

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081123\
 Data File : VD076988.D
 Acq On : 11 Aug 2023 15:12
 Operator : JC/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025180

Quant Time: Aug 12 02:23:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM080323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 12 02:16:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	278251	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	284190	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	151382	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	150758	19.702	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.800%
7) Chloroethane-d5	2.799	69	142865	20.196	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.800%
11) 1,1-Dichloroethene-d2	3.905	65	36525	20.145	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.560%
21) 2-Butanone-d5	6.981	46	60626	49.348	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.700%
24) Chloroform-d	7.563	84	202744	22.376	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.520%
26) 1,2-Dichloroethane-d4	8.222	65	102752	22.749	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.000%
32) Benzene-d6	8.199	84	397398	22.241	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.960%
36) 1,2-Dichloropropane-d6	9.204	67	119305	21.717	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.880%
41) Toluene-d8	10.269	98	370706	22.629	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.520%
43) trans-1,3-Dichloroprop...	10.522	79	53773	21.650	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.600%
47) 2-Hexanone-d5	10.875	63	54216	51.664	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.320%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	125613	23.663	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.640%
66) 1,2-Dichlorobenzene-d4	13.816	152	131178	23.702	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	107260	23.257	ug/L	100
3) Chloromethane	2.146	50	145973	24.396	ug/L	100
5) Vinyl chloride	2.275	62	213734	24.979	ug/L	94
6) Bromomethane	2.687	94	155432	24.336	ug/L	98
8) Chloroethane	2.834	64	145011	25.175	ug/L	99
9) Trichlorofluoromethane	3.170	101	184928	26.103	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	117938	25.548	ug/L	99
12) 1,1-Dichloroethene	3.928	96	103496	25.284	ug/L	83
13) Acetone	4.011	43	85084	67.727	ug/L	91
14) Carbon disulfide	4.264	76	354795	24.973	ug/L	99
15) Methyl Acetate	4.552	43	50089	23.589	ug/L	98
16) Methylene chloride	4.793	84	133755	22.916	ug/L #	75
17) trans-1,2-Dichloroethene	5.299	96	115243	24.865	ug/L	84
18) Methyl tert-butyl Ether	5.316	73	249190	24.336	ug/L #	96
19) 1,1-Dichloroethane	6.111	63	184968	23.902	ug/L	94
20) cis-1,2-Dichloroethene	7.069	96	129145	24.961	ug/L	88
22) 2-Butanone	7.081	43	99398	56.551	ug/L	86
23) Bromochloromethane	7.422	128	61856	24.649	ug/L #	74
25) Chloroform	7.587	83	207585	24.492	ug/L	98

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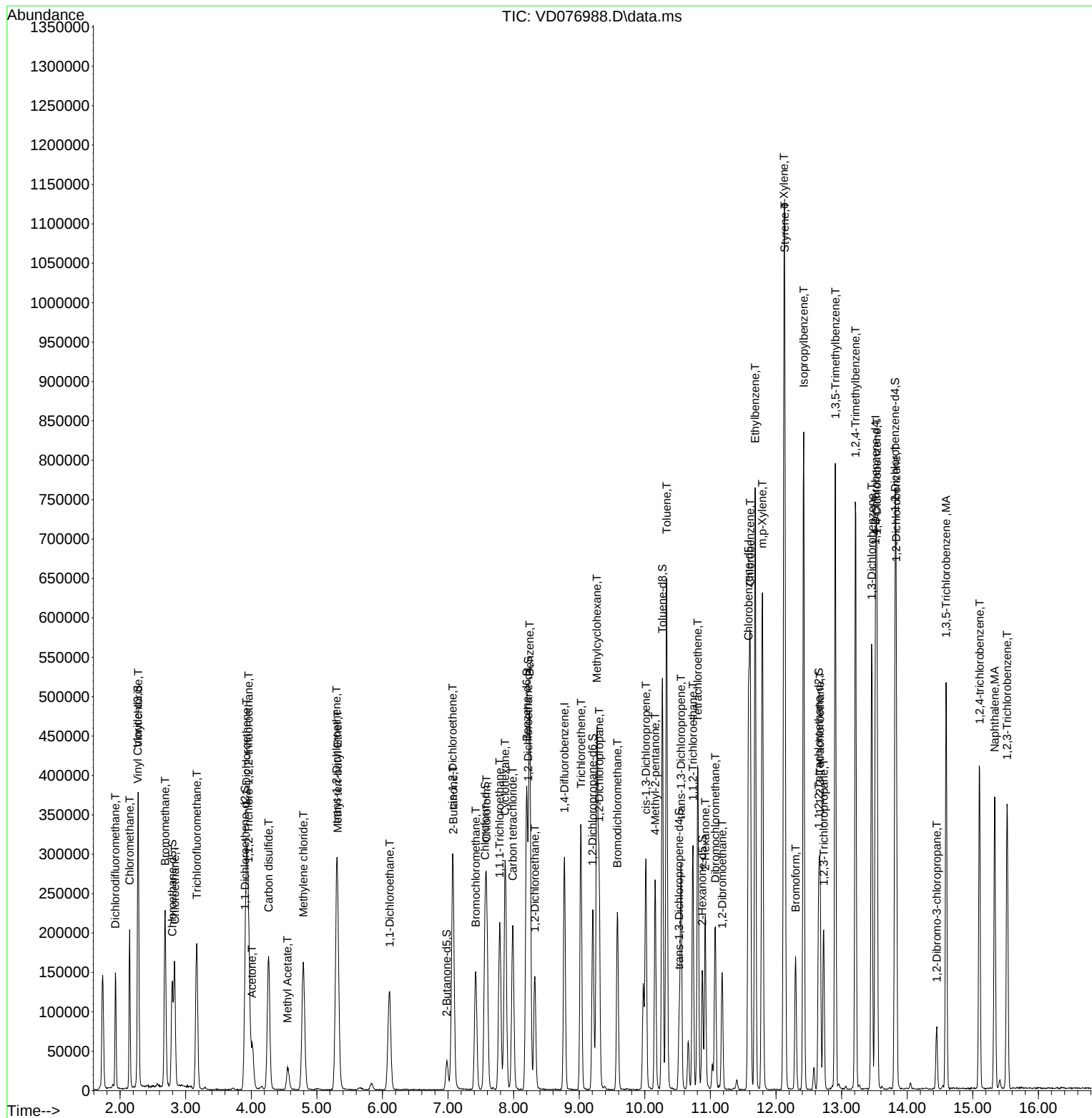
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	124875	23.508	ug/L	96
29) Cyclohexane	7.869	56	156722	25.052	ug/L #	78
30) 1,1,1-Trichloroethane	7.787	97	177492	25.206	ug/L	97
31) Carbon tetrachloride	7.987	117	154793	26.859	ug/L	98
33) Benzene	8.246	78	463439	24.879	ug/L	100
34) Trichloroethene	9.028	95	120551	24.850	ug/L	96
35) Methylcyclohexane	9.269	83	201326	25.448	ug/L	89
37) 1,2-Dichloropropane	9.304	63	111850	23.637	ug/L #	97
38) Bromodichloromethane	9.581	83	155341	23.838	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	186277	24.391	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	161667	54.223	ug/L #	87
42) Toluene	10.334	91	507353	25.047	ug/L	96
44) trans-1,3-Dichloropropene	10.551	75	162780	24.388	ug/L	96
45) 1,1,2-Trichloroethane	10.734	97	100230	23.833	ug/L	94
46) Tetrachloroethene	10.804	164	96887	26.500	ug/L	86
48) 2-Hexanone	10.922	43	130608	56.963	ug/L #	90
49) Dibromochloromethane	11.075	129	117175	25.045	ug/L	96
50) 1,2-Dibromoethane	11.181	107	101517	24.750	ug/L	92
51) Chlorobenzene	11.604	112	325841	24.690	ug/L	97
52) Ethylbenzene	11.681	91	552964	25.618	ug/L	98
53) m,p-Xylene	11.793	106	217521	26.118	ug/L	90
54) o-Xylene	12.122	106	205499	25.654	ug/L	99
55) Styrene	12.134	104	370379	25.573	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.669	83	128140	24.635	ug/L	96
59) Bromoform	12.298	173	76627	25.524	ug/L #	97
60) Isopropylbenzene	12.422	105	557789	25.620	ug/L	98
61) 1,2,3-Trichloropropane	12.728	75	86568	24.502	ug/L	96
62) 1,3,5-Trimethylbenzene	12.904	105	422308	25.463	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	420508	25.477	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	247788	24.938	ug/L	99
65) 1,4-Dichlorobenzene	13.540	146	252967	24.630	ug/L	97
67) 1,2-Dichlorobenzene	13.834	146	223959	24.044	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.451	75	18659	23.049	ug/L	97
69) 1,3,5-Trichlorobenzene	14.592	180	157398	25.314	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	135945	24.855	ug/L	96
71) Naphthalene	15.334	128	317599	24.695	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	125645	25.330	ug/L	98

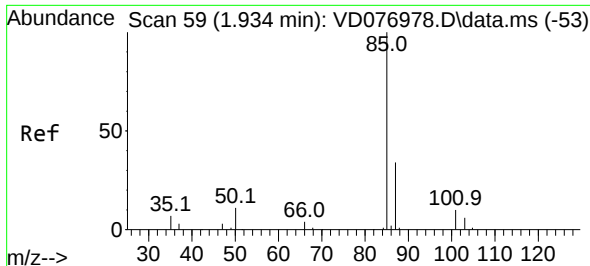
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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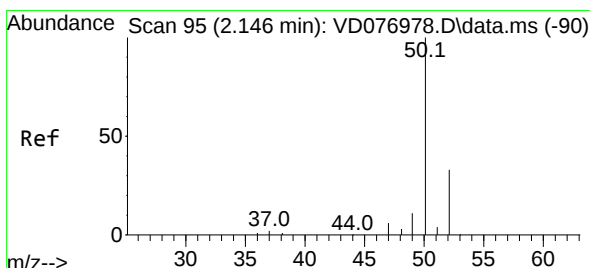
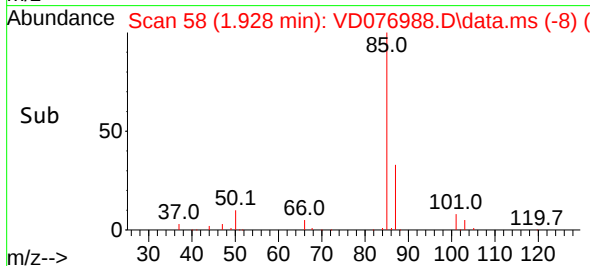
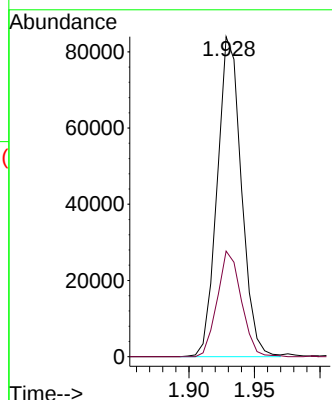
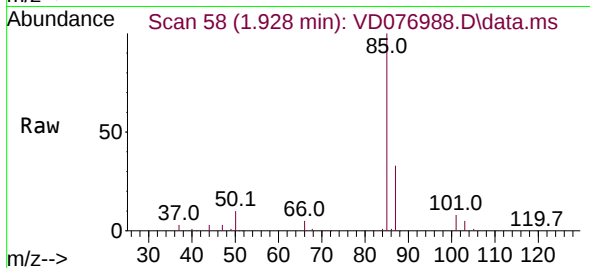




#2
Dichlorodifluoromethane
Concen: 23.257 ug/L
RT: 1.928 min Scan# 58
Delta R.T. -0.006 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

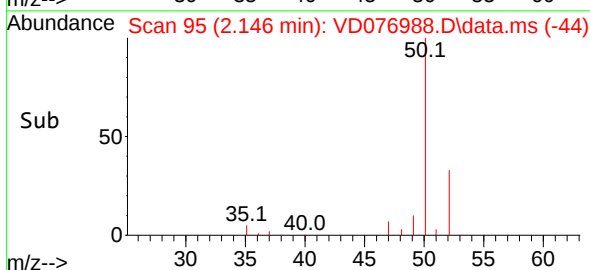
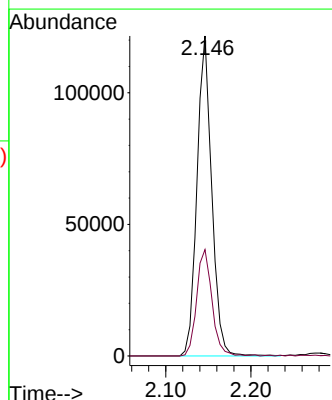
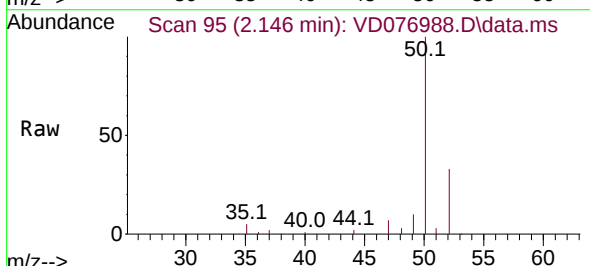
Instrument :
MSVOA_D
ClientSampleId :
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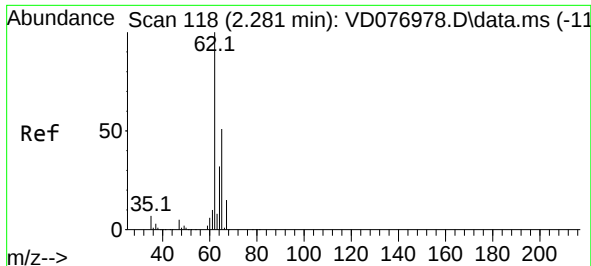
Tgt Ion: 85 Resp: 107260
Ion Ratio Lower Upper
85 100
87 32.9 26.3 39.5



#3
Chloromethane
Concen: 24.396 ug/L
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

Tgt Ion: 50 Resp: 145973
Ion Ratio Lower Upper
50 100
52 33.2 23.2 43.2

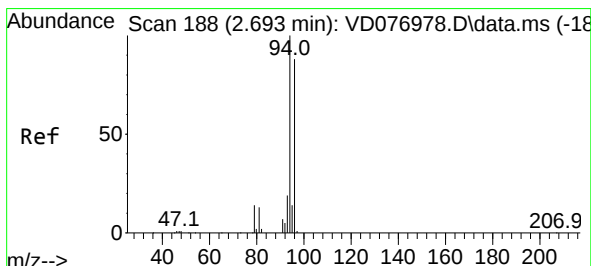
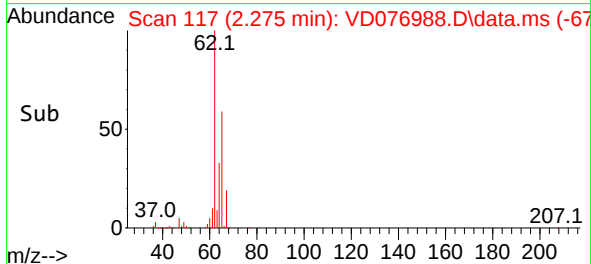
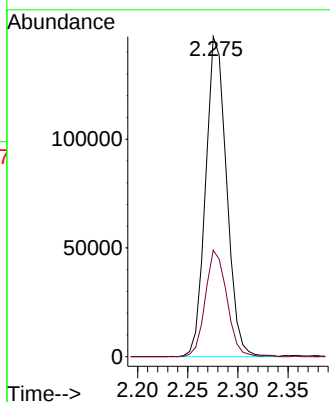
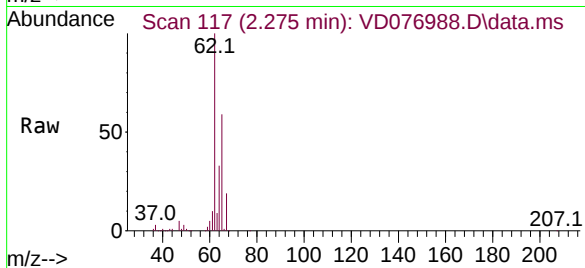




#5
 Vinyl chloride
 Concen: 24.979 ug/L
 RT: 2.275 min Scan# 118
 Delta R.T. -0.006 min
 Lab File: VD076988.D
 Acq: 11 Aug 2023 15:12

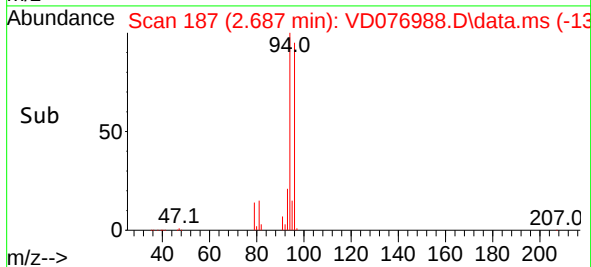
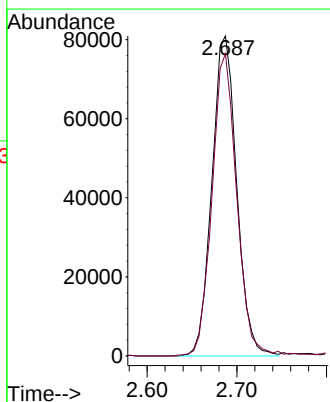
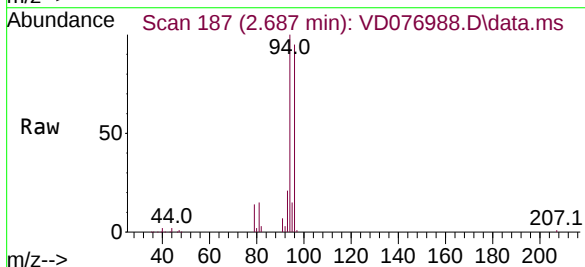
Instrument :
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 ClientSampleId :
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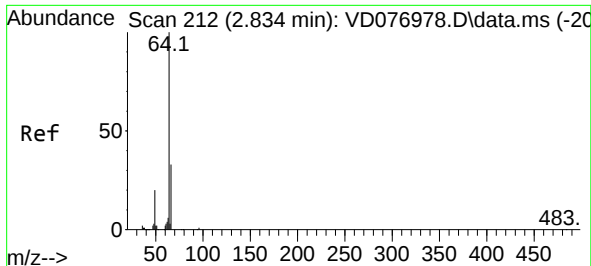
Tgt Ion: 62 Resp: 213734
 Ion Ratio Lower Upper
 62 100
 64 33.2 21.1 39.1



#6
 Bromomethane
 Concen: 24.336 ug/L
 RT: 2.687 min Scan# 187
 Delta R.T. -0.006 min
 Lab File: VD076988.D
 Acq: 11 Aug 2023 15:12

Tgt Ion: 94 Resp: 155432
 Ion Ratio Lower Upper
 94 100
 96 94.5 64.7 120.1

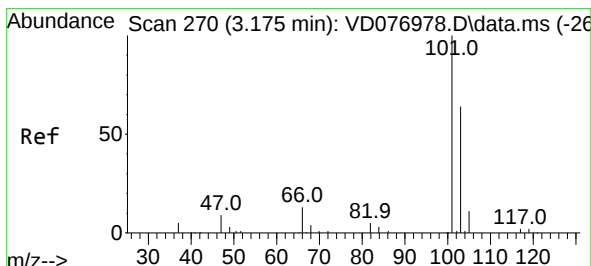
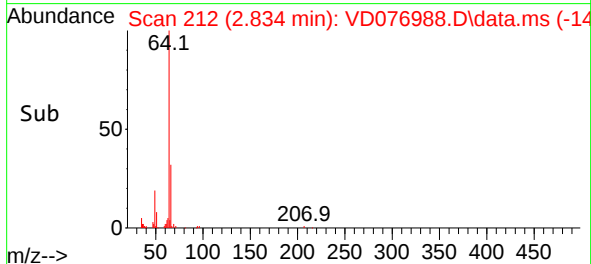
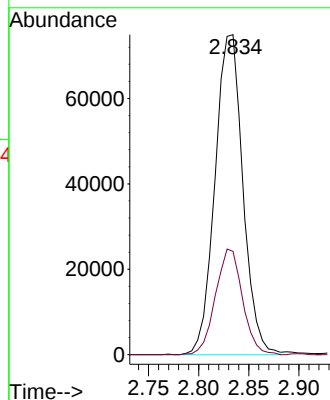
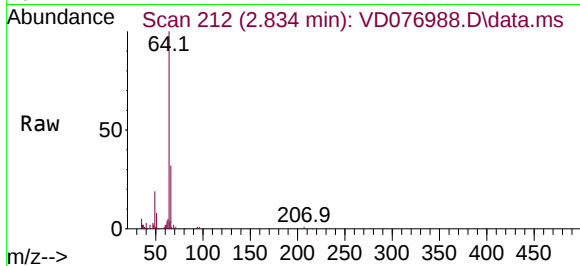




#8
Chloroethane
Concen: 25.175 ug/L
RT: 2.834 min Scan# 212
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

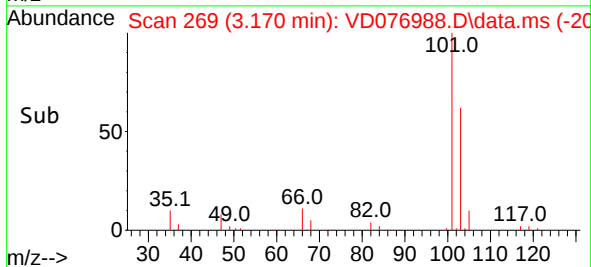
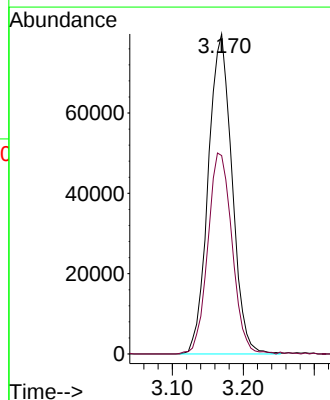
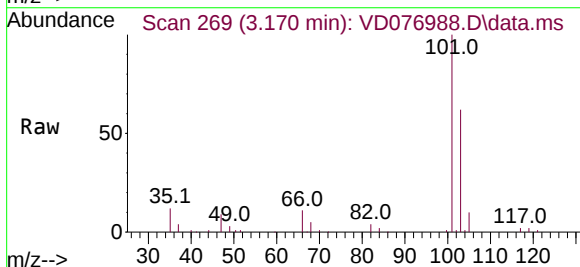
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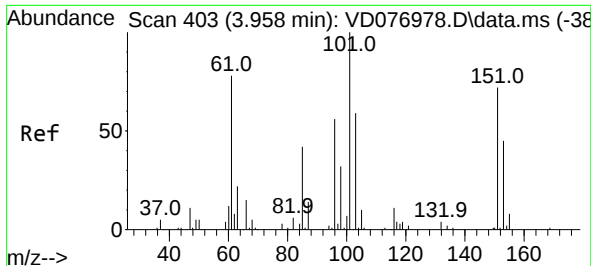
Tgt Ion: 64 Resp: 145011
Ion Ratio Lower Upper
64 100
66 32.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 26.103 ug/L
RT: 3.170 min Scan# 269
Delta R.T. -0.006 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

Tgt Ion:101 Resp: 184928
Ion Ratio Lower Upper
101 100
103 64.0 51.8 77.6

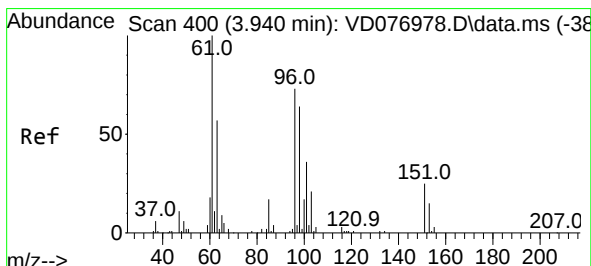
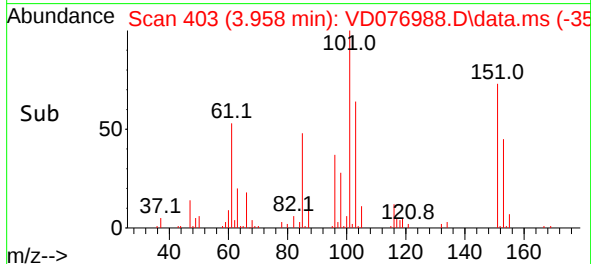
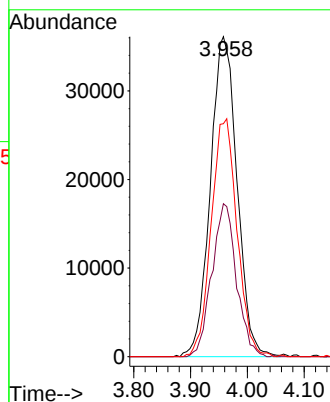
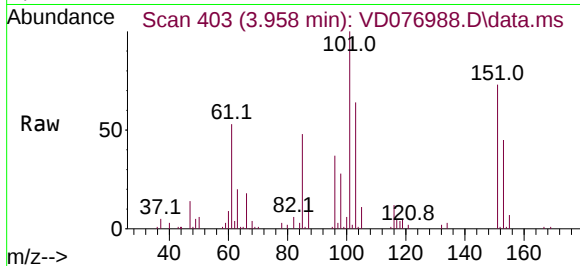




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 25.548 ug/L
 RT: 3.958 min Scan# 403
 Delta R.T. -0.000 min
 Lab File: VD076988.D
 Acq: 11 Aug 2023 15:12

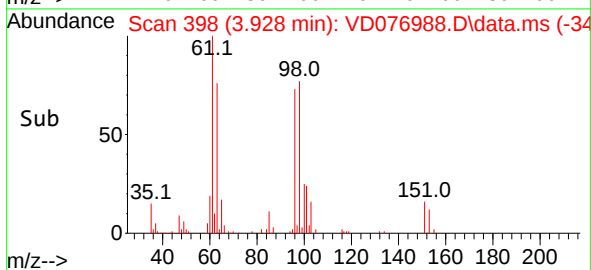
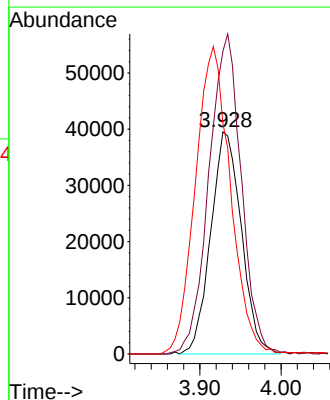
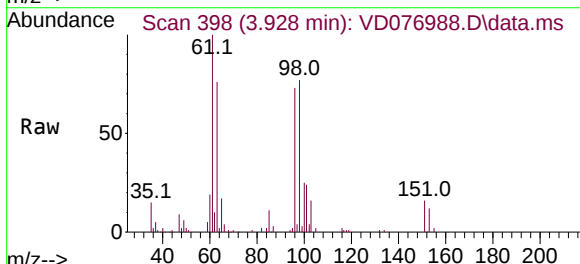
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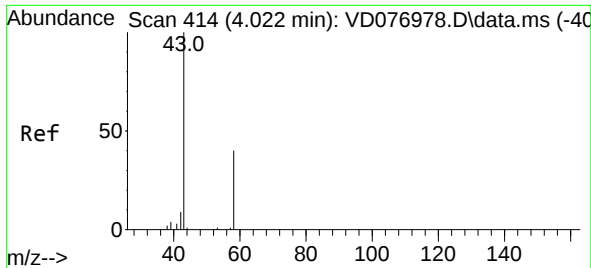
Tgt Ion:101 Resp: 117938
 Ion Ratio Lower Upper
 101 100
 85 44.0 35.5 53.3
 151 71.7 58.6 87.8



#12
 1,1-Dichloroethene
 Concen: 25.284 ug/L
 RT: 3.928 min Scan# 398
 Delta R.T. -0.012 min
 Lab File: VD076988.D
 Acq: 11 Aug 2023 15:12

Tgt Ion: 96 Resp: 103496
 Ion Ratio Lower Upper
 96 100
 61 136.3 113.0 209.8
 63 103.7 83.6 155.2





#13

Acetone

Concen: 67.727 ug/L

RT: 4.011 min Scan# 41

Delta R.T. -0.012 min

Lab File: VD076988.D

Acq: 11 Aug 2023 15:12

Instrument :

MSVOA_D

ClientSampleId :

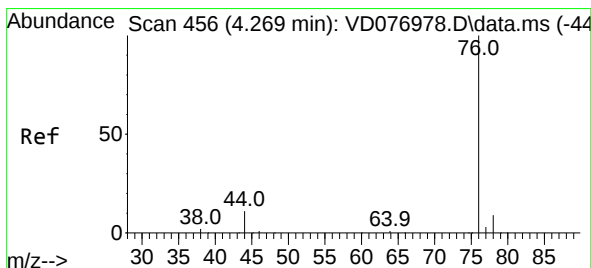
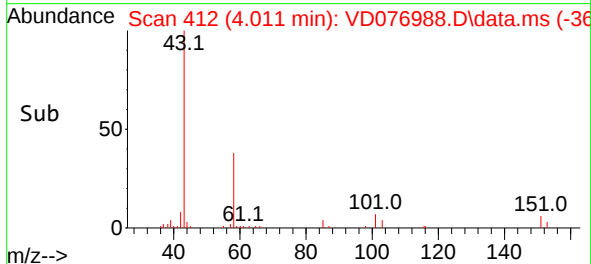
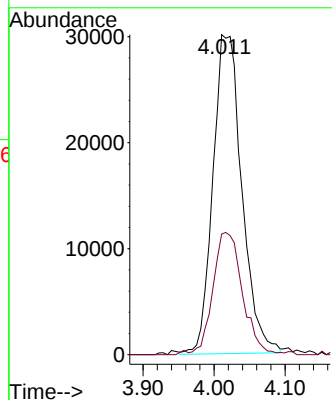
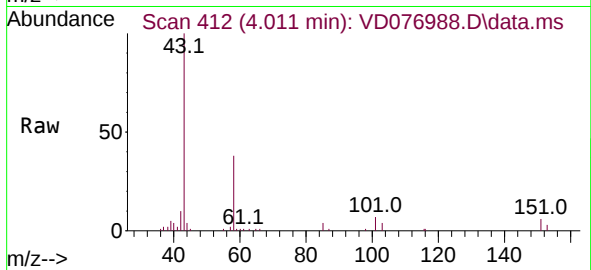
VSTD025180

Tgt Ion: 43 Resp: 85084

Ion Ratio Lower Upper

43 100

58 39.0 0.0 67.4



#14

Carbon disulfide

Concen: 24.973 ug/L

RT: 4.264 min Scan# 455

Delta R.T. -0.006 min

Lab File: VD076988.D

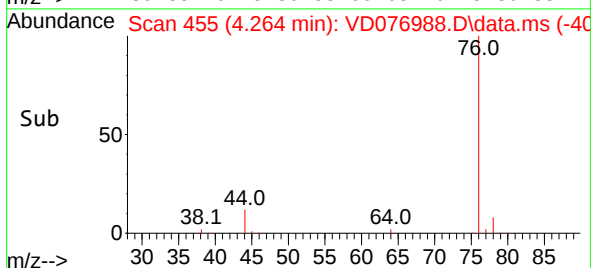
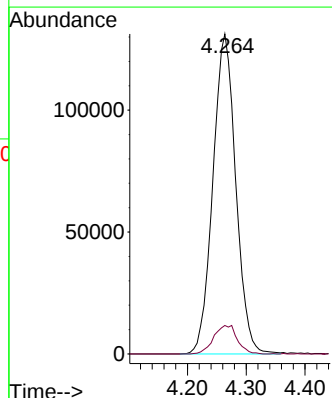
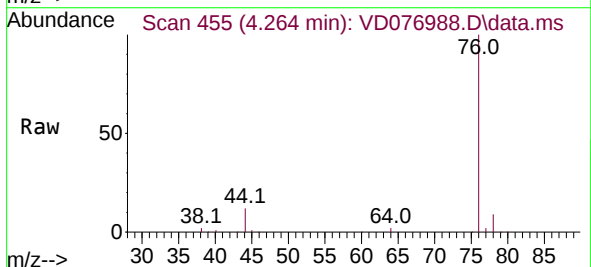
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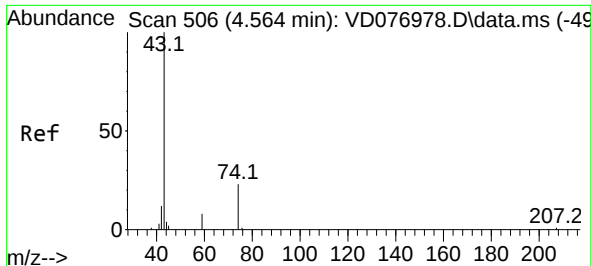
Tgt Ion: 76 Resp: 354795

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4

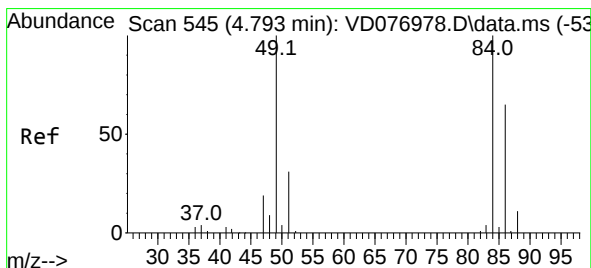
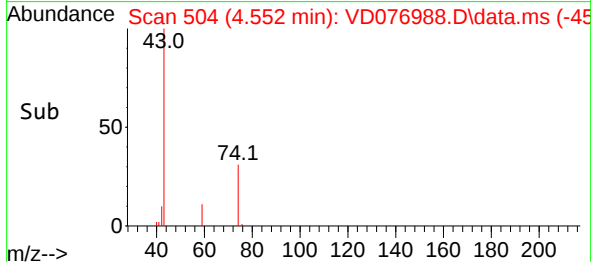
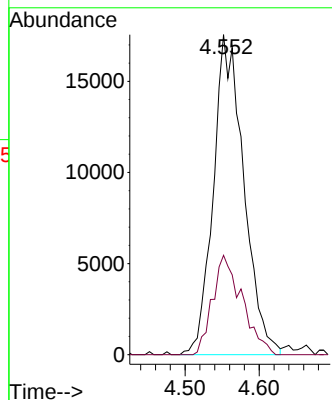
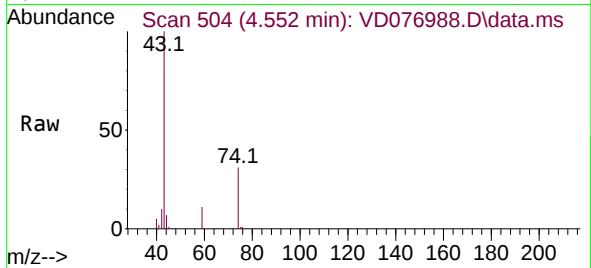




#15
Methyl Acetate
Concen: 23.589 ug/L
RT: 4.552 min Scan# 504
Delta R.T. -0.012 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

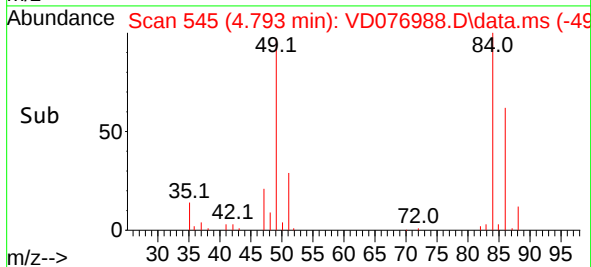
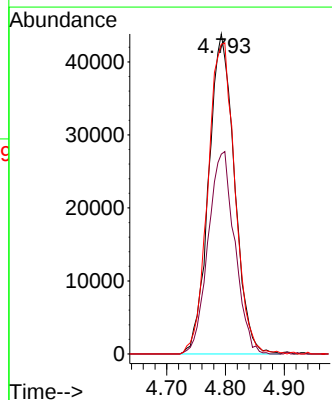
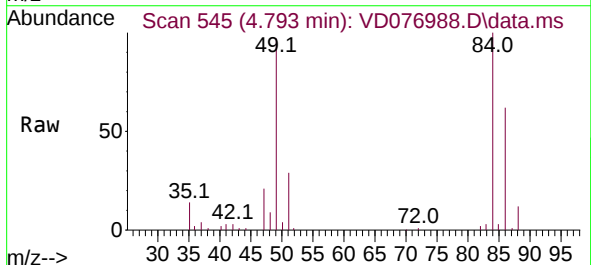
Instrument :
MSVOA_D
ClientSampleId :
VSTD025180

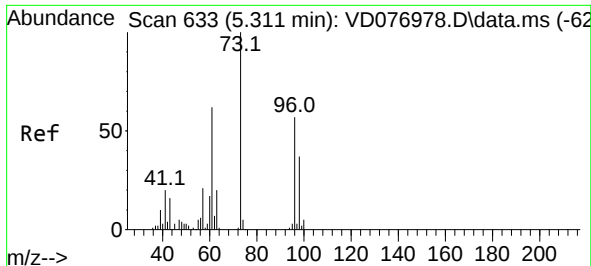
Tgt Ion: 43 Resp: 50089
Ion Ratio Lower Upper
43 100
74 21.9 18.2 27.2



#16
Methylene chloride
Concen: 22.916 ug/L
RT: 4.793 min Scan# 545
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

Tgt Ion: 84 Resp: 133755
Ion Ratio Lower Upper
84 100
86 62.4 45.1 83.9
49 96.7 97.2 180.6#

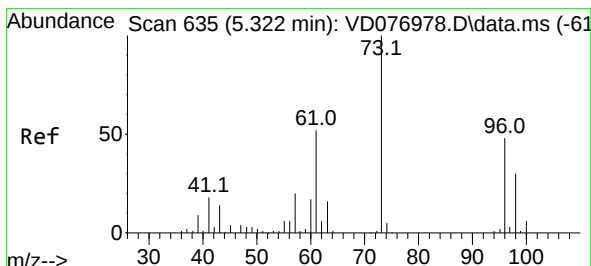
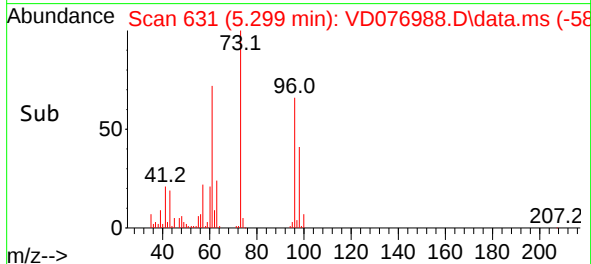
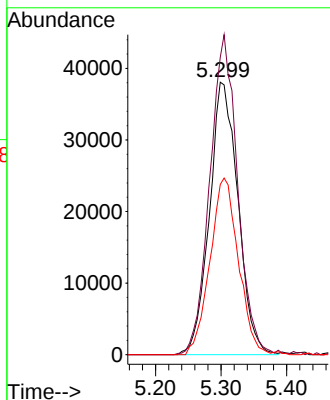
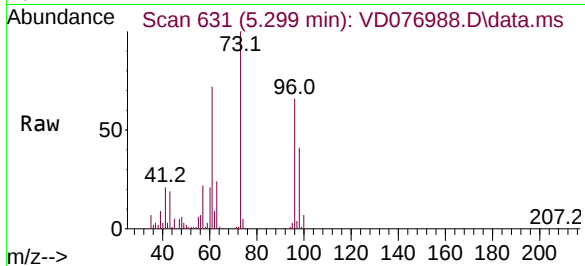




#17
trans-1,2-Dichloroethene
Concen: 24.865 ug/L
RT: 5.299 min Scan# 611
Delta R.T. -0.012 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

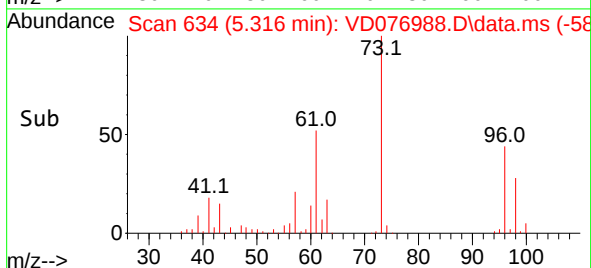
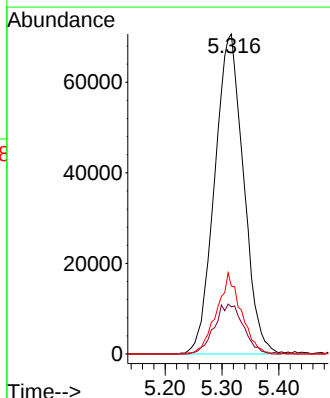
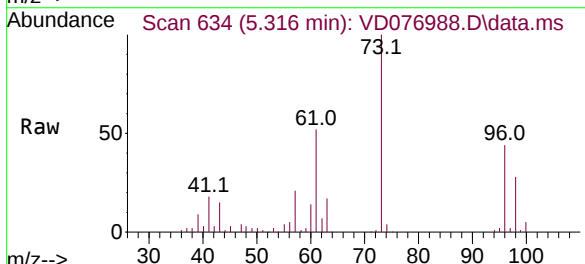
Instrument :
MSVOA_D
ClientSampleId :
VSTD025180

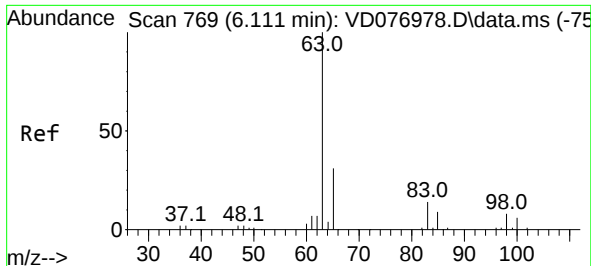
Tgt Ion: 96 Resp: 115243
Ion Ratio Lower Upper
96 100
61 109.2 94.5 175.5
98 62.5 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 24.336 ug/L
RT: 5.316 min Scan# 634
Delta R.T. -0.006 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

Tgt Ion: 73 Resp: 249190
Ion Ratio Lower Upper
73 100
43 6.6 7.2 10.8#
57 21.5 18.6 28.0





#19

1,1-Dichloroethane

Concen: 23.902 ug/L

RT: 6.111 min Scan# 769

Delta R.T. -0.000 min

Lab File: VD076988.D

Acq: 11 Aug 2023 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTD025180

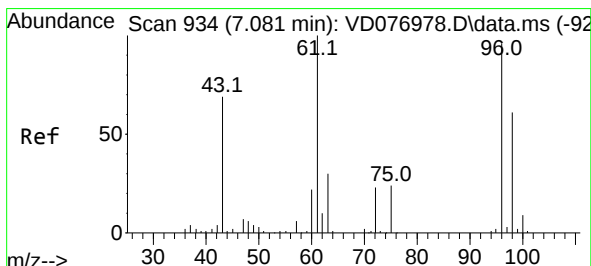
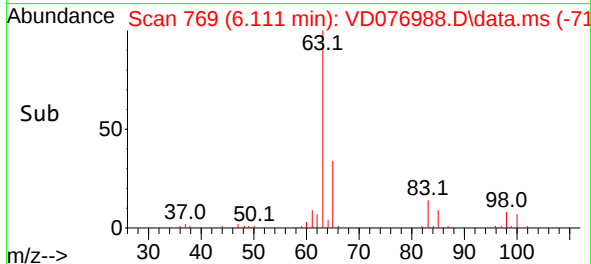
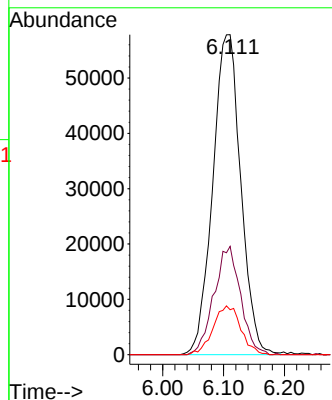
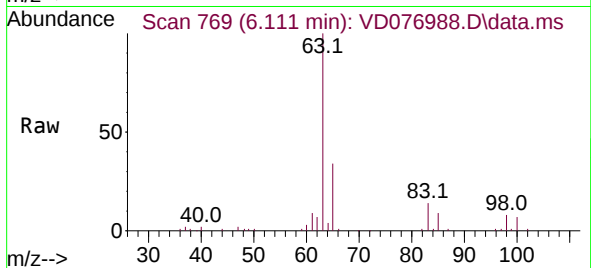
Tgt Ion: 63 Resp: 184968

Ion Ratio Lower Upper

63 100

65 33.8 20.8 38.6

83 14.0 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 24.961 ug/L

RT: 7.069 min Scan# 932

Delta R.T. -0.012 min

Lab File: VD076988.D

Acq: 11 Aug 2023 15:12

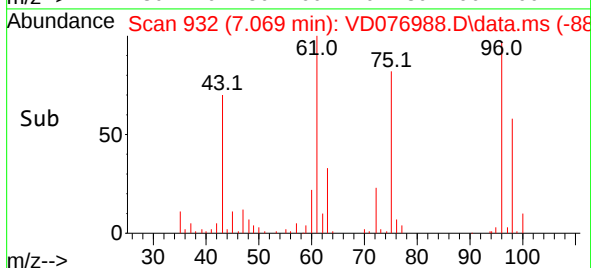
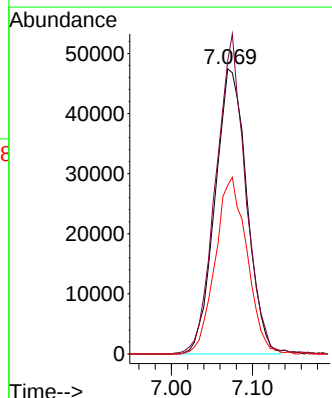
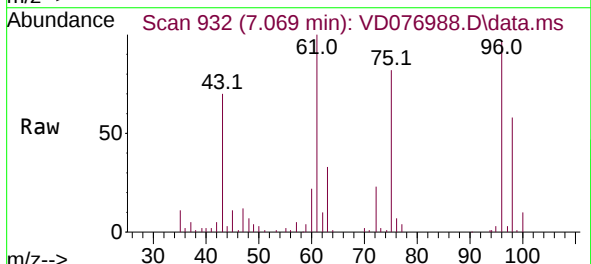
Tgt Ion: 96 Resp: 129145

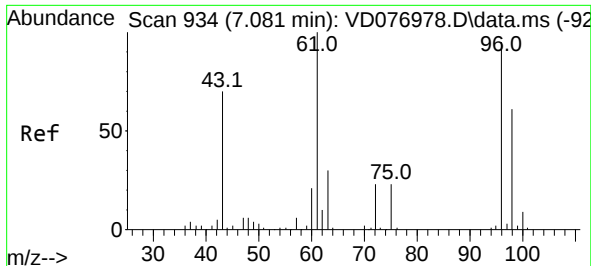
Ion Ratio Lower Upper

96 100

61 102.8 86.0 159.6

98 59.2 42.2 78.4

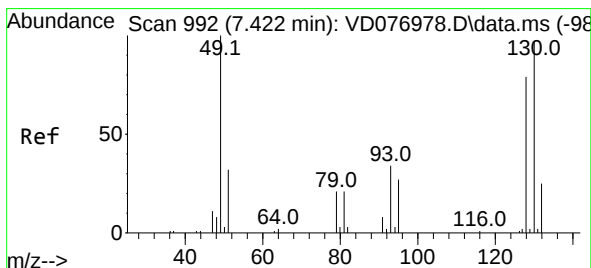
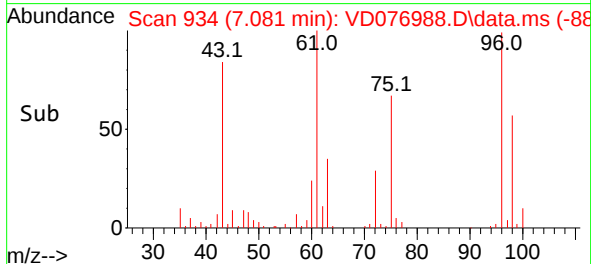
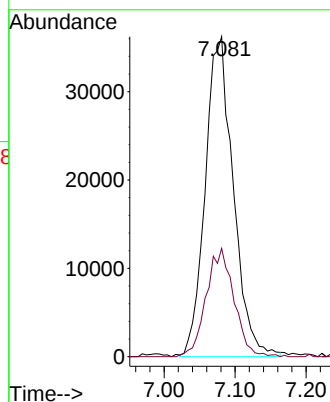
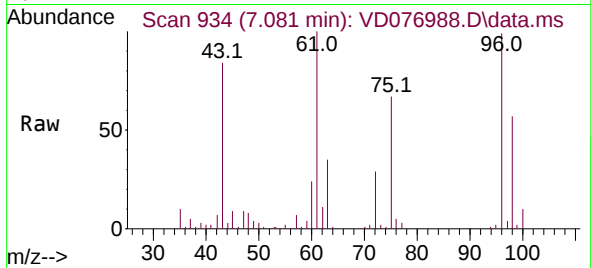




#22
2-Butanone
Concen: 56.551 ug/L
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

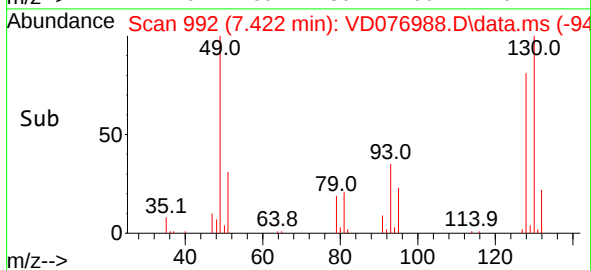
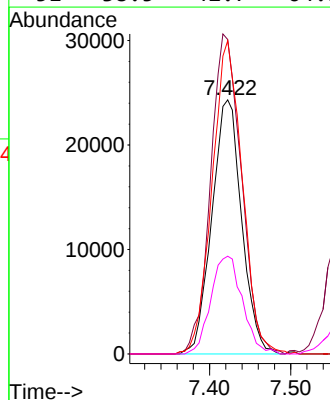
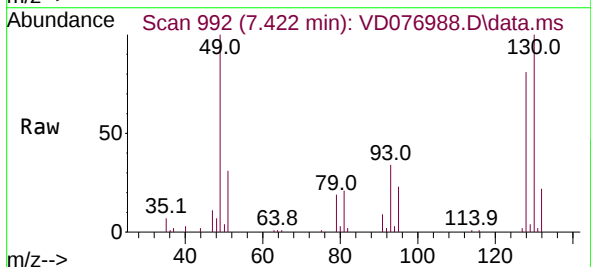
Instrument :
MSVOA_D
ClientSampleId :
VSTD025180

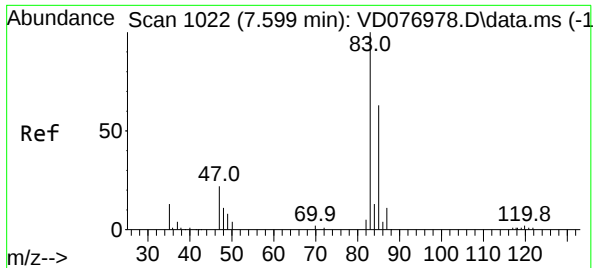
Tgt Ion: 43 Resp: 99398
Ion Ratio Lower Upper
43 100
72 33.1 12.9 38.7



#23
Bromochloromethane
Concen: 24.649 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

Tgt Ion: 128 Resp: 61856
Ion Ratio Lower Upper
128 100
49 123.7 124.7 231.7#
130 123.2 80.0 148.6
51 38.5 42.7 64.1#





#25

Chloroform

Concen: 24.492 ug/L

RT: 7.587 min Scan# 1020

Delta R.T. -0.012 min

Lab File: VD076988.D

Acq: 11 Aug 2023 15:12

Instrument :

MSVOA_D

ClientSampleId :

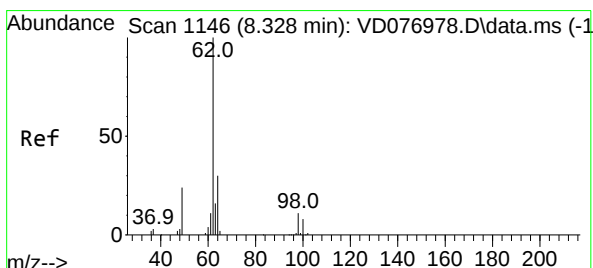
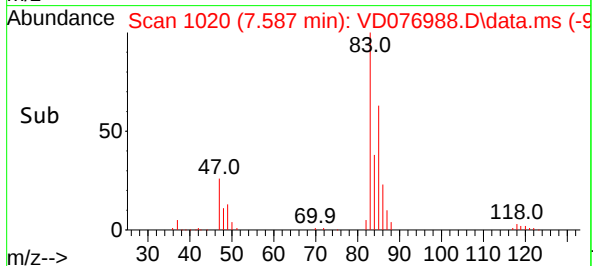
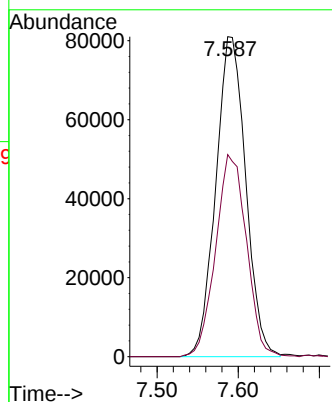
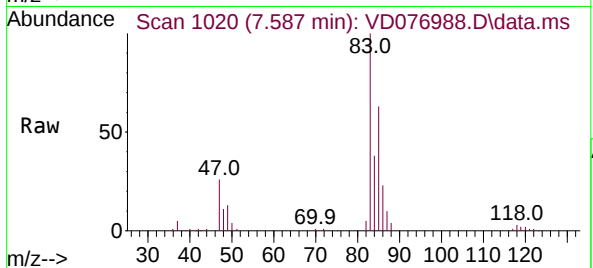
VSTD025180

Tgt Ion: 83 Resp: 207585

Ion Ratio Lower Upper

83 100

85 63.2 45.4 84.4



#27

1,2-Dichloroethane

Concen: 23.508 ug/L

RT: 8.322 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VD076988.D

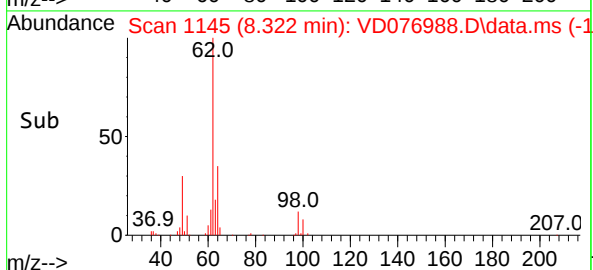
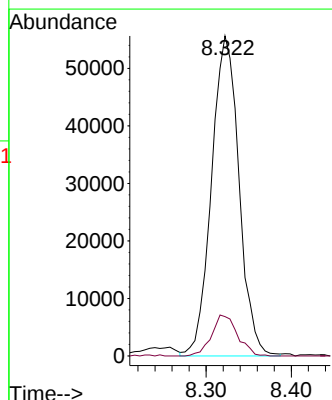
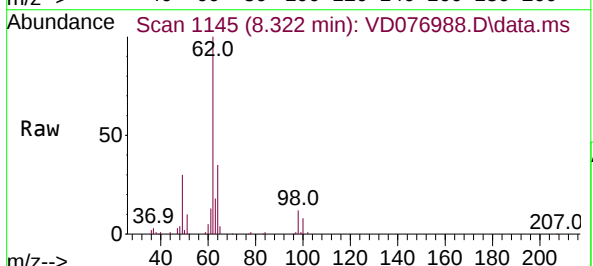
Acq: 11 Aug 2023 15:12

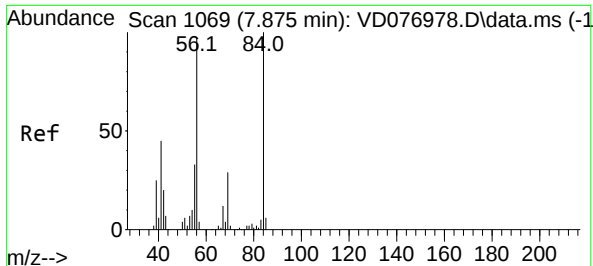
Tgt Ion: 62 Resp: 124875

Ion Ratio Lower Upper

62 100

98 12.3 8.7 13.1





#29

Cyclohexane

Concen: 25.052 ug/L

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076988.D

Acq: 11 Aug 2023 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTD025180

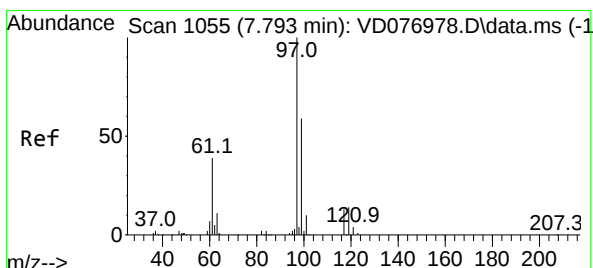
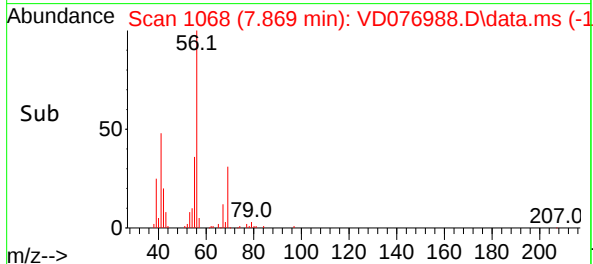
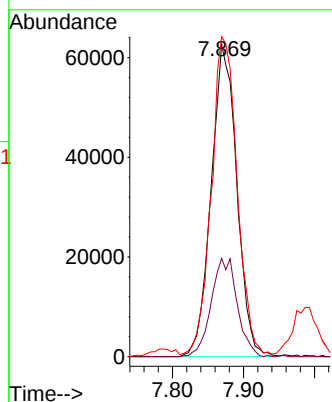
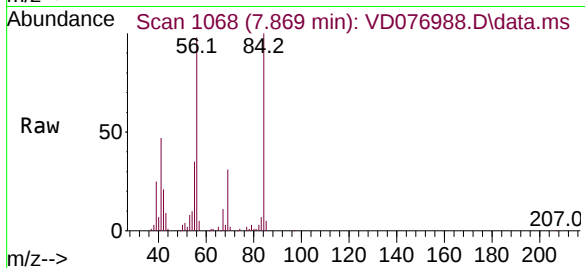
Tgt Ion: 56 Resp: 156722

Ion Ratio Lower Upper

56 100

69 19.6 23.4 35.0#

84 103.5 66.3 99.5#



#30

1,1,1-Trichloroethane

Concen: 25.206 ug/L

RT: 7.787 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VD076988.D

Acq: 11 Aug 2023 15:12

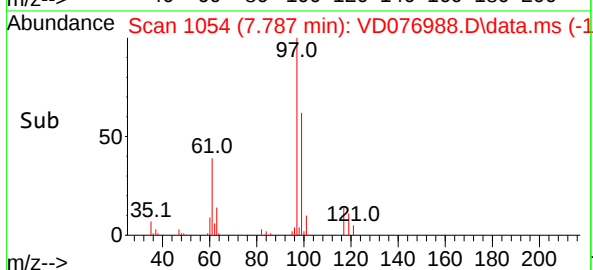
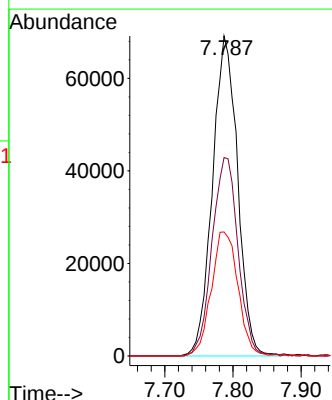
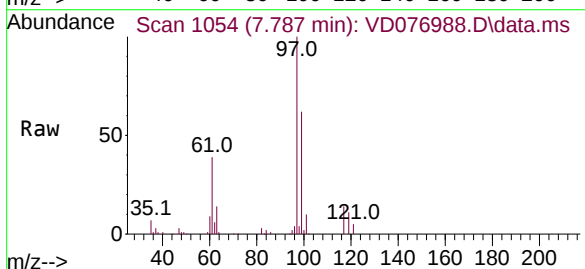
Tgt Ion: 97 Resp: 177492

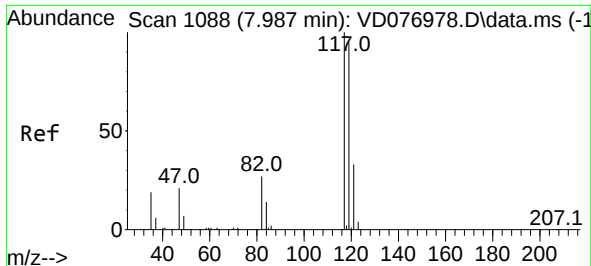
Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.6

61 41.1 36.4 54.6

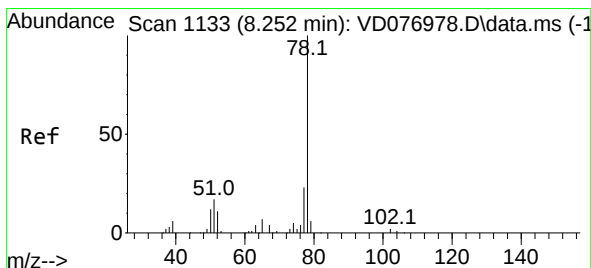
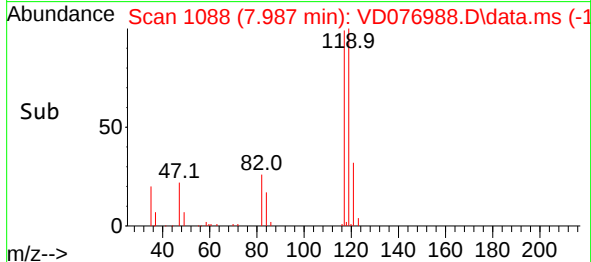
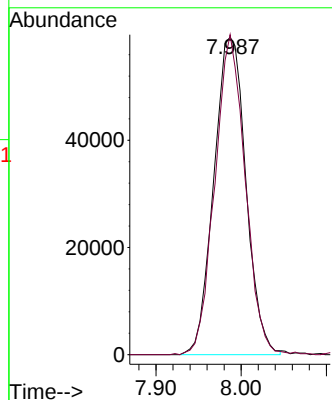
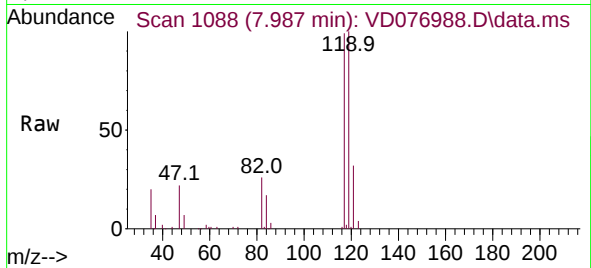




#31
Carbon tetrachloride
Concen: 26.859 ug/L
RT: 7.987 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

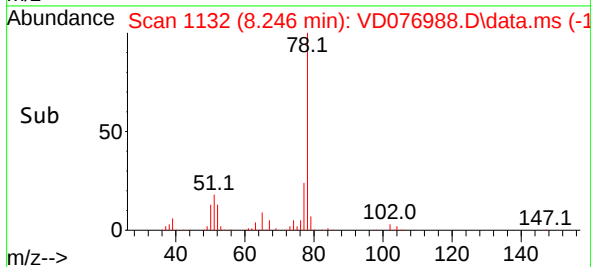
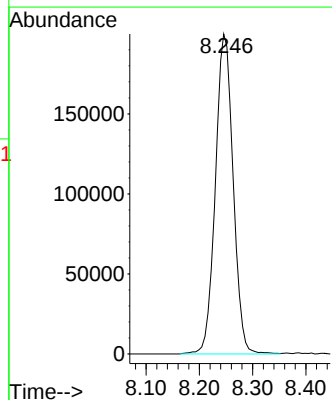
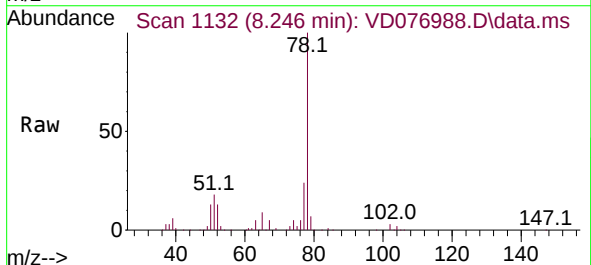
Instrument :
MSVOA_D
ClientSampleId :
VSTD025180

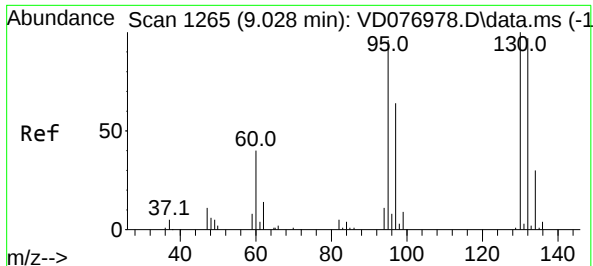
Tgt Ion:117 Resp: 154793
Ion Ratio Lower Upper
117 100
119 95.0 77.8 116.6



#33
Benzene
Concen: 24.879 ug/L
RT: 8.246 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

Tgt Ion: 78 Resp: 463439



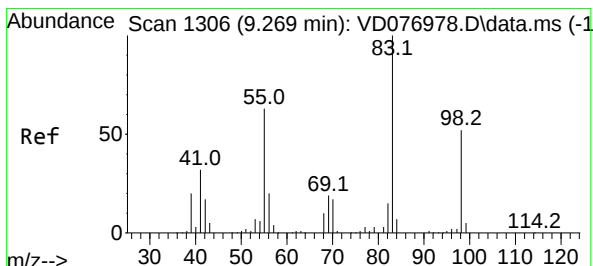
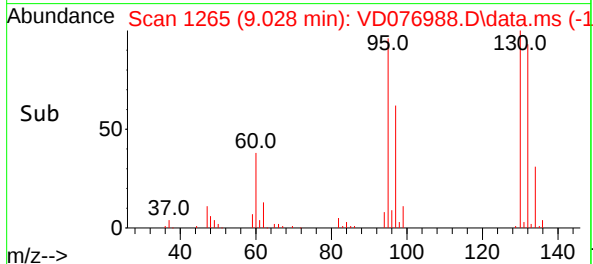
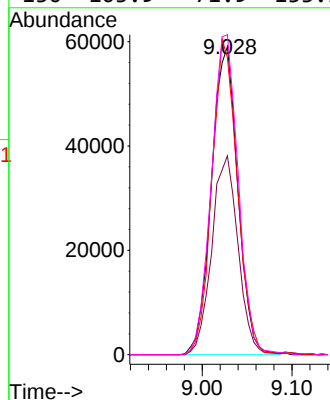
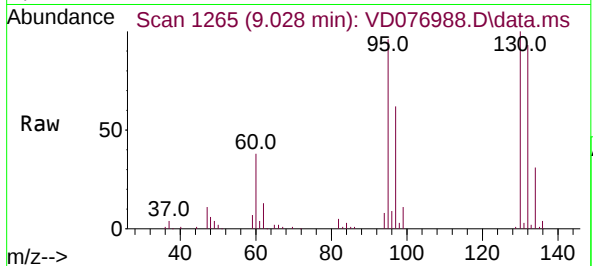


#34
Trichloroethene
Concen: 24.850 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTD025180

Tgt Ion: 95 Resp: 120551

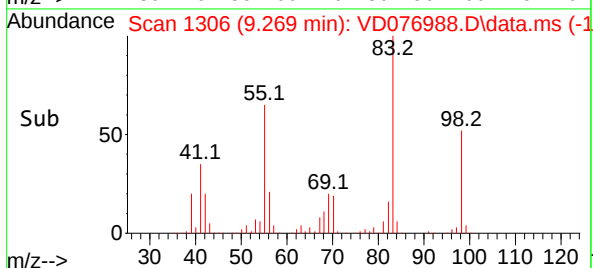
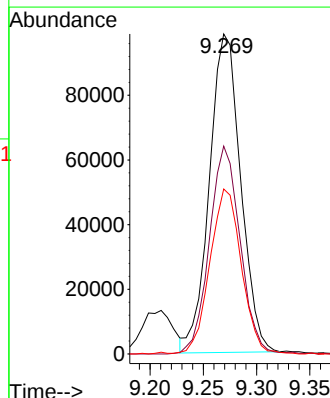
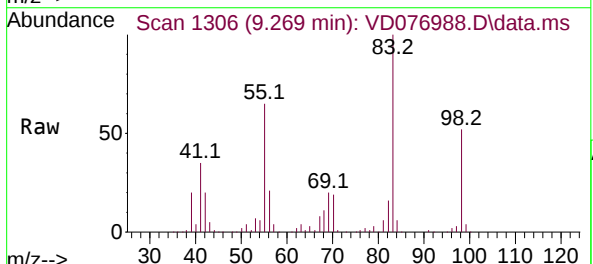
Ion	Ratio	Lower	Upper
95	100		
97	64.6	43.1	80.1
132	96.4	71.8	133.4
130	103.9	71.9	133.5

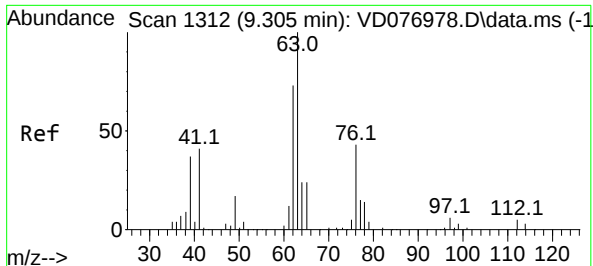


#35
Methylcyclohexane
Concen: 25.448 ug/L
RT: 9.269 min Scan# 1306
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

Tgt Ion: 83 Resp: 201326

Ion	Ratio	Lower	Upper
83	100		
55	64.0	59.8	89.6
98	52.0	37.8	56.6





#37

1,2-Dichloropropane

Concen: 23.637 ug/L

RT: 9.304 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076988.D

Acq: 11 Aug 2023 15:12

Instrument :

MSVOA_D

ClientSampleId :

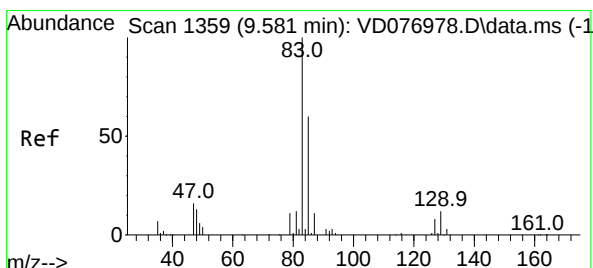
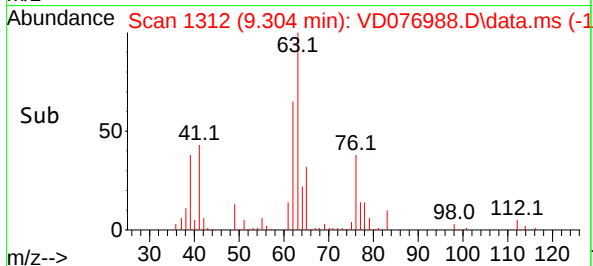
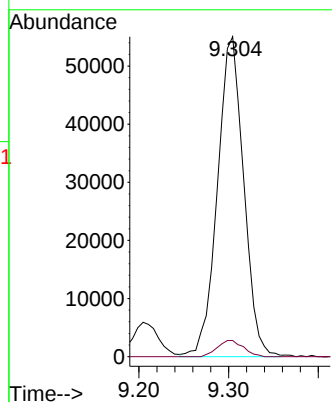
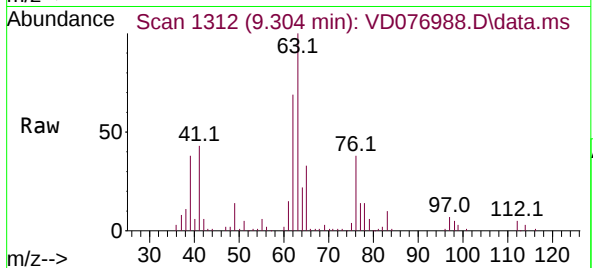
VSTD025180

Tgt Ion: 63 Resp: 111850

Ion Ratio Lower Upper

63 100

112 5.0 3.1 4.7#



#38

Bromodichloromethane

Concen: 23.838 ug/L

RT: 9.581 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VD076988.D

Acq: 11 Aug 2023 15:12

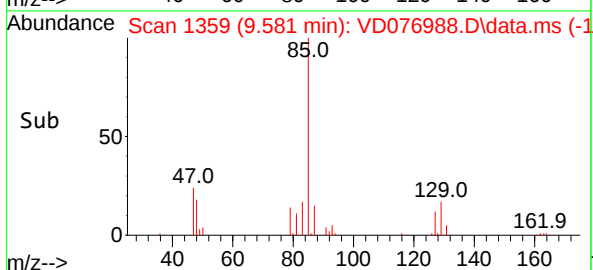
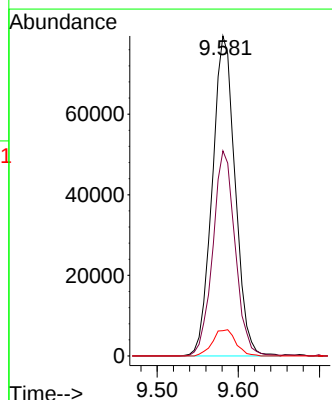
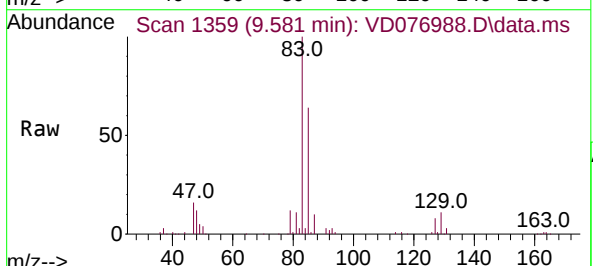
Tgt Ion: 83 Resp: 155341

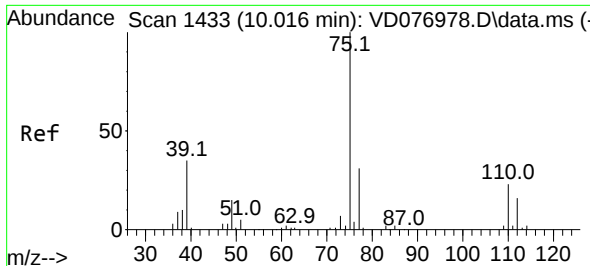
Ion Ratio Lower Upper

83 100

85 64.1 43.9 81.5

127 7.9 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 24.391 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. -0.000 min

Lab File: VD076988.D

Acq: 11 Aug 2023 15:12

Instrument :

MSVOA_D

ClientSampleId :

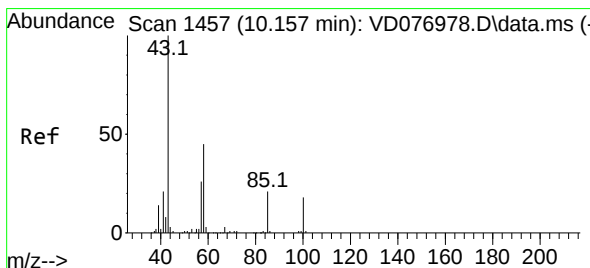
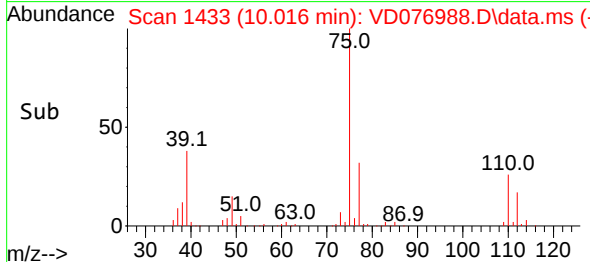
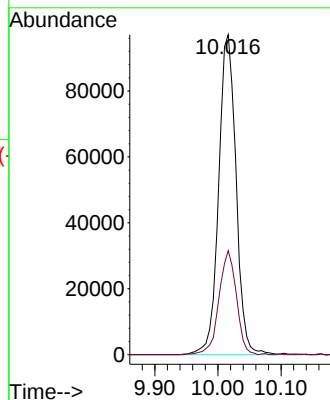
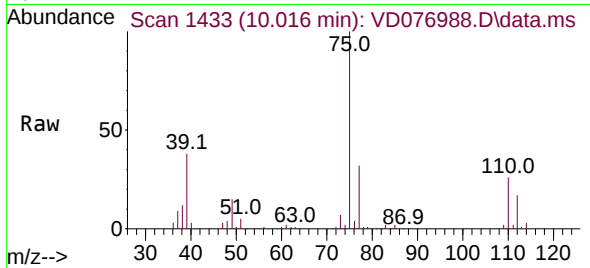
VSTD025180

Tgt Ion: 75 Resp: 186277

Ion Ratio Lower Upper

75 100

77 32.5 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 54.223 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VD076988.D

Acq: 11 Aug 2023 15:12

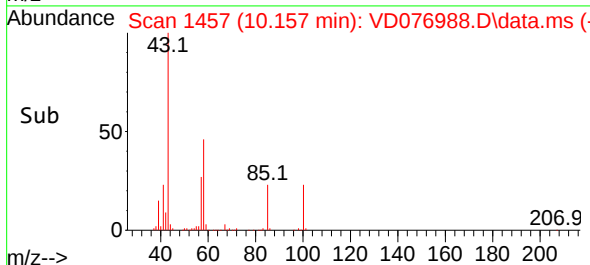
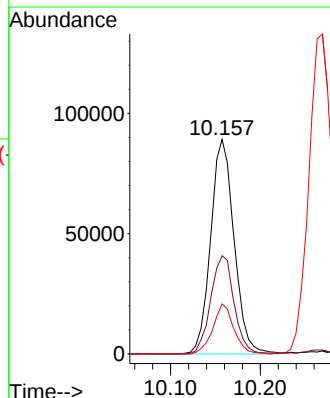
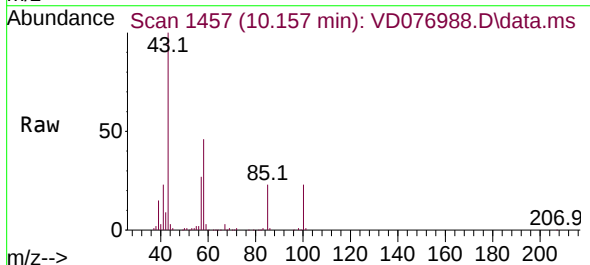
Tgt Ion: 43 Resp: 161667

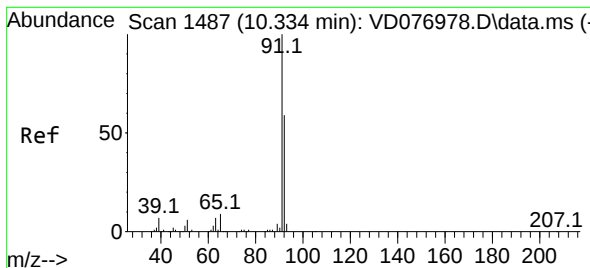
Ion Ratio Lower Upper

43 100

58 45.6 30.7 46.1

100 20.9 11.0 16.4#





#42

Toluene

Concen: 25.047 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD076988.D

Acq: 11 Aug 2023 15:12

Instrument :

MSVOA_D

ClientSampleId :

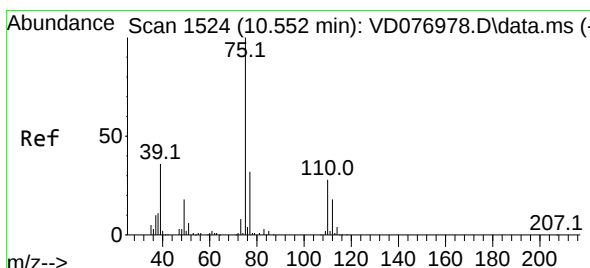
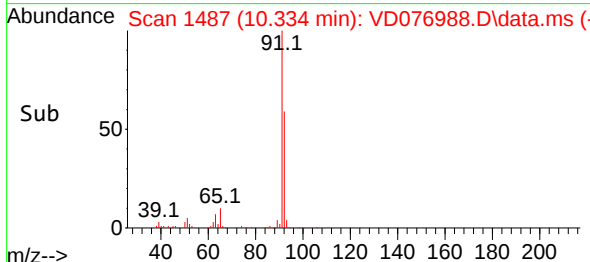
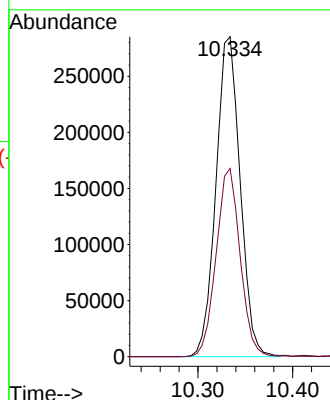
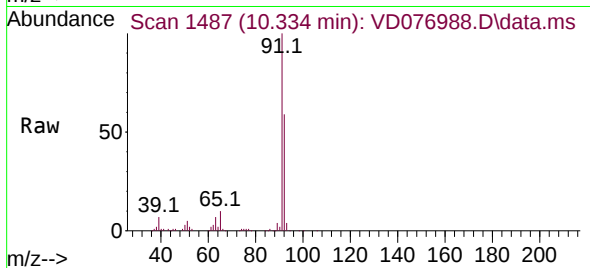
VSTD025180

Tgt Ion: 91 Resp: 507353

Ion Ratio Lower Upper

91 100

92 58.8 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 24.388 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. -0.000 min

Lab File: VD076988.D

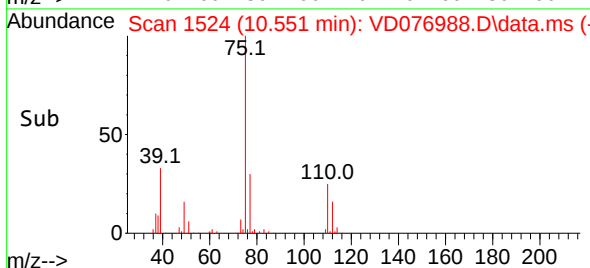
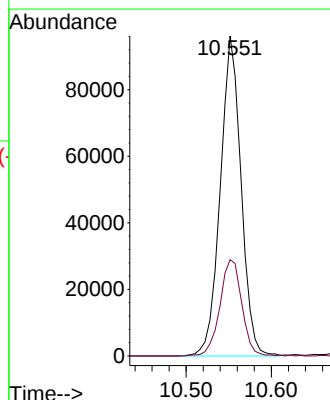
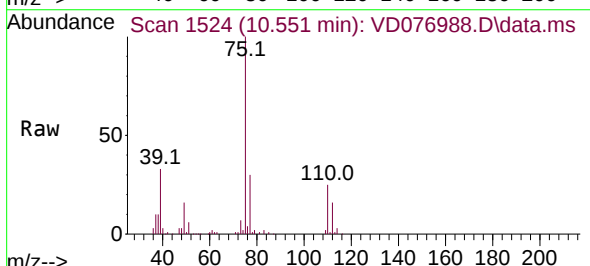
Acq: 11 Aug 2023 15:12

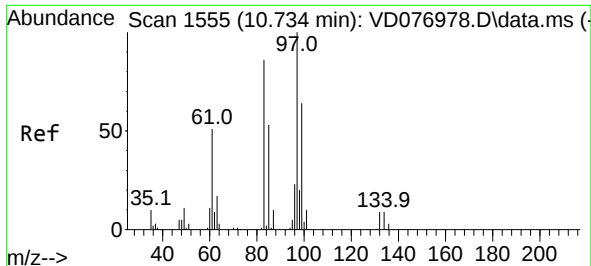
Tgt Ion: 75 Resp: 162780

Ion Ratio Lower Upper

75 100

77 30.1 22.5 41.7

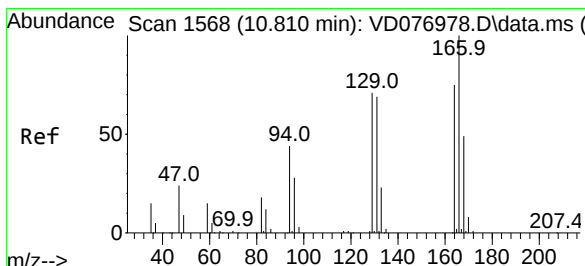
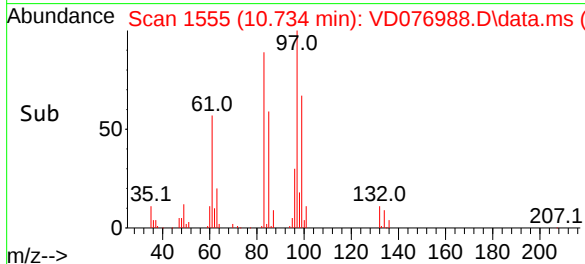
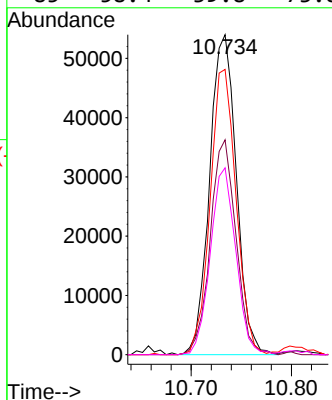
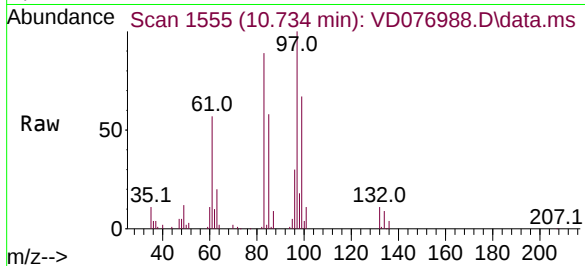




#45
1,1,2-Trichloroethane
Concen: 23.833 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

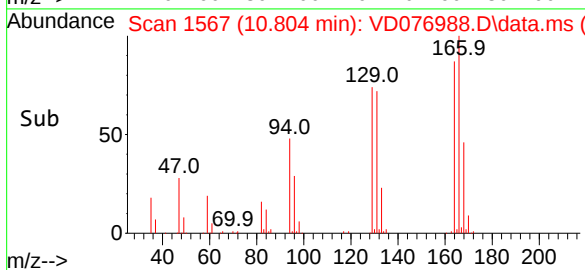
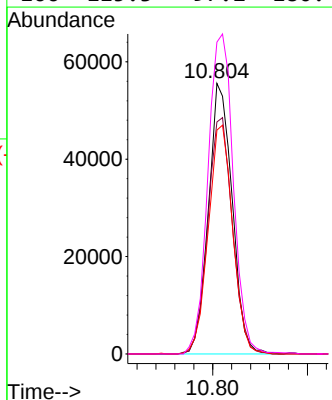
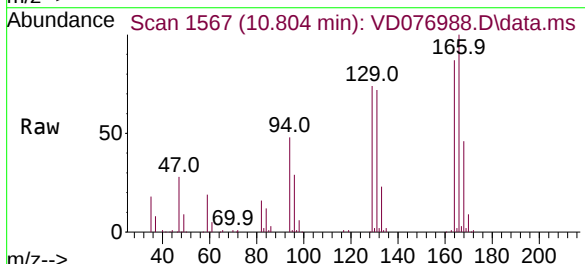
Instrument :
MSVOA_D
ClientSampleId :
VSTD025180

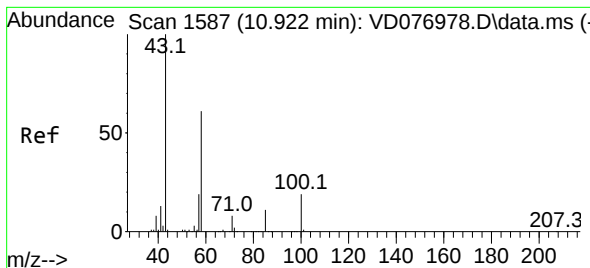
Tgt Ion:	97	Resp:	100230
Ion	Ratio	Lower	Upper
97	100		
99	67.2	41.9	77.9
83	89.2	59.2	110.0
85	58.4	39.8	73.8



#46
Tetrachloroethene
Concen: 26.500 ug/L
RT: 10.804 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

Tgt Ion:	164	Resp:	96887
Ion	Ratio	Lower	Upper
164	100		
129	85.7	65.5	121.6
131	82.7	64.8	120.3
166	115.3	97.2	180.4





#48

2-Hexanone

Concen: 56.963 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. -0.000 min

Lab File: VD076988.D

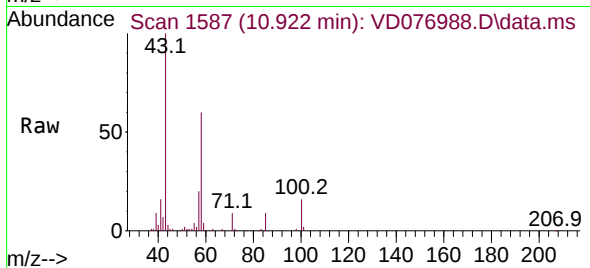
Acq: 11 Aug 2023 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTD025180



Tgt Ion: 43 Resp: 130608

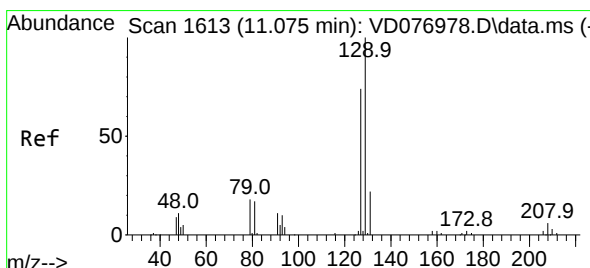
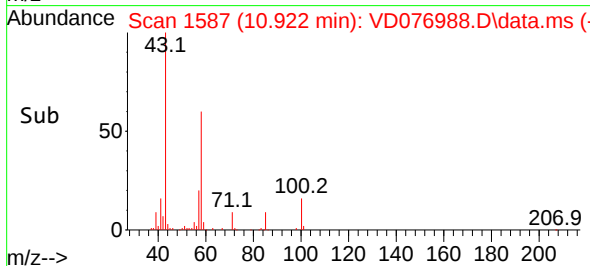
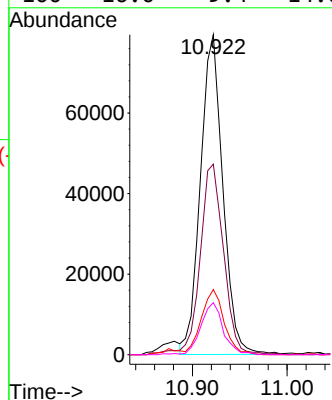
Ion Ratio Lower Upper

43 100

58 61.2 42.9 64.3

57 20.6 13.7 20.5#

100 16.0 9.4 14.0#



#49

Dibromochloromethane

Concen: 25.045 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. -0.000 min

Lab File: VD076988.D

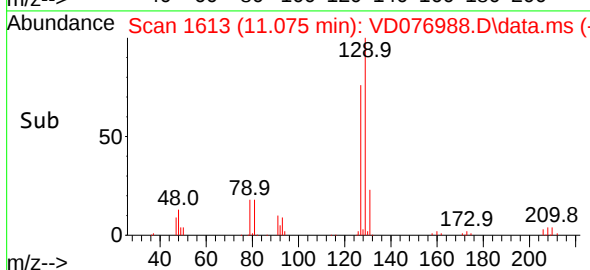
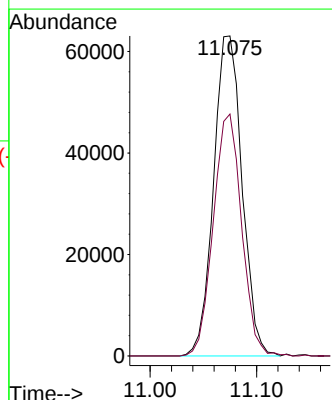
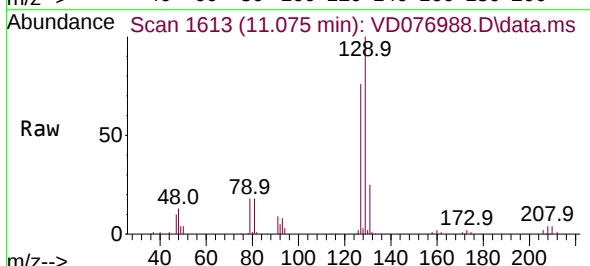
Acq: 11 Aug 2023 15:12

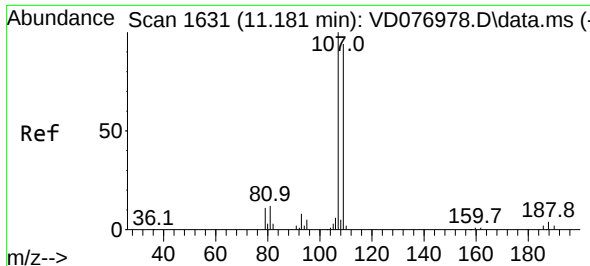
Tgt Ion: 129 Resp: 117175

Ion Ratio Lower Upper

129 100

127 75.6 55.2 102.6

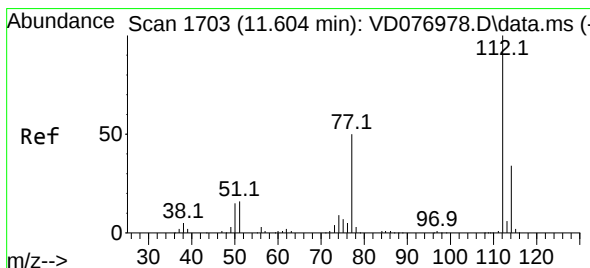
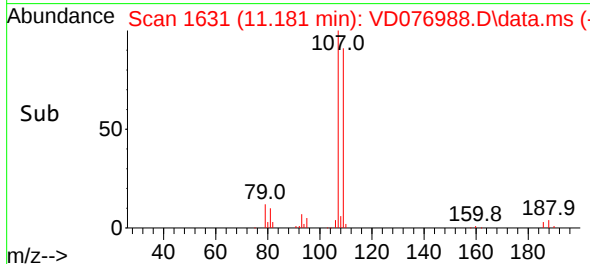
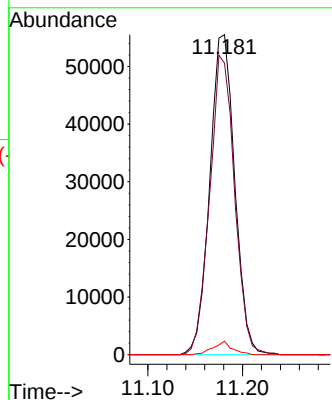
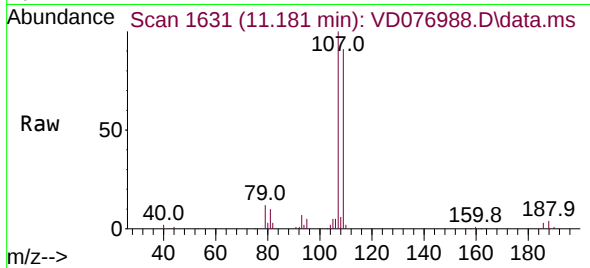




#50
1,2-Dibromoethane
Concen: 24.750 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

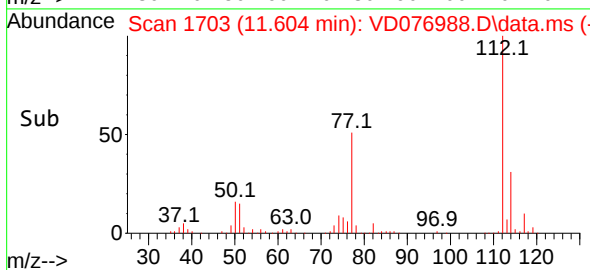
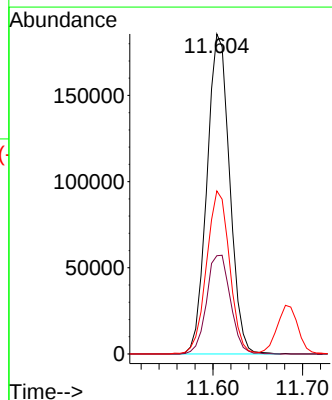
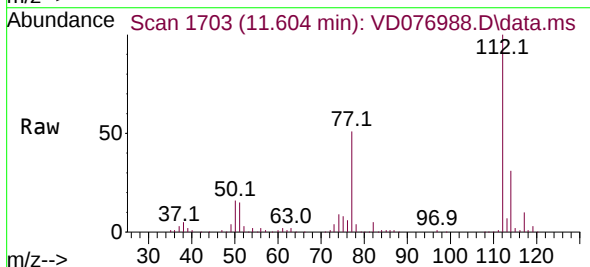
Instrument :
MSVOA_D
ClientSampleId :
VSTD025180

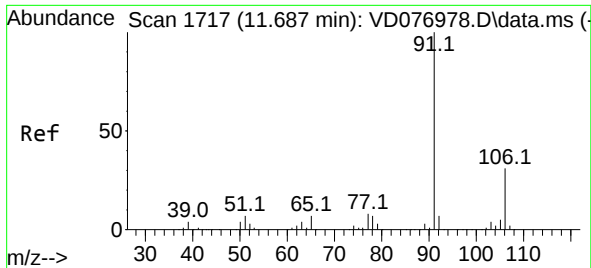
Tgt Ion:	107	Resp:	101517
Ion	Ratio	Lower	Upper
107	100		
109	91.1	58.8	109.2
188	4.3	2.9	4.3



#51
Chlorobenzene
Concen: 24.690 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

Tgt Ion:	112	Resp:	325841
Ion	Ratio	Lower	Upper
112	100		
114	30.7	21.5	39.9
77	50.9	43.4	65.2

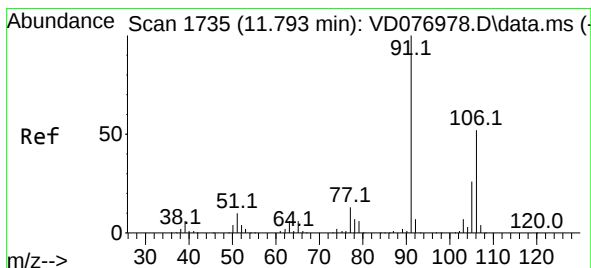
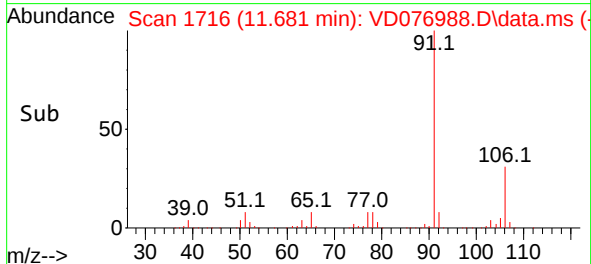
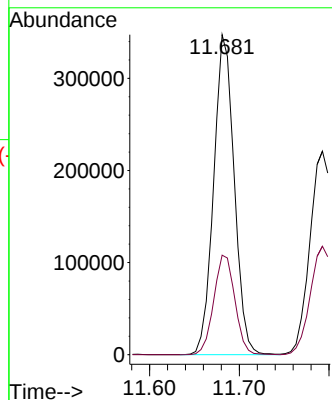
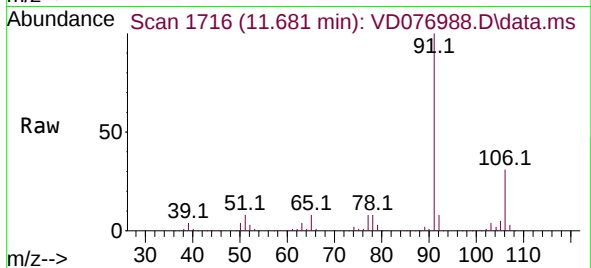




#52
Ethylbenzene
Concen: 25.618 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

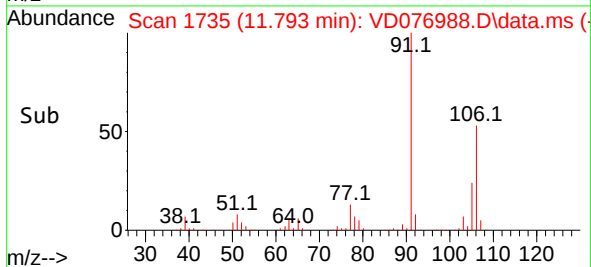
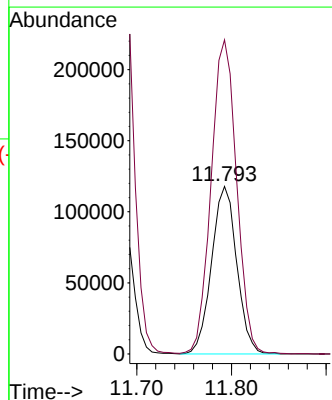
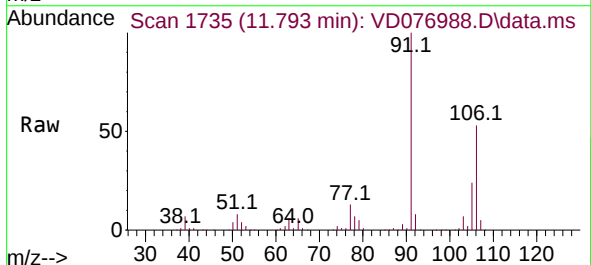
Instrument :
MSVOA_D
ClientSampleId :
VSTD025180

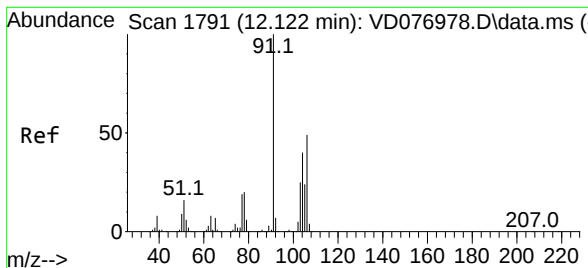
Tgt Ion: 91 Resp: 552964
Ion Ratio Lower Upper
91 100
106 31.1 22.4 41.6



#53
m,p-Xylene
Concen: 26.118 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

Tgt Ion: 106 Resp: 217521
Ion Ratio Lower Upper
106 100
91 187.4 141.5 262.9

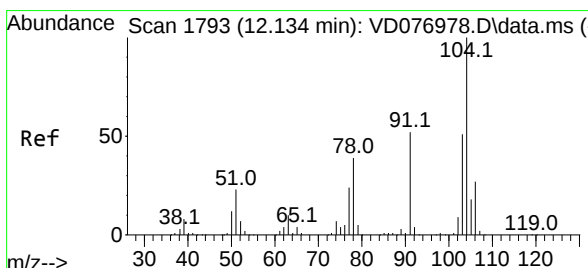
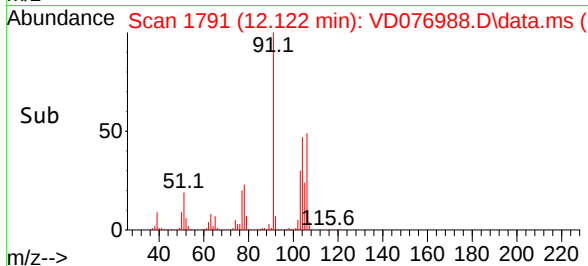
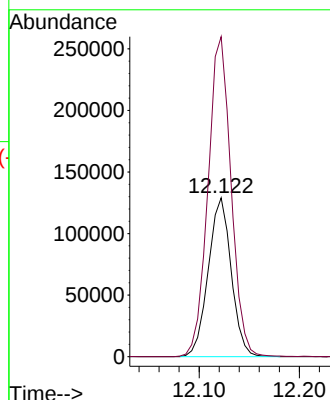
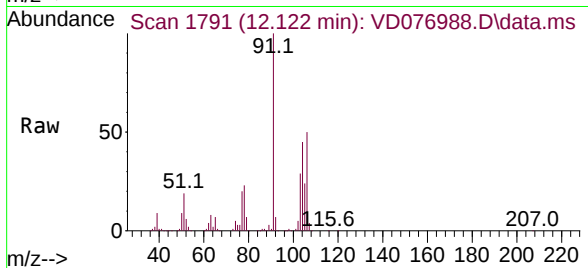




#54
o-Xylene
Concen: 25.654 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

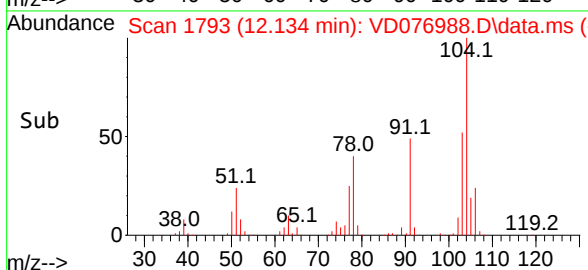
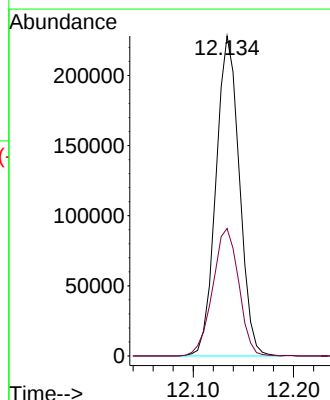
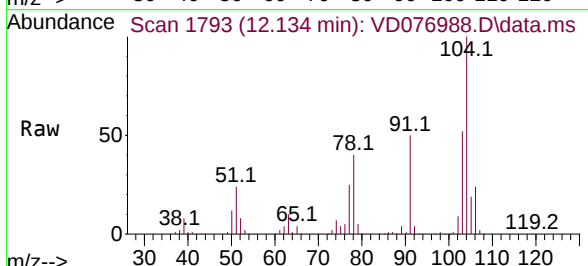
Instrument :
MSVOA_D
ClientSampleId :
VSTD025180

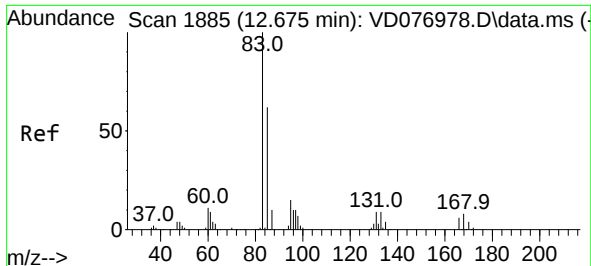
Tgt Ion:106 Resp: 205499
Ion Ratio Lower Upper
106 100
91 201.5 142.2 264.2



#55
Styrene
Concen: 25.573 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

Tgt Ion:104 Resp: 370379
Ion Ratio Lower Upper
104 100
78 39.9 31.3 58.1





#57

1,1,2,2-Tetrachloroethane

Concen: 24.635 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD076988.D

Acq: 11 Aug 2023 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTD025180

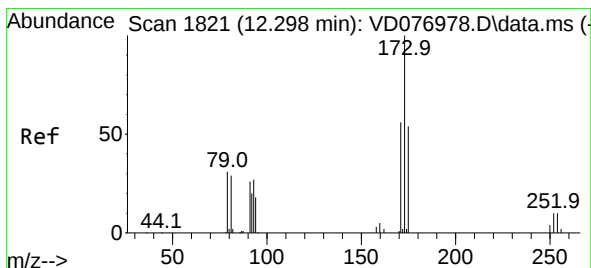
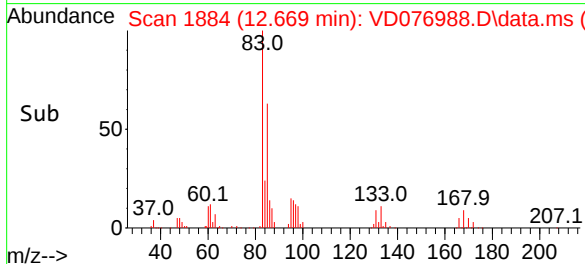
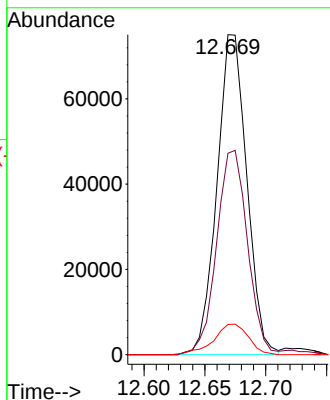
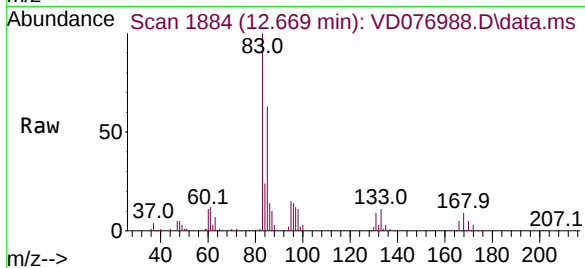
Tgt Ion: 83 Resp: 128140

Ion Ratio Lower Upper

83 100

85 62.9 46.3 86.1

131 9.5 7.0 10.4



#59

Bromoform

Concen: 25.524 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. -0.000 min

Lab File: VD076988.D

Acq: 11 Aug 2023 15:12

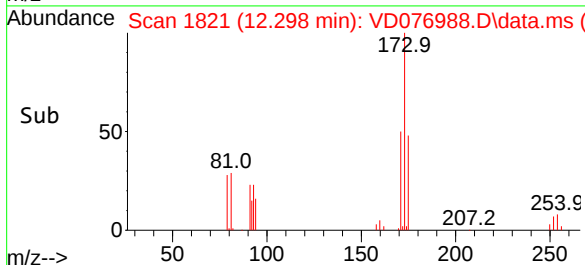
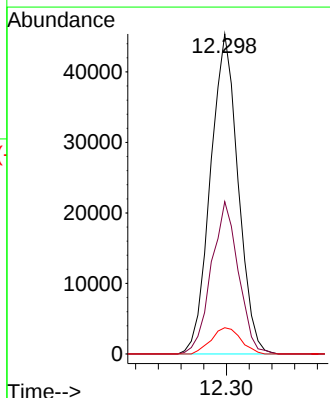
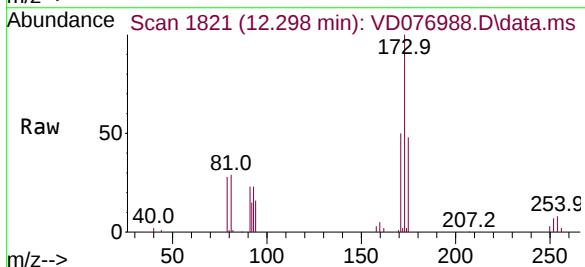
Tgt Ion:173 Resp: 76627

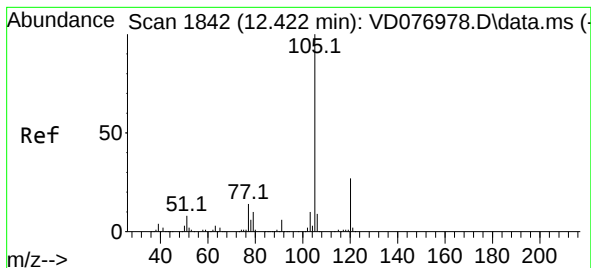
Ion Ratio Lower Upper

173 100

175 46.7 39.0 58.4

254 8.8 5.3 7.9#





#60

Isopropylbenzene

Concen: 25.620 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD076988.D

Acq: 11 Aug 2023 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTD025180

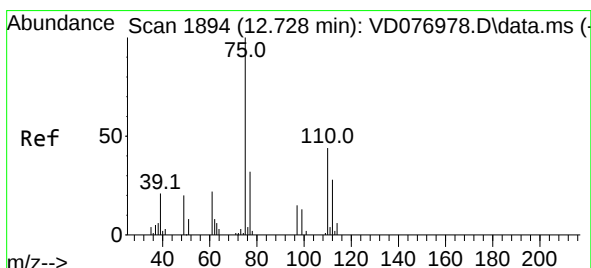
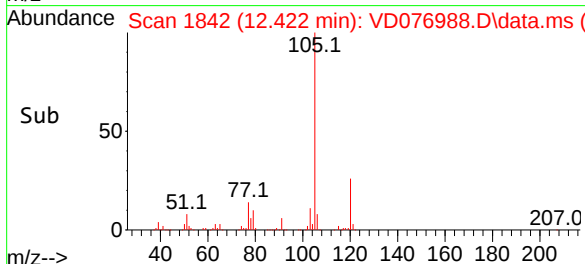
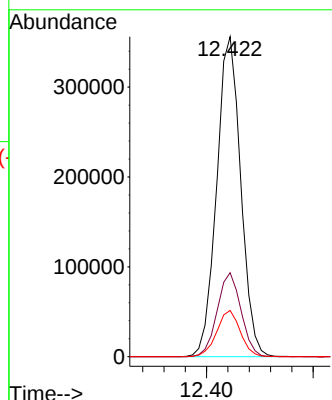
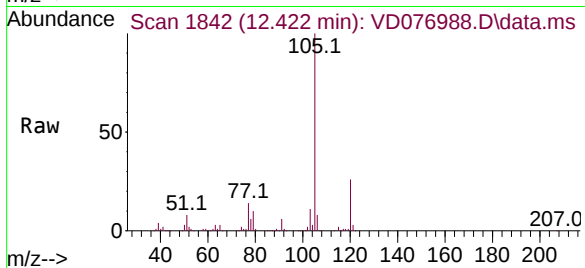
Tgt Ion:105 Resp: 557789

Ion Ratio Lower Upper

105 100

120 26.0 21.3 31.9

77 14.2 12.2 18.4



#61

1,2,3-Trichloropropane

Concen: 24.502 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VD076988.D

Acq: 11 Aug 2023 15:12

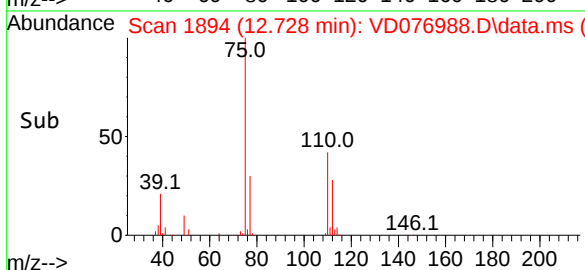
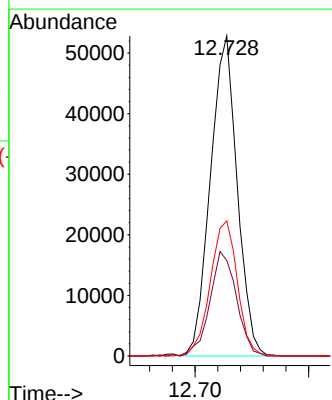
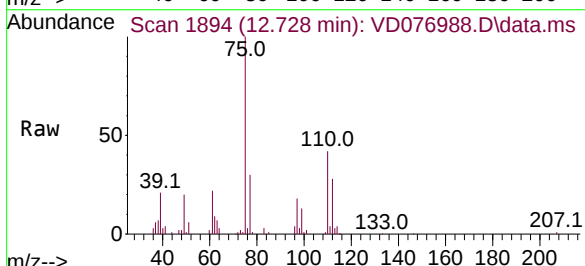
Tgt Ion: 75 Resp: 86568

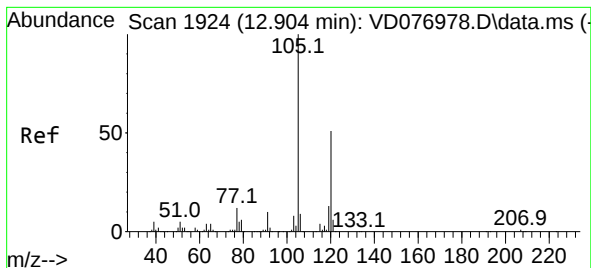
Ion Ratio Lower Upper

75 100

77 32.3 27.2 40.8

110 42.8 31.8 47.6

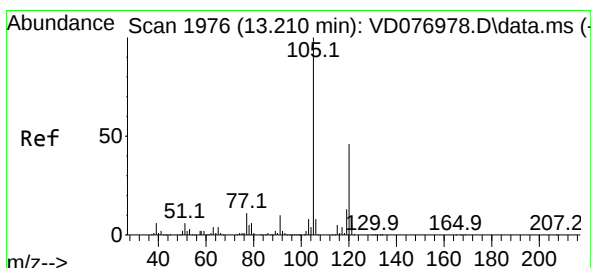
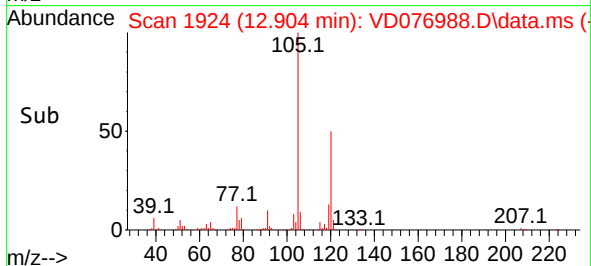
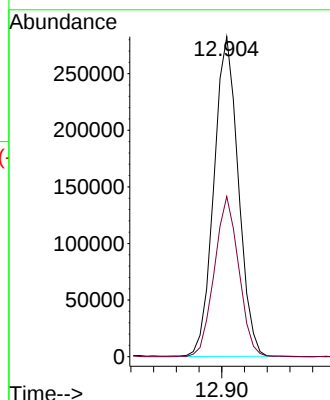
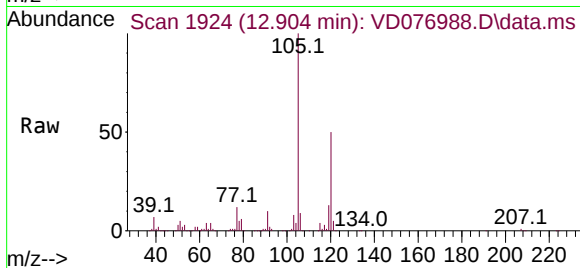




#62
1,3,5-Trimethylbenzene
Concen: 25.463 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

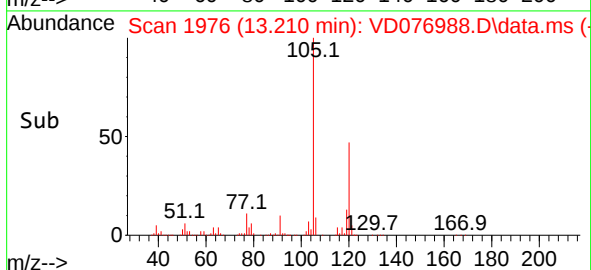
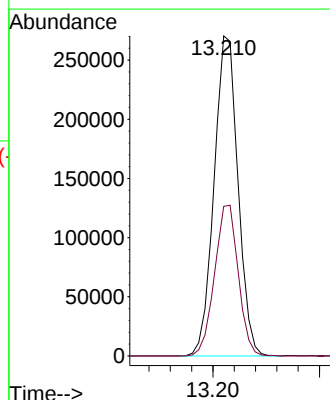
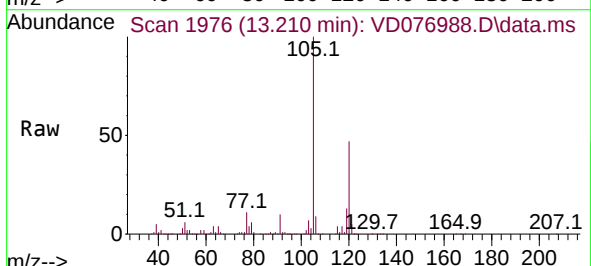
Instrument :
MSVOA_D
ClientSampleId :
VSTD025180

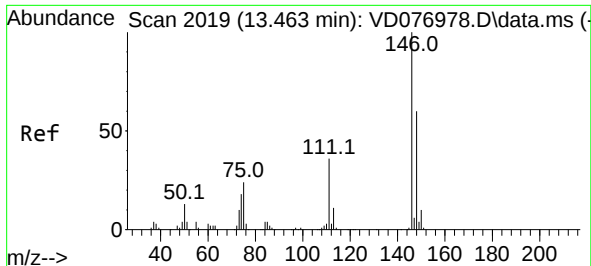
Tgt Ion:105 Resp: 422308
Ion Ratio Lower Upper
105 100
120 49.8 39.8 59.6



#63
1,2,4-Trimethylbenzene
Concen: 25.477 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

Tgt Ion:105 Resp: 420508
Ion Ratio Lower Upper
105 100
120 46.7 37.5 56.3

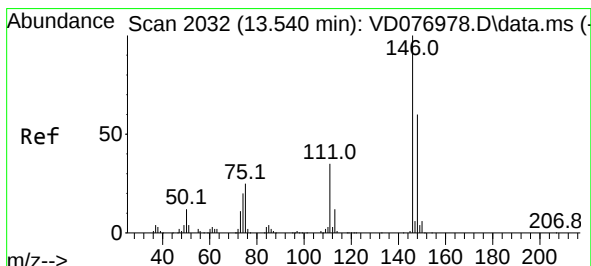
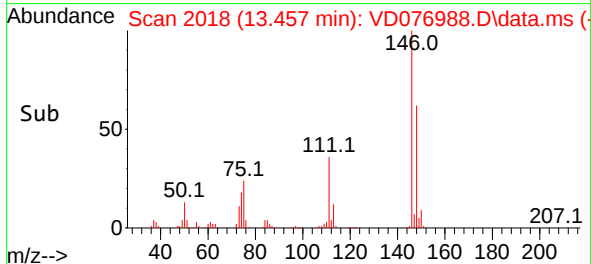
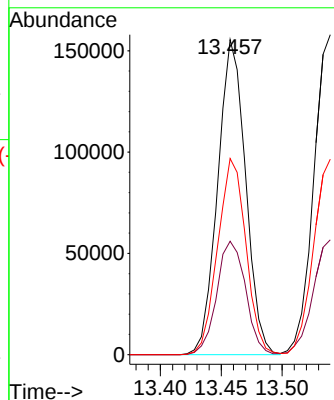
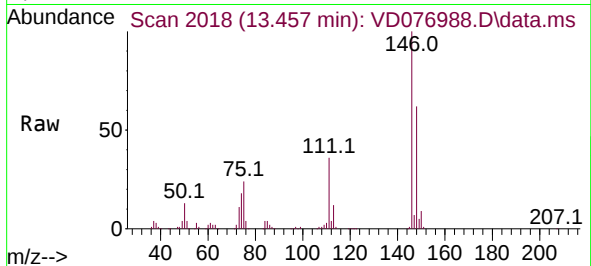




#64
1,3-Dichlorobenzene
Concen: 24.938 ug/L
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

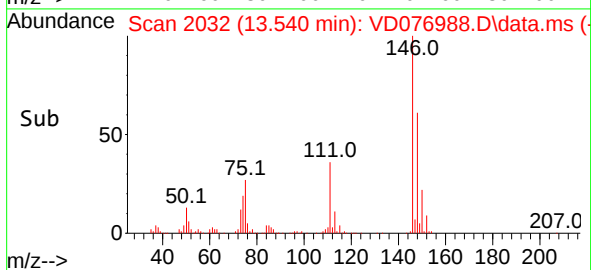
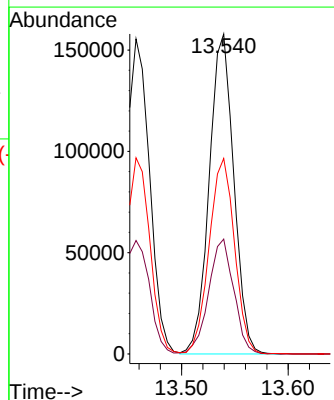
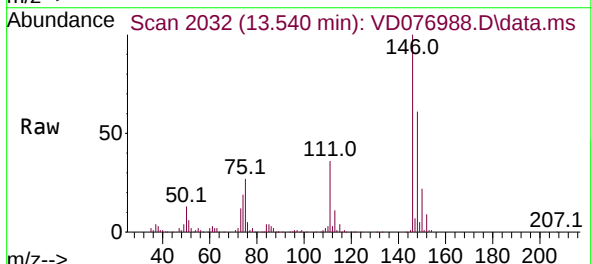
Instrument :
MSVOA_D
ClientSampleId :
VSTD025180

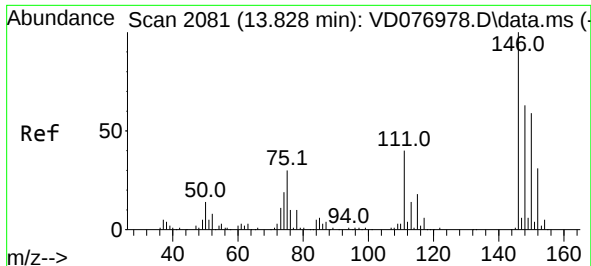
Tgt Ion:146 Resp: 247788
Ion Ratio Lower Upper
146 100
111 36.0 25.6 47.4
148 62.2 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 24.630 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

Tgt Ion:146 Resp: 252967
Ion Ratio Lower Upper
146 100
111 35.9 25.7 47.7
148 61.1 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 24.044 ug/L

RT: 13.834 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VD076988.D

Acq: 11 Aug 2023 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTD025180

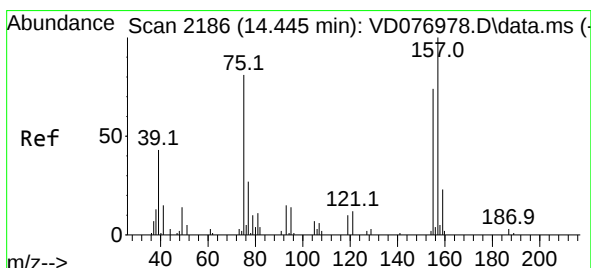
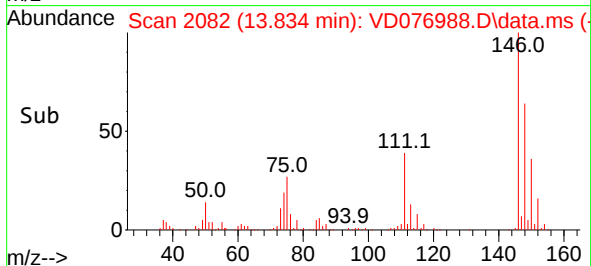
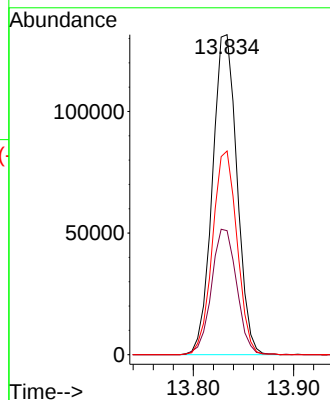
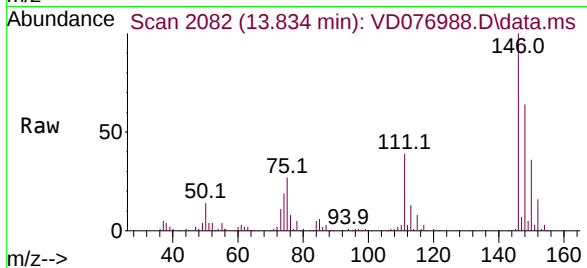
Tgt Ion:146 Resp: 223959

Ion Ratio Lower Upper

146 100

111 38.7 31.3 46.9

148 63.7 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 23.049 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.006 min

Lab File: VD076988.D

Acq: 11 Aug 2023 15:12

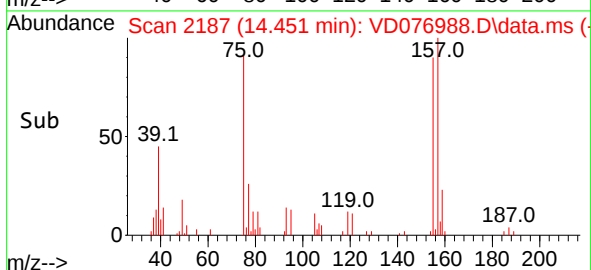
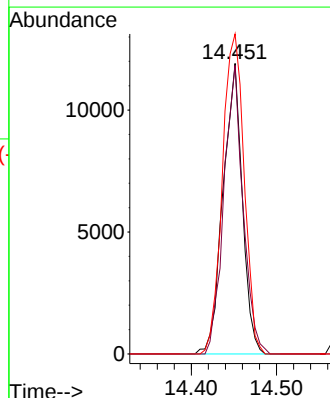
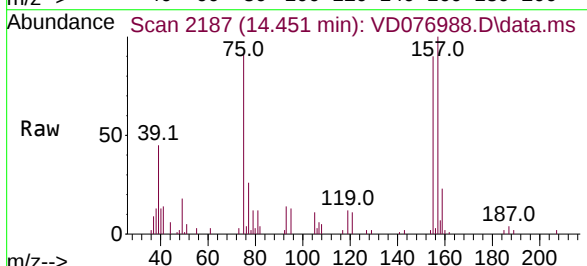
Tgt Ion: 75 Resp: 18659

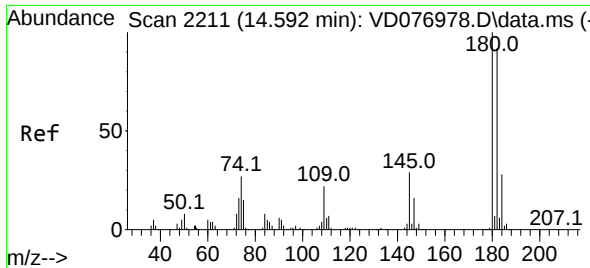
Ion Ratio Lower Upper

75 100

155 99.4 76.2 114.4

157 110.1 89.4 134.2

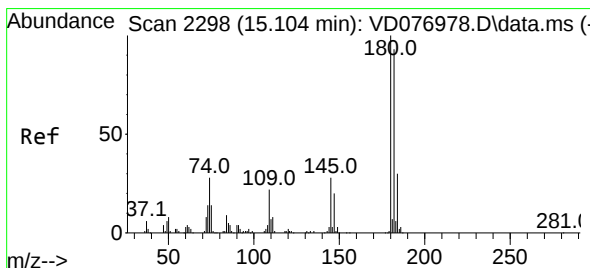
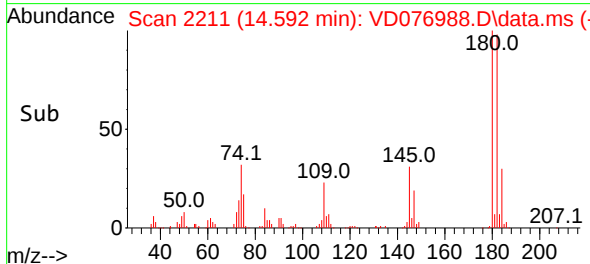
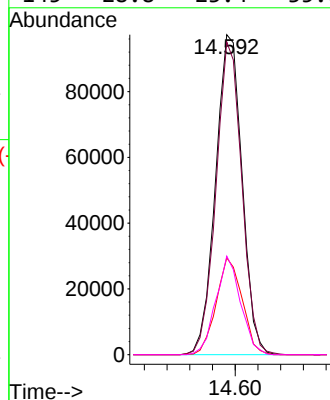
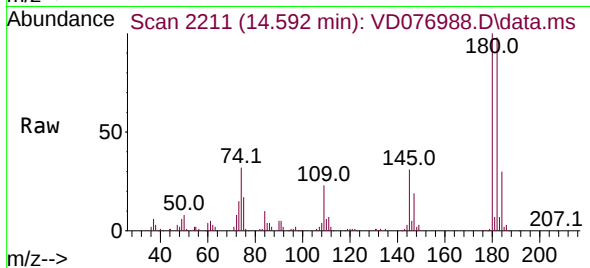




#69
1,3,5-Trichlorobenzene
Concen: 25.314 ug/L
RT: 14.592 min Scan# 211
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

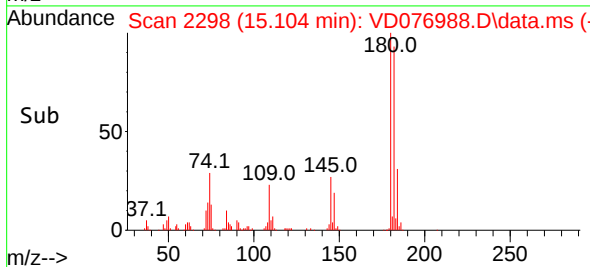
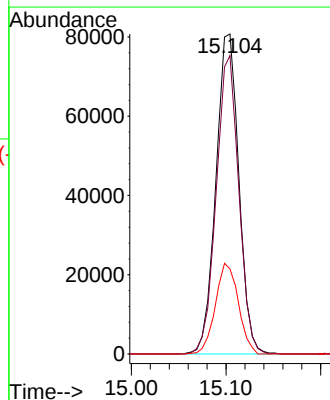
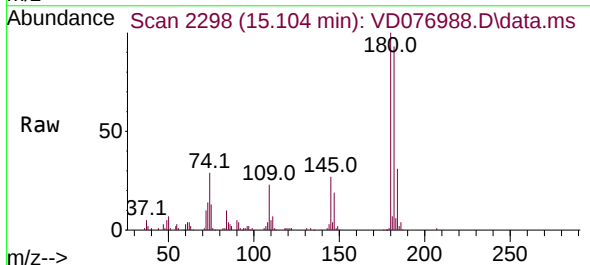
Instrument :
MSVOA_D
ClientSampleId :
VSTD025180

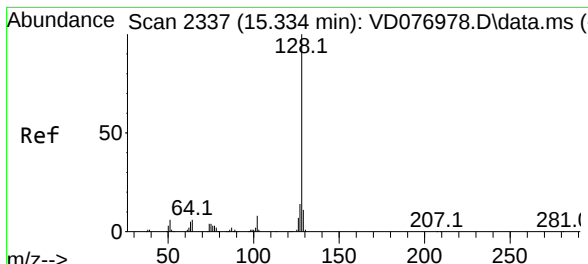
Tgt Ion:	180	Resp:	157398
Ion Ratio	Lower	Upper	
180	100		
182	95.1	77.1	115.7
184	29.6	25.0	37.4
145	28.8	23.4	35.0



#70
1,2,4-trichlorobenzene
Concen: 24.855 ug/L
RT: 15.104 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

Tgt Ion:	180	Resp:	135945
Ion Ratio	Lower	Upper	
180	100		
182	91.8	76.9	115.3
145	28.3	23.5	35.3

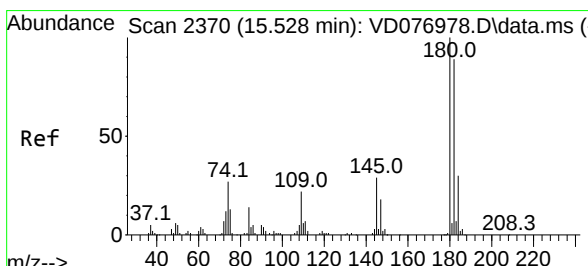
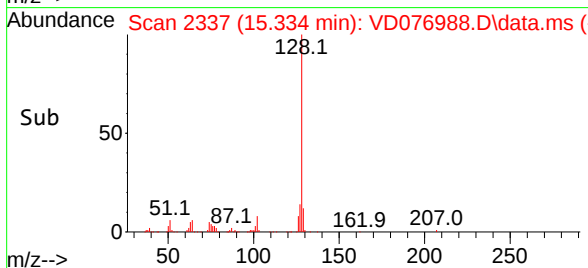
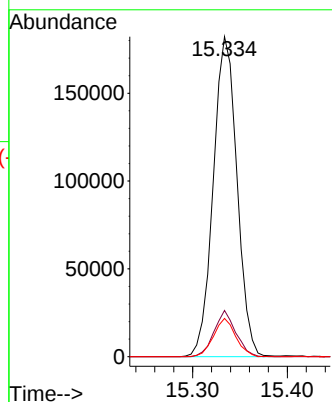
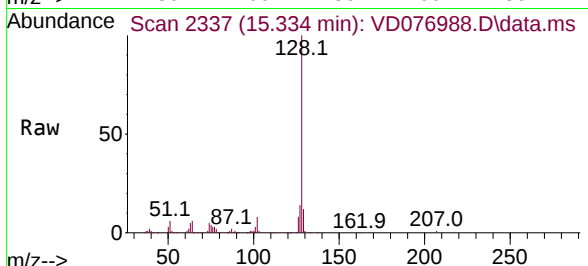




#71
Naphthalene
Concen: 24.695 ug/L
RT: 15.334 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTD025180

Tgt Ion:	128	Resp:	317599
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.8	16.2
129	11.2	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 25.330 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. -0.006 min
Lab File: VD076988.D
Acq: 11 Aug 2023 15:12

Tgt Ion:	180	Resp:	125645
Ion	Ratio	Lower	Upper
180	100		
182	95.8	74.3	111.5
145	30.8	25.0	37.6

