

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101322\
 Data File : VW024894.D
 Acq On : 13 Oct 2022 10:18
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025597

Quant Time: Oct 14 02:05:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 12 23:18:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	451060	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	417360	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	197628	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	118413	22.252	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.000%
7) Chloroethane-d5	2.885	69	69493	22.304	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.200%
11) 1,1-Dichloroethene-d2	4.025	63	272548	23.556	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.240%
21) 2-Butanone-d5	7.080	46	80917	47.990	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.980%
24) Chloroform-d	7.647	84	279009	21.931	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.720%
26) 1,2-Dichloroethane-d4	8.305	65	145835	21.902	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.600%
32) Benzene-d6	8.275	84	573686	21.920	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.680%
36) 1,2-Dichloropropane-d6	9.274	67	176008	21.927	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.720%
41) Toluene-d8	10.323	98	515757	21.956	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.840%
43) trans-1,3-Dichloroprop...	10.579	79	70698	23.222	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.880%
47) 2-Hexanone-d5	10.920	63	63191	46.954	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.900%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	140064	22.374	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.480%
66) 1,2-Dichlorobenzene-d4	13.853	152	160859	22.273	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	52530	26.030	ug/L	100
3) Chloromethane	2.215	50	115975	24.675	ug/L	99
5) Vinyl chloride	2.361	62	173976	27.131	ug/L	99
6) Bromomethane	2.782	94	81174	26.063	ug/L	95
8) Chloroethane	2.922	64	68005	25.452	ug/L	96
9) Trichlorofluoromethane	3.257	101	93098	29.351	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	160723	24.887	ug/L	97
12) 1,1-Dichloroethene	4.044	96	157796	25.822	ug/L	90
13) Acetone	4.123	43	66171	56.083	ug/L	97
14) Carbon disulfide	4.391	76	537336	26.920	ug/L	99
15) Methyl Acetate	4.665	43	74011	25.775	ug/L	100
16) Methylene chloride	4.915	84	173172	21.744	ug/L	97
17) trans-1,2-Dichloroethene	5.428	96	167866	25.236	ug/L	97
18) Methyl tert-butyl Ether	5.428	73	259709	26.273	ug/L	99
19) 1,1-Dichloroethane	6.214	63	306957	24.943	ug/L	99
20) cis-1,2-Dichloroethene	7.171	96	179895	25.023	ug/L	95
22) 2-Butanone	7.171	43	101953	51.797	ug/L	99
23) Bromochloromethane	7.519	128	73980	25.159	ug/L	96
25) Chloroform	7.677	83	302222	25.020	ug/L	99

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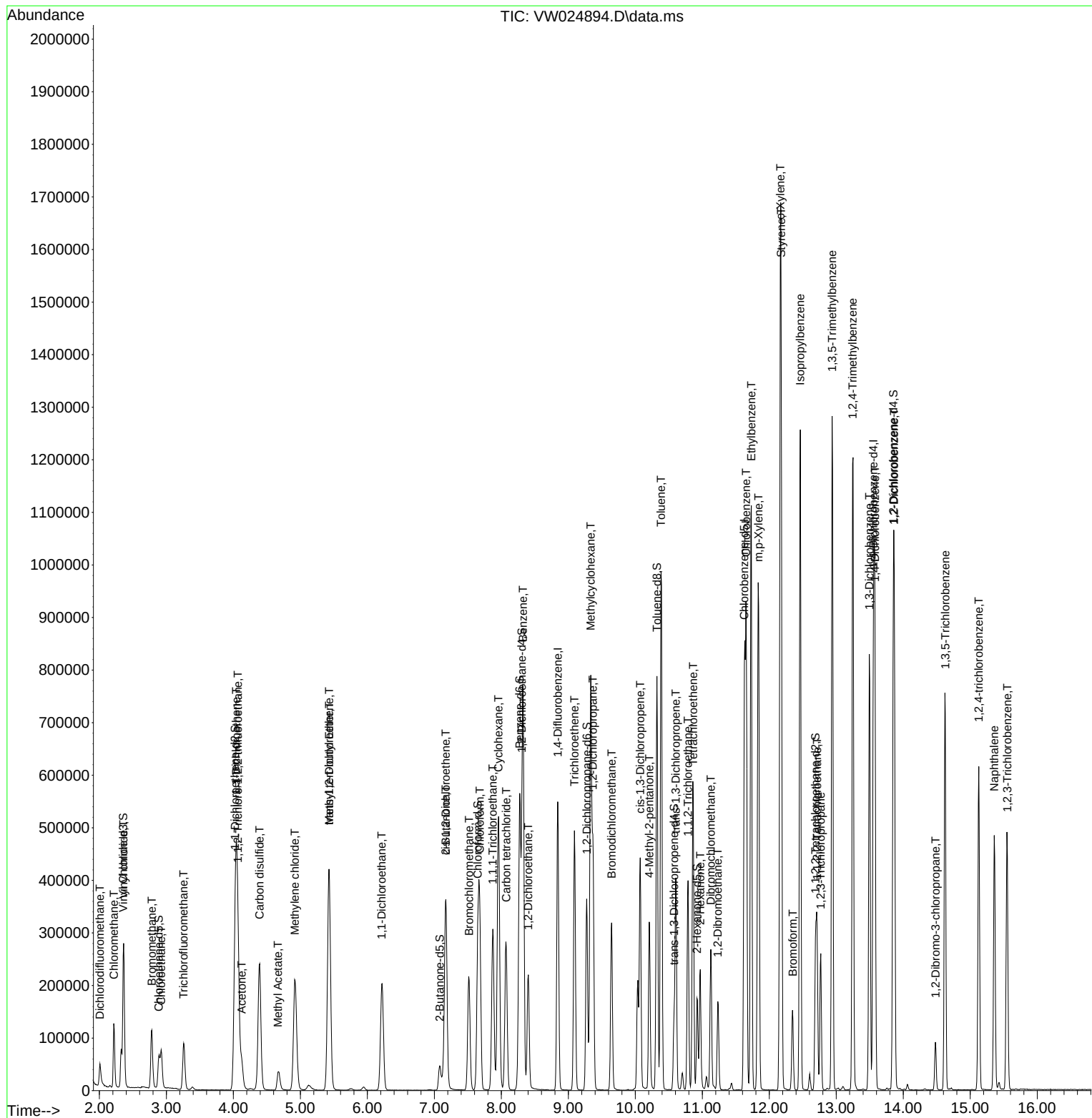
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	196867	25.204	ug/L	100
29) Cyclohexane	7.958	56	309871	25.565	ug/L	100
30) 1,1,1-Trichloroethane	7.872	97	247201	25.755	ug/L	99
31) Carbon tetrachloride	8.073	117	215506	25.572	ug/L	97
33) Benzene	8.323	78	701222	24.696	ug/L	100
34) Trichloroethene	9.092	95	175483	24.541	ug/L	99
35) Methylcyclohexane	9.335	83	322800	25.083	ug/L	98
37) 1,2-Dichloropropane	9.366	63	176352	24.922	ug/L	100
38) Bromodichloromethane	9.646	83	217892	24.922	ug/L	99
39) cis-1,3-Dichloropropene	10.073	75	264419	25.852	ug/L	100
40) 4-Methyl-2-pentanone	10.207	43	209713	50.142	ug/L	100
42) Toluene	10.384	91	732927	25.176	ug/L	98
44) trans-1,3-Dichloropropene	10.603	75	219331	25.828	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	124458	25.180	ug/L	96
46) Tetrachloroethene	10.866	164	123831	25.469	ug/L	86
48) 2-Hexanone	10.969	43	143839	50.724	ug/L	99
49) Dibromochloromethane	11.128	129	138935	25.392	ug/L	93
50) 1,2-Dibromoethane	11.231	107	117639	25.265	ug/L #	96
51) Chlorobenzene	11.652	112	453263	24.772	ug/L	97
52) Ethylbenzene	11.731	91	810481	24.862	ug/L	98
53) m,p-Xylene	11.841	106	311058	25.115	ug/L	92
54) o-Xylene	12.164	106	297730	25.247	ug/L	93
55) Styrene	12.176	104	506400	25.037	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.713	83	149707	24.826	ug/L	99
59) Bromoform	12.353	173	66525	25.156	ug/L #	98
60) Isopropylbenzene	12.463	105	805032	25.253	ug/L	100
61) 1,2,3-Trichloropropane	12.768	75	109026	25.090	ug/L	98
62) 1,3,5-Trimethylbenzene	12.938	105	694507	25.375	ug/L	100
63) 1,2,4-Trimethylbenzene	13.243	105	680204	25.776	ug/L	98
64) 1,3-Dichlorobenzene	13.493	146	326797	25.171	ug/L	97
65) 1,4-Dichlorobenzene	13.579	146	325328	24.755	ug/L	95
67) 1,2-Dichlorobenzene	13.865	146	290284	25.155	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.481	75	24974	26.441	ug/L	92
69) 1,3,5-Trichlorobenzene	14.627	180	210801	24.868	ug/L	97
70) 1,2,4-trichlorobenzene	15.127	180	178735	25.988	ug/L	97
71) Naphthalene	15.359	128	401677	26.955	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	153247	26.106	ug/L	99

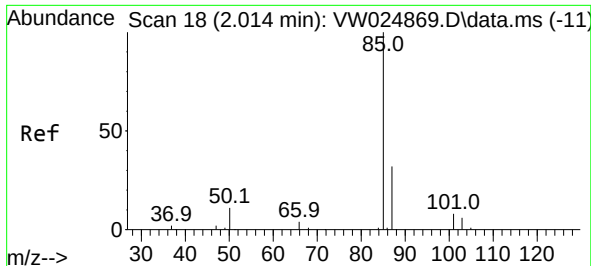
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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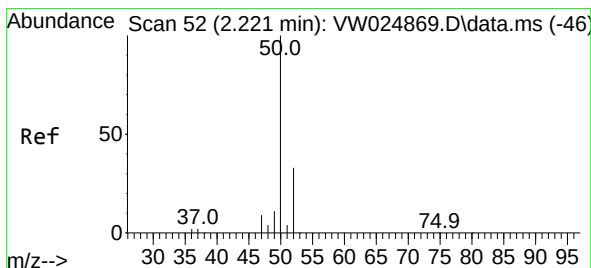
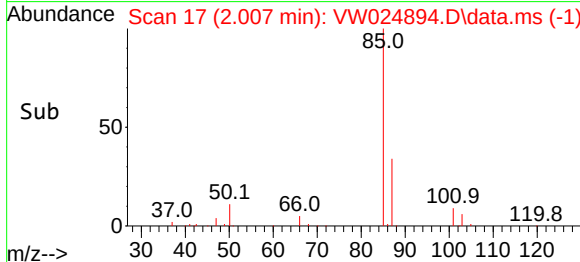
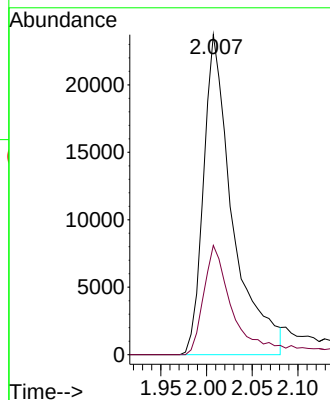
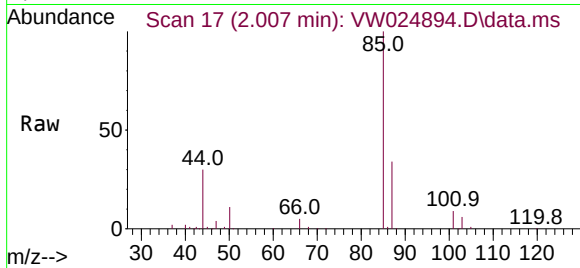




#2
 Dichlorodifluoromethane
 Concen: 26.030 ug/L
 RT: 2.007 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VW024894.D
 Acq: 13 Oct 2022 10:18

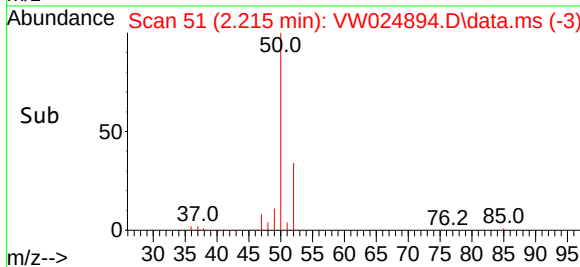
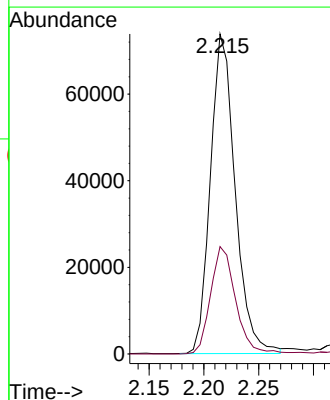
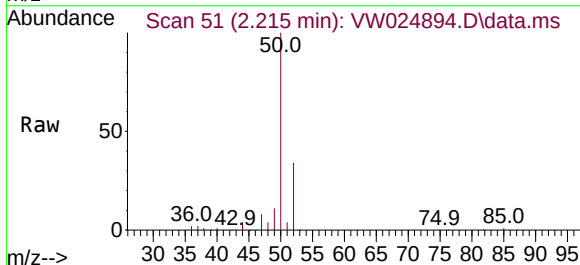
Instrument :
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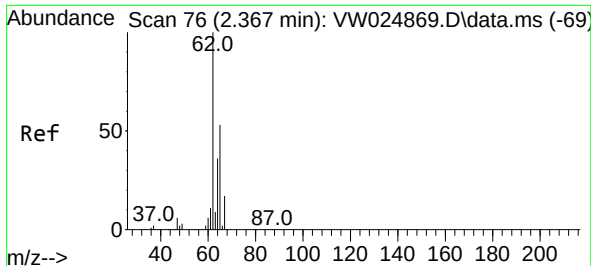
Tgt Ion: 85 Resp: 52530
 Ion Ratio Lower Upper
 85 100
 87 33.4 26.8 40.2



#3
 Chloromethane
 Concen: 24.675 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VW024894.D
 Acq: 13 Oct 2022 10:18

Tgt Ion: 50 Resp: 115975
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.1 42.9

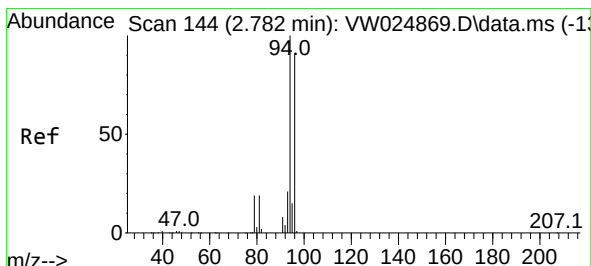
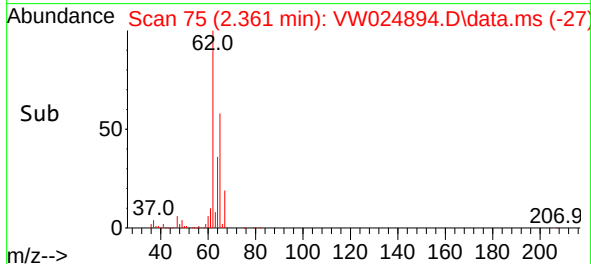
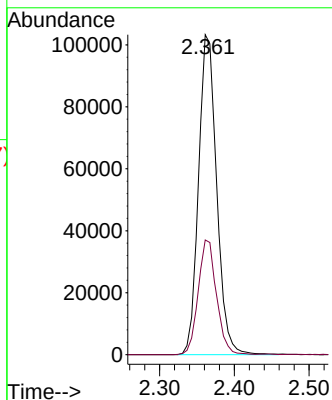
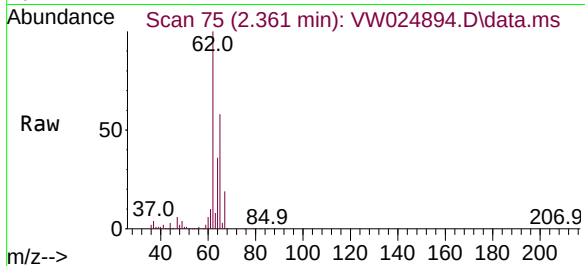




#5
 Vinyl chloride
 Concen: 27.131 ug/L
 RT: 2.361 min Scan# 76
 Delta R.T. -0.006 min
 Lab File: VW024894.D
 Acq: 13 Oct 2022 10:18

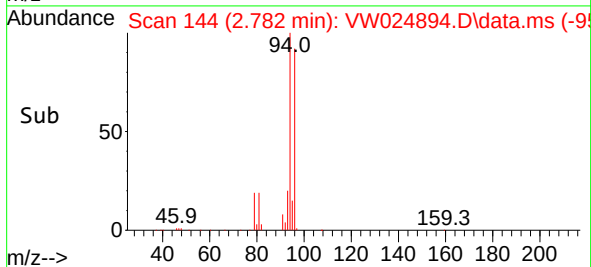
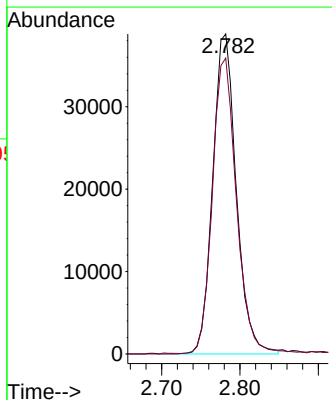
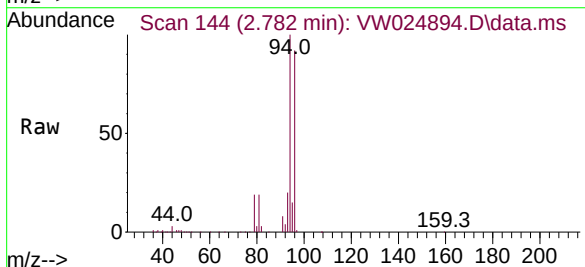
Instrument :
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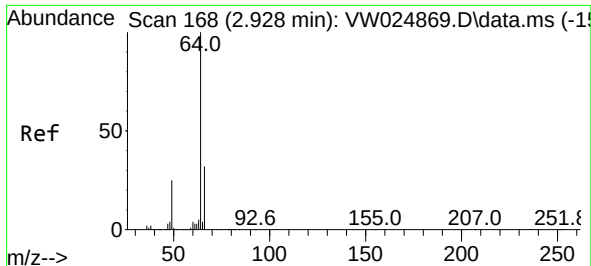
Tgt Ion: 62 Resp: 173976
 Ion Ratio Lower Upper
 62 100
 64 35.8 24.7 45.9



#6
 Bromomethane
 Concen: 26.063 ug/L
 RT: 2.782 min Scan# 144
 Delta R.T. -0.000 min
 Lab File: VW024894.D
 Acq: 13 Oct 2022 10:18

Tgt Ion: 94 Resp: 81174
 Ion Ratio Lower Upper
 94 100
 96 92.4 61.4 114.0

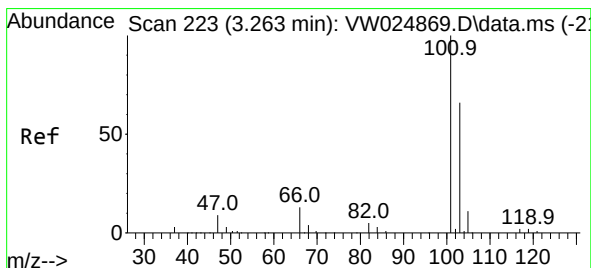
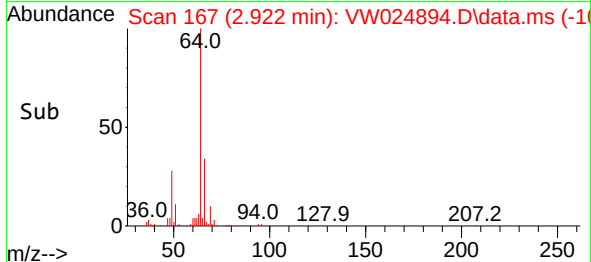
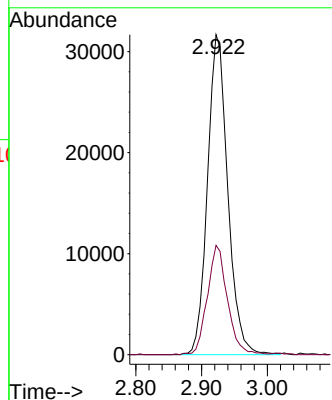
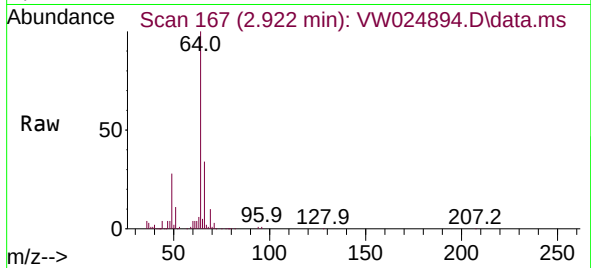




#8
Chloroethane
Concen: 25.452 ug/L
RT: 2.922 min Scan# 167
Delta R.T. -0.006 min
Lab File: VW024894.D
Acq: 13 Oct 2022 10:18

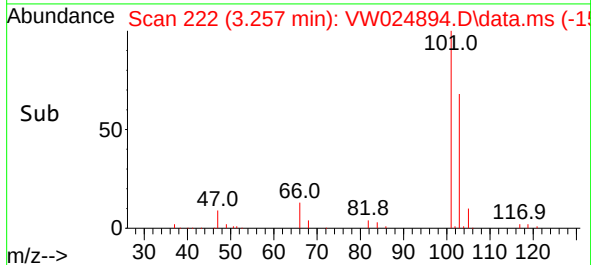
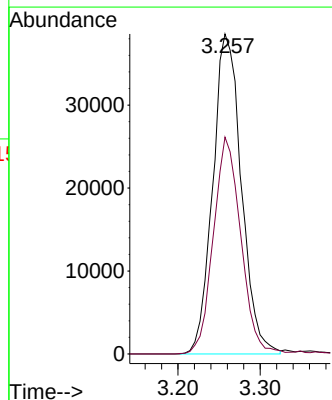
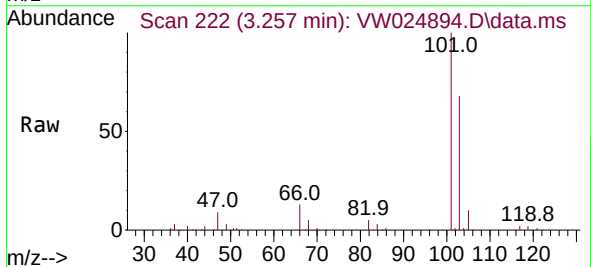
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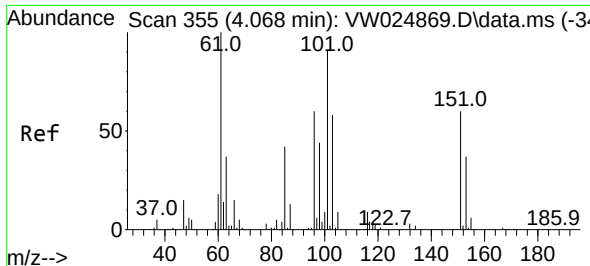
Tgt Ion: 64 Resp: 68005
Ion Ratio Lower Upper
64 100
66 34.1 22.3 41.5



#9
Trichlorofluoromethane
Concen: 29.351 ug/L
RT: 3.257 min Scan# 222
Delta R.T. -0.006 min
Lab File: VW024894.D
Acq: 13 Oct 2022 10:18

Tgt Ion: 101 Resp: 93098
Ion Ratio Lower Upper
101 100
103 64.9 52.9 79.3

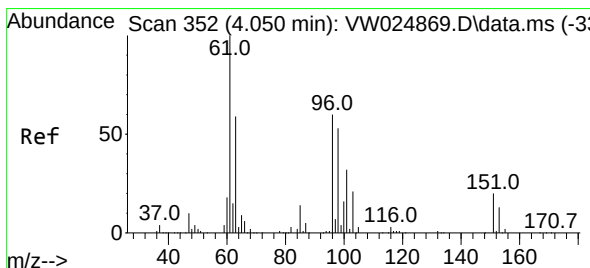
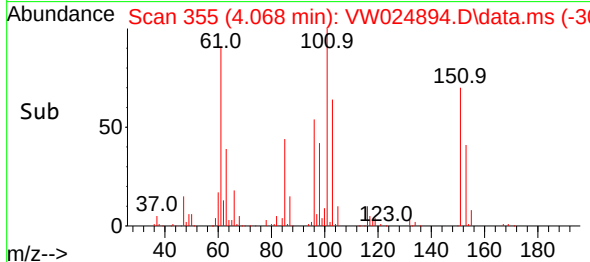
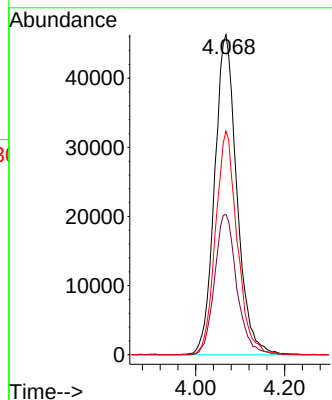
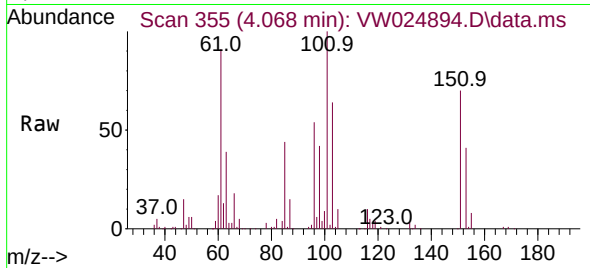




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.887 ug/L
 RT: 4.068 min Scan# 310
 Delta R.T. -0.000 min
 Lab File: VW024894.D
 Acq: 13 Oct 2022 10:18

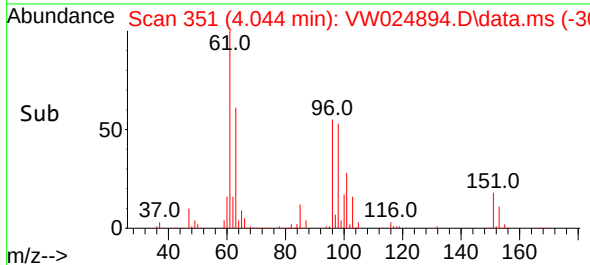
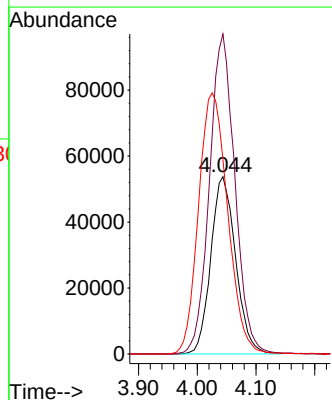
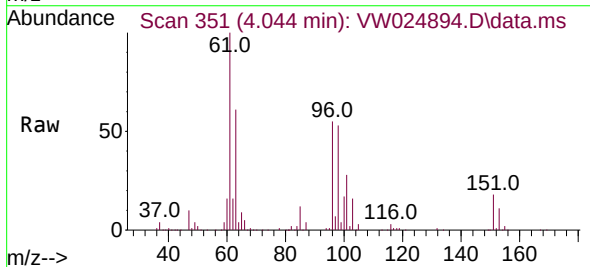
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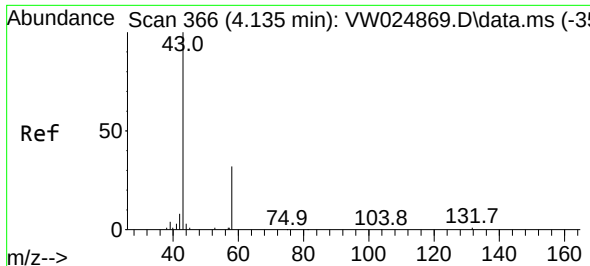
Tgt Ion:101 Resp: 160723
 Ion Ratio Lower Upper
 101 100
 85 43.7 33.6 50.4
 151 68.0 52.0 78.0



#12
 1,1-Dichloroethene
 Concen: 25.822 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. -0.006 min
 Lab File: VW024894.D
 Acq: 13 Oct 2022 10:18

Tgt Ion: 96 Resp: 157796
 Ion Ratio Lower Upper
 96 100
 61 180.6 122.4 227.2
 63 109.7 92.1 171.1

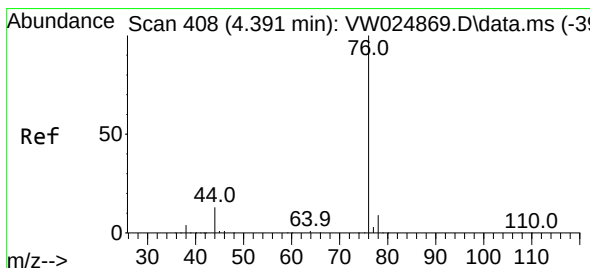
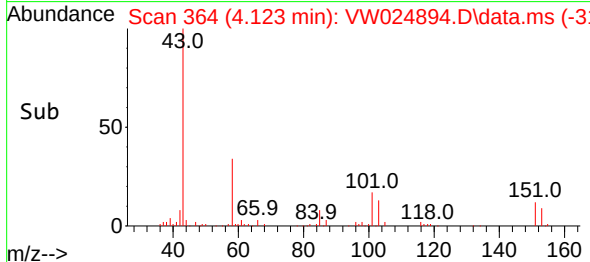
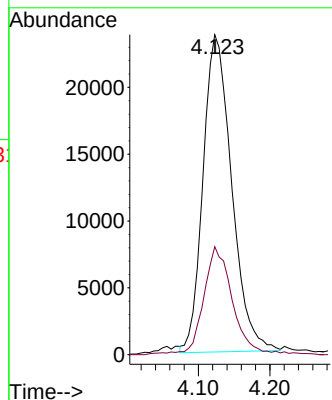
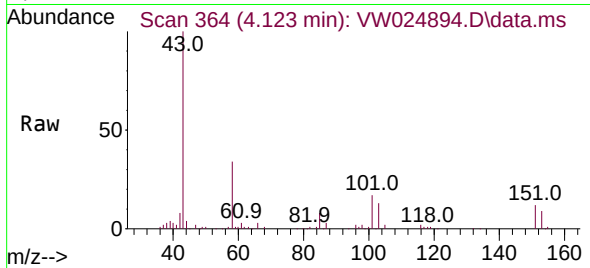




#13
Acetone
Concen: 56.083 ug/L
RT: 4.123 min Scan# 364
Delta R.T. -0.012 min
Lab File: VW024894.D
Acq: 13 Oct 2022 10:18

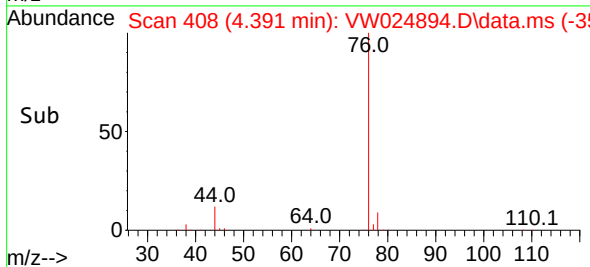
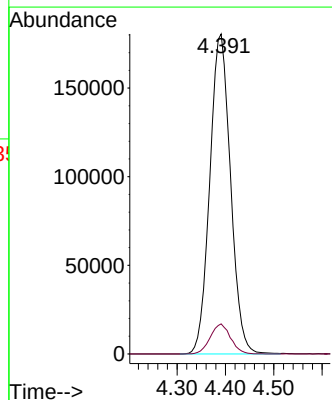
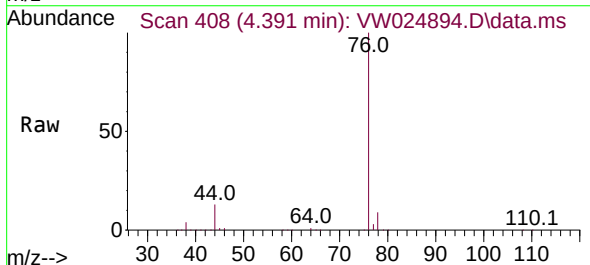
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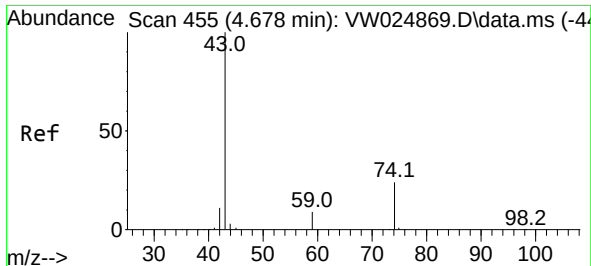
Tgt Ion: 43 Resp: 66171
Ion Ratio Lower Upper
43 100
58 33.6 0.0 64.2



#14
Carbon disulfide
Concen: 26.920 ug/L
RT: 4.391 min Scan# 408
Delta R.T. -0.000 min
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Tgt Ion: 76 Resp: 537336
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9

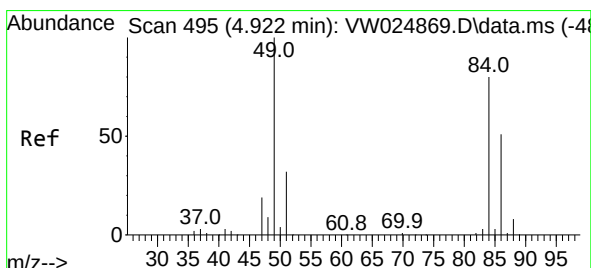
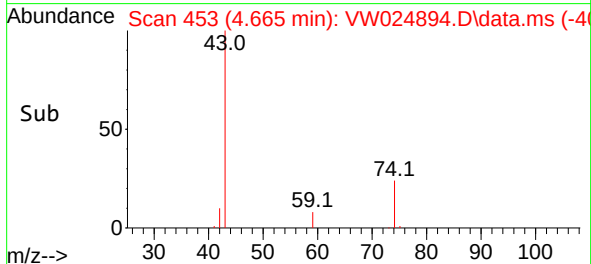
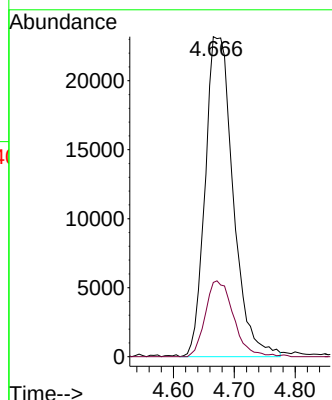
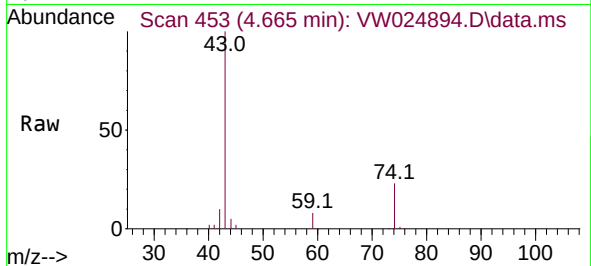




#15
Methyl Acetate
Concen: 25.775 ug/L
RT: 4.665 min Scan# 41
Delta R.T. -0.012 min
Lab File: VW024894.D
Acq: 13 Oct 2022 10:18

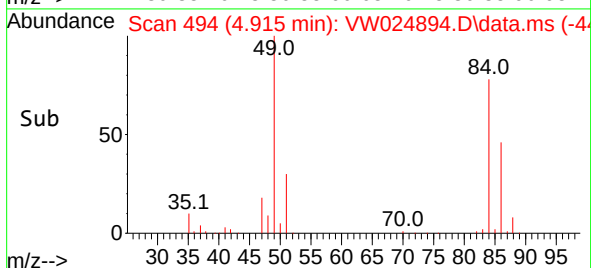
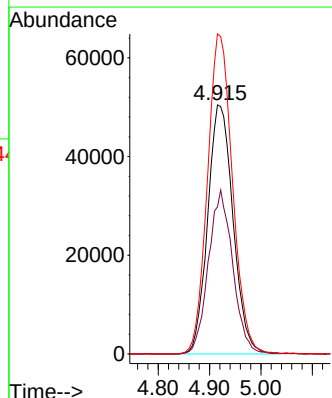
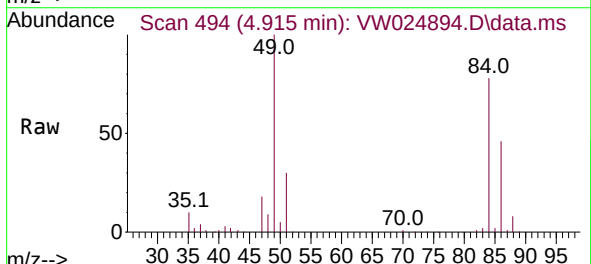
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

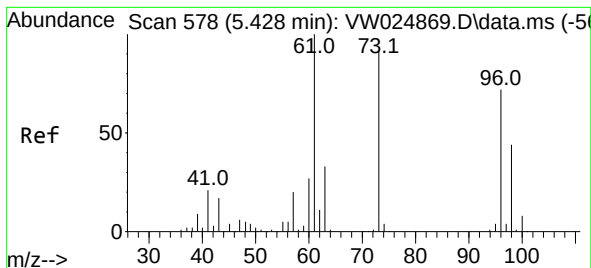
Tgt Ion: 43 Resp: 74011
Ion Ratio Lower Upper
43 100
74 23.6 19.0 28.6



#16
Methylene chloride
Concen: 21.744 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW024894.D
Acq: 13 Oct 2022 10:18

Tgt Ion: 84 Resp: 173172
Ion Ratio Lower Upper
84 100
86 59.1 45.5 84.5
49 128.4 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 25.236 ug/L

RT: 5.428 min Scan# 578

Delta R.T. -0.000 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD025597

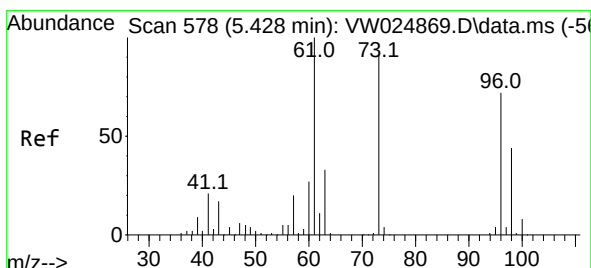
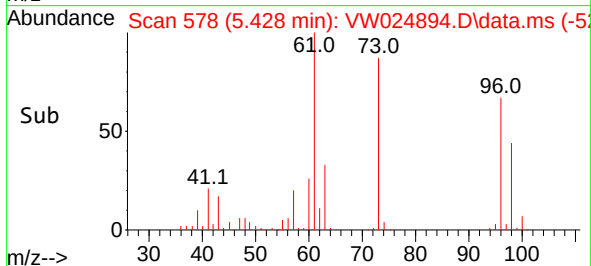
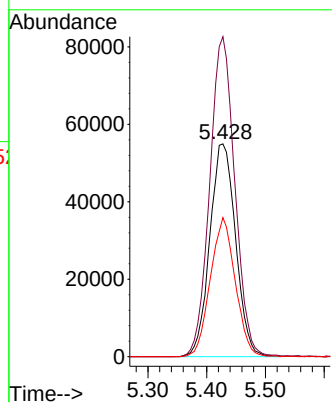
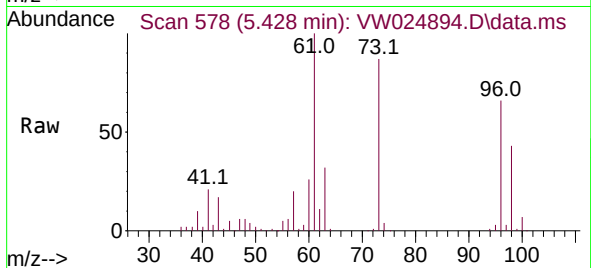
Tgt Ion: 96 Resp: 167866

Ion Ratio Lower Upper

96 100

61 150.4 102.2 189.8

98 65.4 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 26.273 ug/L

RT: 5.428 min Scan# 578

Delta R.T. -0.000 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

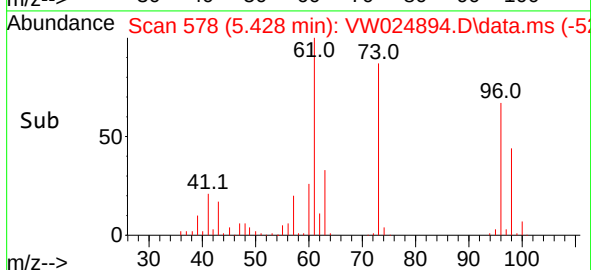
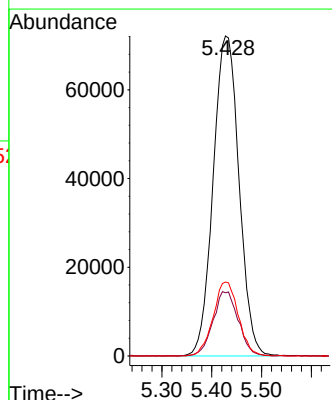
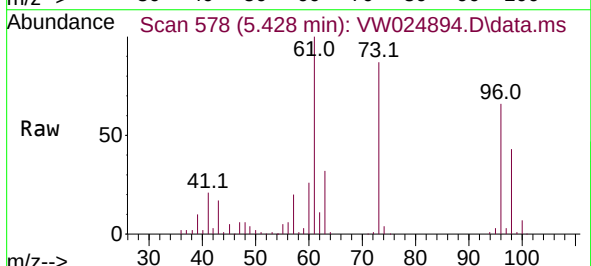
Tgt Ion: 73 Resp: 259709

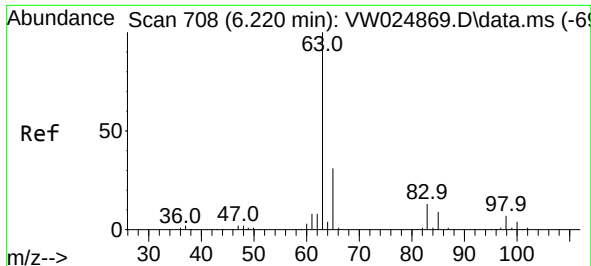
Ion Ratio Lower Upper

73 100

43 19.6 15.8 23.6

57 22.5 18.2 27.4





#19

1,1-Dichloroethane

Concen: 24.943 ug/L

RT: 6.214 min Scan# 708

Delta R.T. -0.006 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD025597

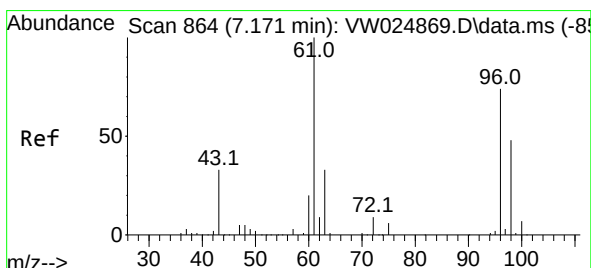
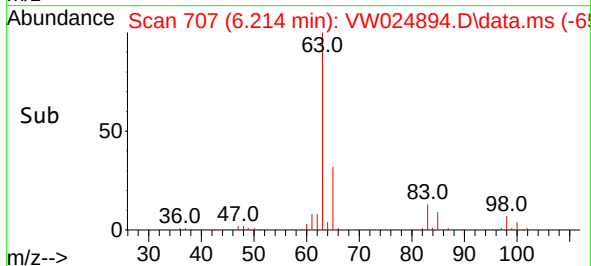
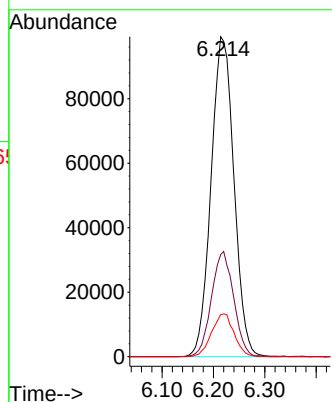
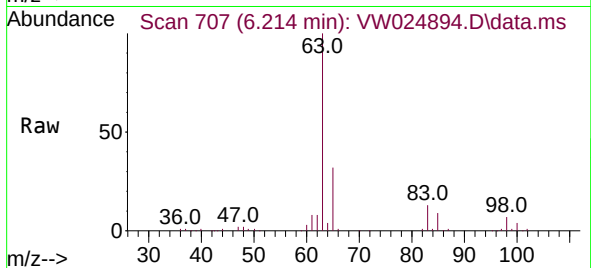
Tgt Ion: 63 Resp: 306957

Ion Ratio Lower Upper

63 100

65 31.9 22.4 41.6

83 13.1 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 25.023 ug/L

RT: 7.171 min Scan# 864

Delta R.T. -0.000 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

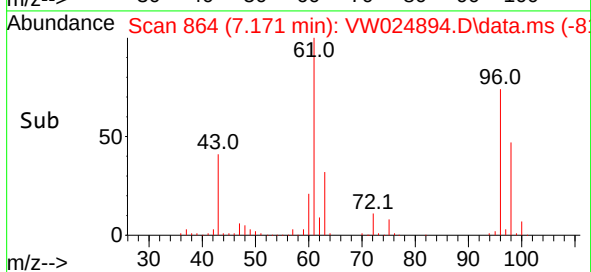
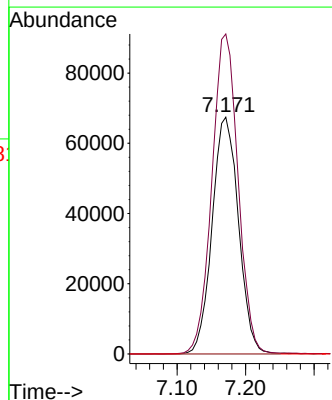
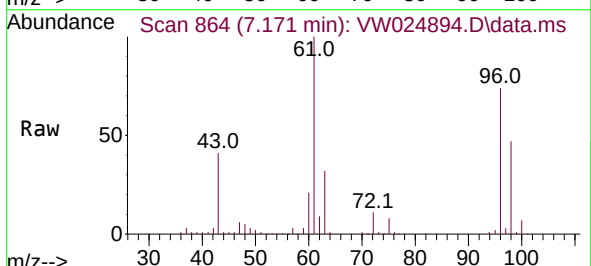
Tgt Ion: 96 Resp: 179895

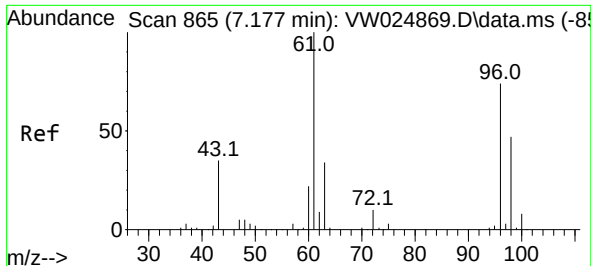
Ion Ratio Lower Upper

96 100

61 135.1 90.9 168.7

68 0.0 0.0 0.0

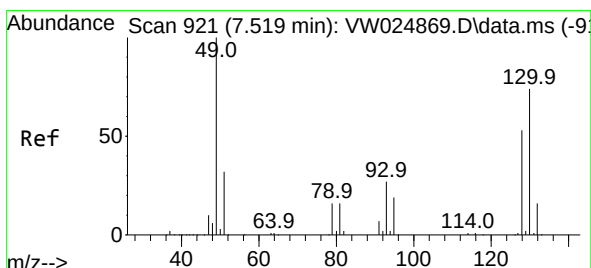
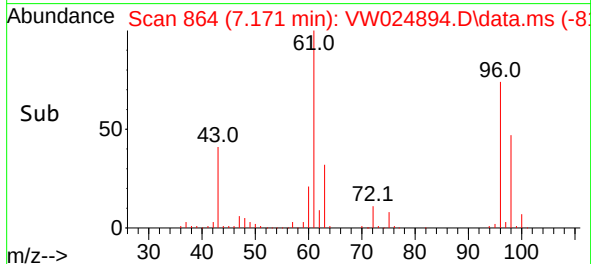
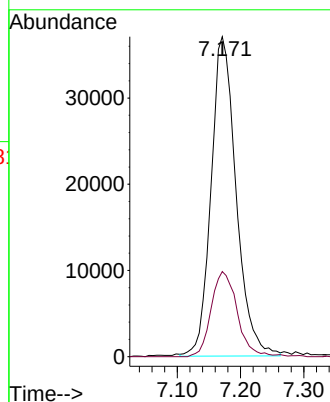
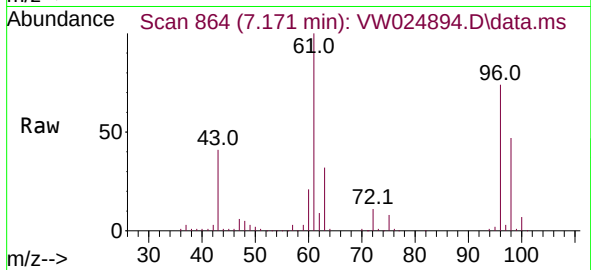




#22
2-Butanone
Concen: 51.797 ug/L
RT: 7.171 min Scan# 865
Delta R.T. -0.006 min
Lab File: VW024894.D
Acq: 13 Oct 2022 10:18

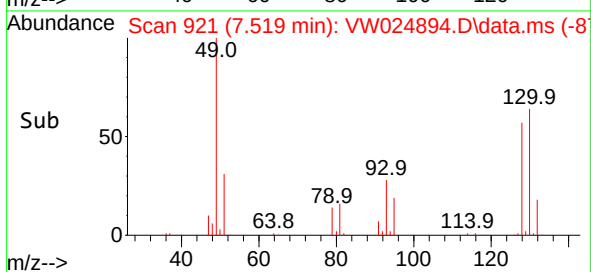
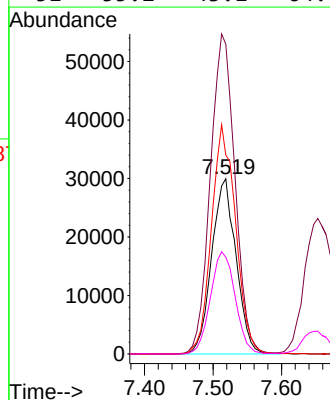
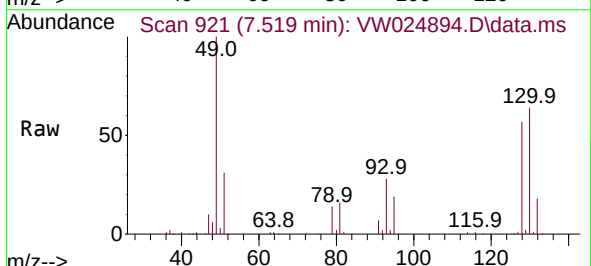
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

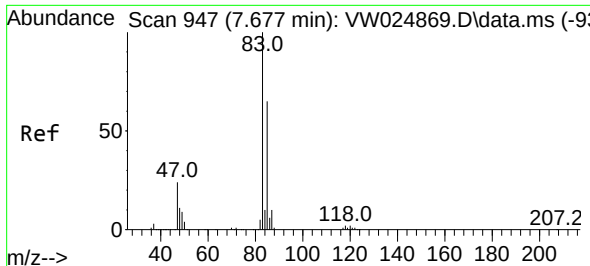
Tgt Ion: 43 Resp: 101953
Ion Ratio Lower Upper
43 100
72 27.5 14.1 42.3



#23
Bromochloromethane
Concen: 25.159 ug/L
RT: 7.519 min Scan# 921
Delta R.T. -0.000 min
Lab File: VW024894.D
Acq: 13 Oct 2022 10:18

Tgt Ion: 128 Resp: 73980
Ion Ratio Lower Upper
128 100
49 176.7 122.7 227.9
130 113.4 86.0 159.8
51 55.2 43.1 64.7





#25

Chloroform

Concen: 25.020 ug/L

RT: 7.677 min Scan# 94

Delta R.T. -0.000 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

Instrument :

MSVOA_W

ClientSampleId :

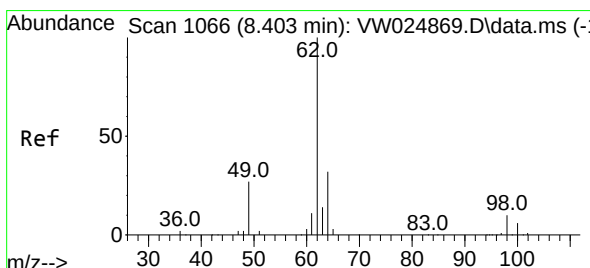
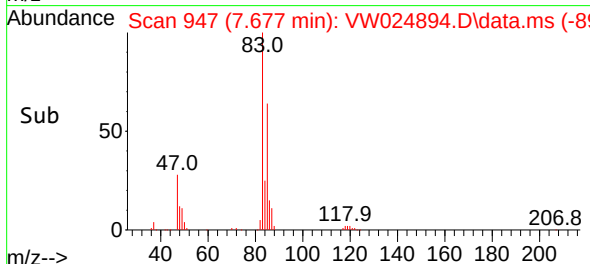
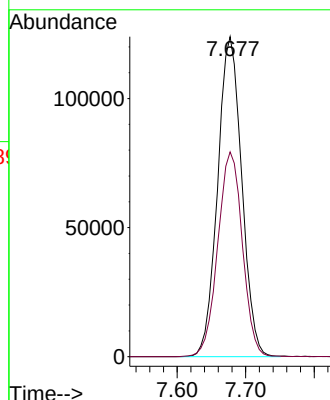
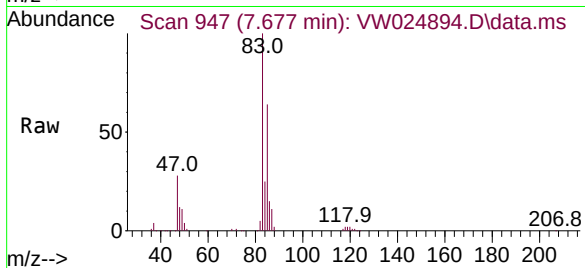
VSTD025597

Tgt Ion: 83 Resp: 302222

Ion Ratio Lower Upper

83 100

85 64.0 45.3 84.1



#27

1,2-Dichloroethane

Concen: 25.204 ug/L

RT: 8.403 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VW024894.D

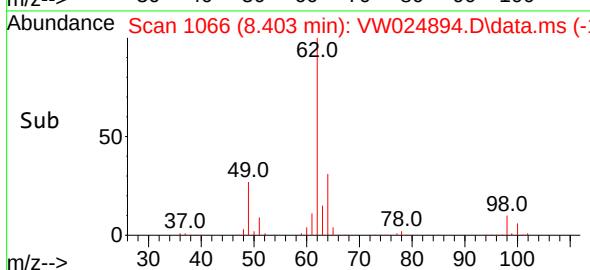
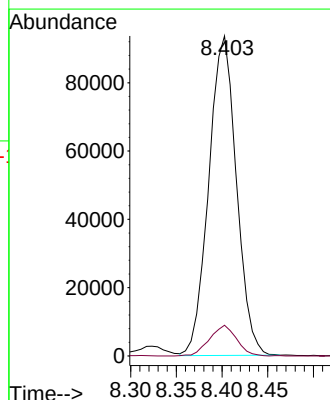
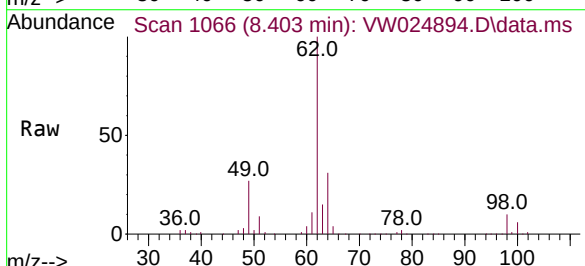
Acq: 13 Oct 2022 10:18

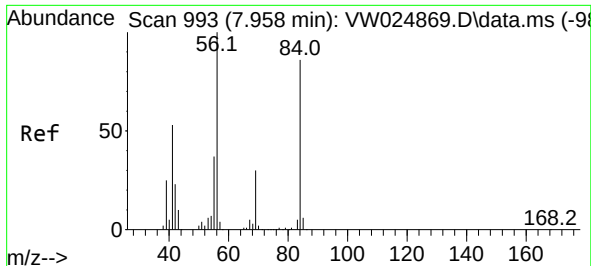
Tgt Ion: 62 Resp: 196867

Ion Ratio Lower Upper

62 100

98 9.6 7.8 11.6





#29

Cyclohexane

Concen: 25.565 ug/L

RT: 7.958 min Scan# 993

Delta R.T. -0.000 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD025597

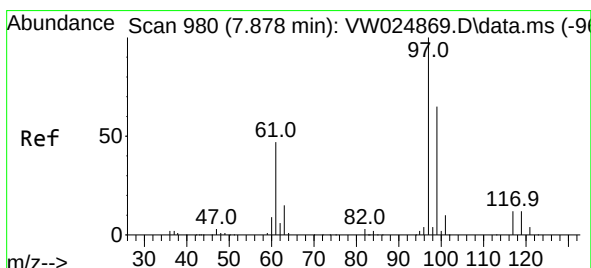
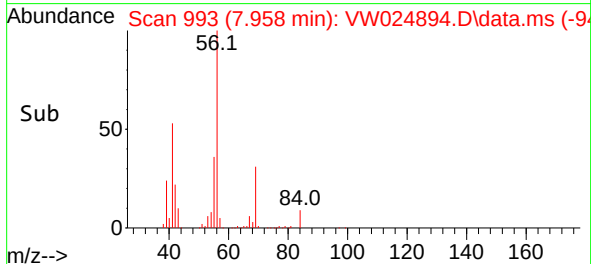
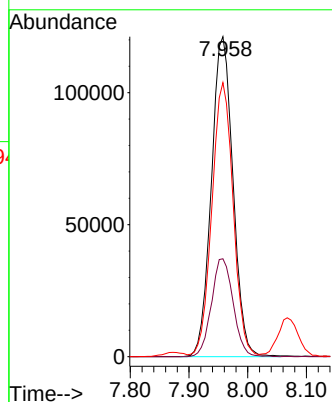
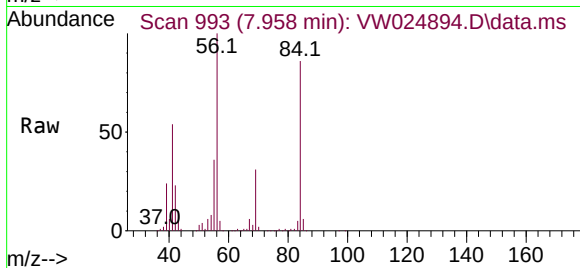
Tgt Ion: 56 Resp: 309871

Ion Ratio Lower Upper

56 100

69 30.6 24.2 36.2

84 84.3 67.7 101.5



#30

1,1,1-Trichloroethane

Concen: 25.755 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.006 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

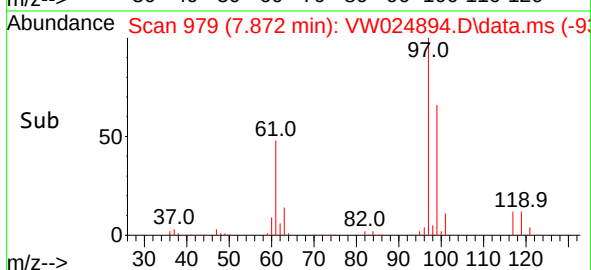
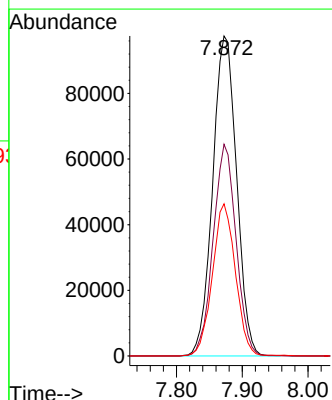
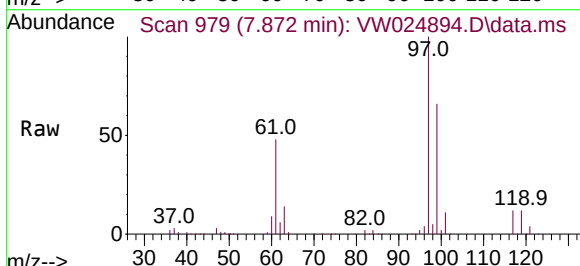
Tgt Ion: 97 Resp: 247201

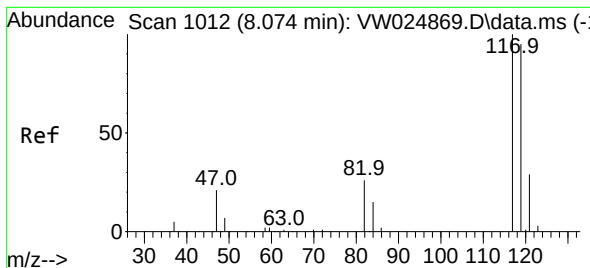
Ion Ratio Lower Upper

97 100

99 63.4 51.2 76.8

61 45.7 37.3 55.9

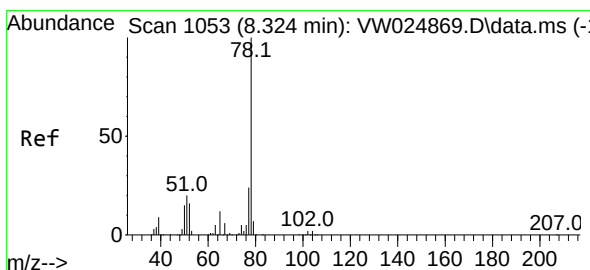
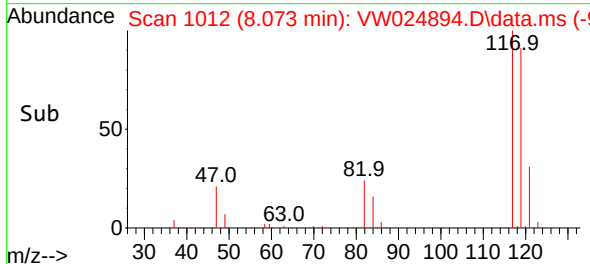
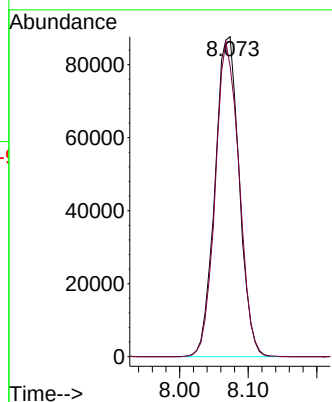
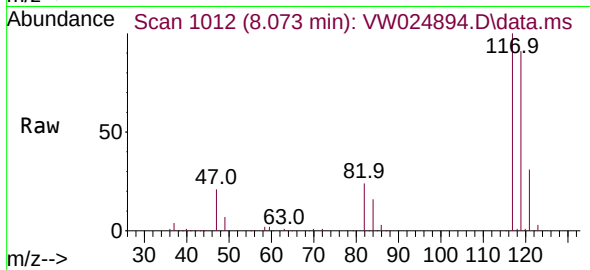




#31
Carbon tetrachloride
Concen: 25.572 ug/L
RT: 8.073 min Scan# 1012
Delta R.T. -0.000 min
Lab File: VW024894.D
Acq: 13 Oct 2022 10:18

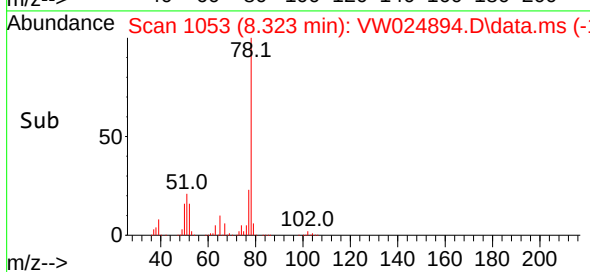
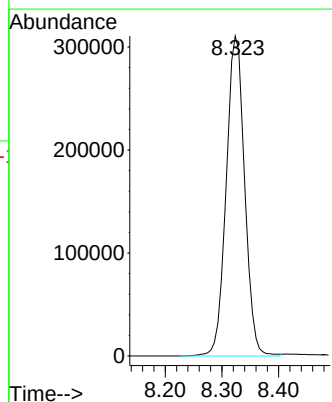
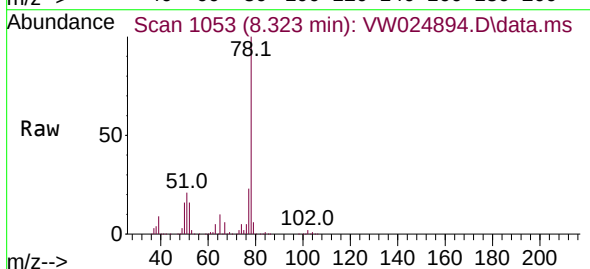
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

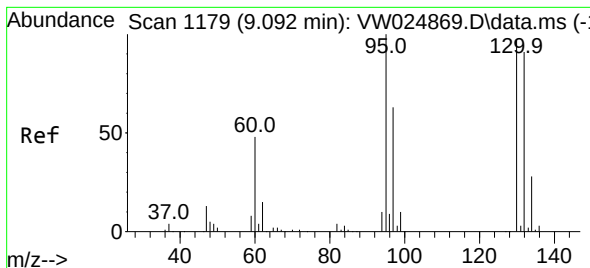
Tgt Ion:117 Resp: 215506
Ion Ratio Lower Upper
117 100
119 96.6 75.1 112.7



#33
Benzene
Concen: 24.696 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW024894.D
Acq: 13 Oct 2022 10:18

Tgt Ion: 78 Resp: 701222





#34

Trichloroethene

Concen: 24.541 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD025597

Tgt Ion: 95 Resp: 175483

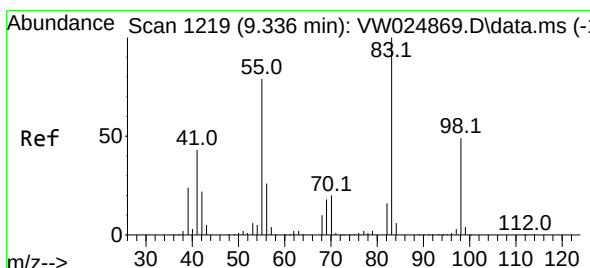
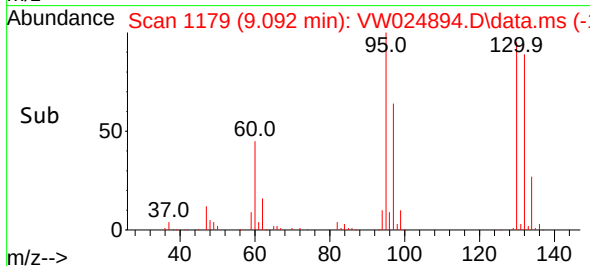
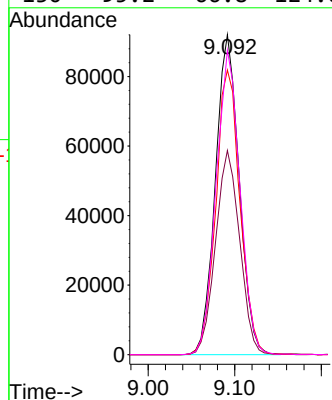
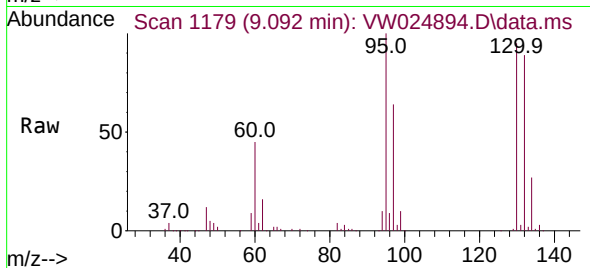
Ion Ratio Lower Upper

95 100

97 63.8 44.2 82.0

132 89.0 62.9 116.7

130 95.2 66.8 124.0



#35

Methylcyclohexane

Concen: 25.083 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

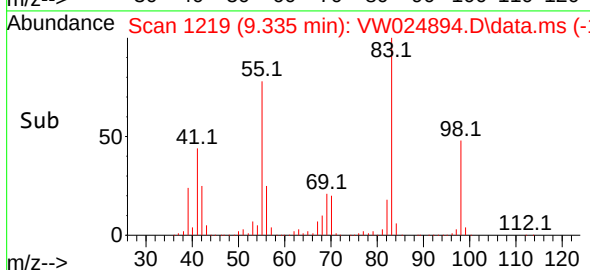
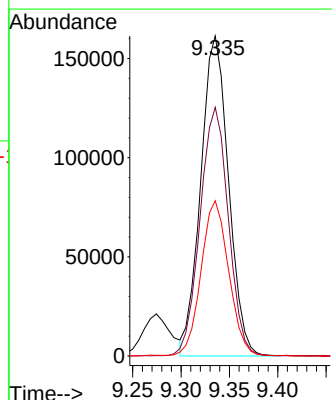
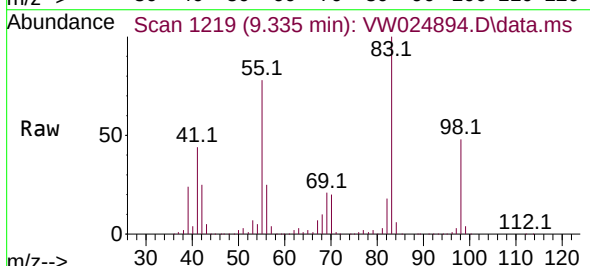
Tgt Ion: 83 Resp: 322800

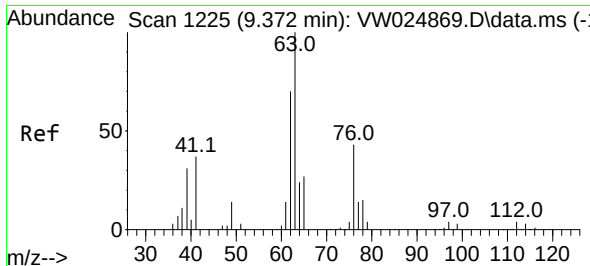
Ion Ratio Lower Upper

83 100

55 79.0 62.5 93.7

98 48.3 37.2 55.8





#37

1,2-Dichloropropane

Concen: 24.922 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

Instrument :

MSVOA_W

ClientSampleId :

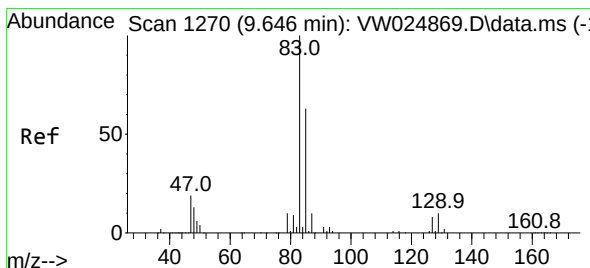
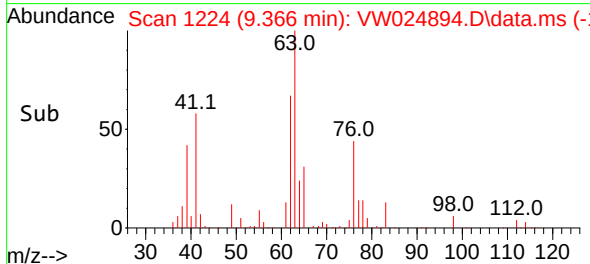
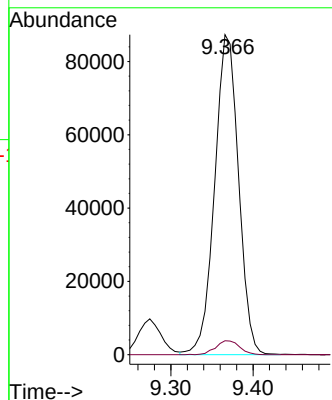
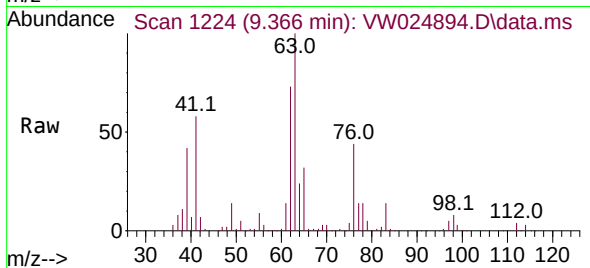
VSTD025597

Tgt Ion: 63 Resp: 176352

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2



#38

Bromodichloromethane

Concen: 24.922 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

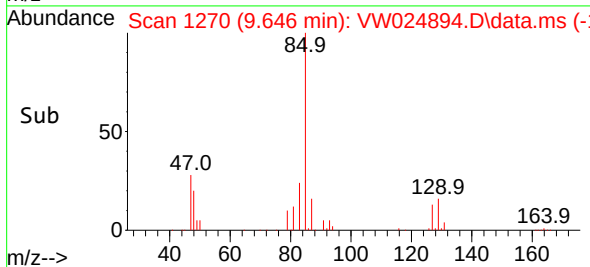
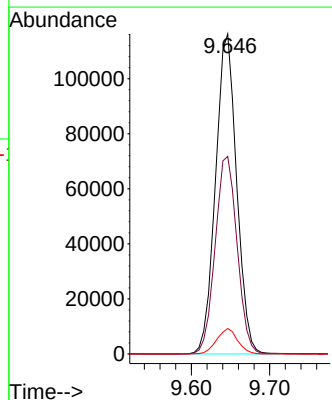
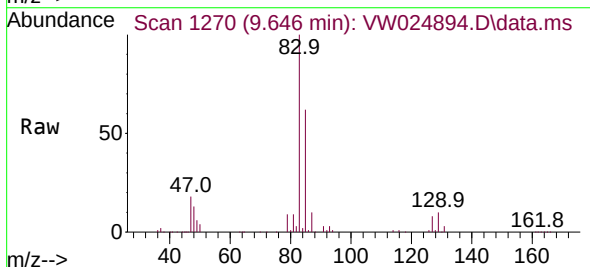
Tgt Ion: 83 Resp: 217892

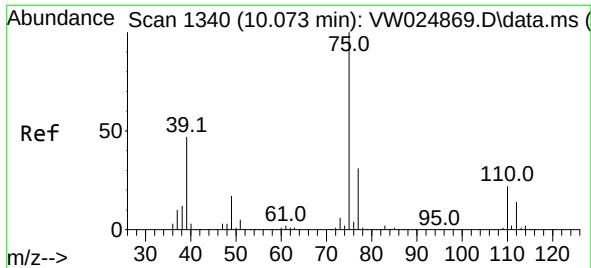
Ion Ratio Lower Upper

83 100

85 61.8 43.6 81.0

127 8.0 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 25.852 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

Instrument :

MSVOA_W

ClientSampleId :

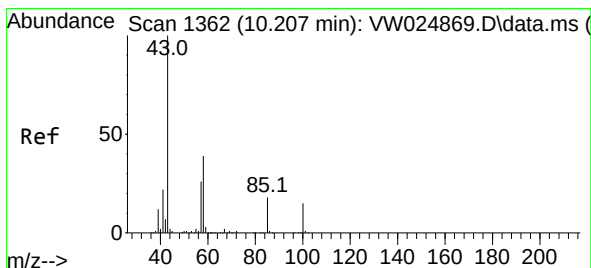
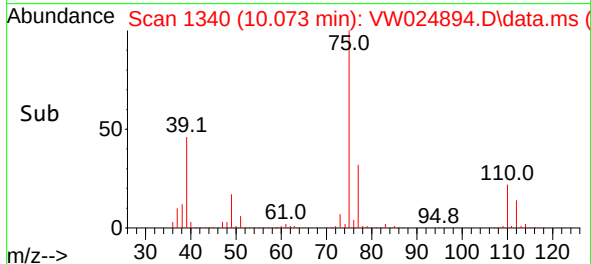
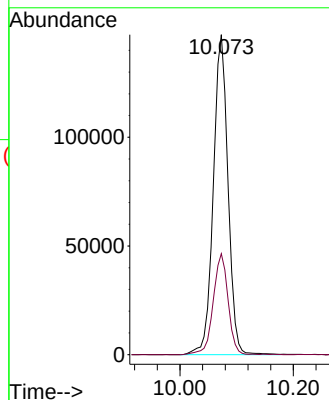
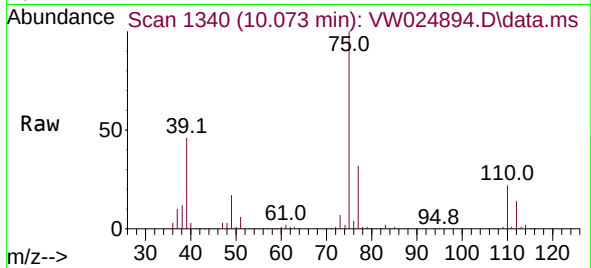
VSTD025597

Tgt Ion: 75 Resp: 264419

Ion Ratio Lower Upper

75 100

77 31.5 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 50.142 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

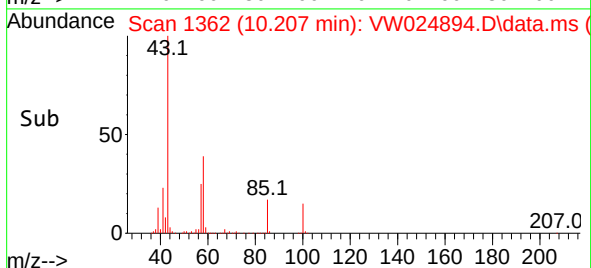
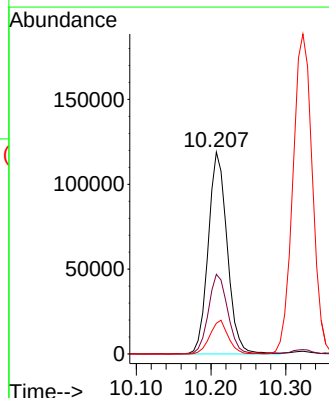
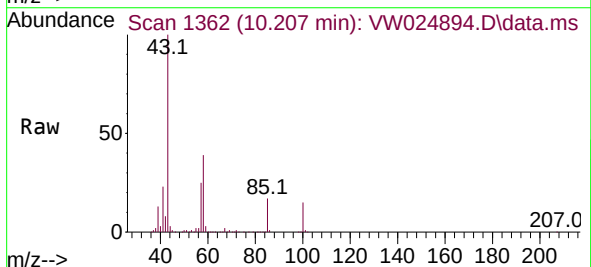
Tgt Ion: 43 Resp: 209713

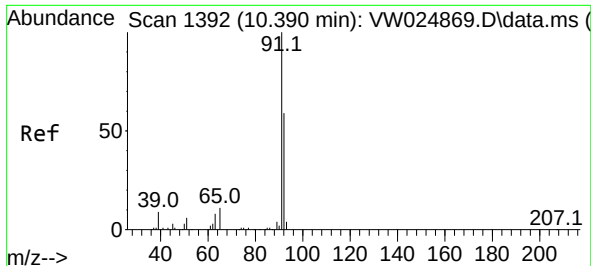
Ion Ratio Lower Upper

43 100

58 40.3 32.1 48.1

100 16.2 12.8 19.2

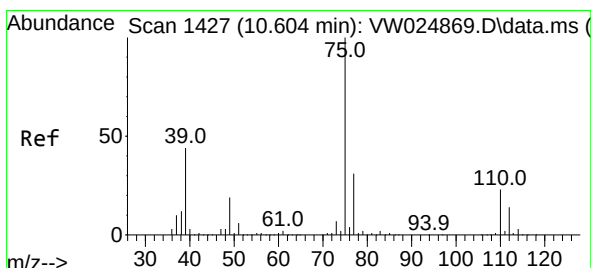
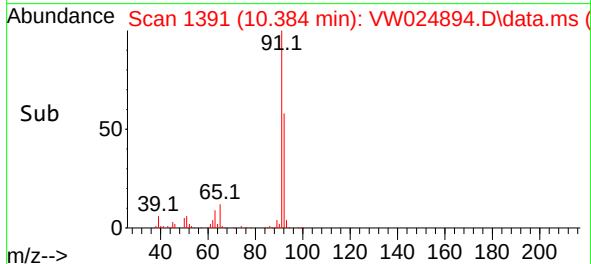
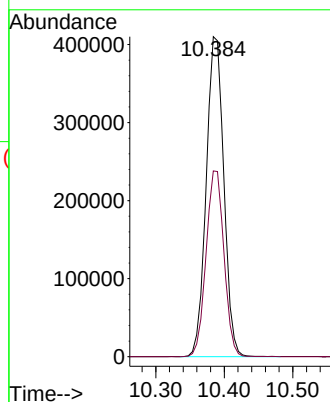
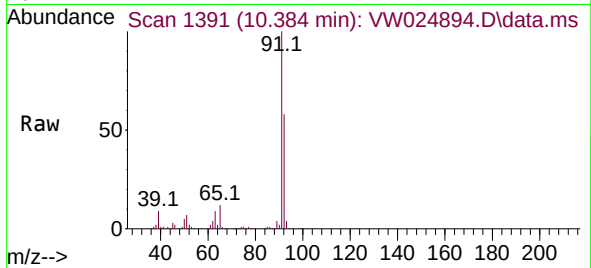




#42
Toluene
Concen: 25.176 ug/L
RT: 10.384 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW024894.D
Acq: 13 Oct 2022 10:18

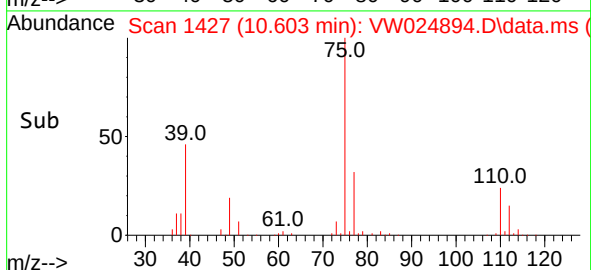
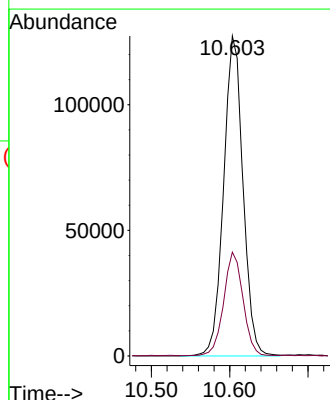
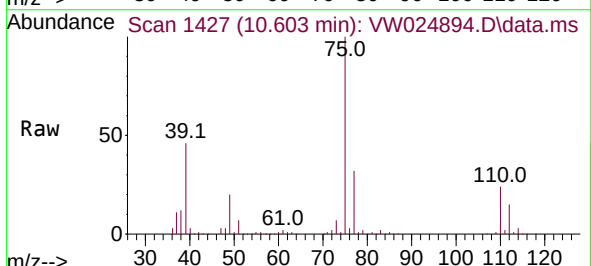
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

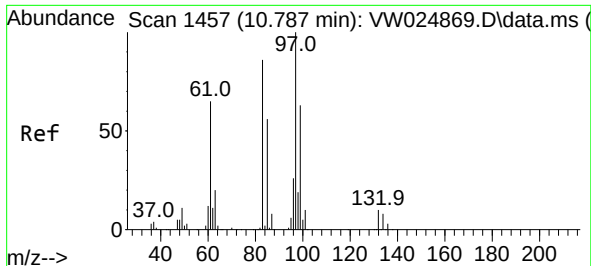
Tgt Ion: 91 Resp: 732927
Ion Ratio Lower Upper
91 100
92 58.1 41.5 77.1



#44
trans-1,3-Dichloropropene
Concen: 25.828 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VW024894.D
Acq: 13 Oct 2022 10:18

Tgt Ion: 75 Resp: 219331
Ion Ratio Lower Upper
75 100
77 32.4 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 25.180 ug/L

RT: 10.786 min Scan# 14

Delta R.T. -0.000 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD025597

Tgt Ion: 97 Resp: 124458

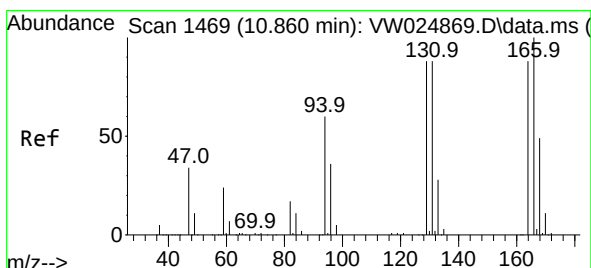
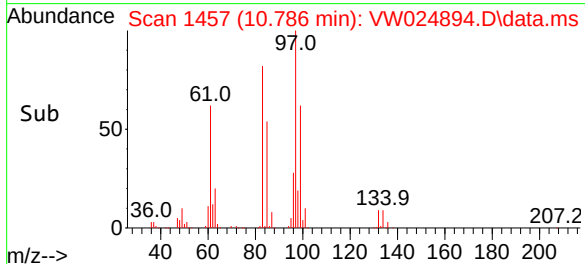
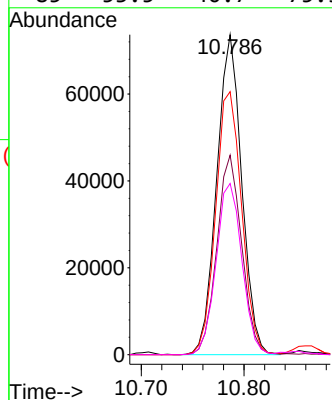
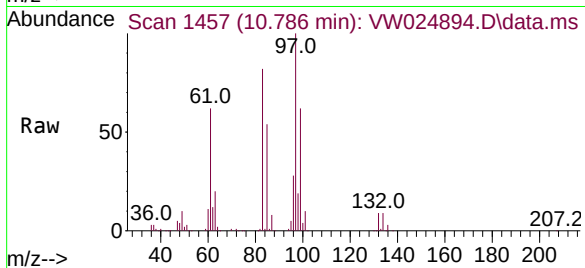
Ion Ratio Lower Upper

97 100

99 62.3 44.7 83.1

83 82.2 59.6 110.8

85 53.5 40.7 75.5



#46

Tetrachloroethene

Concen: 25.469 ug/L

RT: 10.866 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

Tgt Ion:164 Resp: 123831

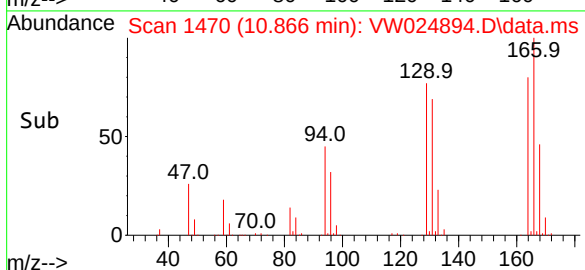
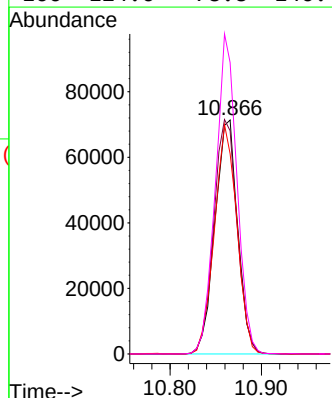
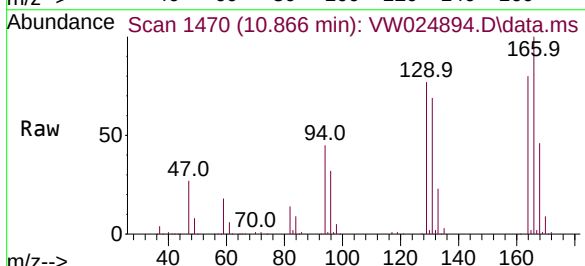
Ion Ratio Lower Upper

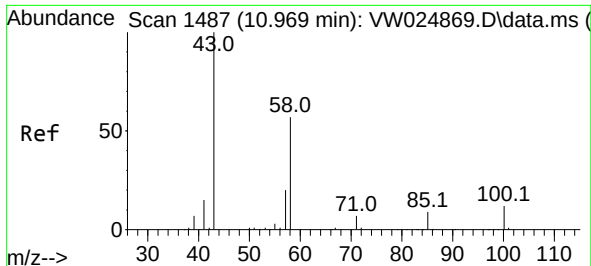
164 100

129 95.4 78.7 146.1

131 85.5 71.1 132.1

166 124.6 78.8 146.4

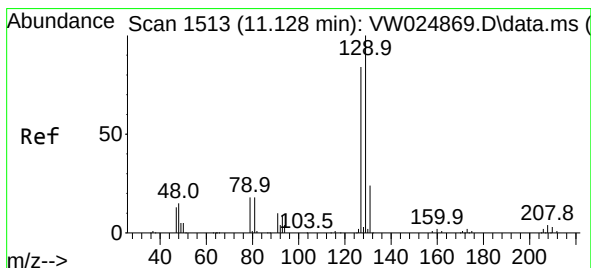
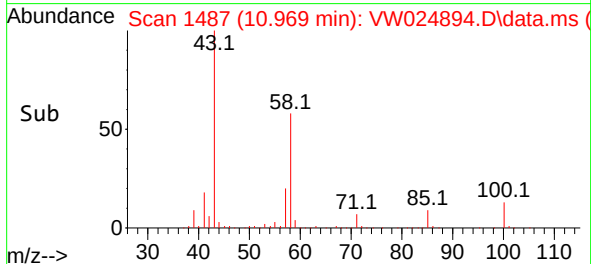
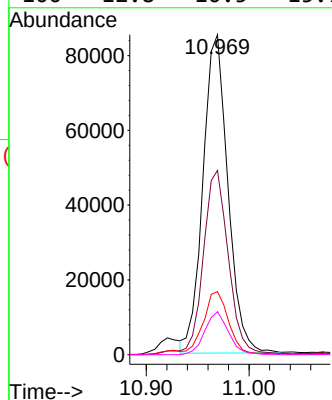
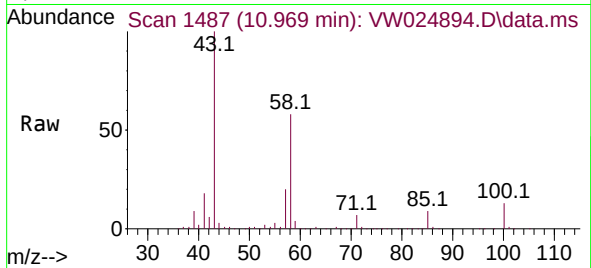




#48
2-Hexanone
Concen: 50.724 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW024894.D
Acq: 13 Oct 2022 10:18

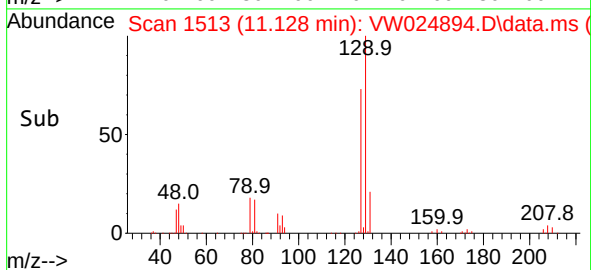
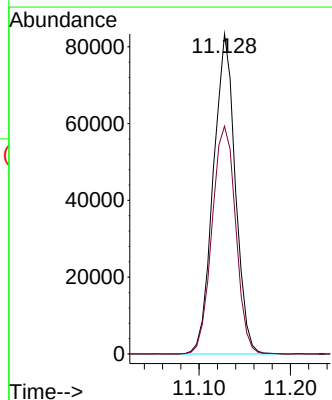
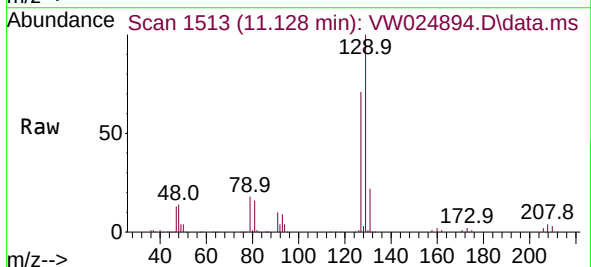
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

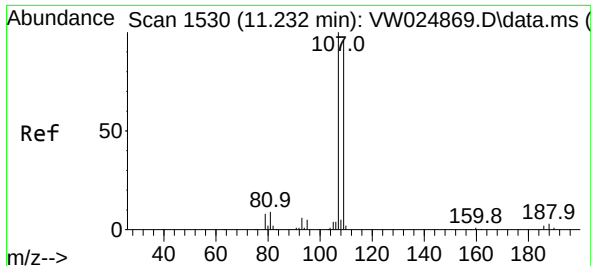
Tgt Ion:	43	Resp:	143839
Ion	Ratio	Lower	Upper
43	100		
58	58.2	47.0	70.6
57	20.2	16.0	24.0
100	12.8	10.5	15.7



#49
Dibromochloromethane
Concen: 25.392 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW024894.D
Acq: 13 Oct 2022 10:18

Tgt Ion:	129	Resp:	138935
Ion	Ratio	Lower	Upper
129	100		
127	71.2	53.9	100.1





#50

1,2-Dibromoethane

Concen: 25.265 ug/L

RT: 11.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD025597

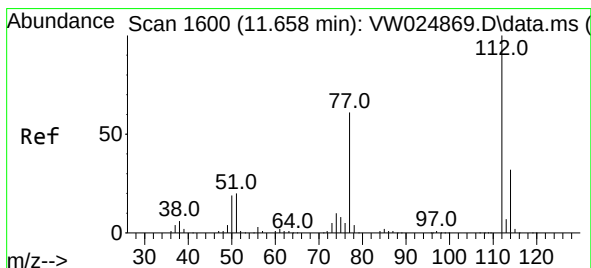
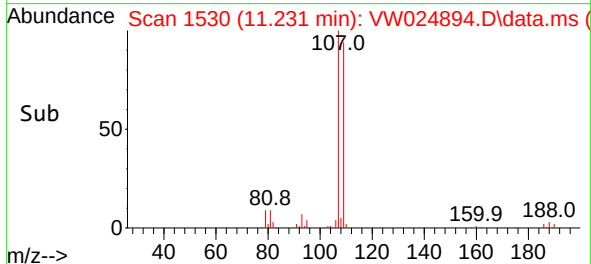
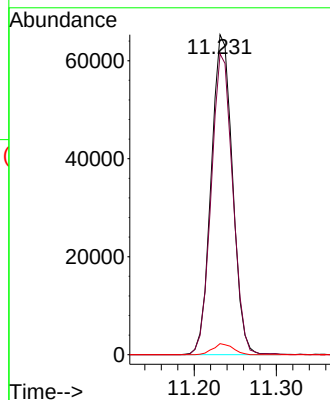
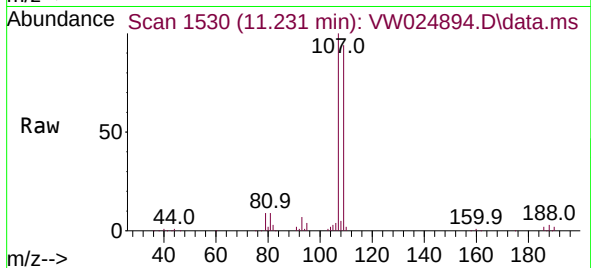
Tgt Ion:107 Resp: 117639

Ion Ratio Lower Upper

107 100

109 94.0 62.8 116.6

188 3.5 2.2 3.2#



#51

Chlorobenzene

Concen: 24.772 ug/L

RT: 11.652 min Scan# 1599

Delta R.T. -0.006 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

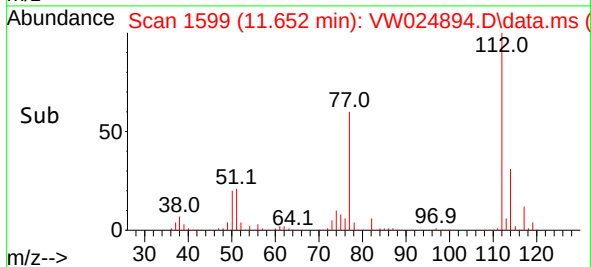
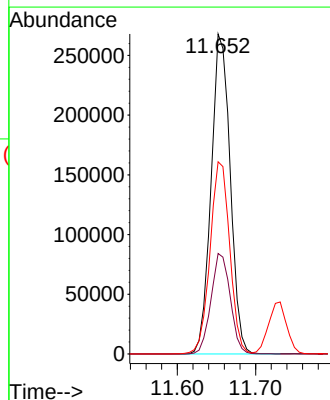
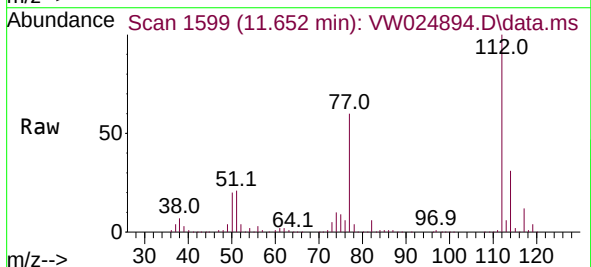
Tgt Ion:112 Resp: 453263

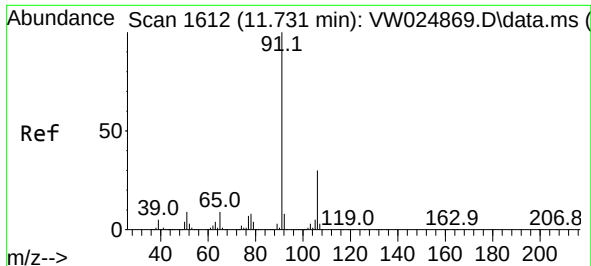
Ion Ratio Lower Upper

112 100

114 31.4 22.7 42.3

77 60.0 49.8 74.8

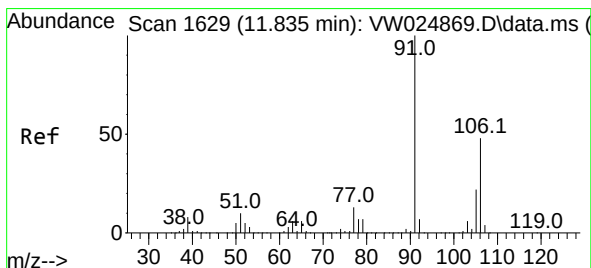
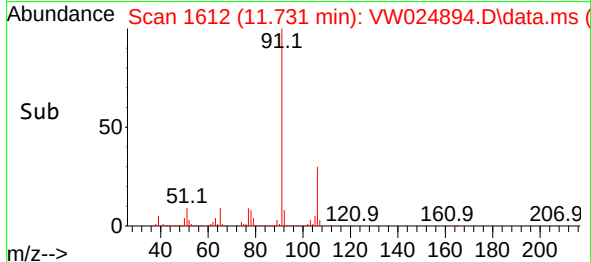
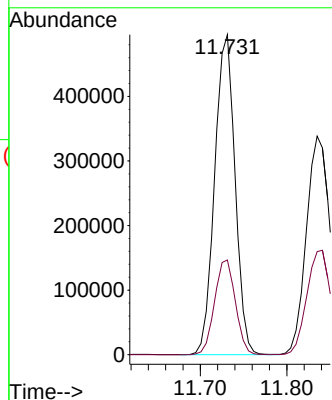
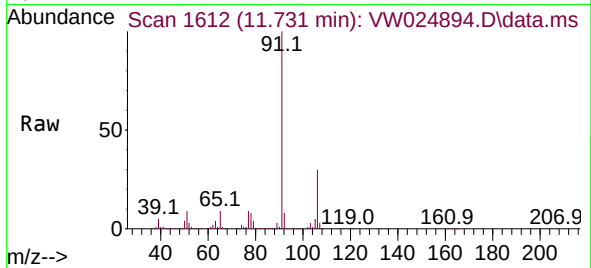




#52
Ethylbenzene
Concen: 24.862 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW024894.D
Acq: 13 Oct 2022 10:18

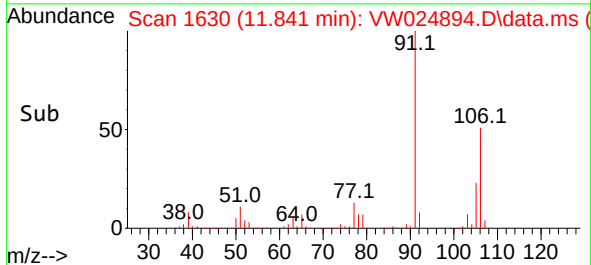
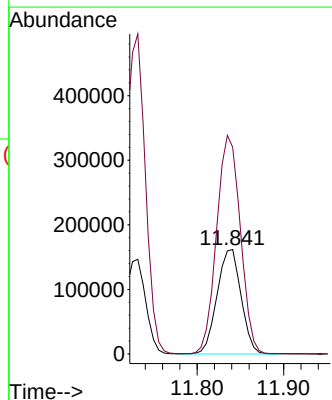
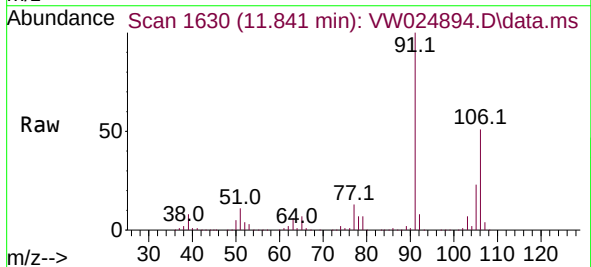
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

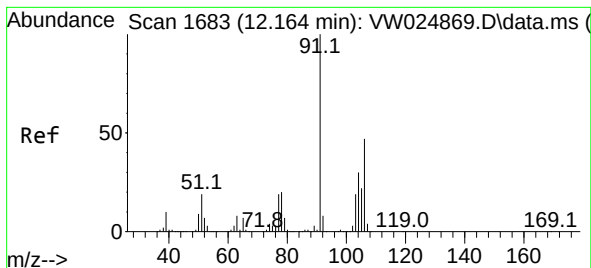
Tgt Ion: 91 Resp: 810481
Ion Ratio Lower Upper
91 100
106 29.6 20.1 37.3



#53
m,p-Xylene
Concen: 25.115 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW024894.D
Acq: 13 Oct 2022 10:18

Tgt Ion:106 Resp: 311058
Ion Ratio Lower Upper
106 100
91 197.8 147.4 273.8





#54

o-Xylene

Concen: 25.247 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

Instrument :

MSVOA_W

ClientSampleId :

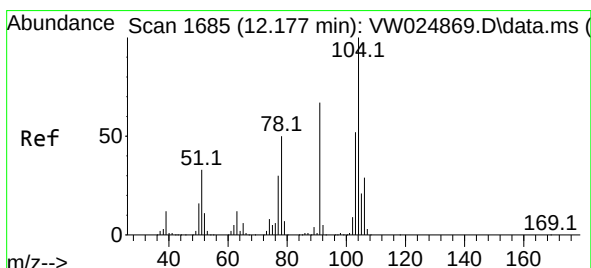
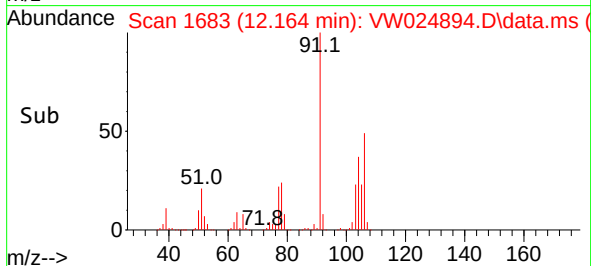
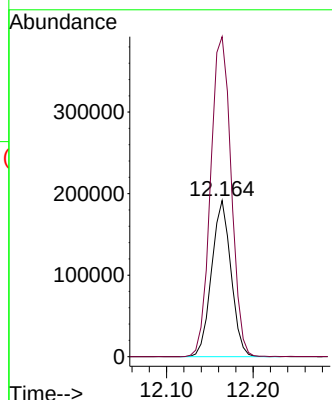
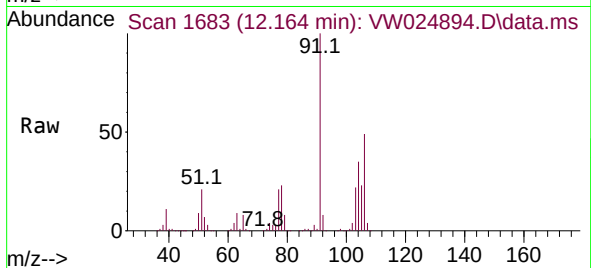
VSTD025597

Tgt Ion:106 Resp: 297730

Ion Ratio Lower Upper

106 100

91 204.9 151.0 280.4



#55

Styrene

Concen: 25.037 ug/L

RT: 12.176 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VW024894.D

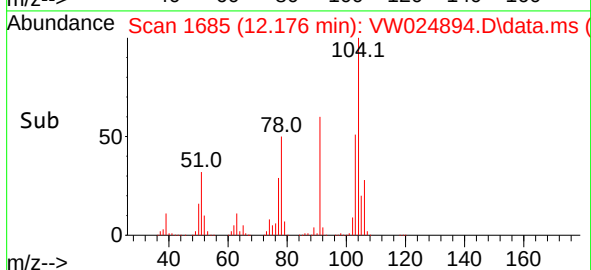
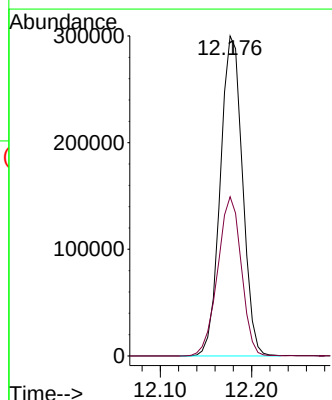
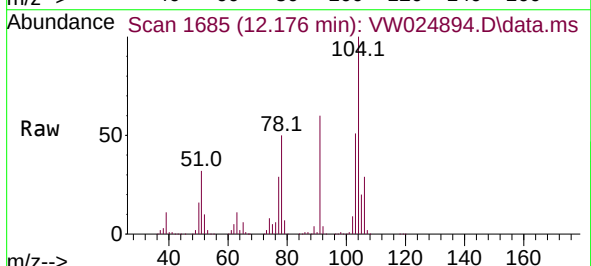
Acq: 13 Oct 2022 10:18

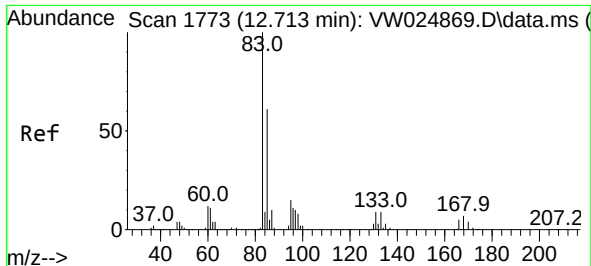
Tgt Ion:104 Resp: 506400

Ion Ratio Lower Upper

104 100

78 49.8 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 24.826 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD025597

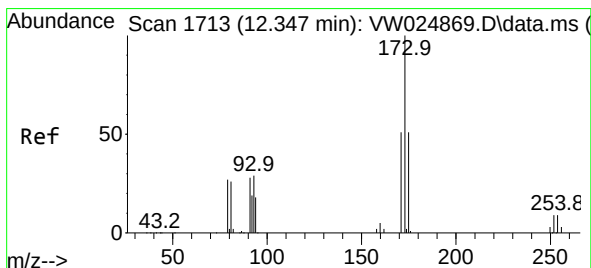
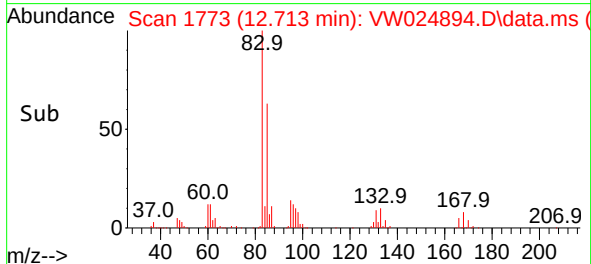
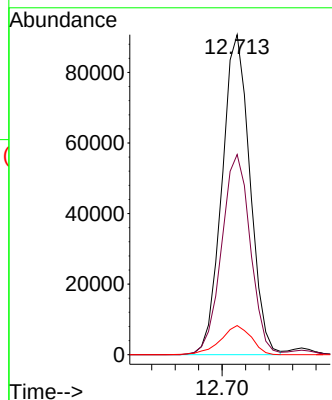
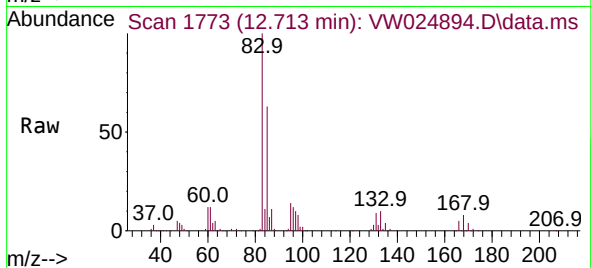
Tgt Ion: 83 Resp: 149707

Ion Ratio Lower Upper

83 100

85 62.6 44.5 82.7

131 9.1 6.8 10.2



#59

Bromoform

Concen: 25.156 ug/L

RT: 12.353 min Scan# 1714

Delta R.T. 0.006 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

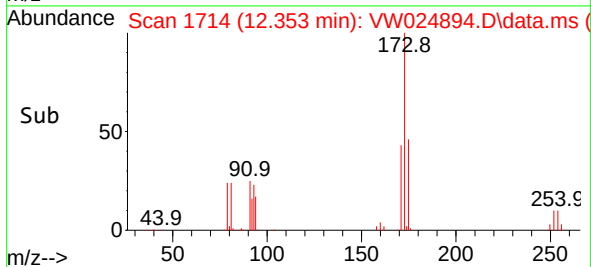
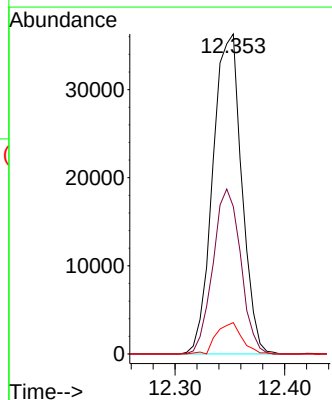
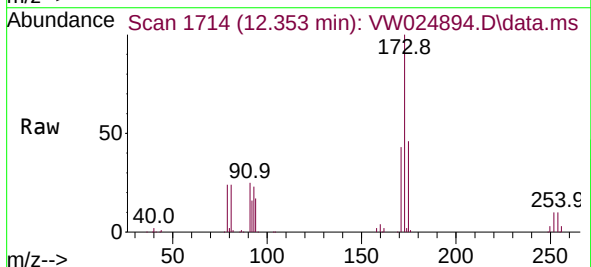
Tgt Ion:173 Resp: 66525

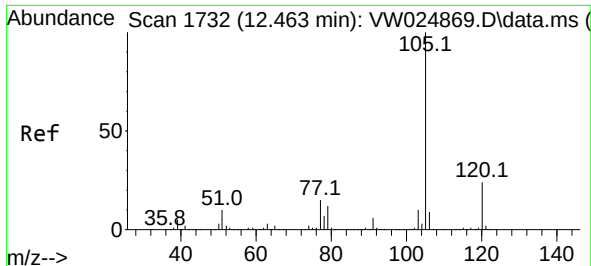
Ion Ratio Lower Upper

173 100

175 49.5 38.6 58.0

254 8.5 4.8 7.2#

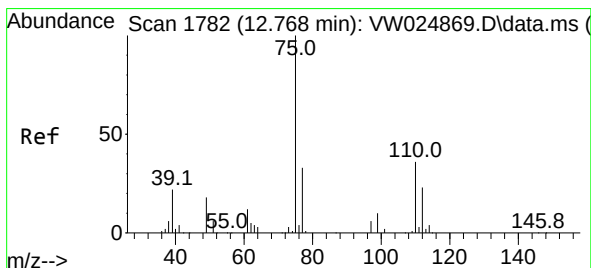
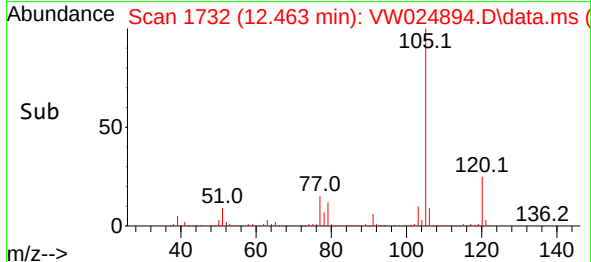
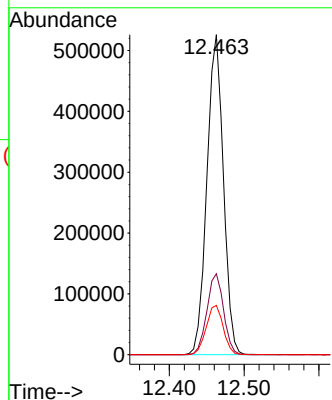
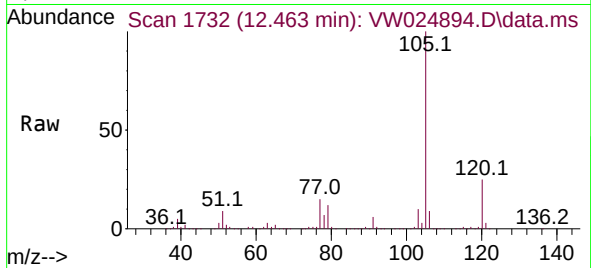




#60
Isopropylbenzene
Concen: 25.253 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW024894.D
Acq: 13 Oct 2022 10:18

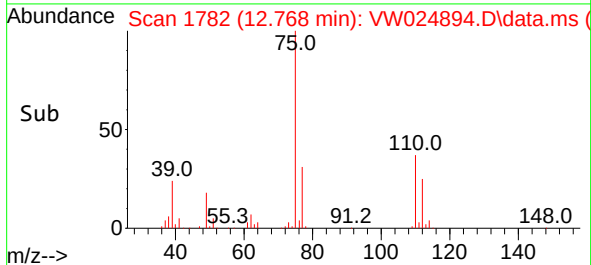
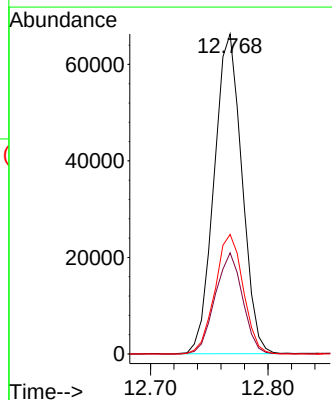
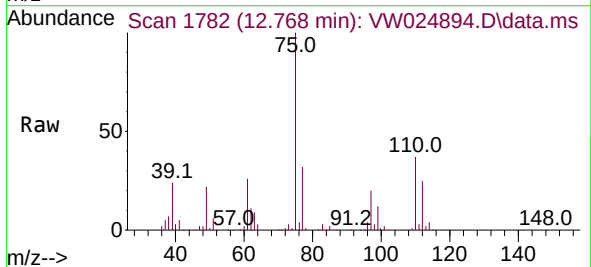
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

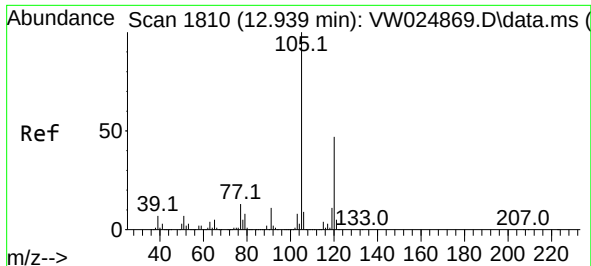
Tgt Ion:105 Resp: 805032
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7
77 15.9 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 25.090 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VW024894.D
Acq: 13 Oct 2022 10:18

Tgt Ion: 75 Resp: 109026
Ion Ratio Lower Upper
75 100
77 31.2 26.4 39.6
110 37.9 30.8 46.2

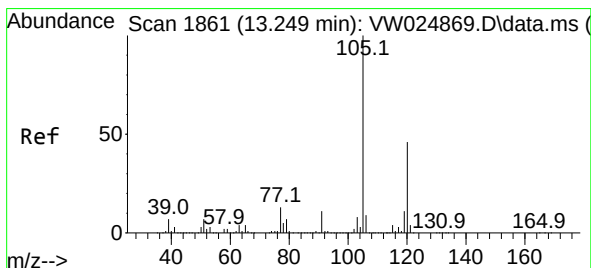
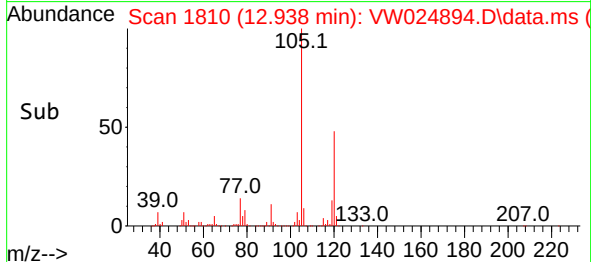
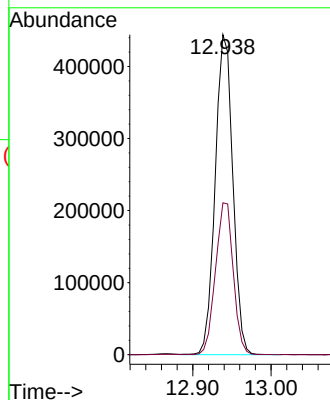
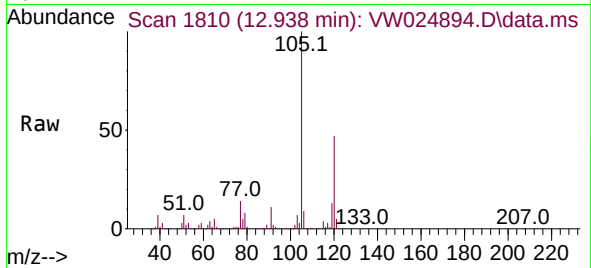




#62
1,3,5-Trimethylbenzene
Concen: 25.375 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VW024894.D
Acq: 13 Oct 2022 10:18

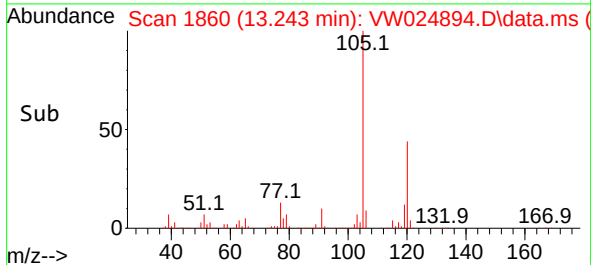
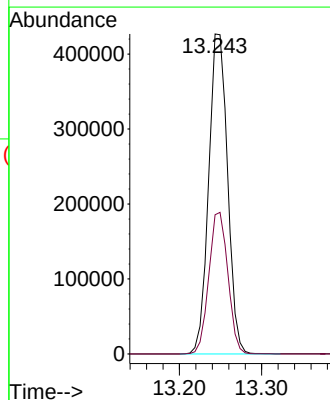
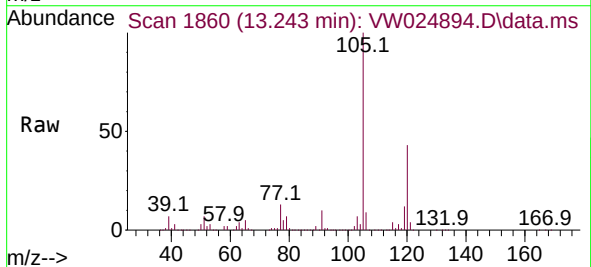
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

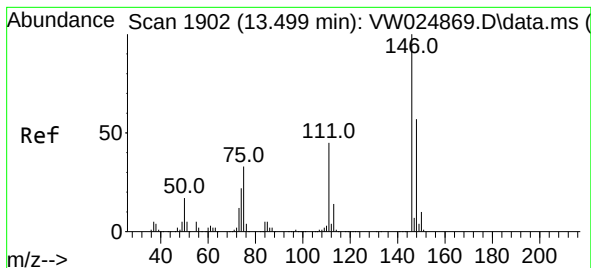
Tgt Ion:105 Resp: 694507
Ion Ratio Lower Upper
105 100
120 47.9 38.1 57.1



#63
1,2,4-Trimethylbenzene
Concen: 25.776 ug/L
RT: 13.243 min Scan# 1860
Delta R.T. -0.006 min
Lab File: VW024894.D
Acq: 13 Oct 2022 10:18

Tgt Ion:105 Resp: 680204
Ion Ratio Lower Upper
105 100
120 44.7 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 25.171 ug/L

RT: 13.493 min Scan# 1902

Delta R.T. -0.006 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD025597

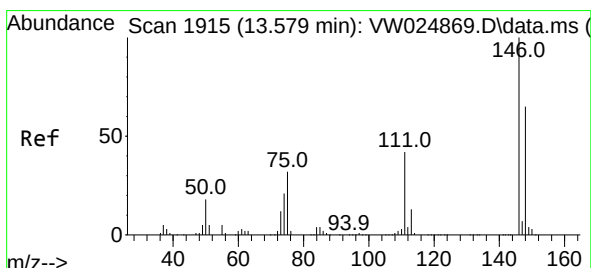
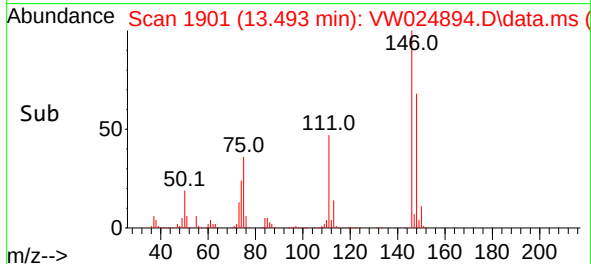
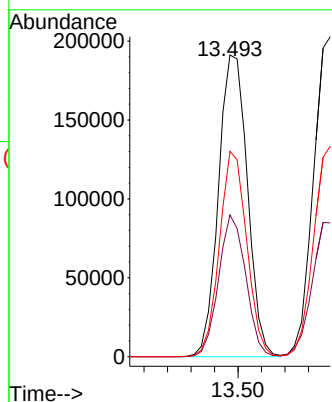
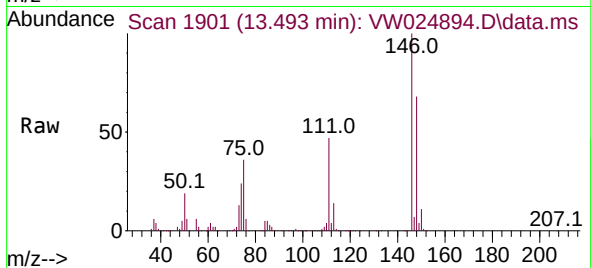
Tgt Ion:146 Resp: 326797

Ion Ratio Lower Upper

146 100

111 47.0 31.7 58.9

148 68.1 45.5 84.5



#65

1,4-Dichlorobenzene

Concen: 24.755 ug/L

RT: 13.579 min Scan# 1915

Delta R.T. -0.000 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

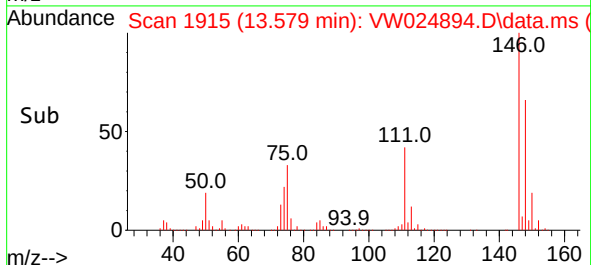
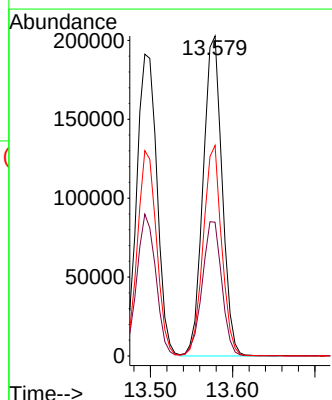
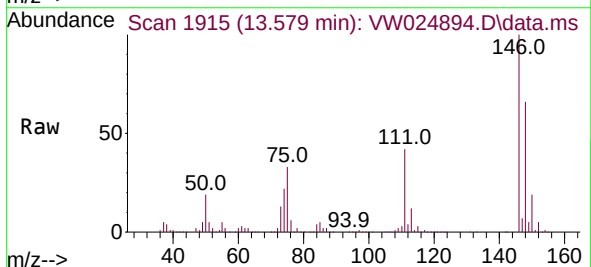
Tgt Ion:146 Resp: 325328

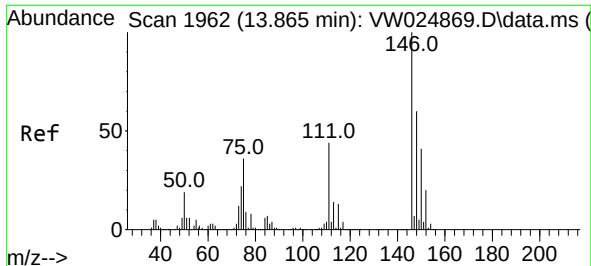
Ion Ratio Lower Upper

146 100

111 41.8 27.4 50.8

148 65.8 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 25.155 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD025597

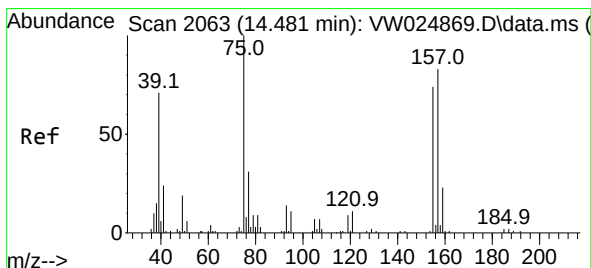
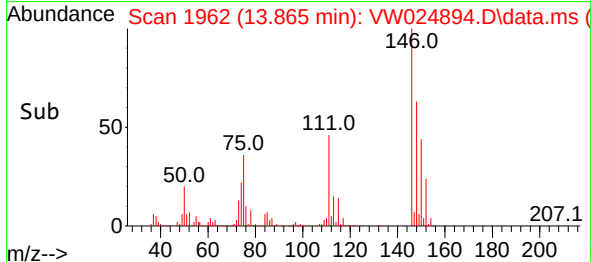
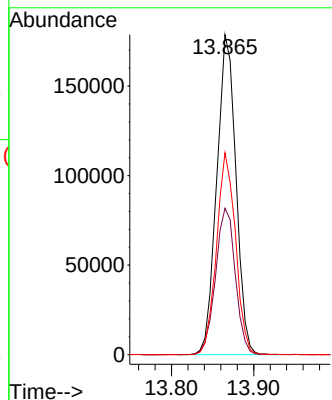
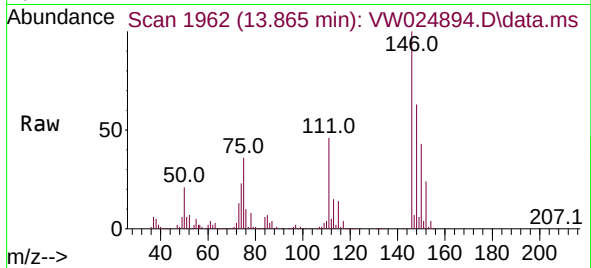
Tgt Ion:146 Resp: 290284

Ion Ratio Lower Upper

146 100

111 45.7 36.9 55.3

148 63.1 50.0 75.0



#68

1,2-Dibromo-3-chloropropane

Concen: 26.441 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

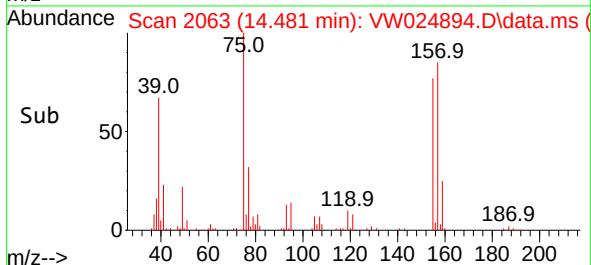
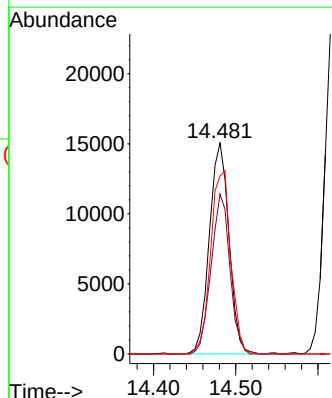
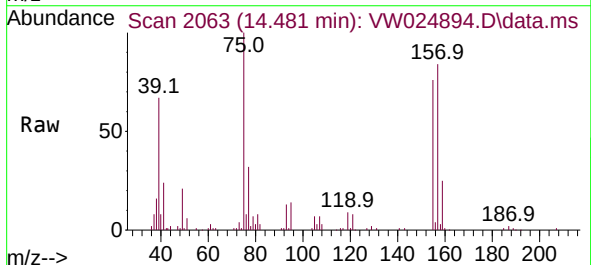
Tgt Ion: 75 Resp: 24974

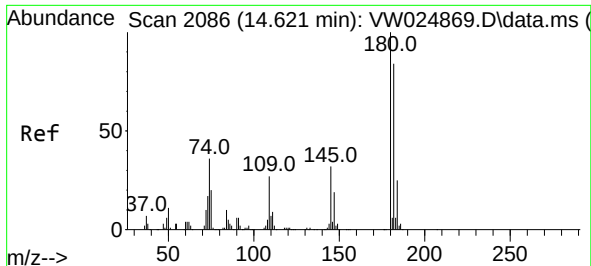
Ion Ratio Lower Upper

75 100

155 75.8 56.2 84.4

157 84.3 74.6 111.8





#69

1,3,5-Trichlorobenzene

Concen: 24.868 ug/L

RT: 14.627 min Scan# 210801

Delta R.T. 0.006 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD025597

Tgt Ion:180 Resp: 210801

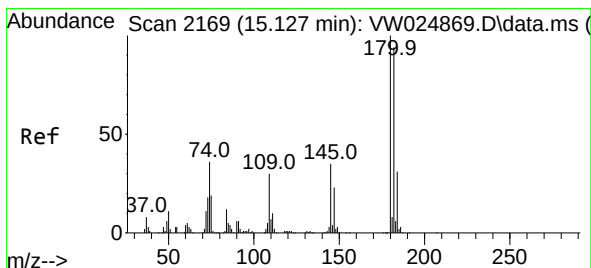
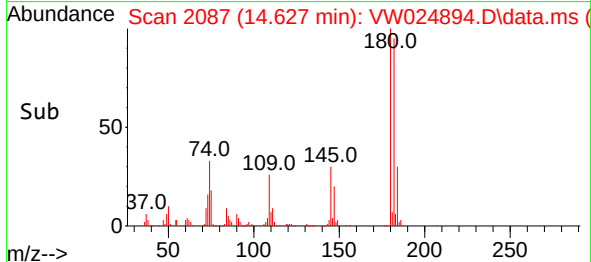
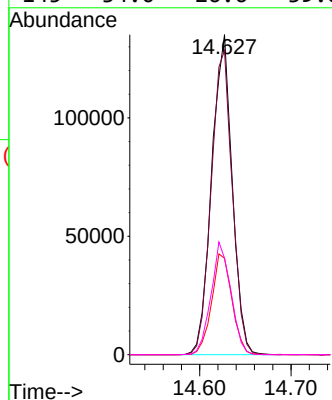
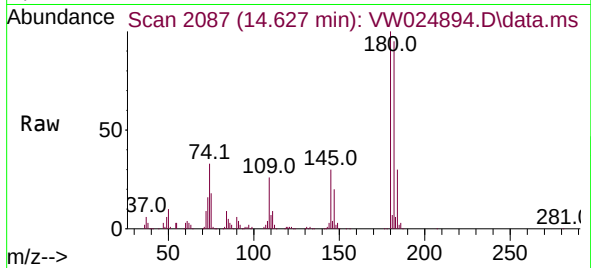
Ion Ratio Lower Upper

180 100

182 97.3 75.0 112.6

184 31.1 22.9 34.3

145 34.0 26.6 39.8



#70

1,2,4-trichlorobenzene

Concen: 25.988 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

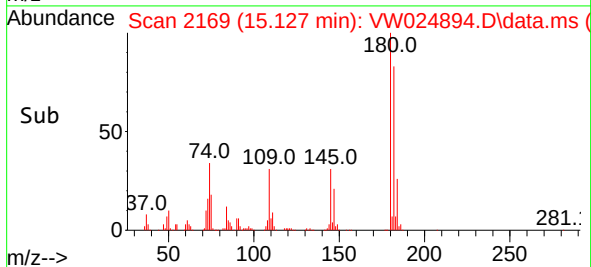
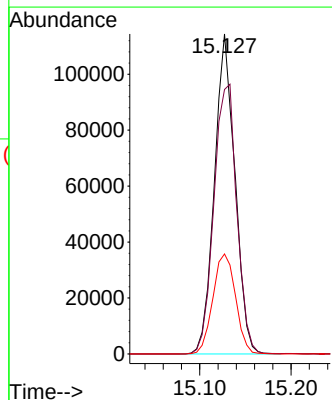
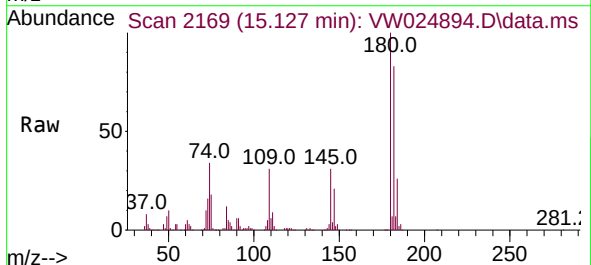
Tgt Ion:180 Resp: 178735

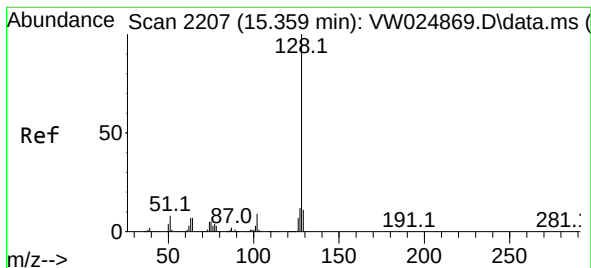
Ion Ratio Lower Upper

180 100

182 94.1 77.7 116.5

145 34.5 29.0 43.4





#71

Naphthalene

Concen: 26.955 ug/L

RT: 15.359 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD025597

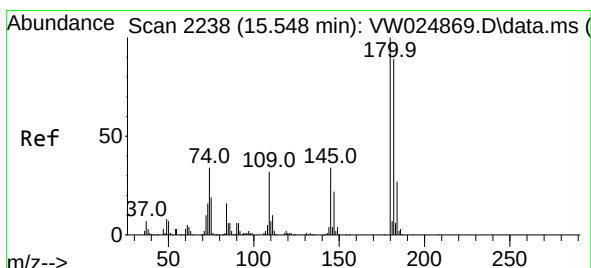
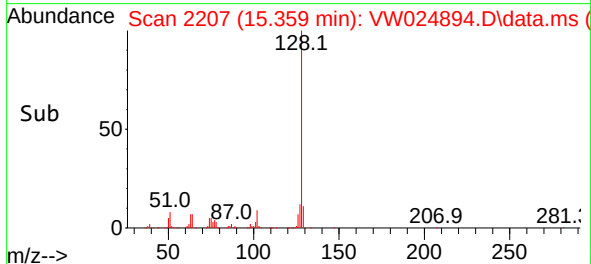
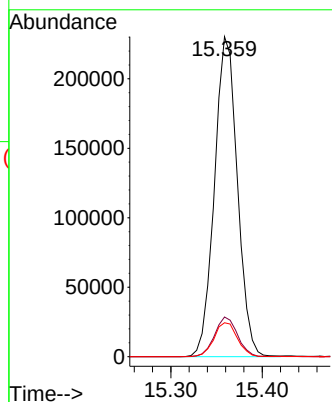
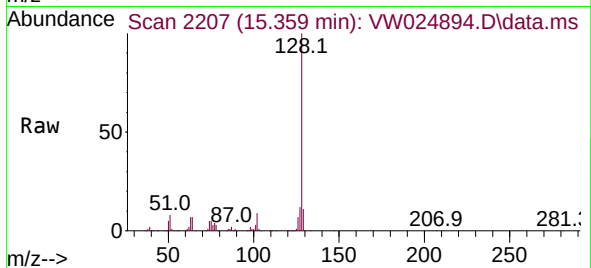
Tgt Ion:128 Resp: 401677

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

129 10.9 9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 26.106 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.006 min

Lab File: VW024894.D

Acq: 13 Oct 2022 10:18

Tgt Ion:180 Resp: 153247

Ion Ratio Lower Upper

180 100

182 94.0 75.1 112.7

145 35.9 29.9 44.9

