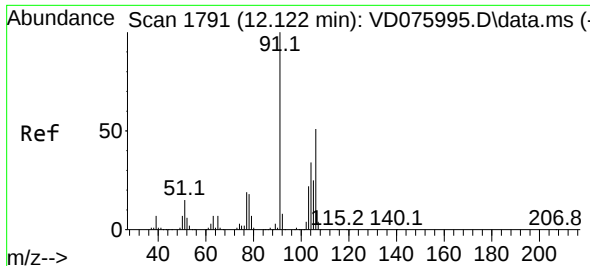
Tgt Ion: 91 Resp: 611158
Ion Ratio Lower Upper
91 100
106 33.8 23.7 43.9



#53
m,p-Xylene
Concen: 28.112 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

Tgt Ion: 106 Resp: 244594
Ion Ratio Lower Upper
106 100
91 193.0 130.9 243.1

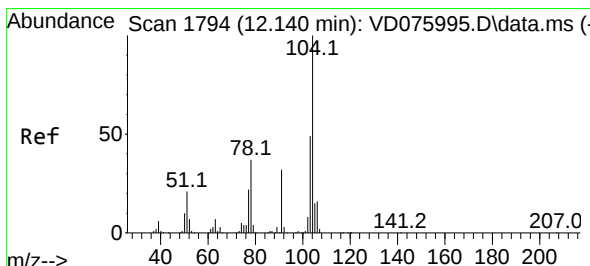
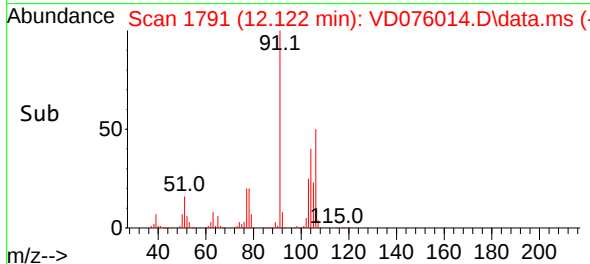
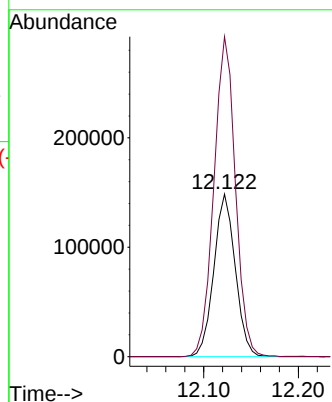
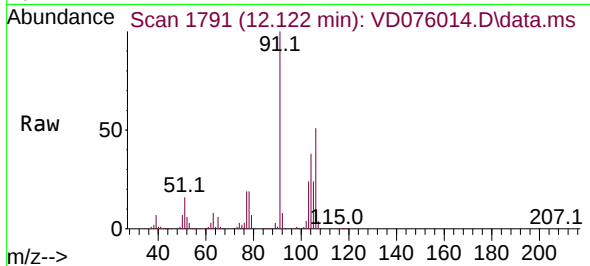




#54
o-Xylene
Concen: 28.298 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

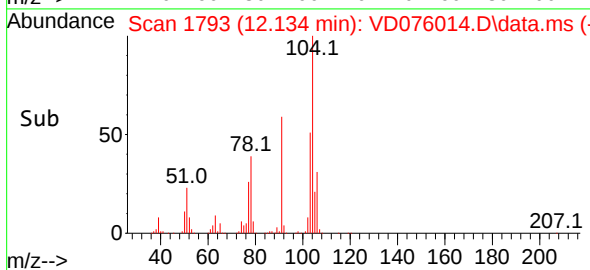
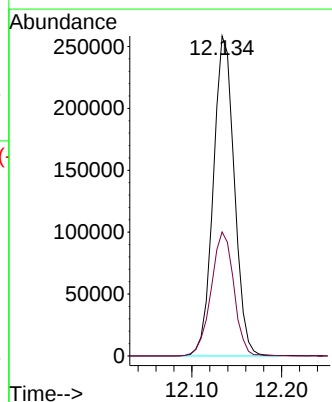
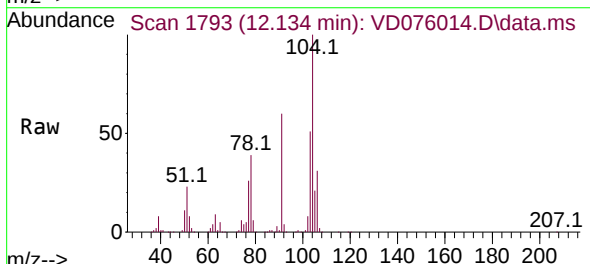
Instrument :
MSVOA_D
ClientSampleId :
VSTD025149

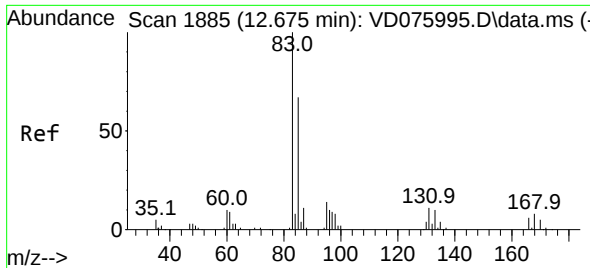
Tgt Ion:106 Resp: 233858
Ion Ratio Lower Upper
106 100
91 196.9 139.8 259.6



#55
Styrene
Concen: 29.254 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

Tgt Ion:104 Resp: 420771
Ion Ratio Lower Upper
104 100
78 38.8 26.2 48.6

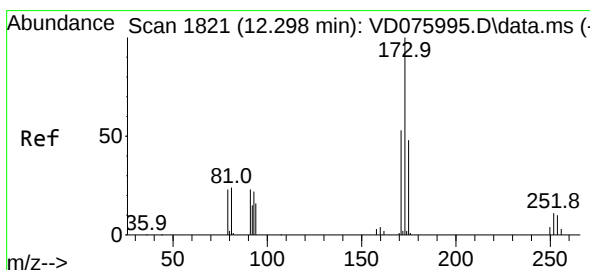
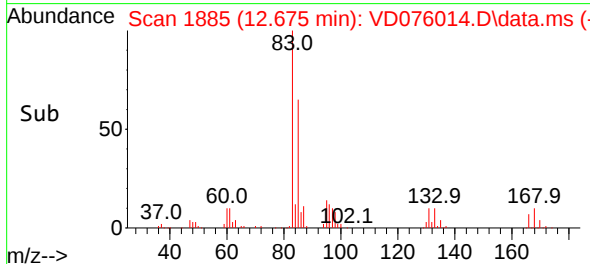
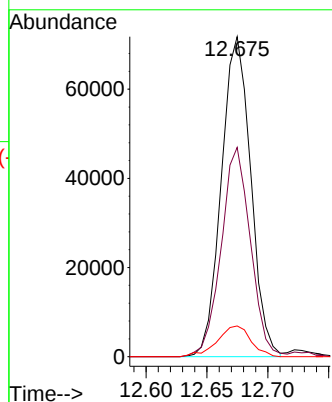
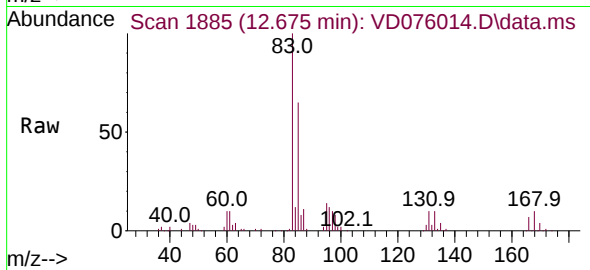




#57
1,1,2,2-Tetrachloroethane
Concen: 30.789 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

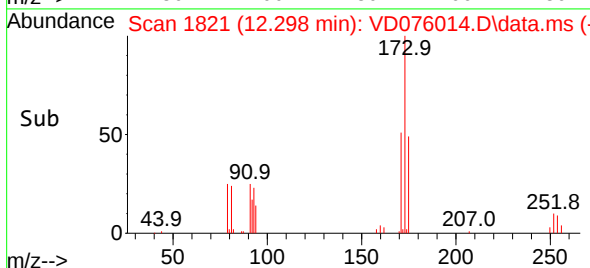
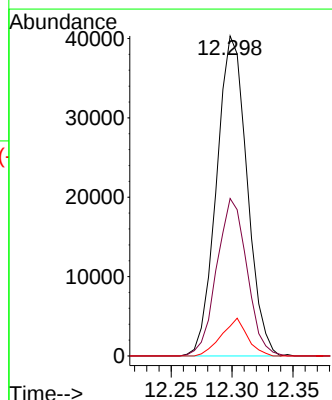
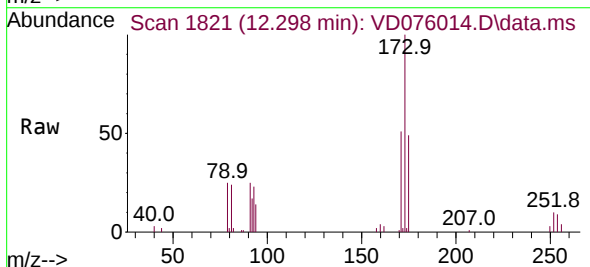
Instrument :
MSVOA_D
ClientSampleId :
VSTD025149

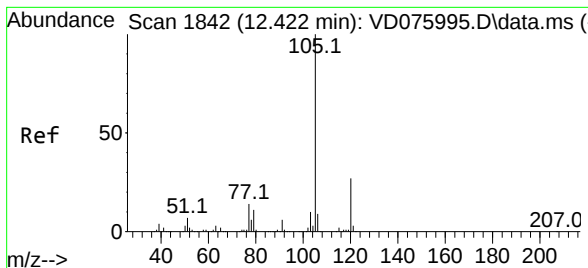
Tgt Ion: 83 Resp: 120548
Ion Ratio Lower Upper
83 100
85 65.4 45.1 83.7
131 9.6 7.0 10.6



#59
Bromoform
Concen: 26.985 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

Tgt Ion:173 Resp: 70266
Ion Ratio Lower Upper
173 100
175 48.7 39.4 59.0
254 10.1 7.4 11.2





#60

Isopropylbenzene

Concen: 26.300 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD076014.D

Acq: 04 May 2023 19:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD025149

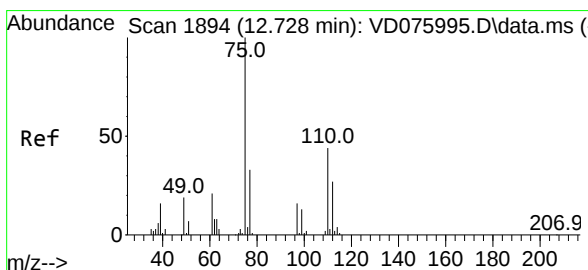
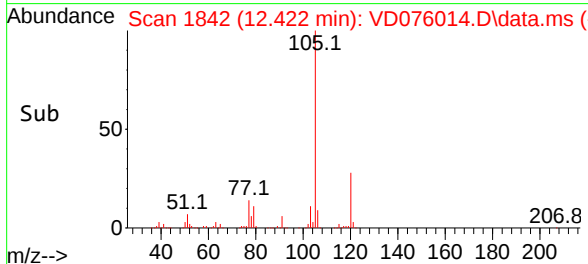
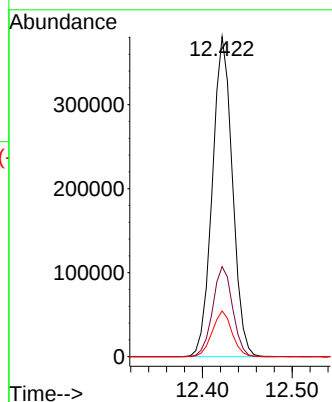
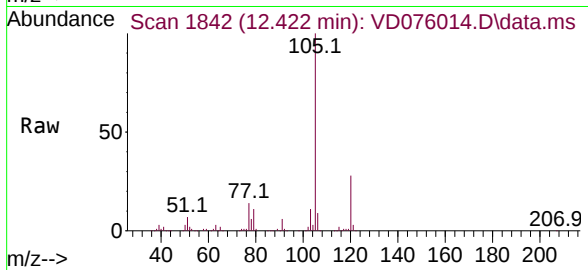
Tgt Ion:105 Resp: 592486

Ion Ratio Lower Upper

105 100

120 27.9 22.7 34.1

77 14.0 10.9 16.3



#61

1,2,3-Trichloropropane

Concen: 29.073 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VD076014.D

Acq: 04 May 2023 19:58

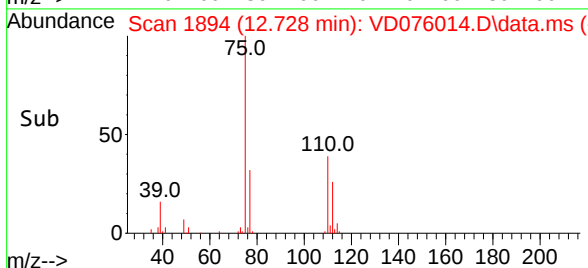
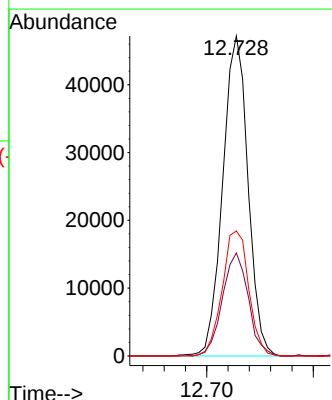
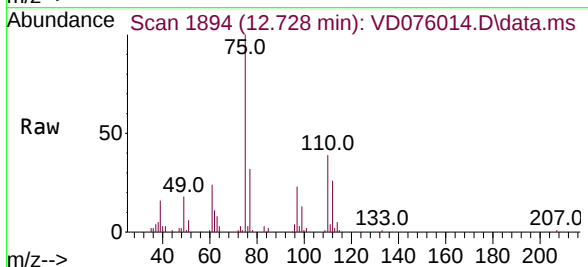
Tgt Ion: 75 Resp: 77595

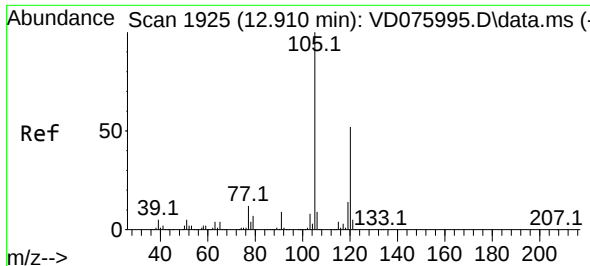
Ion Ratio Lower Upper

75 100

77 33.0 26.6 39.8

110 41.0 33.5 50.3

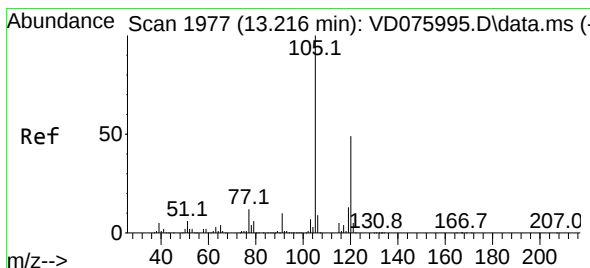
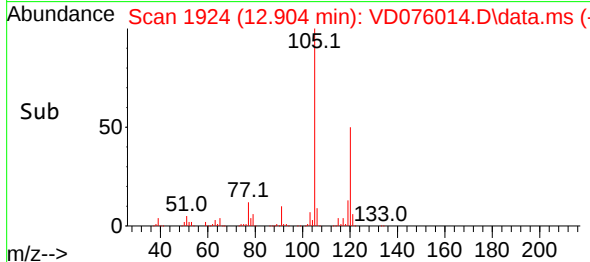
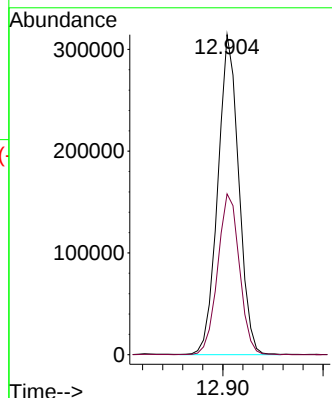
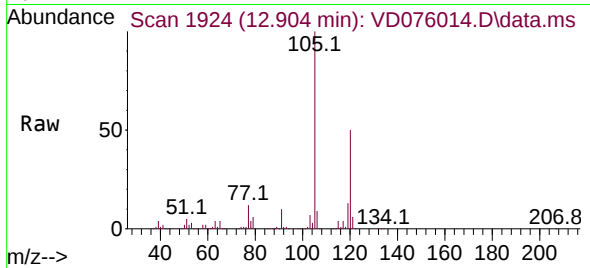




#62
1,3,5-Trimethylbenzene
Concen: 27.075 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. -0.006 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

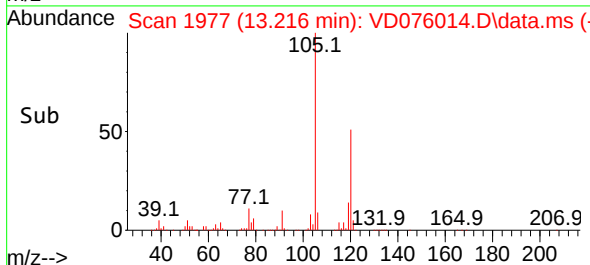
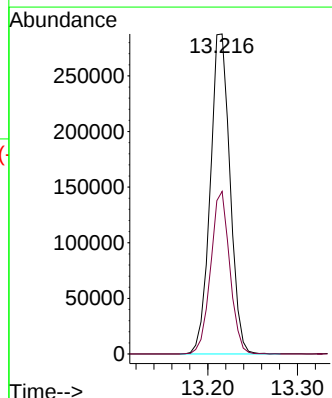
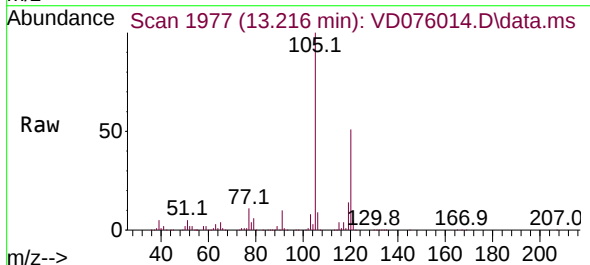
Instrument :
MSVOA_D
ClientSampleId :
VSTD025149

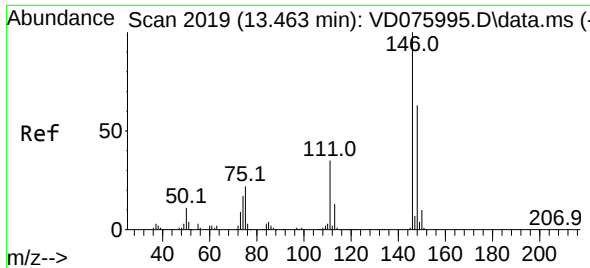
Tgt Ion:105 Resp: 454830
Ion Ratio Lower Upper
105 100
120 52.1 42.0 63.0



#63
1,2,4-Trimethylbenzene
Concen: 27.093 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

Tgt Ion:105 Resp: 438731
Ion Ratio Lower Upper
105 100
120 49.1 39.0 58.6

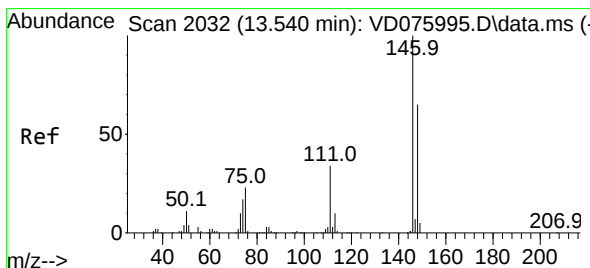
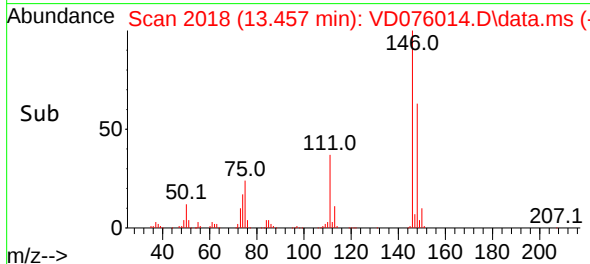
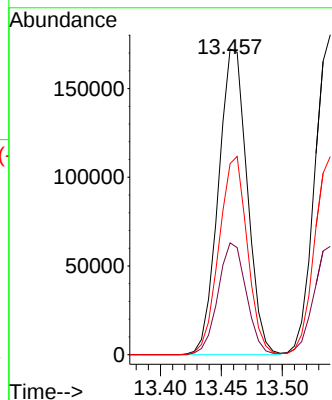
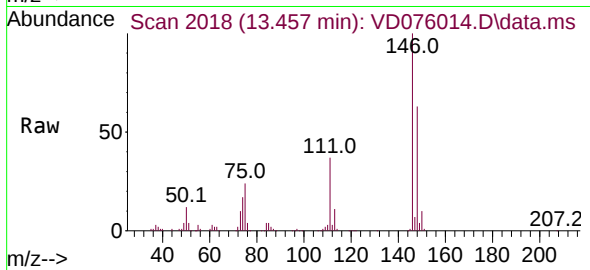




#64
1,3-Dichlorobenzene
Concen: 26.341 ug/L
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

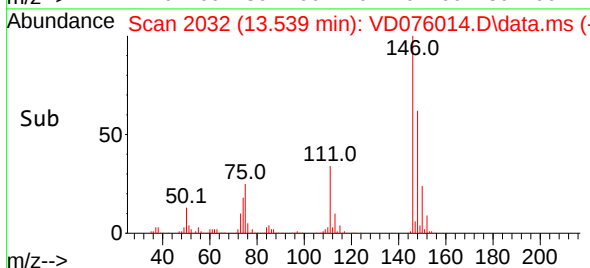
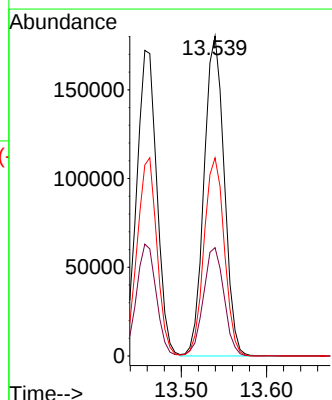
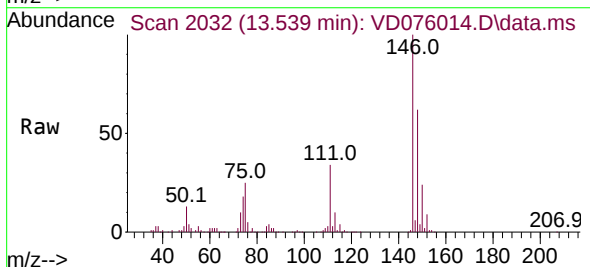
Instrument :
MSVOA_D
ClientSampleId :
VSTD025149

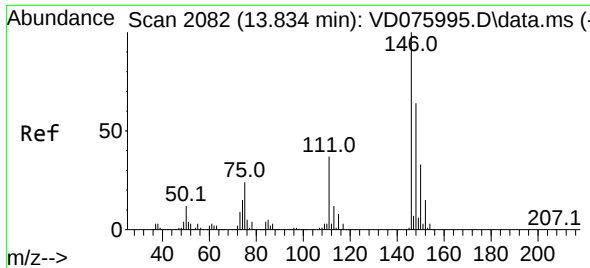
Tgt Ion:146 Resp: 283930
Ion Ratio Lower Upper
146 100
111 36.6 26.5 49.1
148 62.5 43.8 81.3



#65
1,4-Dichlorobenzene
Concen: 26.253 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

Tgt Ion:146 Resp: 296998
Ion Ratio Lower Upper
146 100
111 33.8 24.6 45.8
148 61.9 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 26.671 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD076014.D

Acq: 04 May 2023 19:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD025149

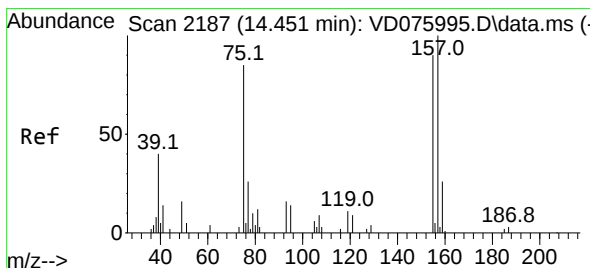
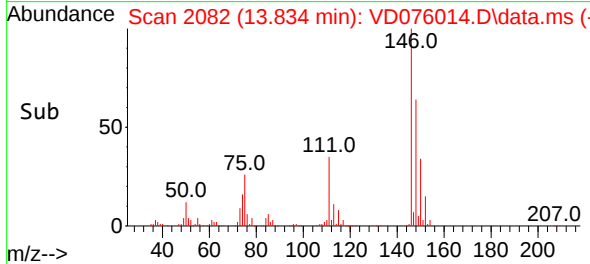
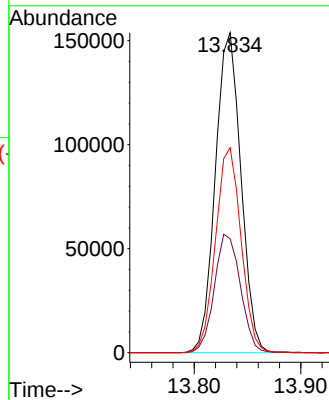
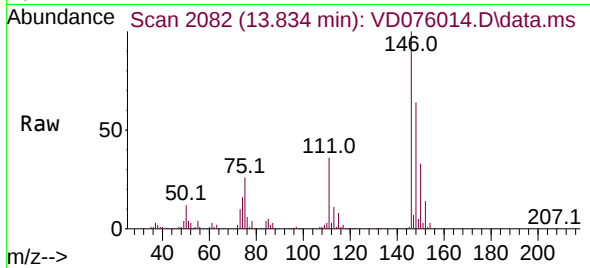
Tgt Ion:146 Resp: 256730

Ion Ratio Lower Upper

146 100

111 35.6 30.6 46.0

148 64.0 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 28.430 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. -0.006 min

Lab File: VD076014.D

Acq: 04 May 2023 19:58

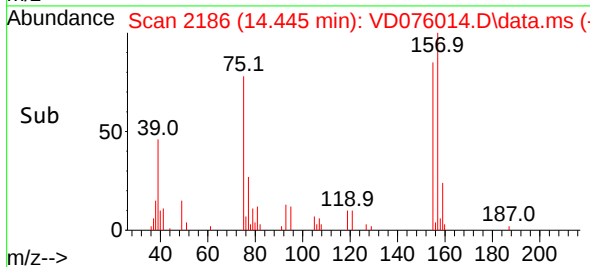
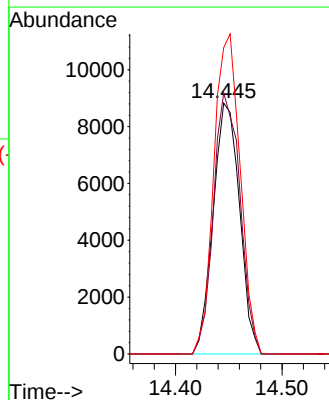
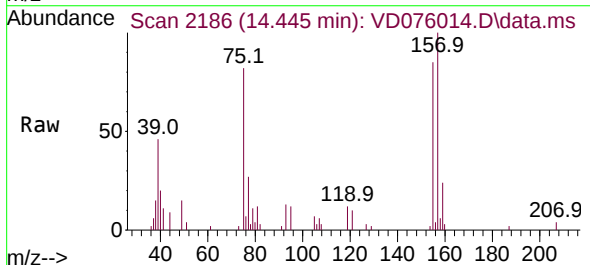
Tgt Ion: 75 Resp: 15169

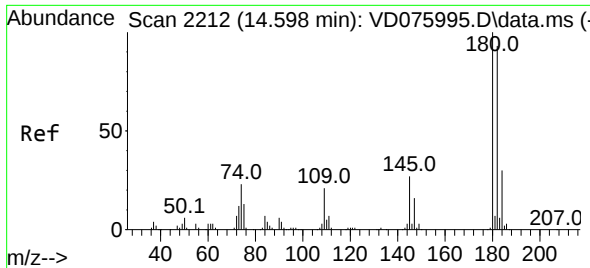
Ion Ratio Lower Upper

75 100

155 104.1 74.6 111.8

157 122.1 109.4 164.2

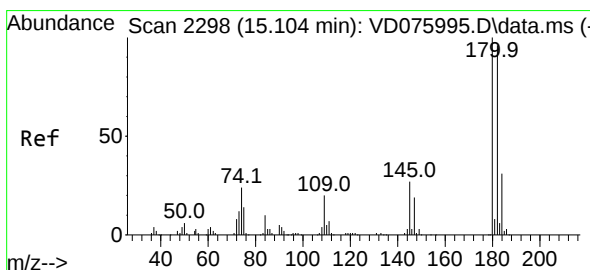
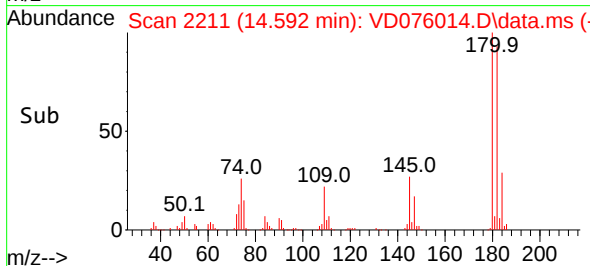
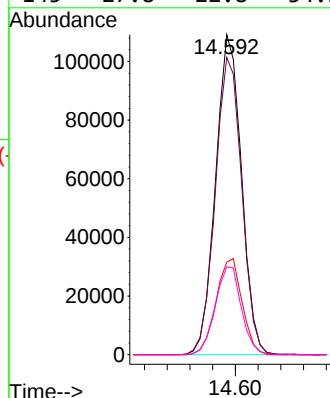
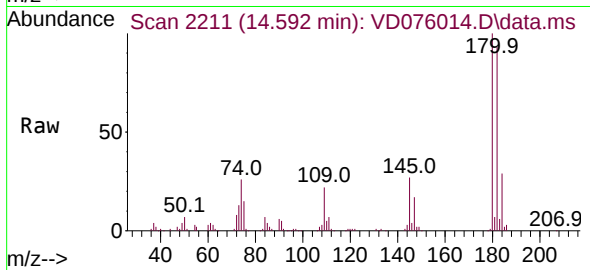




#69
 1,3,5-Trichlorobenzene
 Concen: 23.879 ug/L
 RT: 14.592 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD076014.D
 Acq: 04 May 2023 19:58

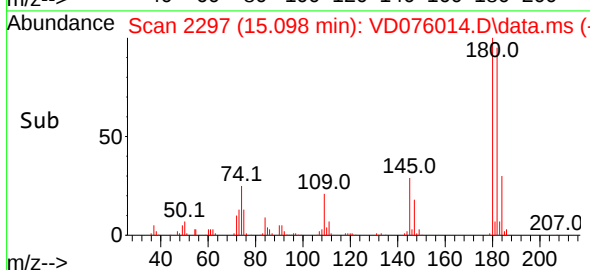
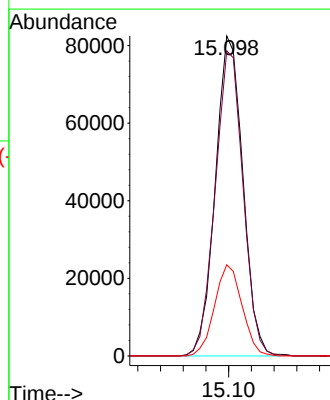
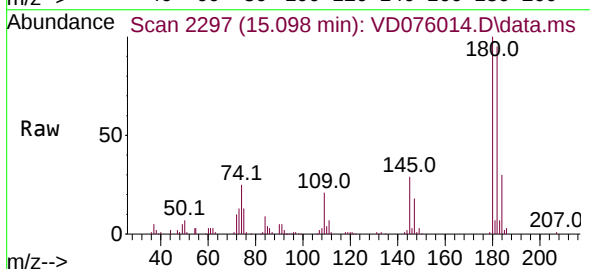
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025149

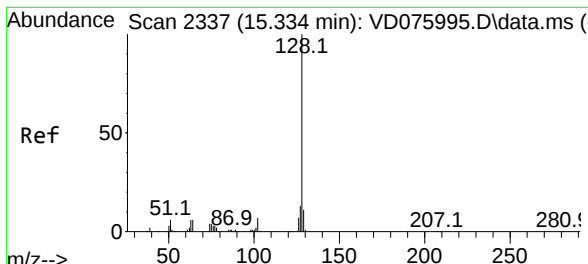
Tgt Ion:180 Resp: 172521
 Ion Ratio Lower Upper
 180 100
 182 95.0 74.9 112.3
 184 30.2 25.0 37.4
 145 27.8 22.8 34.2



#70
 1,2,4-trichlorobenzene
 Concen: 23.162 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. -0.006 min
 Lab File: VD076014.D
 Acq: 04 May 2023 19:58

Tgt Ion:180 Resp: 138675
 Ion Ratio Lower Upper
 180 100
 182 96.5 75.4 113.2
 145 28.5 23.6 35.4

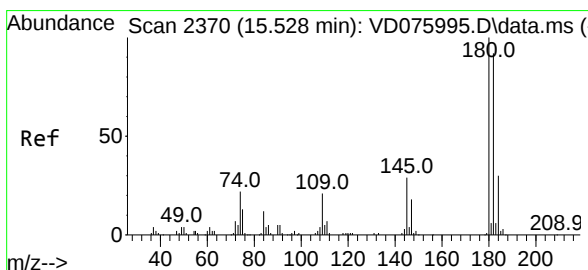
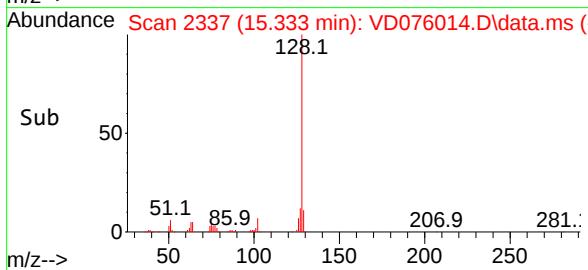
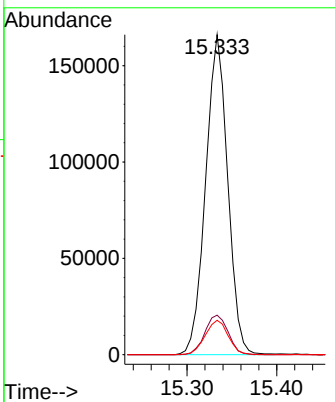
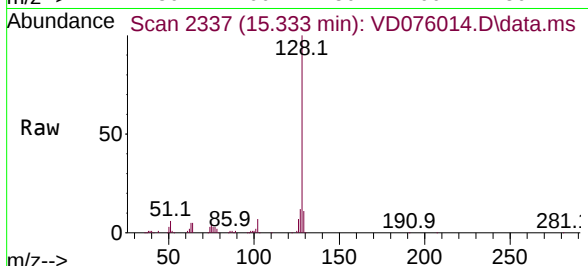




#71
Naphthalene
Concen: 25.854 ug/L
RT: 15.333 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

Instrument :
MSVOA_D
ClientSampleId :
VSTD025149

Tgt Ion:	128	Resp:	283271
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.3	9.1	13.7



#72
1,2,3-Trichlorobenzene
Concen: 25.234 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. -0.006 min
Lab File: VD076014.D
Acq: 04 May 2023 19:58

Tgt Ion:	180	Resp:	134863
Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.3	114.5
145	30.3	25.0	37.6

