

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122722\
 Data File : VW025212.D
 Acq On : 27 Dec 2022 12:13
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025519

Quant Time: Dec 28 00:53:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120822SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 28 00:52:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	562394	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.627	117	487159	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	217335	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.348	65	138944	21.432	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.720%
7) Chloroethane-d5	2.885	69	103482	24.720	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.880%
11) 1,1-Dichloroethene-d2	4.013	63	341585	24.050	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.200%
21) 2-Butanone-d5	7.073	46	80497	49.458	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.920%
24) Chloroform-d	7.646	84	355115	24.462	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.840%
26) 1,2-Dichloroethane-d4	8.305	65	170801	23.201	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.800%
32) Benzene-d6	8.274	84	735184	25.733	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.920%
36) 1,2-Dichloropropane-d6	9.268	67	219077	26.354	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.400%
41) Toluene-d8	10.323	98	659948	25.477	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.920%
43) trans-1,3-Dichloroprop...	10.573	79	83609	23.810	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.240%
47) 2-Hexanone-d5	10.920	63	66626	54.628	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.260%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	125699	20.477	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.920%
66) 1,2-Dichlorobenzene-d4	13.852	152	205565	27.905	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.001	85	68494	20.096	ug/L	98
3) Chloromethane	2.214	50	141811	23.629	ug/L	97
5) Vinyl chloride	2.355	62	183984	24.506	ug/L	100
6) Bromomethane	2.775	94	91543	23.531	ug/L	99
8) Chloroethane	2.922	64	89289	25.713	ug/L	100
9) Trichlorofluoromethane	3.257	101	128354	22.813	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	183943	24.750	ug/L	99
12) 1,1-Dichloroethene	4.037	96	178316	25.166	ug/L	96
13) Acetone	4.116	43	70946	42.405	ug/L	99
14) Carbon disulfide	4.379	76	523639	23.149	ug/L	100
15) Methyl Acetate	4.665	43	67668	24.780	ug/L	98
16) Methylene chloride	4.909	84	198848	22.622	ug/L	97
17) trans-1,2-Dichloroethene	5.421	96	190278	25.332	ug/L	97
18) Methyl tert-butyl Ether	5.427	73	266767	23.935	ug/L	99
19) 1,1-Dichloroethane	6.214	63	349382	25.742	ug/L	100
20) cis-1,2-Dichloroethene	7.165	96	204943	25.803	ug/L	99
22) 2-Butanone	7.165	43	93354	44.352	ug/L	100
23) Bromochloromethane	7.512	128	83661	24.892	ug/L	96
25) Chloroform	7.671	83	341620	24.873	ug/L	100

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 Response via : Initial Calibration

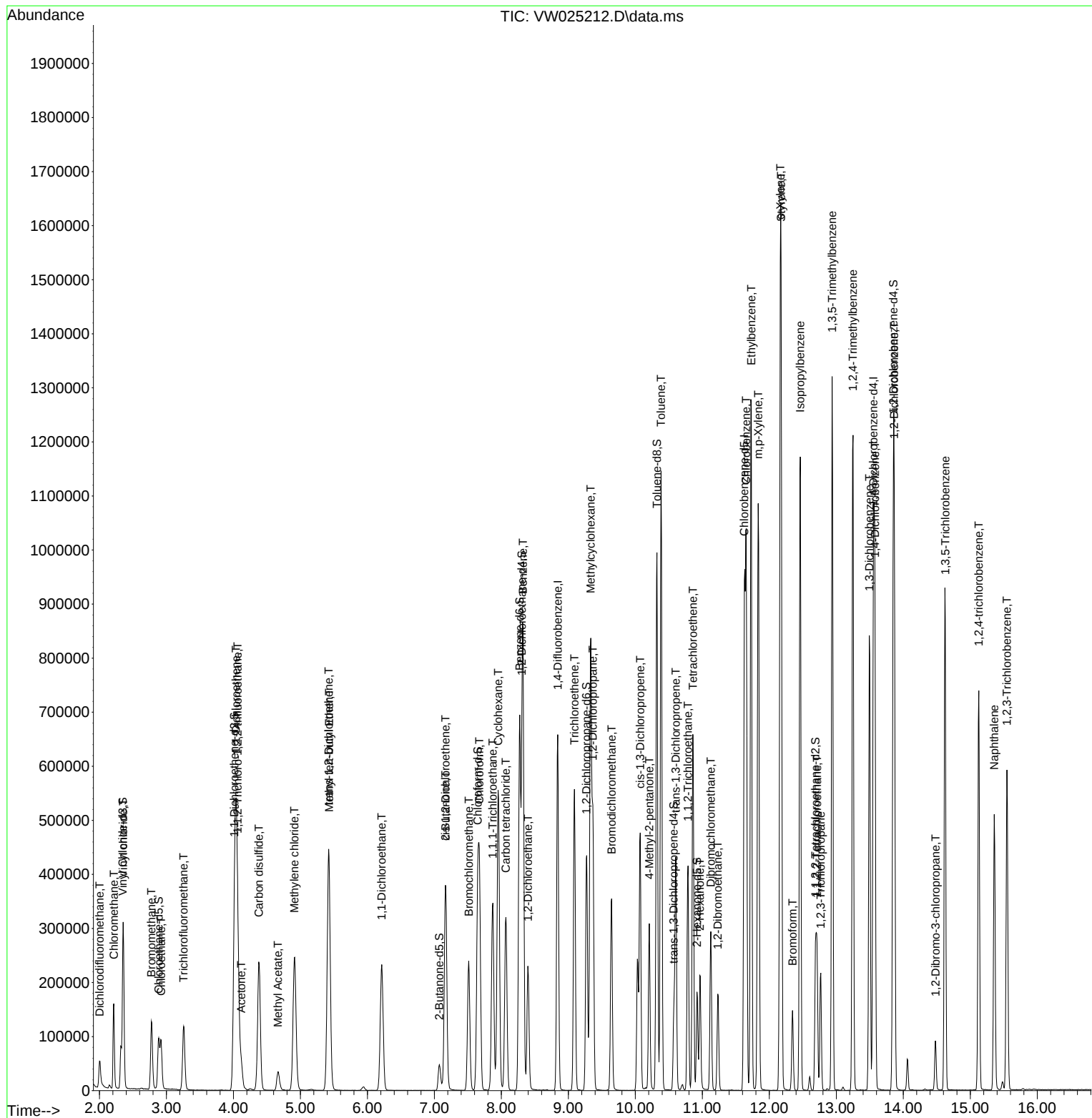
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.396	62	205524	23.767	ug/L	99
29) Cyclohexane	7.951	56	329652	26.723	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	284245	24.718	ug/L	99
31) Carbon tetrachloride	8.067	117	249263	23.574	ug/L	99
33) Benzene	8.323	78	794853	26.339	ug/L	100
34) Trichloroethene	9.091	95	203759	25.776	ug/L	95
35) Methylcyclohexane	9.335	83	361444	25.778	ug/L	100
37) 1,2-Dichloropropane	9.366	63	197093	27.078	ug/L	100
38) Bromodichloromethane	9.646	83	241601	25.126	ug/L	100
39) cis-1,3-Dichloropropene	10.073	75	295076	26.532	ug/L	96
40) 4-Methyl-2-pentanone	10.207	43	193831	51.948	ug/L	99
42) Toluene	10.384	91	826308	26.133	ug/L	99
44) trans-1,3-Dichloropropene	10.603	75	244257	25.645	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	134216	25.839	ug/L	95
46) Tetrachloroethene	10.859	164	146088	25.387	ug/L	93
48) 2-Hexanone	10.963	43	133696	49.056	ug/L	99
49) Dibromochloromethane	11.127	129	154563	24.777	ug/L	91
50) 1,2-Dibromoethane	11.231	107	124713	25.788	ug/L	98
51) Chlorobenzene	11.652	112	524591	25.924	ug/L	97
52) Ethylbenzene	11.731	91	928317	25.907	ug/L	99
53) m,p-Xylene	11.835	106	348858	25.494	ug/L	94
54) o-Xylene	12.164	106	296956	22.770	ug/L	97
55) Styrene	12.176	104	521570	23.616	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.712	83	126772	20.869	ug/L	96
59) Bromoform	12.347	173	67161	22.503	ug/L	99
60) Isopropylbenzene	12.463	105	778268	23.362	ug/L	100
61) 1,2,3-Trichloropropane	12.767	75	91835	21.984	ug/L	99
62) 1,3,5-Trimethylbenzene	12.938	105	705927	24.738	ug/L	100
63) 1,2,4-Trimethylbenzene	13.249	105	688061	24.820	ug/L	99
64) 1,3-Dichlorobenzene	13.493	146	345268	25.316	ug/L	99
65) 1,4-Dichlorobenzene	13.578	146	355648	25.894	ug/L	95
67) 1,2-Dichlorobenzene	13.865	146	345191	29.023	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.480	75	24849	25.513	ug/L	95
69) 1,3,5-Trichlorobenzene	14.627	180	273123	28.204	ug/L	98
70) 1,2,4-trichlorobenzene	15.127	180	224100	28.841	ug/L	99
71) Naphthalene	15.358	128	431455	28.325	ug/L	100
72) 1,2,3-Trichlorobenzene	15.547	180	193882	28.473	ug/L	97

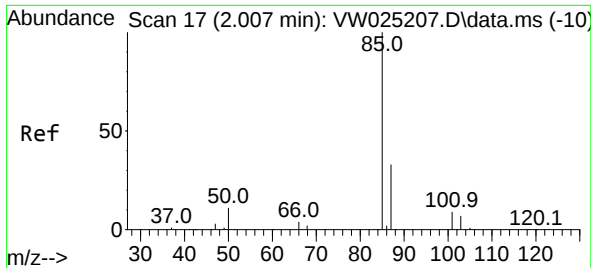
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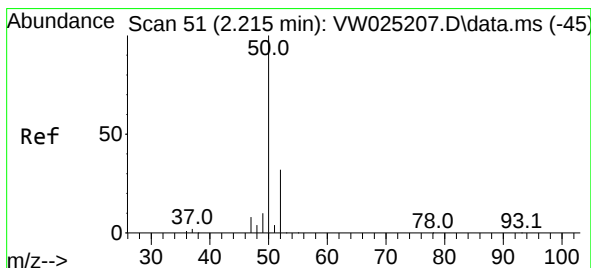
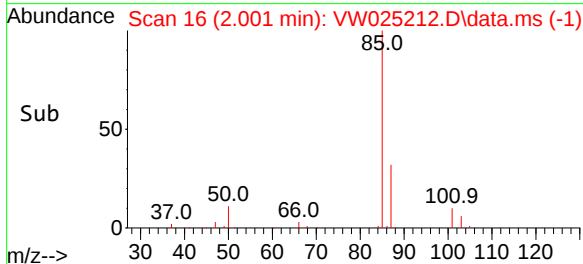
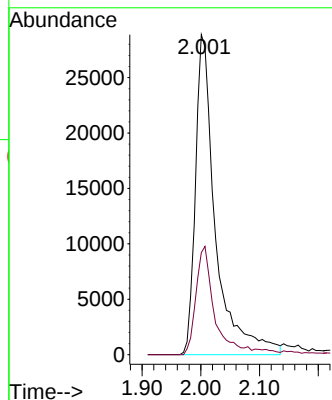
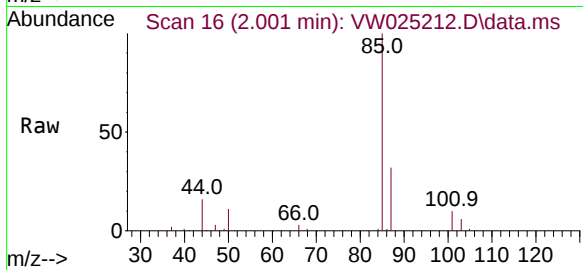




#2
Dichlorodifluoromethane
Concen: 20.096 ug/L
RT: 2.001 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

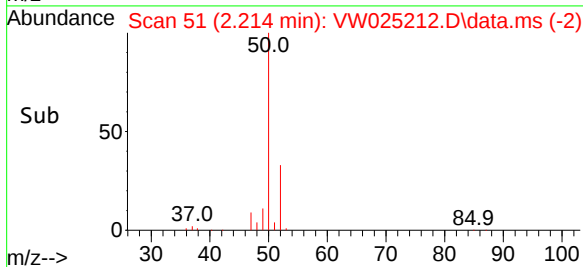
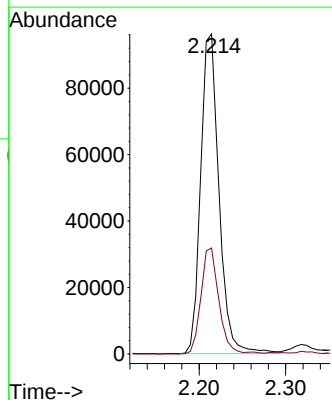
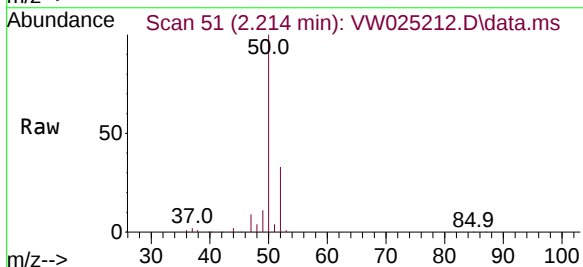
Instrument :
MSVOA_W
ClientSampleId :
VSTD025519

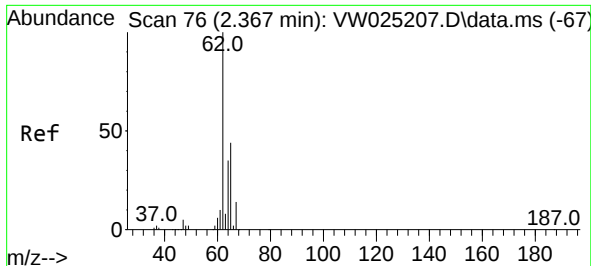
Tgt Ion: 85 Resp: 68494
Ion Ratio Lower Upper
85 100
87 30.2 25.0 37.6



#3
Chloromethane
Concen: 23.629 ug/L
RT: 2.214 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

Tgt Ion: 50 Resp: 141811
Ion Ratio Lower Upper
50 100
52 33.1 22.1 41.1

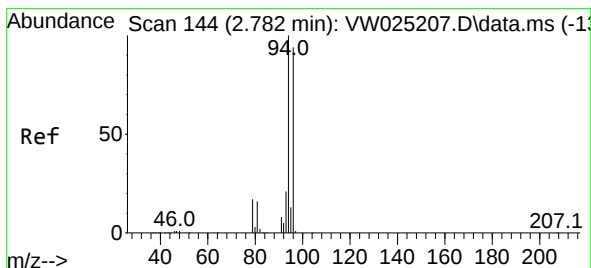
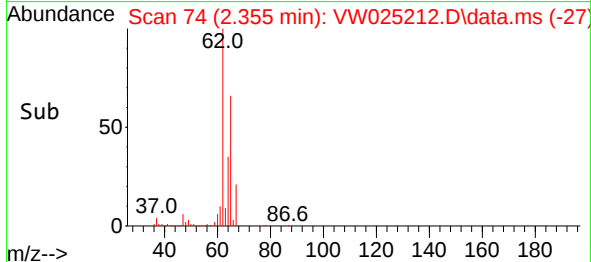
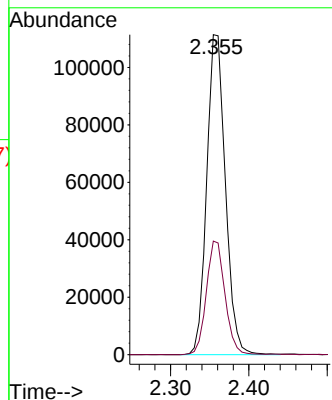
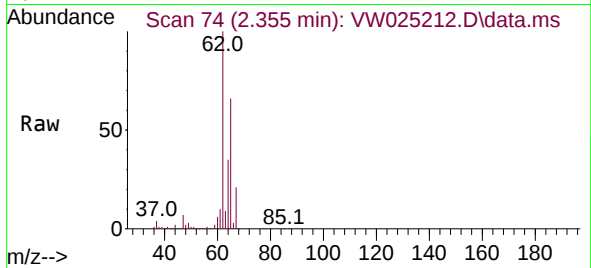




#5
 Vinyl chloride
 Concen: 24.506 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. -0.013 min
 Lab File: VW025212.D
 Acq: 27 Dec 2022 12:13

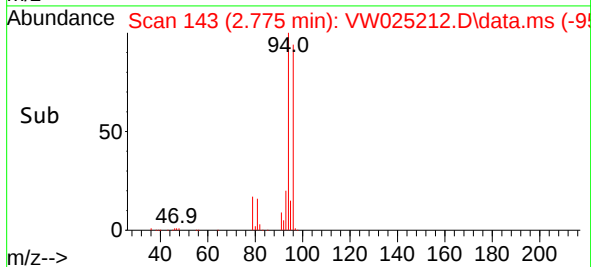
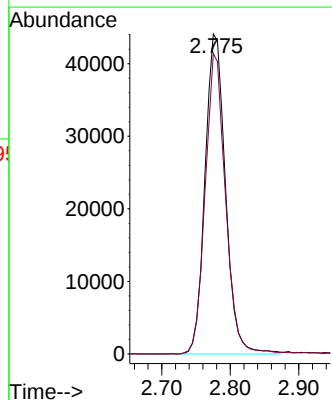
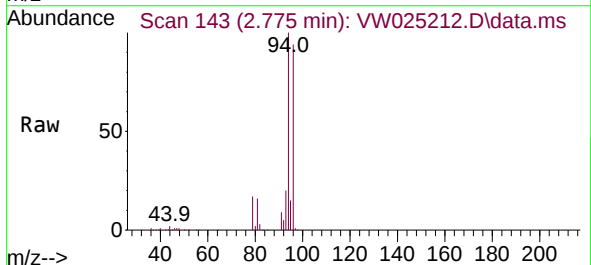
Instrument :
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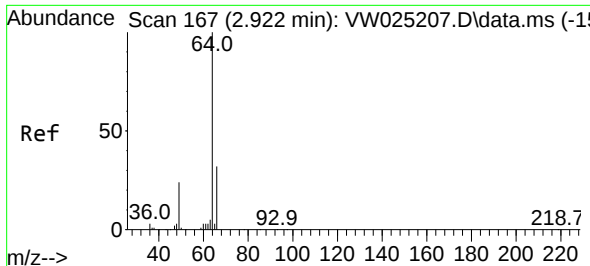
Tgt Ion: 62 Resp: 183984
 Ion Ratio Lower Upper
 62 100
 64 35.5 24.8 46.1



#6
 Bromomethane
 Concen: 23.531 ug/L
 RT: 2.775 min Scan# 143
 Delta R.T. -0.006 min
 Lab File: VW025212.D
 Acq: 27 Dec 2022 12:13

Tgt Ion: 94 Resp: 91543
 Ion Ratio Lower Upper
 94 100
 96 93.9 66.7 123.9

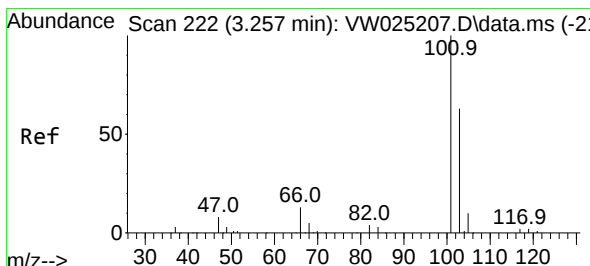
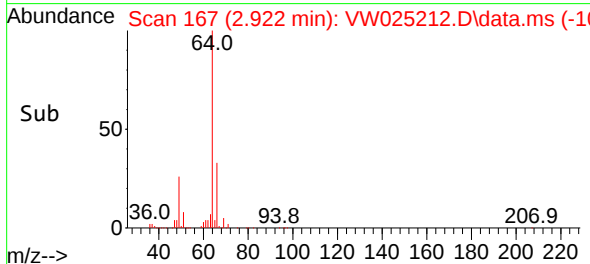
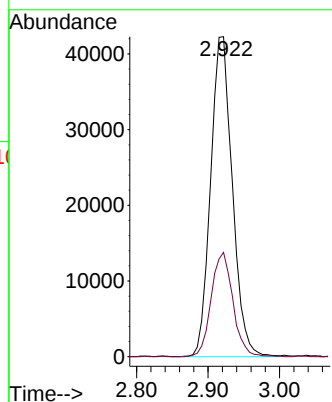
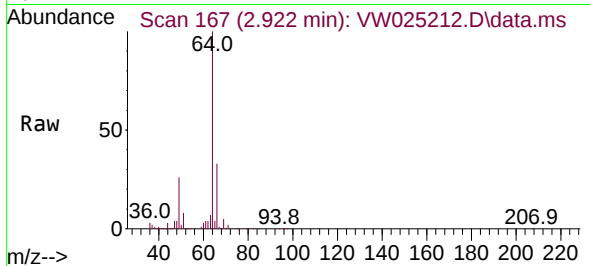




#8
Chloroethane
Concen: 25.713 ug/L
RT: 2.922 min Scan# 167
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

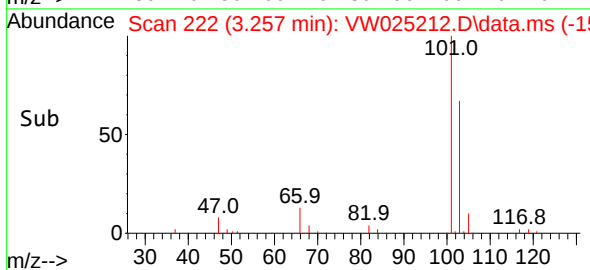
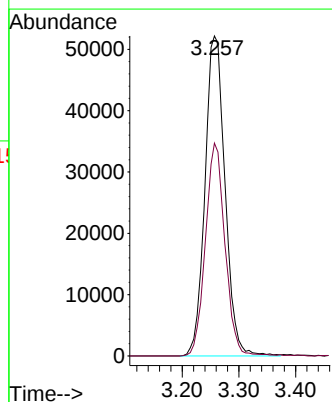
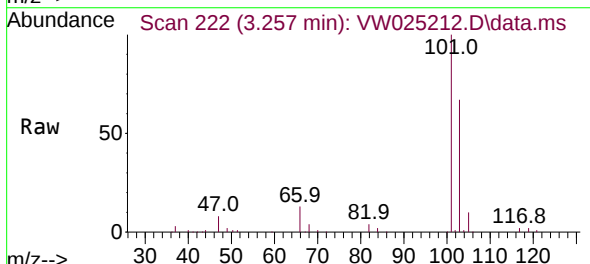
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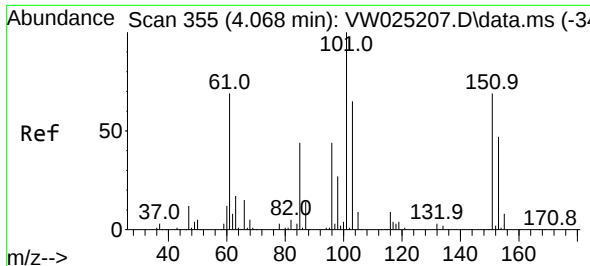
Tgt Ion: 64 Resp: 89289
Ion Ratio Lower Upper
64 100
66 32.6 22.7 42.1



#9
Trichlorofluoromethane
Concen: 22.813 ug/L
RT: 3.257 min Scan# 222
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

Tgt Ion: 101 Resp: 128354
Ion Ratio Lower Upper
101 100
103 64.6 50.9 76.3

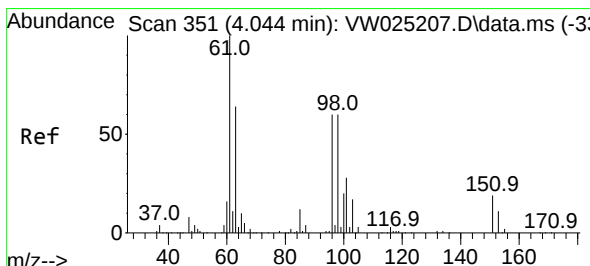
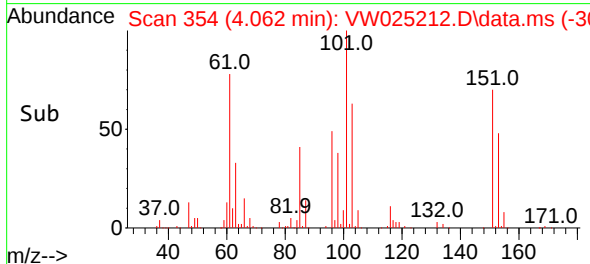
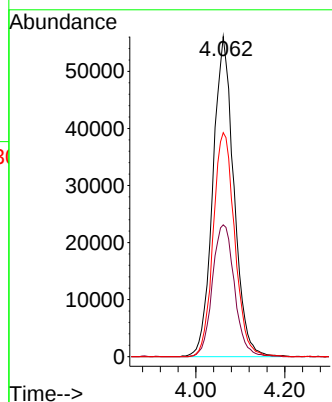
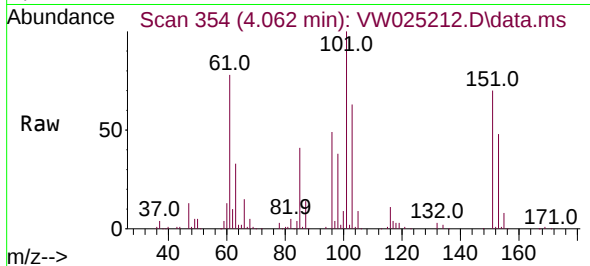




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.750 ug/L
 RT: 4.062 min Scan# 310
 Delta R.T. -0.006 min
 Lab File: VW025212.D
 Acq: 27 Dec 2022 12:13

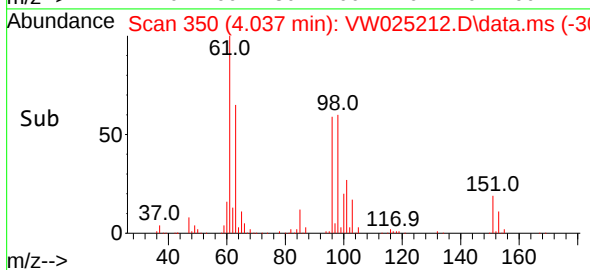
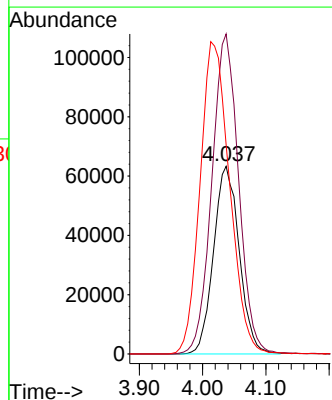
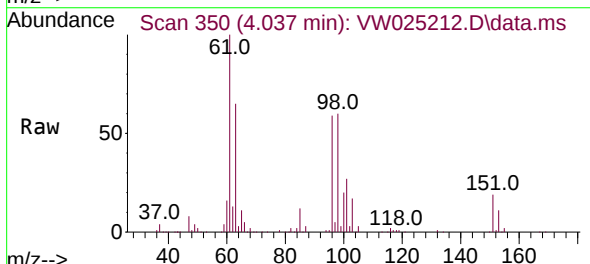
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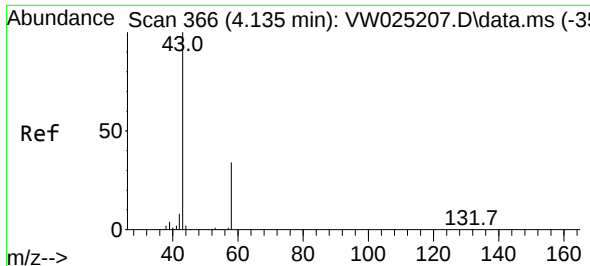
Tgt Ion:101 Resp: 183943
 Ion Ratio Lower Upper
 101 100
 85 43.2 34.6 52.0
 151 71.4 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 25.166 ug/L
 RT: 4.037 min Scan# 350
 Delta R.T. -0.006 min
 Lab File: VW025212.D
 Acq: 27 Dec 2022 12:13

Tgt Ion: 96 Resp: 178316
 Ion Ratio Lower Upper
 96 100
 61 170.5 120.8 224.4
 63 111.5 84.1 156.1





#13

Acetone

Concen: 42.405 ug/L

RT: 4.116 min Scan# 3

Delta R.T. -0.019 min

Lab File: VW025212.D

Acq: 27 Dec 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

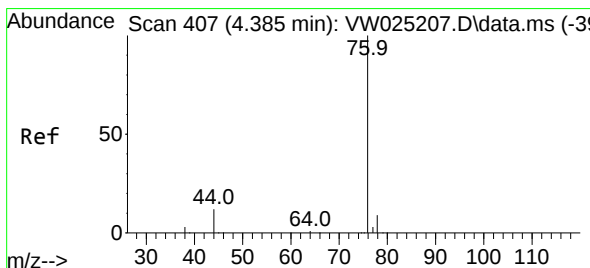
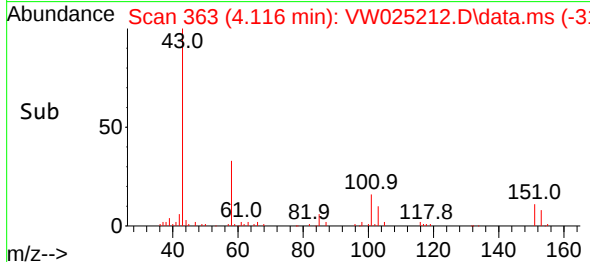
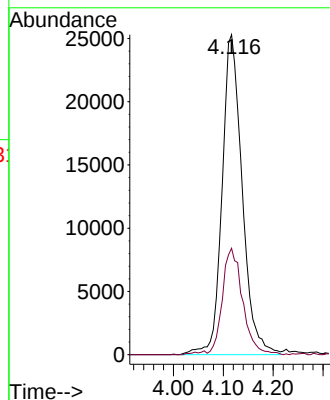
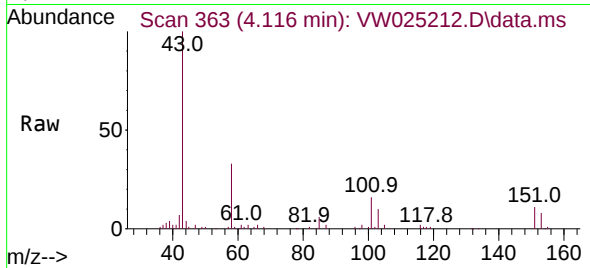
VSTD025519

Tgt Ion: 43 Resp: 70946

Ion Ratio Lower Upper

43 100

58 33.1 0.0 65.2



#14

Carbon disulfide

Concen: 23.149 ug/L

RT: 4.379 min Scan# 406

Delta R.T. -0.006 min

Lab File: VW025212.D

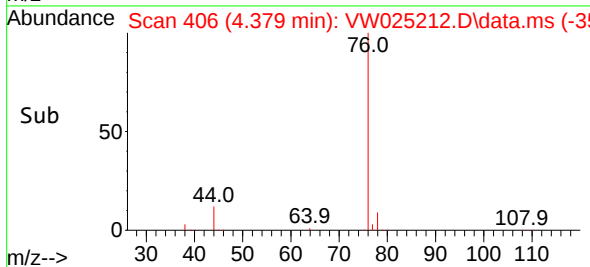
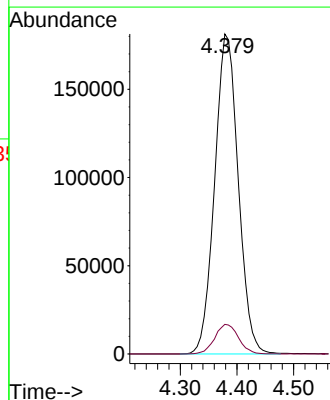
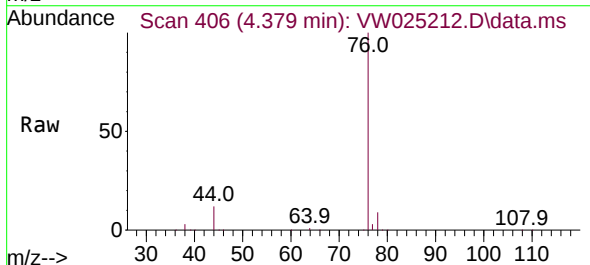
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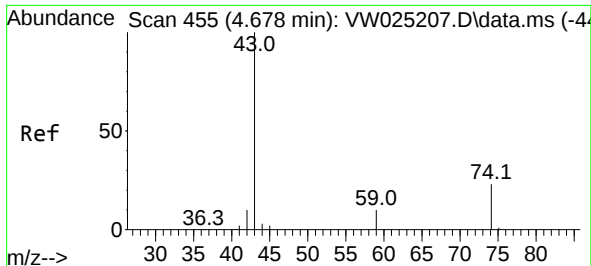
Tgt Ion: 76 Resp: 523639

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

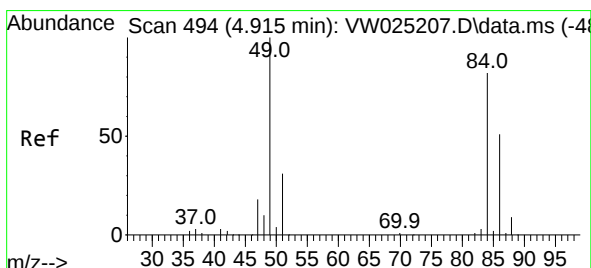
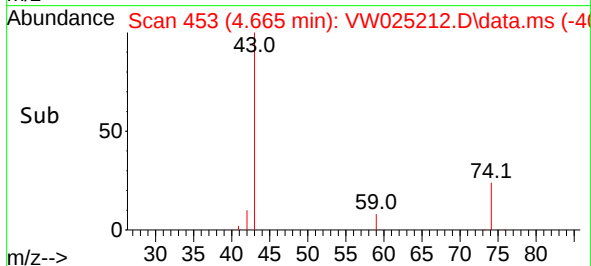
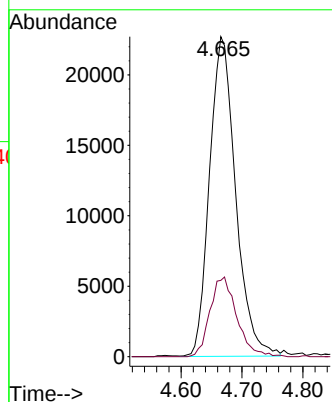
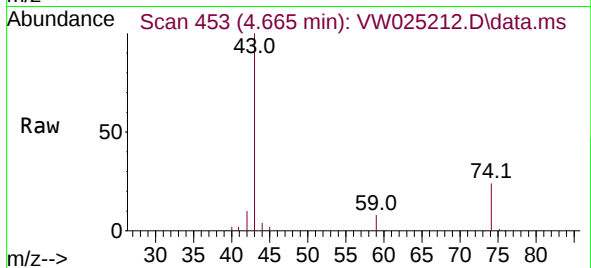




#15
Methyl Acetate
Concen: 24.780 ug/L
RT: 4.665 min Scan# 41
Delta R.T. -0.013 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

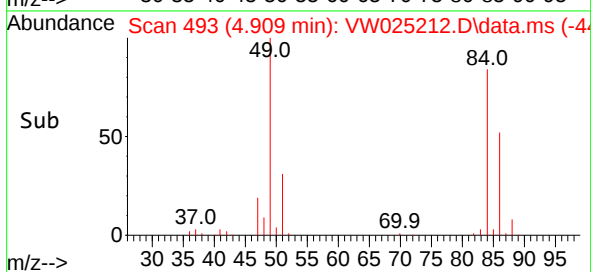
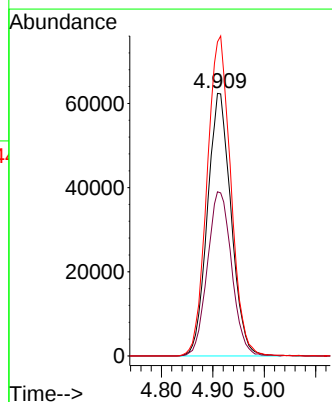
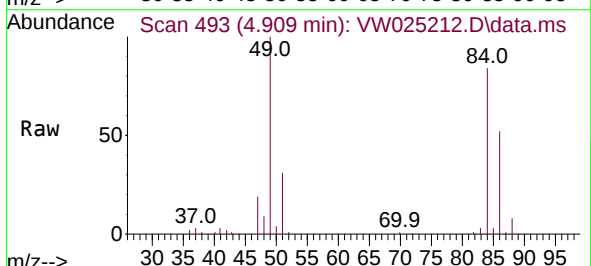
Instrument :
MSVOA_W
ClientSampleId :
VSTD025519

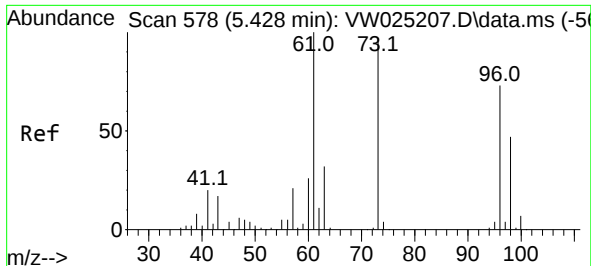
Tgt Ion: 43 Resp: 67668
Ion Ratio Lower Upper
43 100
74 25.4 19.5 29.3



#16
Methylene chloride
Concen: 22.622 ug/L
RT: 4.909 min Scan# 493
Delta R.T. -0.006 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

Tgt Ion: 84 Resp: 198848
Ion Ratio Lower Upper
84 100
86 62.5 45.0 83.6
49 119.6 86.3 160.3





#17

trans-1,2-Dichloroethene

Concen: 25.332 ug/L

RT: 5.421 min Scan# 5

Delta R.T. -0.006 min

Lab File: VW025212.D

Acq: 27 Dec 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD025519

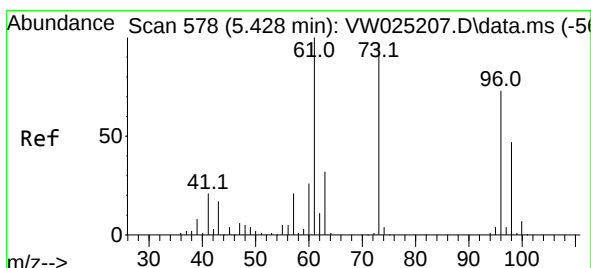
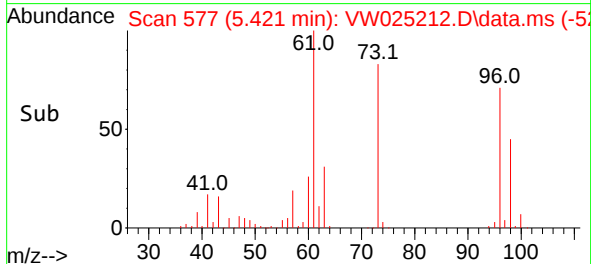
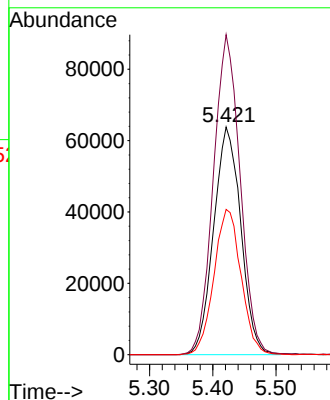
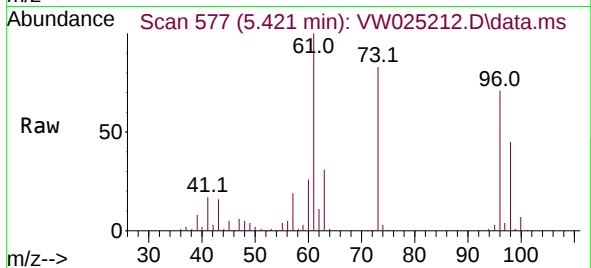
Tgt Ion: 96 Resp: 190278

Ion Ratio Lower Upper

96 100

61 140.5 95.5 177.3

98 63.8 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 23.935 ug/L

RT: 5.427 min Scan# 578

Delta R.T. -0.000 min

Lab File: VW025212.D

Acq: 27 Dec 2022 12:13

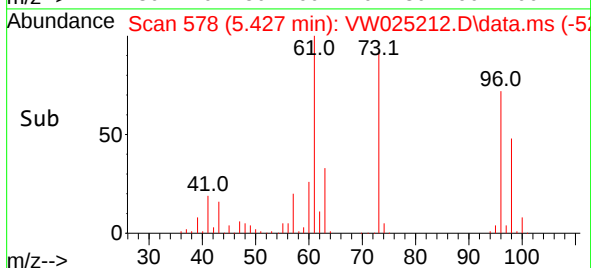
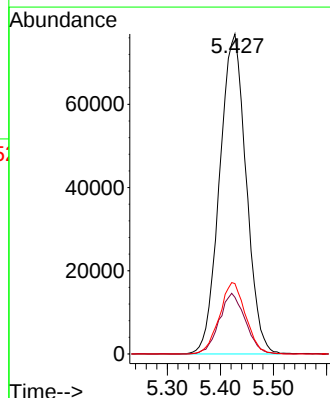
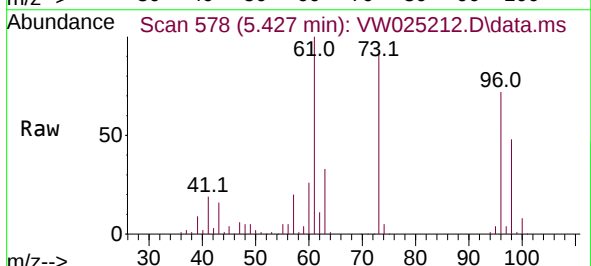
Tgt Ion: 73 Resp: 266767

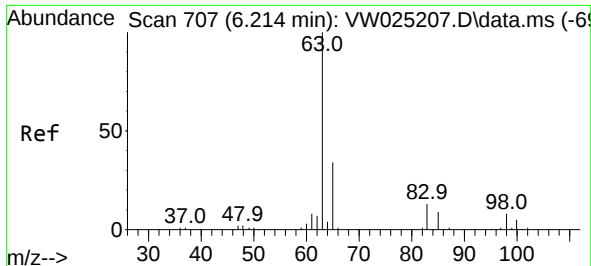
Ion Ratio Lower Upper

73 100

43 18.7 15.6 23.4

57 22.0 17.5 26.3

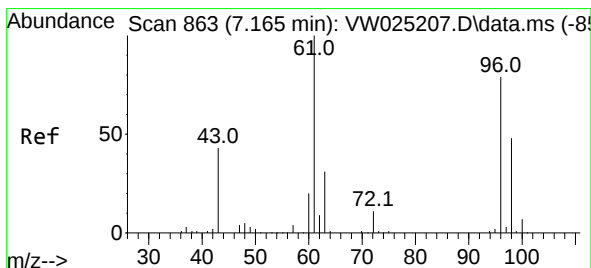
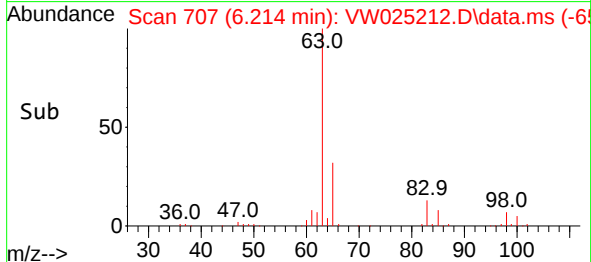
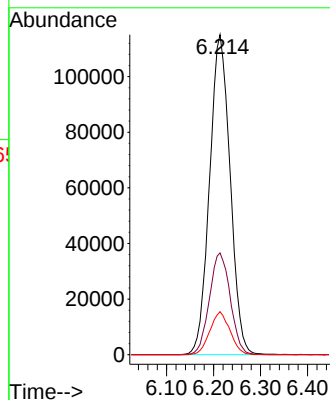
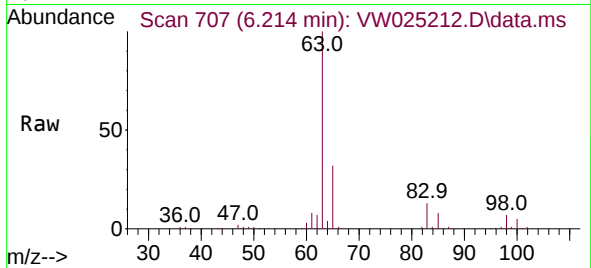




#19
 1,1-Dichloroethane
 Concen: 25.742 ug/L
 RT: 6.214 min Scan# 707
 Delta R.T. -0.000 min
 Lab File: VW025212.D
 Acq: 27 Dec 2022 12:13

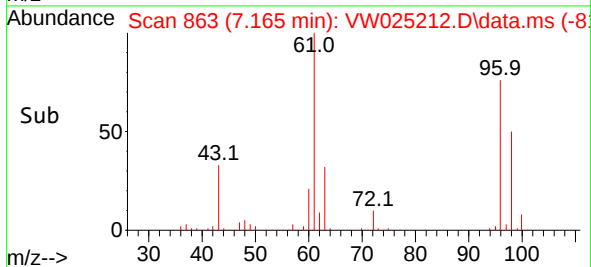
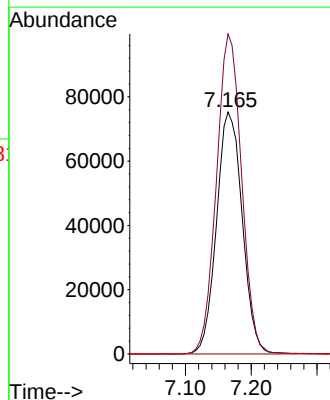
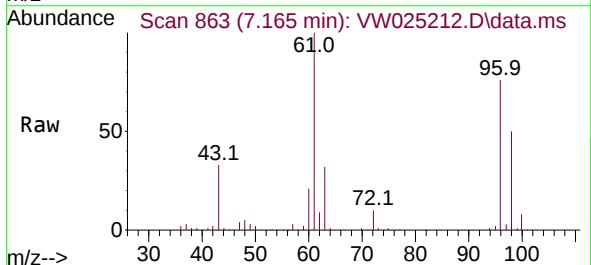
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025519

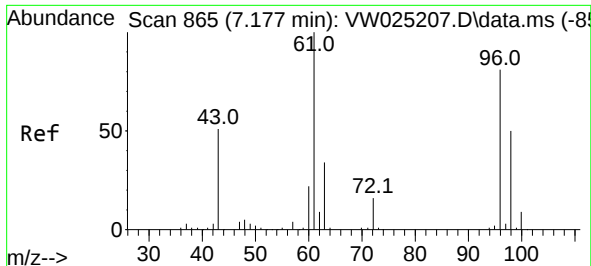
Tgt Ion: 63 Resp: 349382
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.2 41.2
 83 13.4 9.4 17.6



#20
 cis-1,2-Dichloroethene
 Concen: 25.803 ug/L
 RT: 7.165 min Scan# 863
 Delta R.T. -0.000 min
 Lab File: VW025212.D
 Acq: 27 Dec 2022 12:13

Tgt Ion: 96 Resp: 204943
 Ion Ratio Lower Upper
 96 100
 61 132.3 93.7 173.9
 68 0.0 0.0 0.0

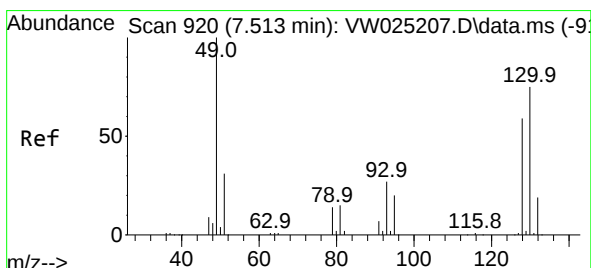
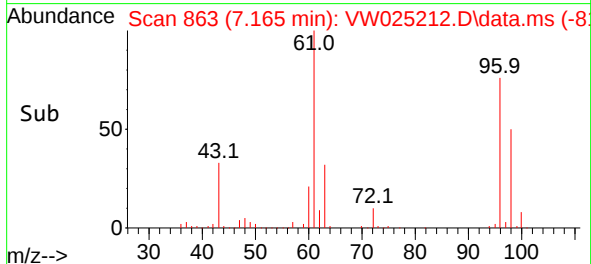
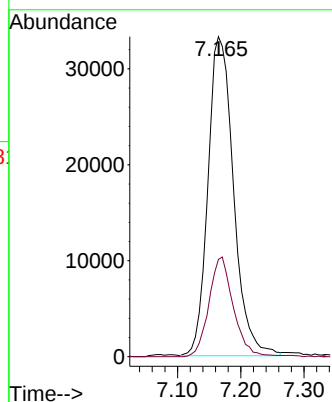
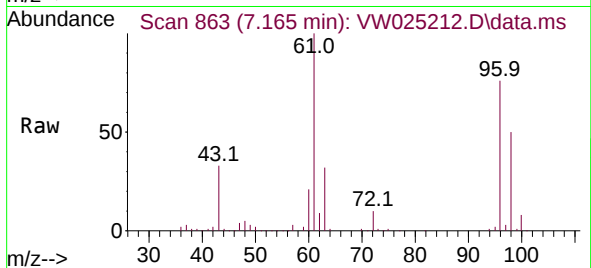




#22
2-Butanone
Concen: 44.352 ug/L
RT: 7.165 min Scan# 863
Delta R.T. -0.013 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

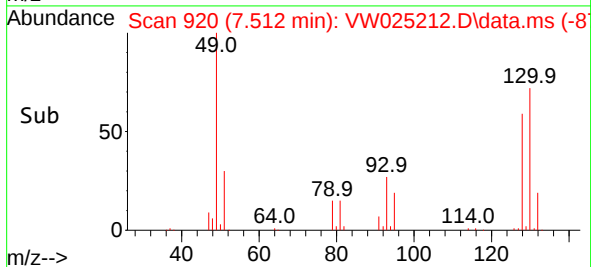
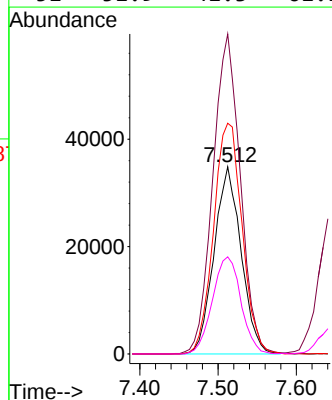
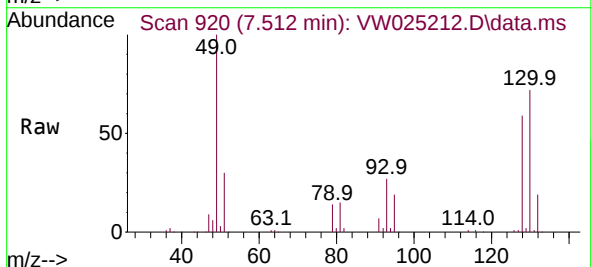
Instrument :
MSVOA_W
ClientSampleId :
VSTD025519

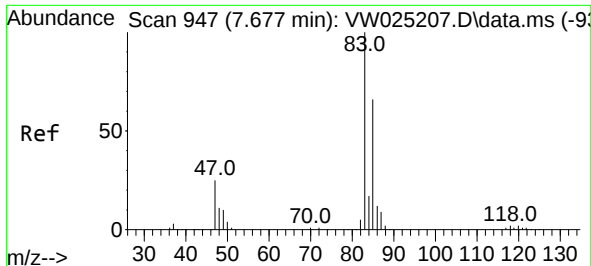
Tgt Ion: 43 Resp: 93354
Ion Ratio Lower Upper
43 100
72 29.8 15.0 45.0



#23
Bromochloromethane
Concen: 24.892 ug/L
RT: 7.512 min Scan# 920
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

Tgt Ion: 128 Resp: 83661
Ion Ratio Lower Upper
128 100
49 170.9 114.1 211.9
130 123.2 89.0 165.2
51 51.9 41.3 61.9

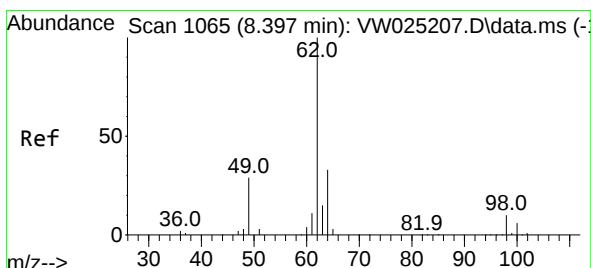
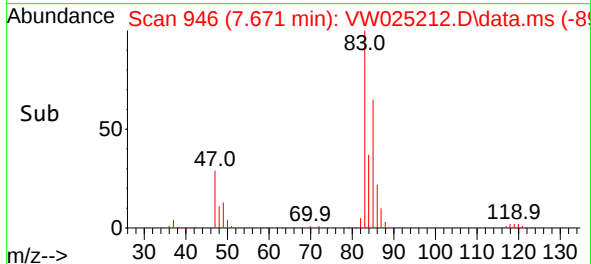
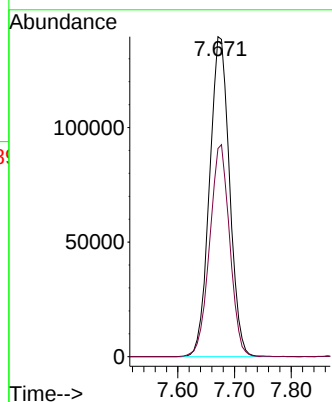
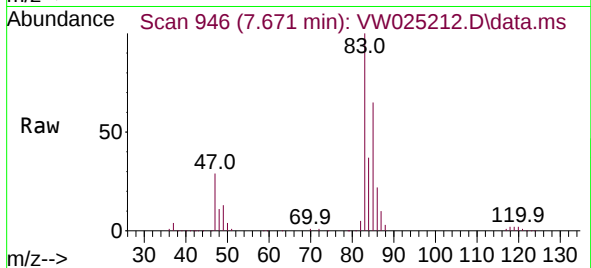




#25
Chloroform
Concen: 24.873 ug/L
RT: 7.671 min Scan# 947
Delta R.T. -0.006 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

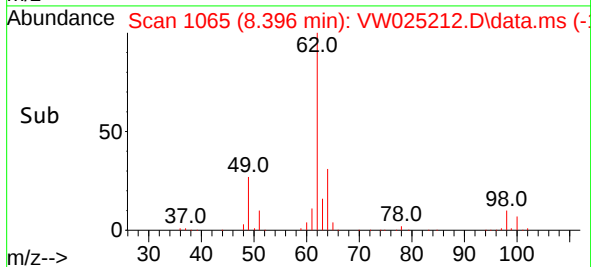
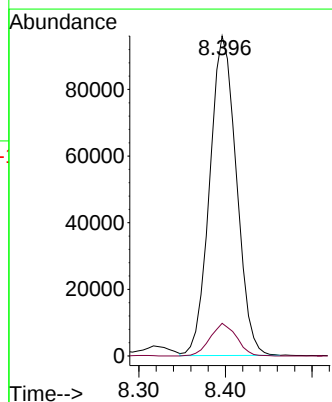
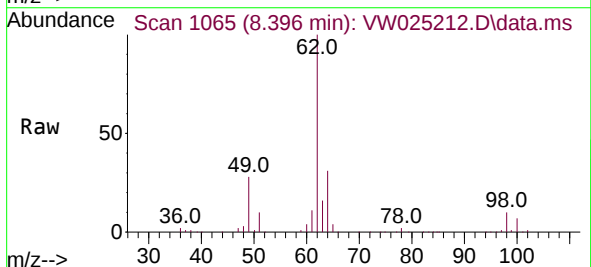
Instrument :
MSVOA_W
ClientSampleId :
VSTD025519

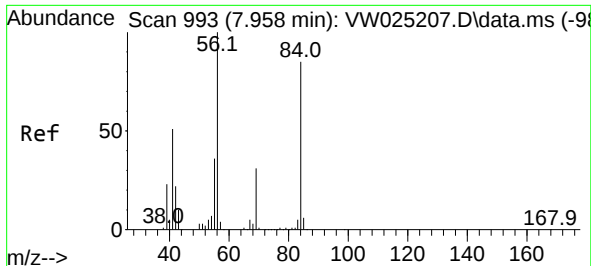
Tgt Ion: 83 Resp: 341620
Ion Ratio Lower Upper
83 100
85 65.1 45.4 84.2



#27
1,2-Dichloroethane
Concen: 23.767 ug/L
RT: 8.396 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

Tgt Ion: 62 Resp: 205524
Ion Ratio Lower Upper
62 100
98 10.2 7.8 11.8





#29

Cyclohexane

Concen: 26.723 ug/L

RT: 7.951 min Scan# 993

Delta R.T. -0.006 min

Lab File: VW025212.D

Acq: 27 Dec 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD025519

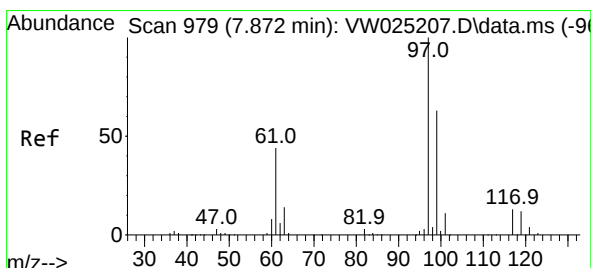
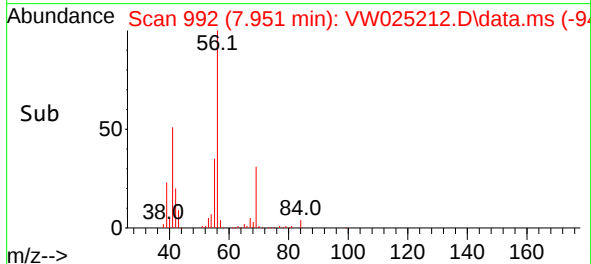
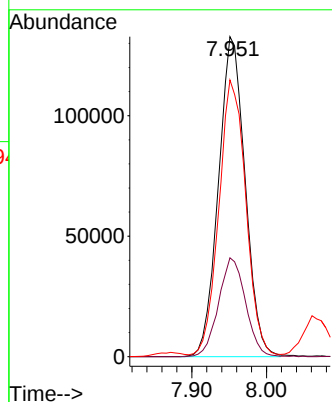
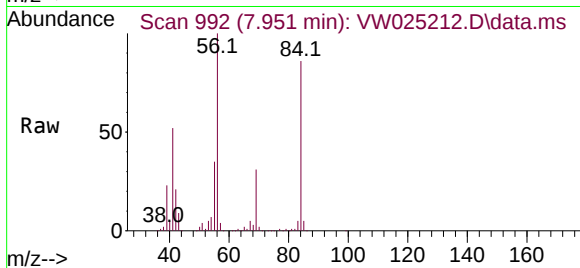
Tgt Ion: 56 Resp: 329652

Ion Ratio Lower Upper

56 100

69 31.3 25.0 37.6

84 87.9 70.9 106.3



#30

1,1,1-Trichloroethane

Concen: 24.718 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.000 min

Lab File: VW025212.D

Acq: 27 Dec 2022 12:13

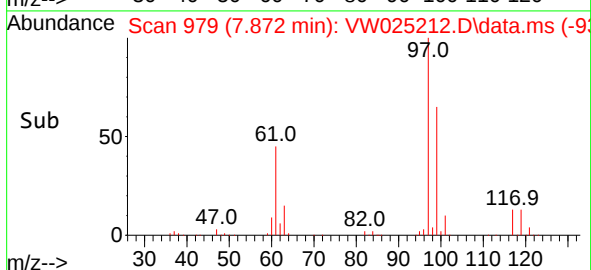
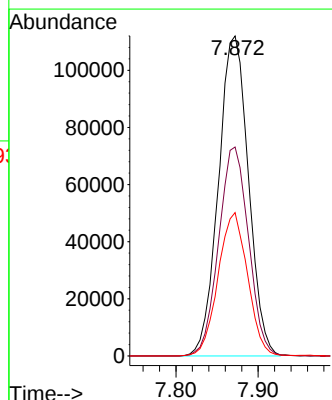
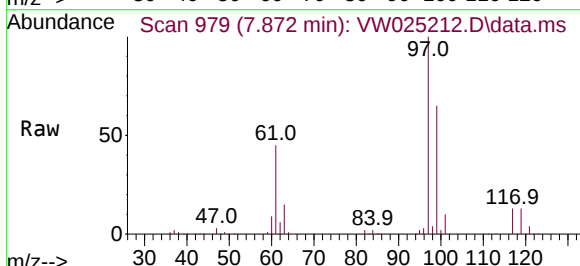
Tgt Ion: 97 Resp: 284245

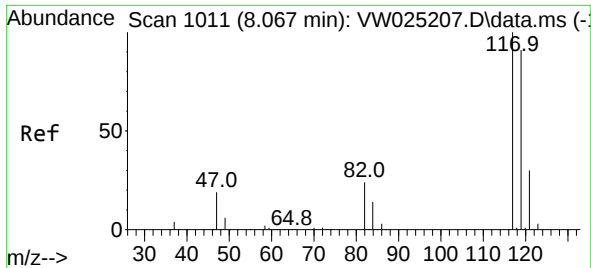
Ion Ratio Lower Upper

97 100

99 65.0 50.9 76.3

61 44.0 35.5 53.3

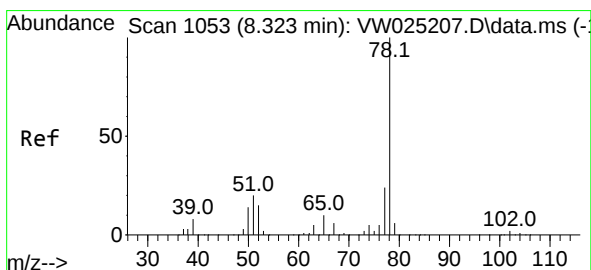
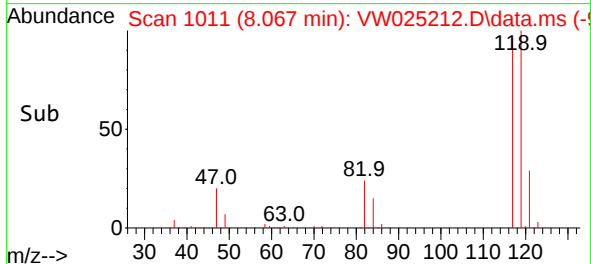
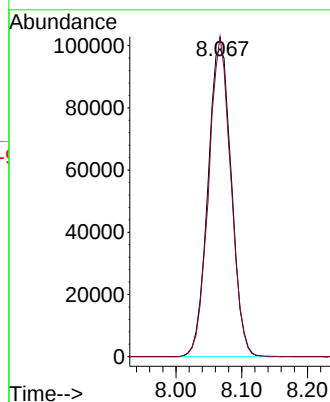
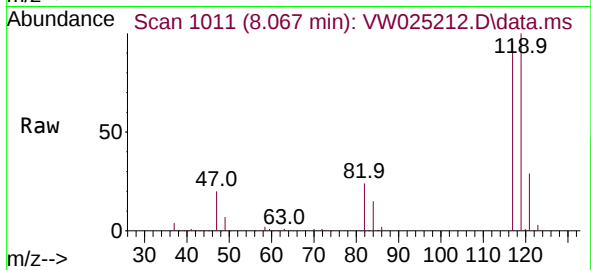




#31
Carbon tetrachloride
Concen: 23.574 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

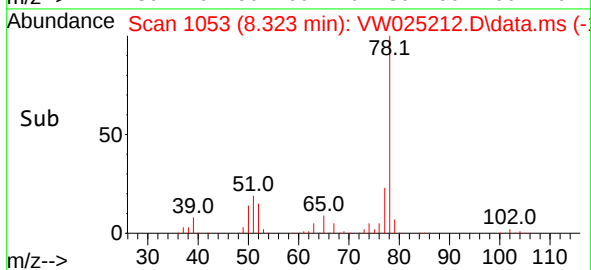
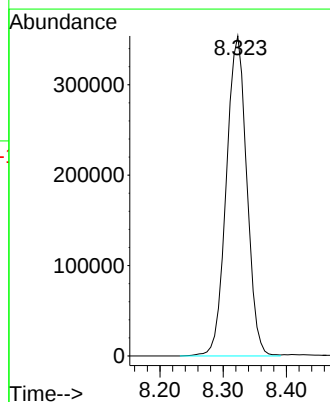
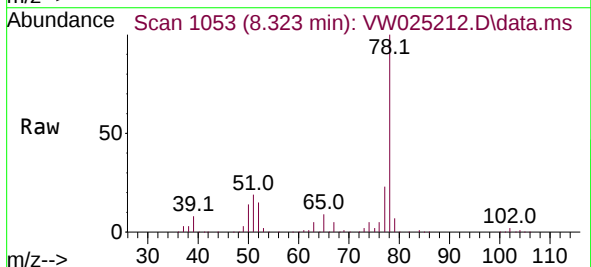
Instrument :
MSVOA_W
ClientSampleId :
VSTD025519

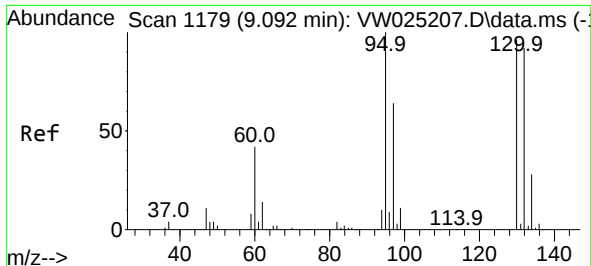
Tgt Ion:117 Resp: 249263
Ion Ratio Lower Upper
117 100
119 96.8 77.0 115.4



#33
Benzene
Concen: 26.339 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

Tgt Ion: 78 Resp: 794853

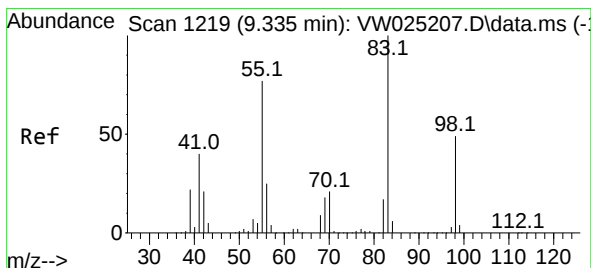
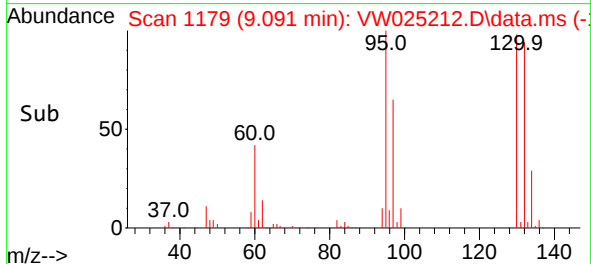
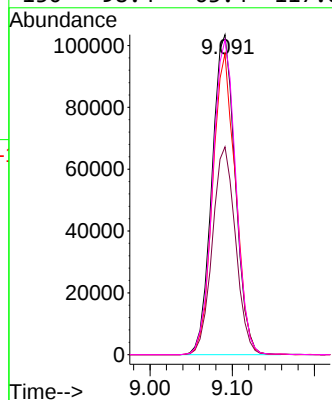
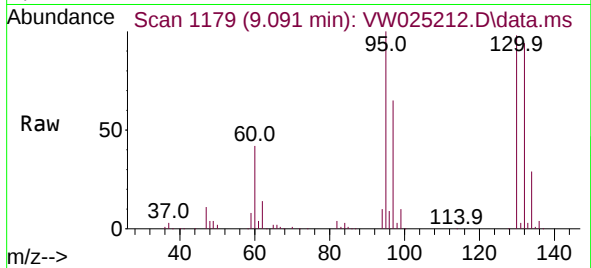




#34
Trichloroethene
Concen: 25.776 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

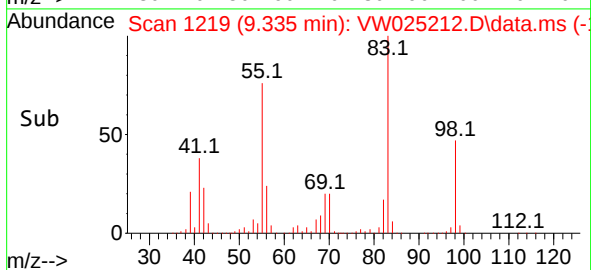
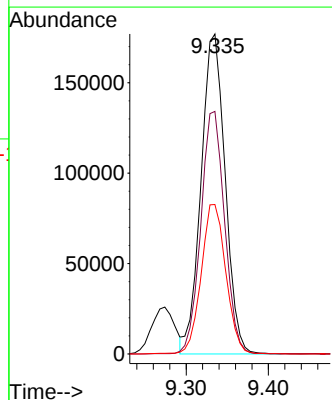
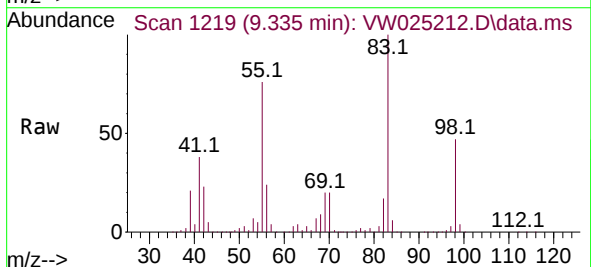
Instrument :
MSVOA_W
ClientSampleId :
VSTD025519

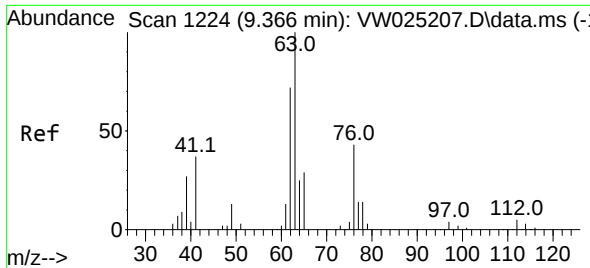
Tgt Ion: 95 Resp: 203759
Ion Ratio Lower Upper
95 100
97 64.9 44.3 82.3
132 94.1 63.0 117.0
130 98.4 63.4 117.8



#35
Methylcyclohexane
Concen: 25.778 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

Tgt Ion: 83 Resp: 361444
Ion Ratio Lower Upper
83 100
55 74.2 59.3 88.9
98 47.7 38.6 57.8

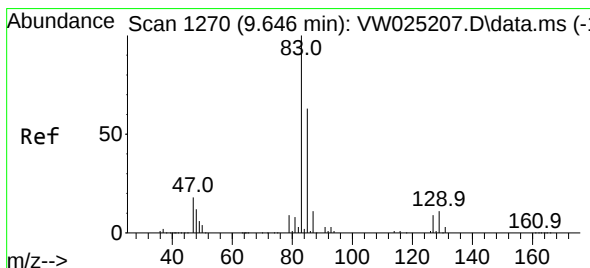
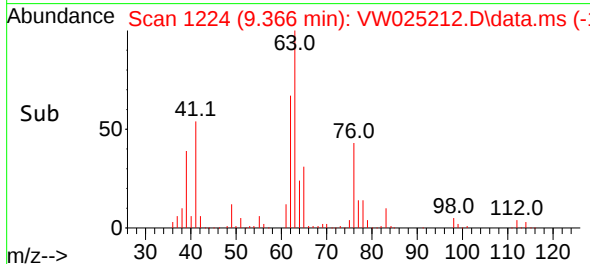
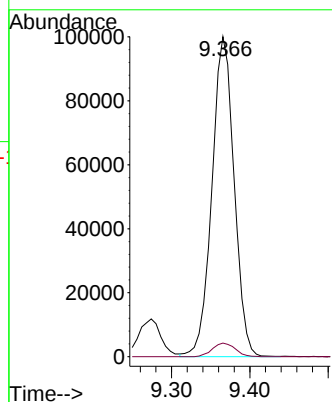
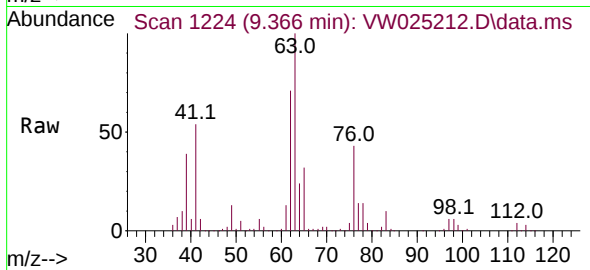




#37
1,2-Dichloropropane
Concen: 27.078 ug/L
RT: 9.366 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

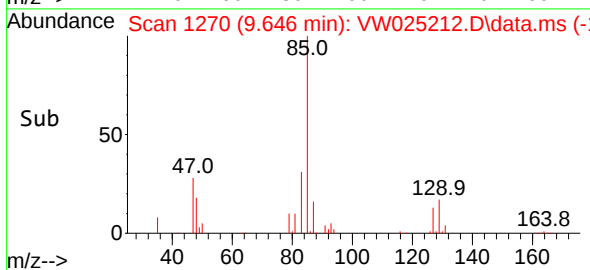
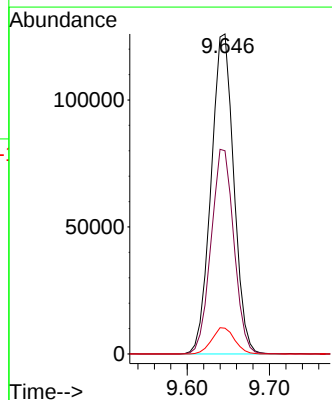
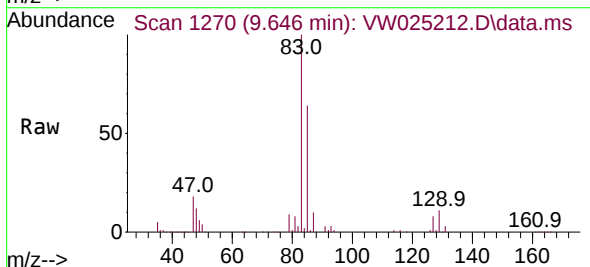
Instrument :
MSVOA_W
ClientSampleId :
VSTD025519

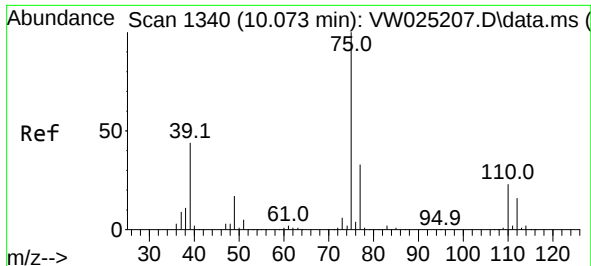
Tgt Ion: 63 Resp: 197093
Ion Ratio Lower Upper
63 100
112 4.4 3.4 5.2



#38
Bromodichloromethane
Concen: 25.126 ug/L
RT: 9.646 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

Tgt Ion: 83 Resp: 241601
Ion Ratio Lower Upper
83 100
85 63.5 44.2 82.2
127 8.1 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 26.532 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025212.D

Acq: 27 Dec 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

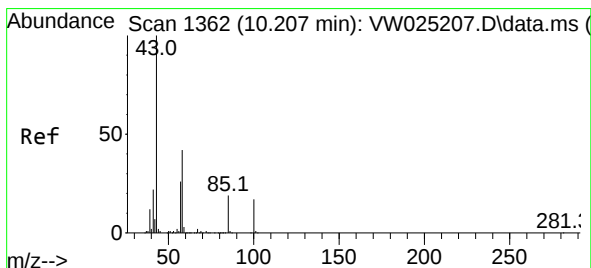
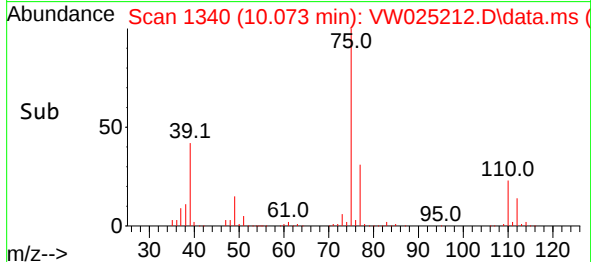
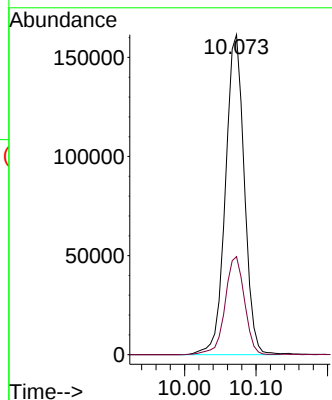
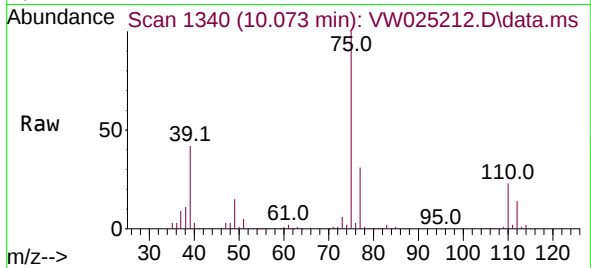
VSTD025519

Tgt Ion: 75 Resp: 295076

Ion Ratio Lower Upper

75 100

77 30.6 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 51.948 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW025212.D

Acq: 27 Dec 2022 12:13

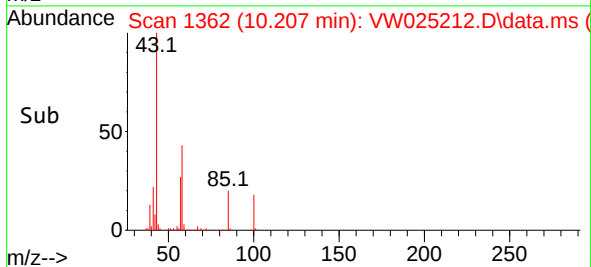
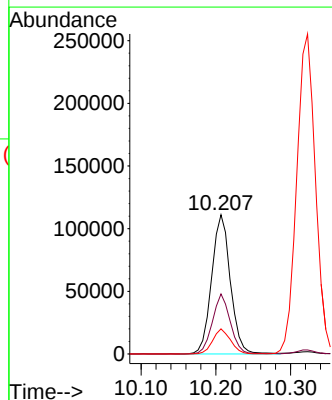
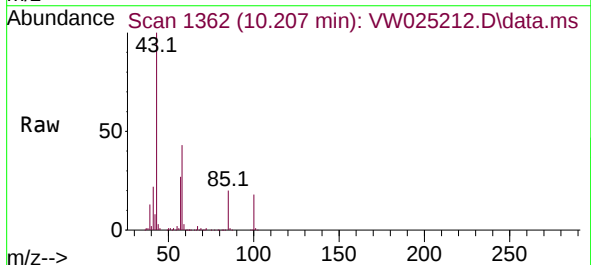
Tgt Ion: 43 Resp: 193831

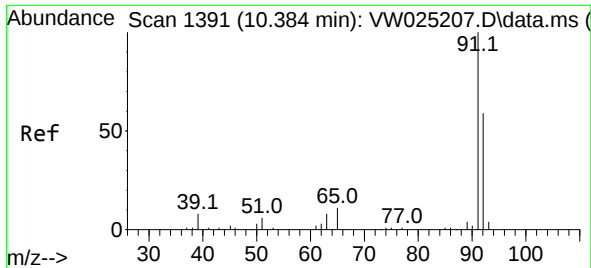
Ion Ratio Lower Upper

43 100

58 41.1 33.3 49.9

100 17.0 13.8 20.6

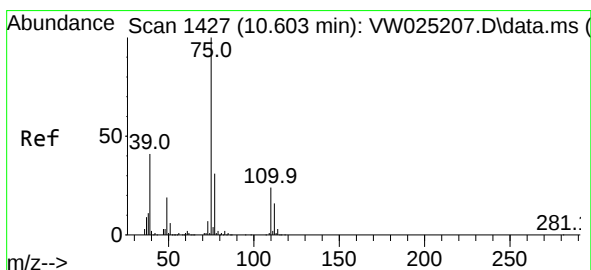
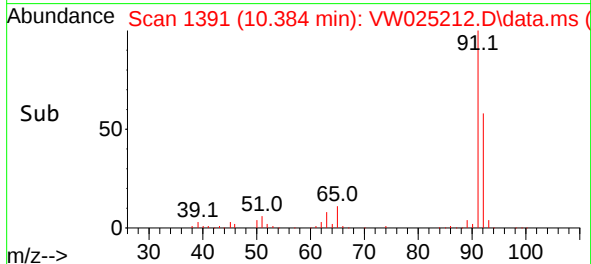
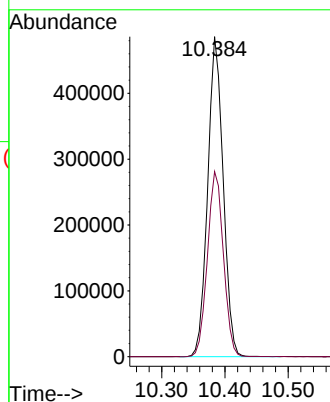
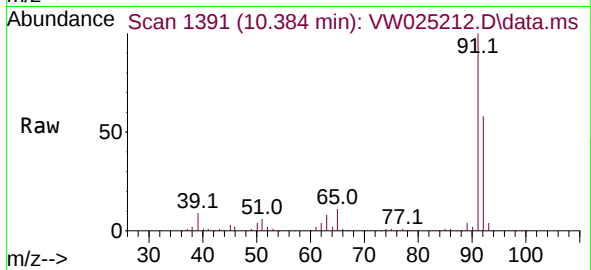




#42
Toluene
Concen: 26.133 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

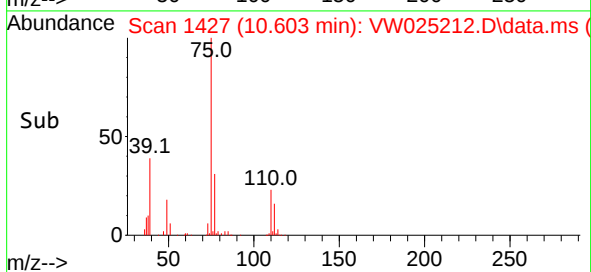
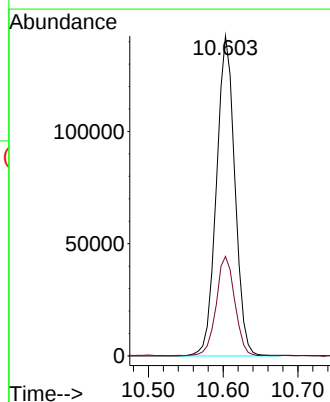
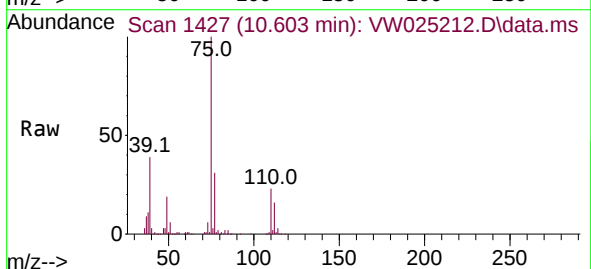
Instrument :
MSVOA_W
ClientSampleId :
VSTD025519

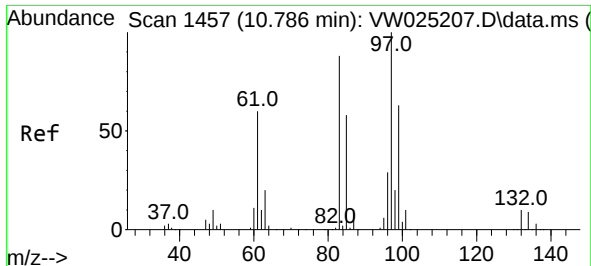
Tgt Ion: 91 Resp: 826308
Ion Ratio Lower Upper
91 100
92 57.8 41.2 76.4



#44
trans-1,3-Dichloropropene
Concen: 25.645 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

Tgt Ion: 75 Resp: 244257
Ion Ratio Lower Upper
75 100
77 31.1 22.5 41.7



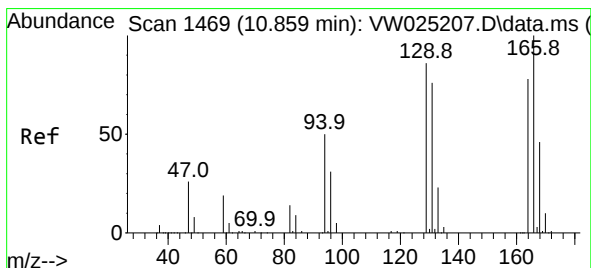
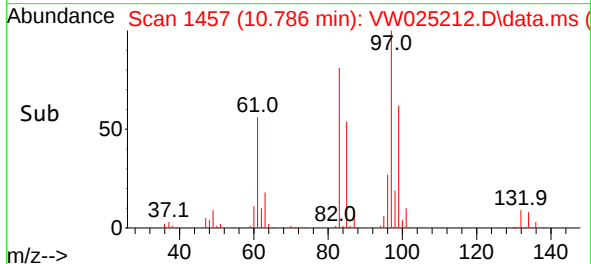
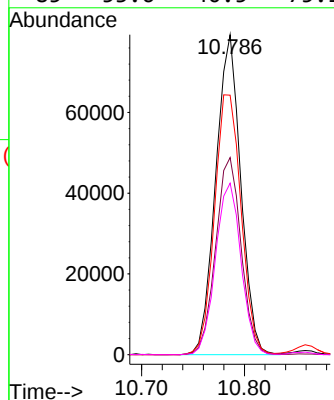
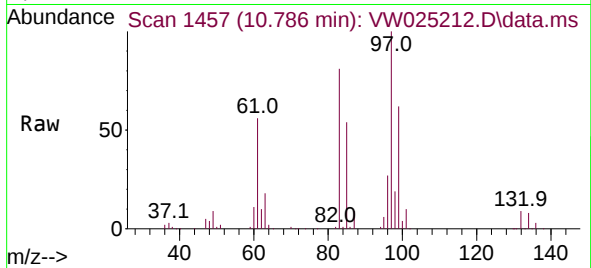


#45
1,1,2-Trichloroethane
Concen: 25.839 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTD025519

Tgt Ion: 97 Resp: 134216

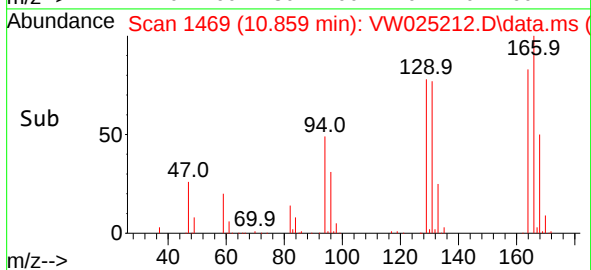
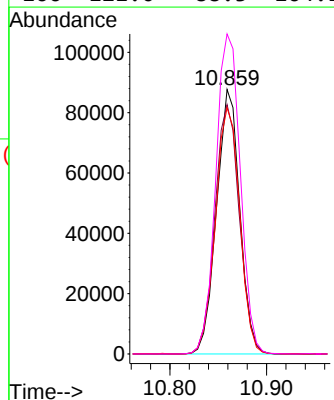
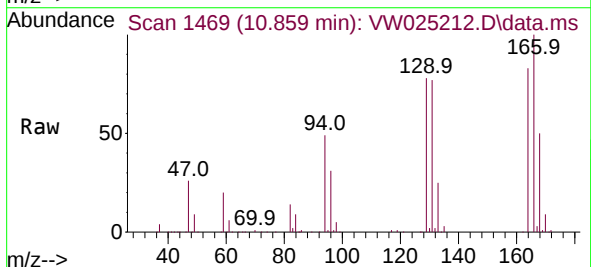
Ion	Ratio	Lower	Upper
97	100		
99	61.6	44.3	82.3
83	81.1	61.3	113.9
85	53.6	40.5	75.1

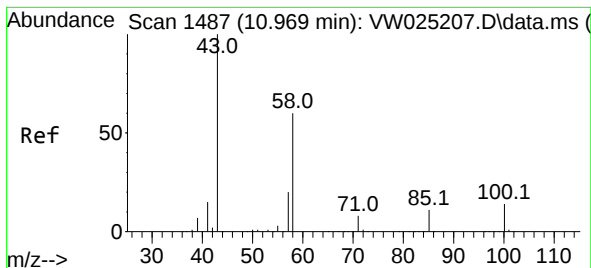


#46
Tetrachloroethene
Concen: 25.387 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

Tgt Ion: 164 Resp: 146088

Ion	Ratio	Lower	Upper
164	100		
129	94.3	73.4	136.4
131	93.1	70.8	131.4
166	121.0	88.3	164.1





#48

2-Hexanone

Concen: 49.056 ug/L

RT: 10.963 min Scan# 1486

Delta R.T. -0.006 min

Lab File: VW025212.D

Acq: 27 Dec 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD025519

Tgt Ion: 43 Resp: 133696

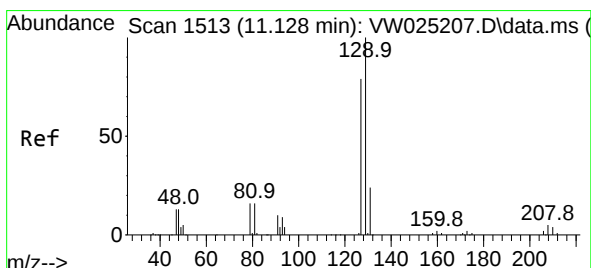
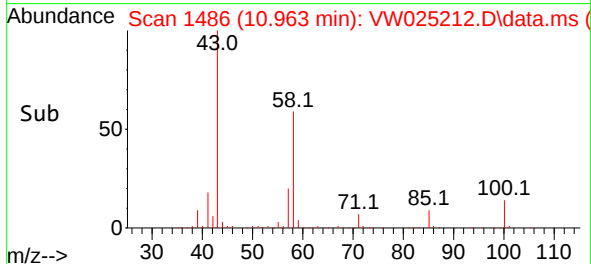
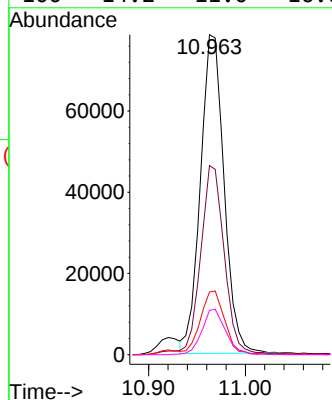
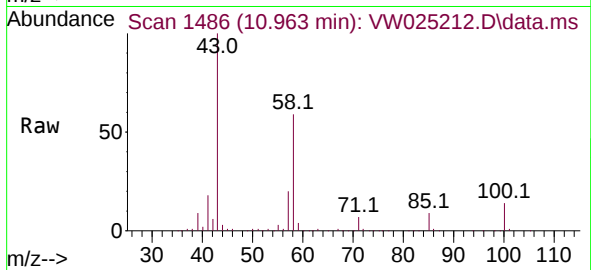
Ion Ratio Lower Upper

43 100

58 57.9 46.6 69.8

57 20.6 16.7 25.1

100 14.2 11.0 16.6



#49

Dibromochloromethane

Concen: 24.777 ug/L

RT: 11.127 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VW025212.D

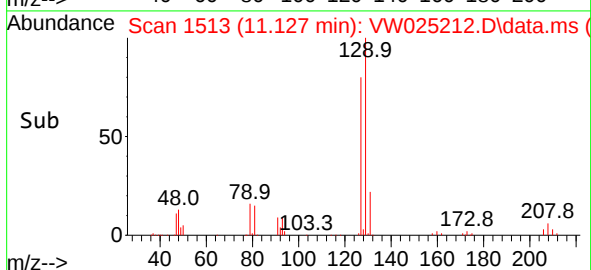
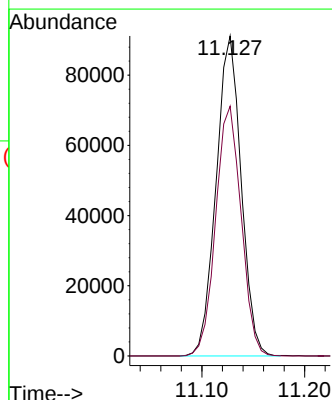
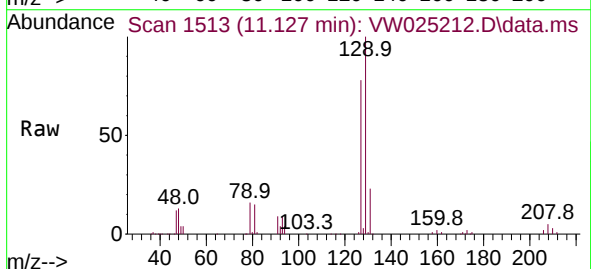
Acq: 27 Dec 2022 12:13

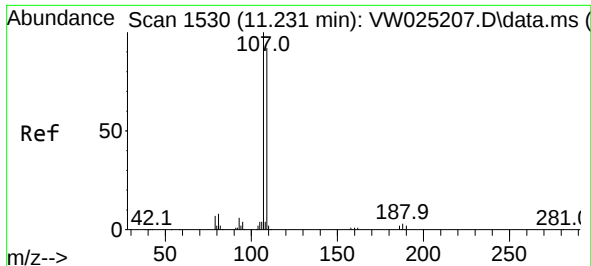
Tgt Ion:129 Resp: 154563

Ion Ratio Lower Upper

129 100

127 78.0 49.7 92.3





#50

1,2-Dibromoethane

Concen: 25.788 ug/L

RT: 11.231 min Scan# 1530

Delta R.T. -0.000 min

Lab File: VW025212.D

Acq: 27 Dec 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD025519

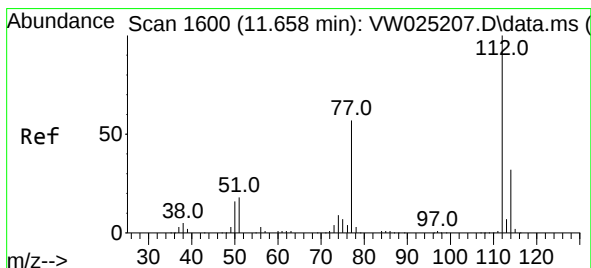
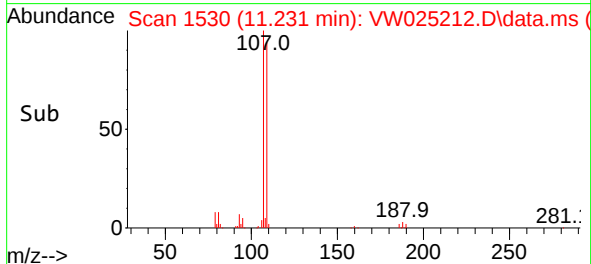
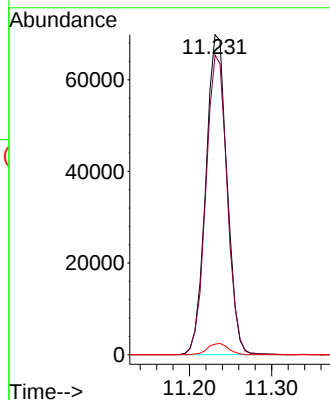
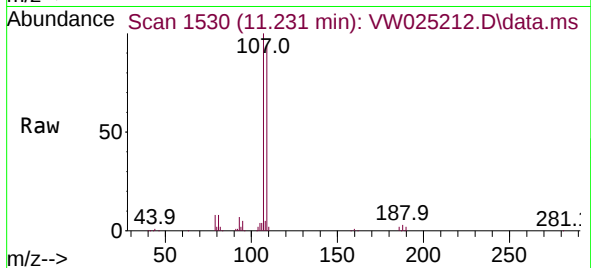
Tgt Ion:107 Resp: 124713

Ion Ratio Lower Upper

107 100

109 93.6 66.8 124.2

188 3.3 2.9 4.3



#51

Chlorobenzene

Concen: 25.924 ug/L

RT: 11.652 min Scan# 1599

Delta R.T. -0.006 min

Lab File: VW025212.D

Acq: 27 Dec 2022 12:13

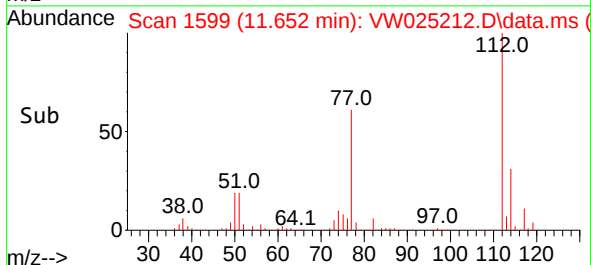
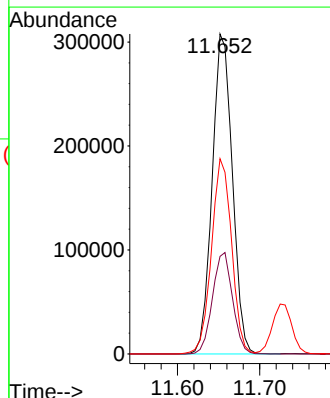
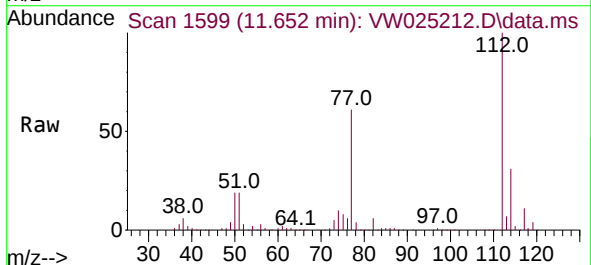
Tgt Ion:112 Resp: 524591

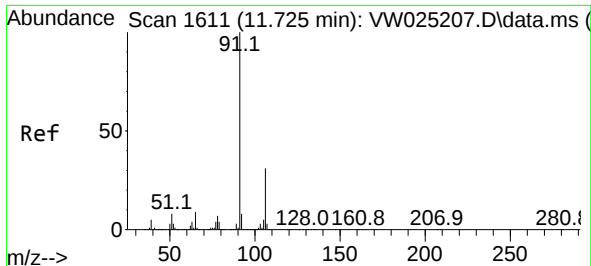
Ion Ratio Lower Upper

112 100

114 30.5 23.2 43.2

77 61.0 47.2 70.8

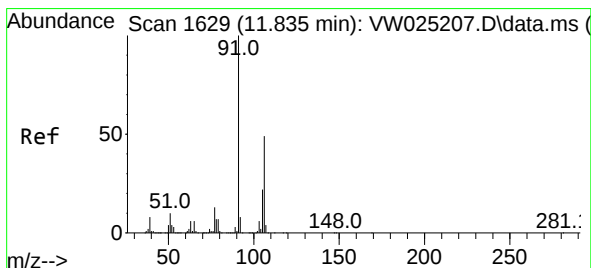
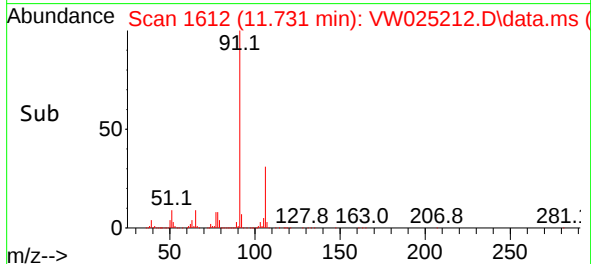
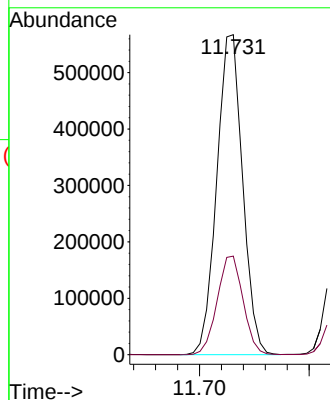
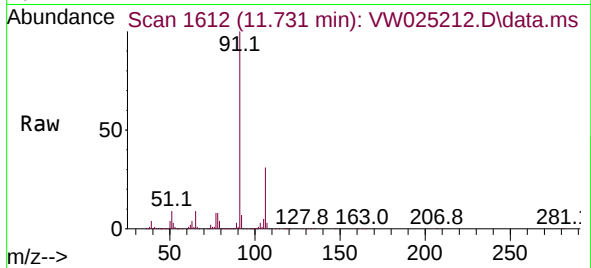




#52
Ethylbenzene
Concen: 25.907 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

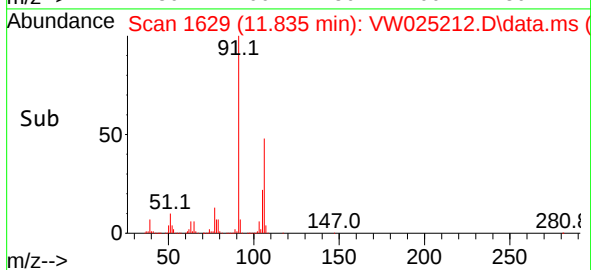
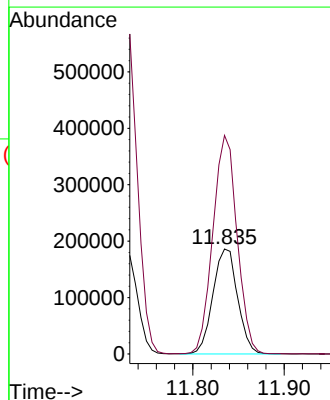
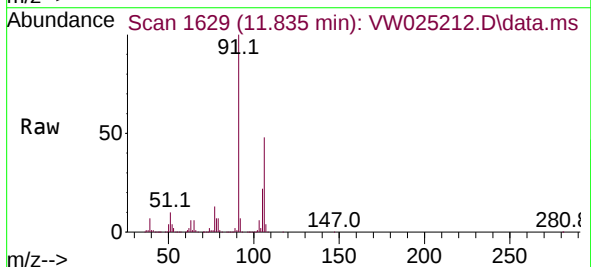
Instrument :
MSVOA_W
ClientSampleId :
VSTD025519

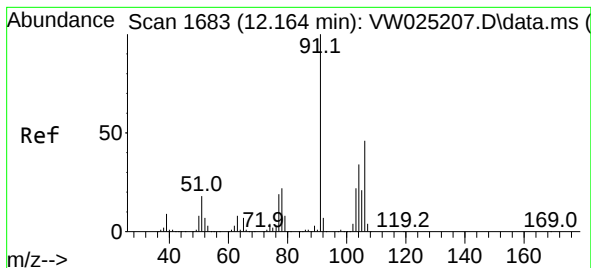
Tgt Ion: 91 Resp: 928317
Ion Ratio Lower Upper
91 100
106 30.8 21.9 40.7



#53
m,p-Xylene
Concen: 25.494 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

Tgt Ion:106 Resp: 348858
Ion Ratio Lower Upper
106 100
91 208.4 139.7 259.4





#54

o-Xylene

Concen: 22.770 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025212.D

Acq: 27 Dec 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

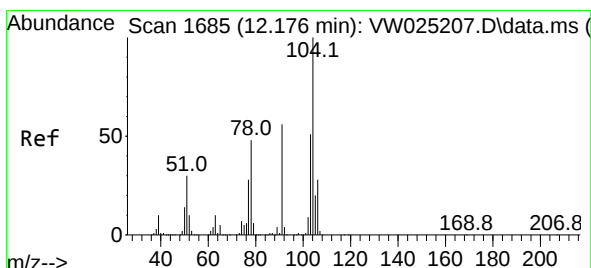
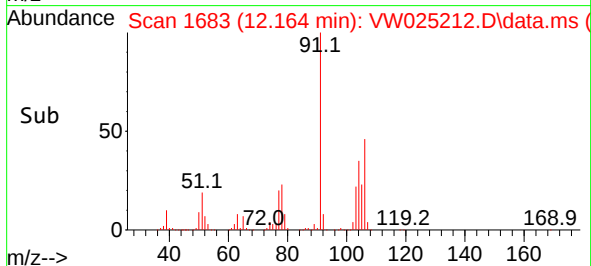
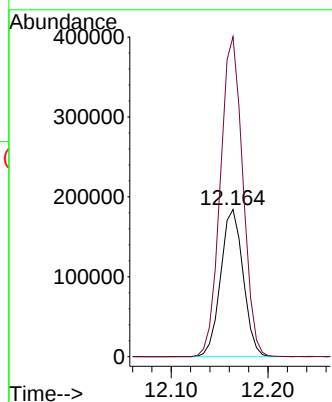
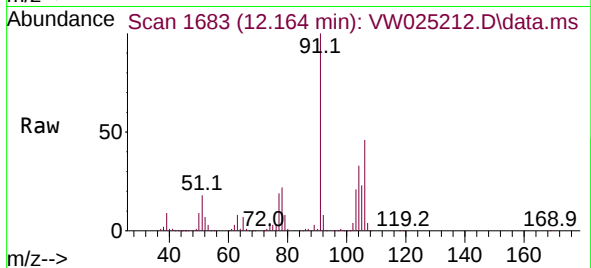
VSTD025519

Tgt Ion:106 Resp: 296956

Ion Ratio Lower Upper

106 100

91 217.3 148.8 276.4



#55

Styrene

Concen: 23.616 ug/L

RT: 12.176 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VW025212.D

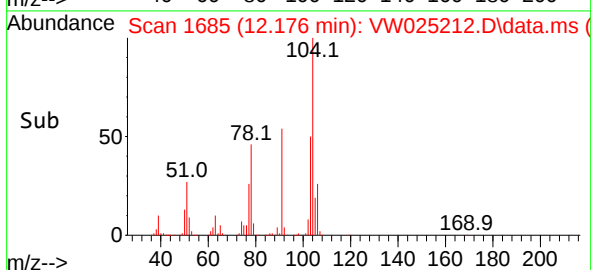
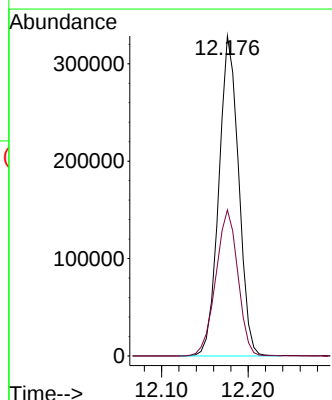
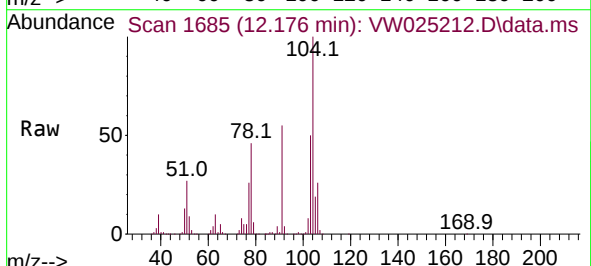
Acq: 27 Dec 2022 12:13

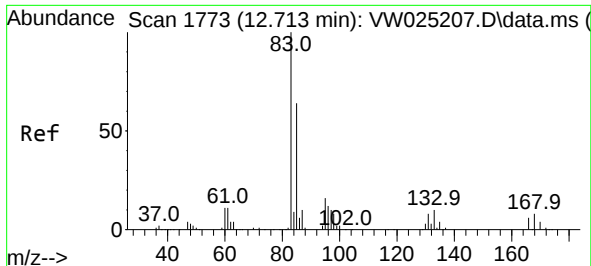
Tgt Ion:104 Resp: 521570

Ion Ratio Lower Upper

104 100

78 45.7 34.4 63.8





#57

1,1,2,2-Tetrachloroethane

Concen: 20.869 ug/L

RT: 12.712 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VW025212.D

Acq: 27 Dec 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD025519

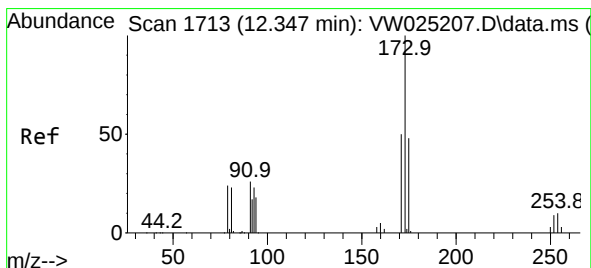
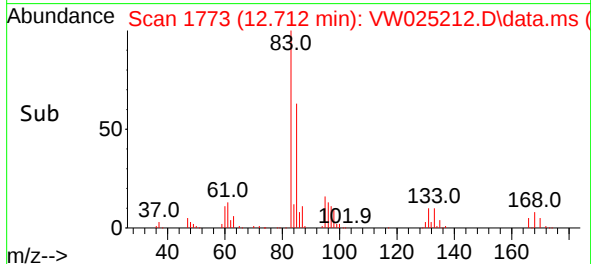
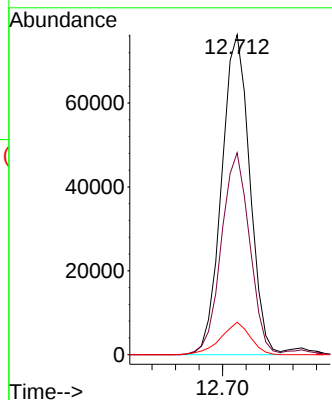
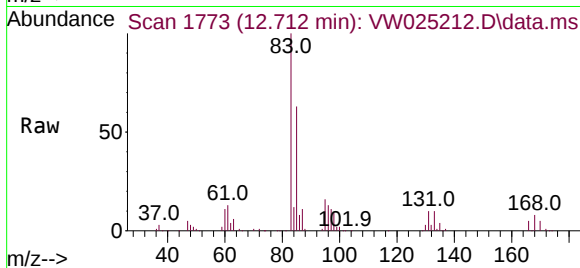
Tgt Ion: 83 Resp: 126772

Ion Ratio Lower Upper

83 100

85 63.1 46.8 87.0

131 10.2 8.2 12.2



#59

Bromoform

Concen: 22.503 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. -0.000 min

Lab File: VW025212.D

Acq: 27 Dec 2022 12:13

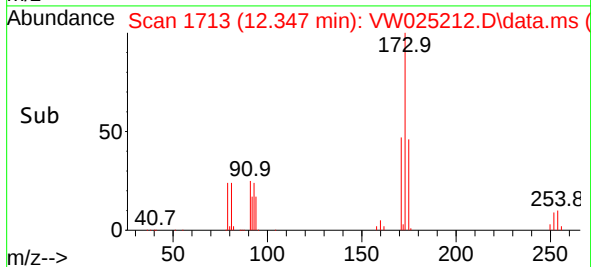
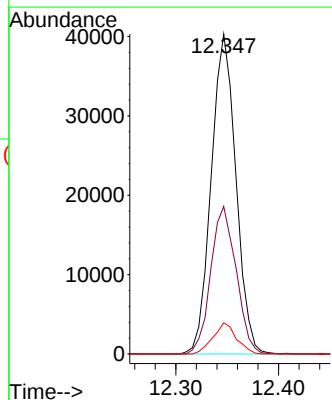
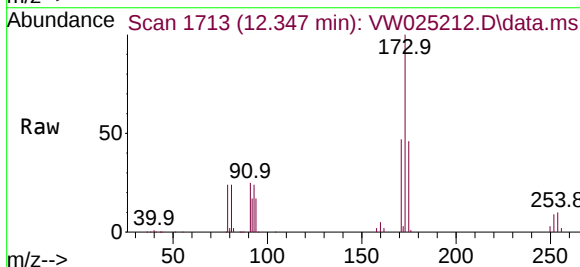
Tgt Ion:173 Resp: 67161

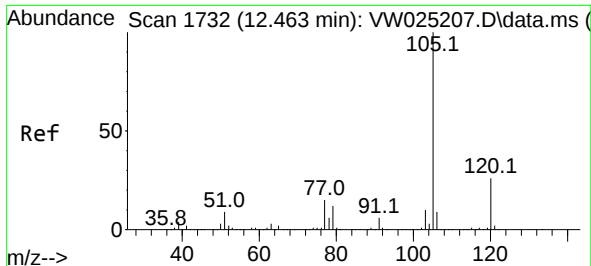
Ion Ratio Lower Upper

173 100

175 47.4 37.4 56.0

254 9.2 6.8 10.2

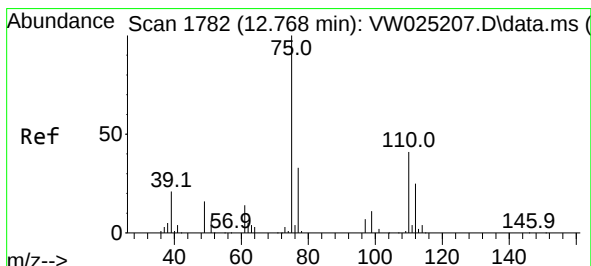
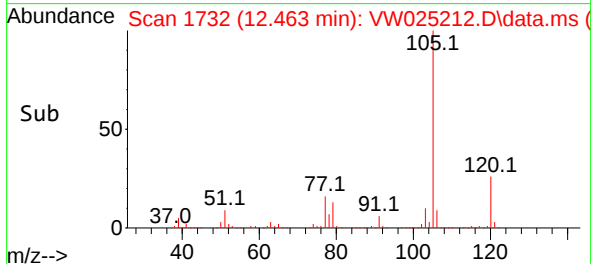
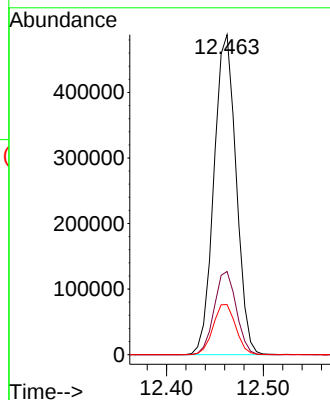
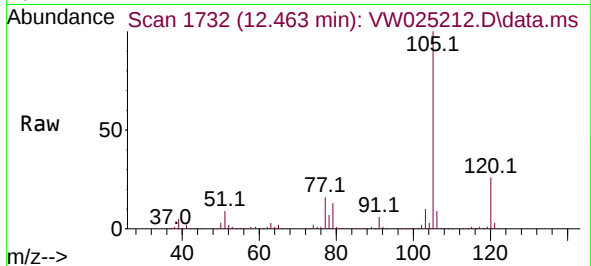




#60
Isopropylbenzene
Concen: 23.362 ug/L
RT: 12.463 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

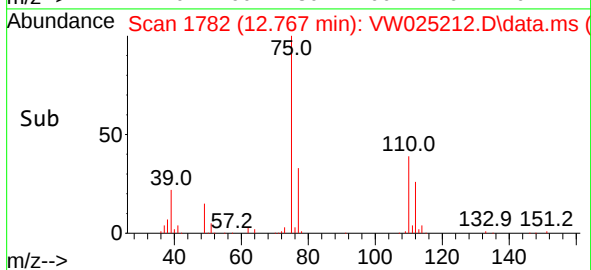
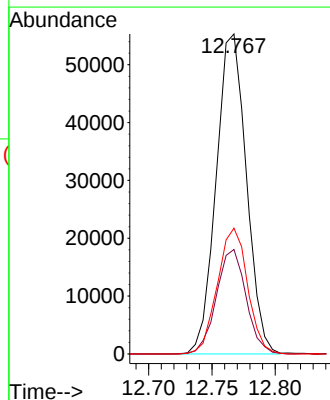
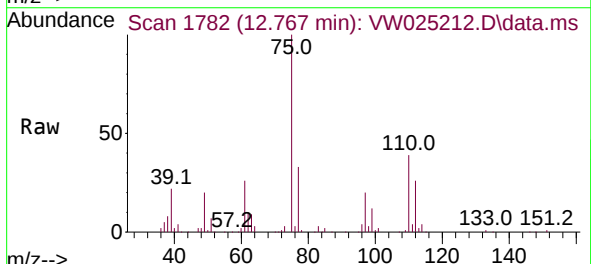
Instrument :
MSVOA_W
ClientSampleId :
VSTD025519

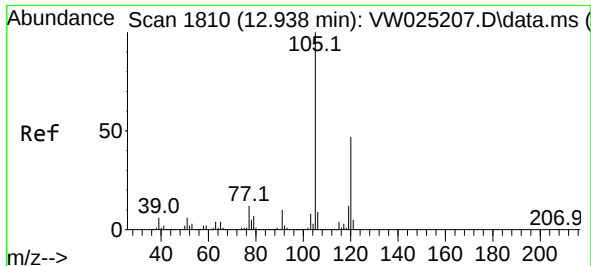
Tgt Ion:105 Resp: 778268
Ion Ratio Lower Upper
105 100
120 25.9 20.6 31.0
77 16.0 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 21.984 ug/L
RT: 12.767 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

Tgt Ion: 75 Resp: 91835
Ion Ratio Lower Upper
75 100
77 32.2 26.6 40.0
110 39.3 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 24.738 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW025212.D

Acq: 27 Dec 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

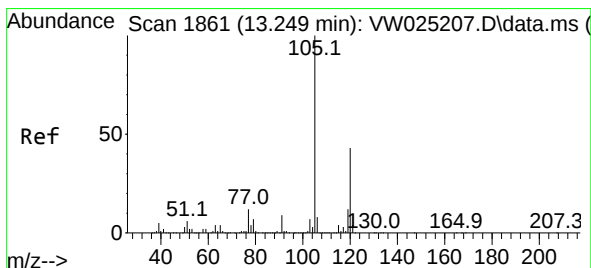
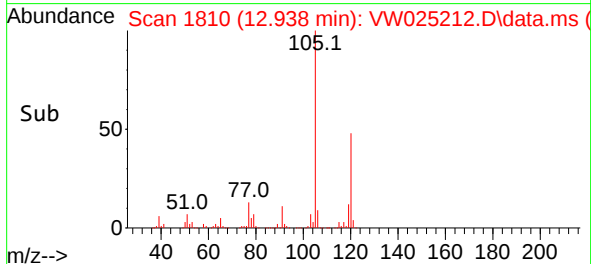
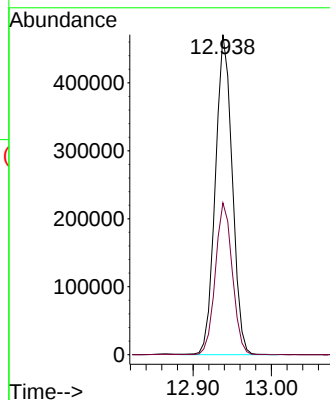
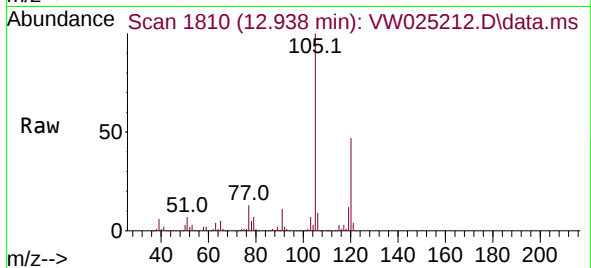
VSTD025519

Tgt Ion:105 Resp: 705927

Ion Ratio Lower Upper

105 100

120 47.5 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 24.820 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW025212.D

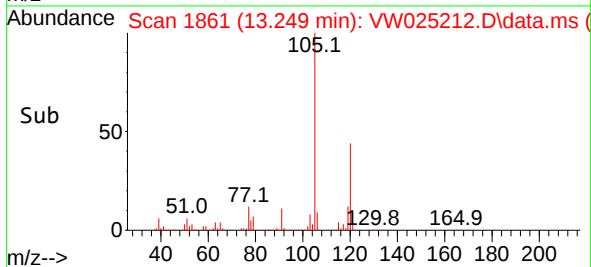
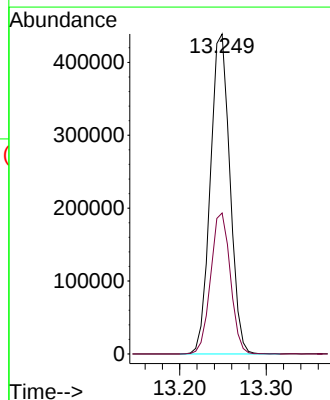
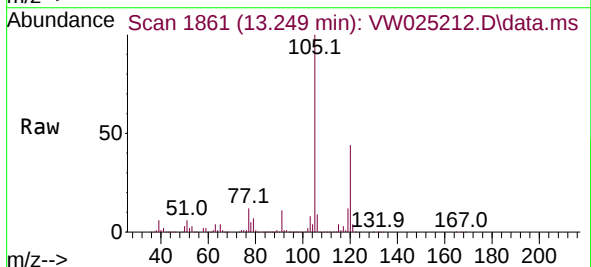
Acq: 27 Dec 2022 12:13

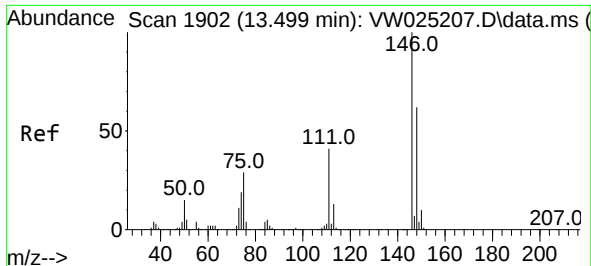
Tgt Ion:105 Resp: 688061

Ion Ratio Lower Upper

105 100

120 44.4 36.1 54.1

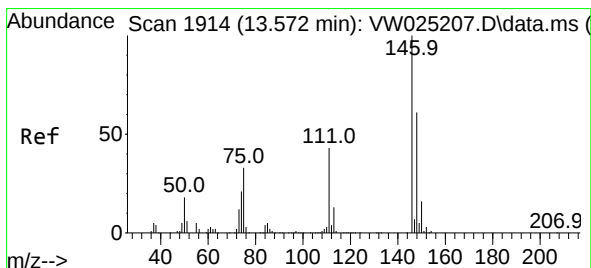
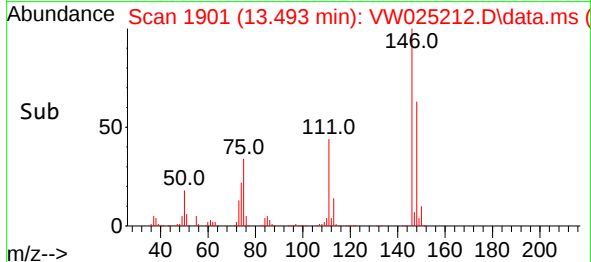
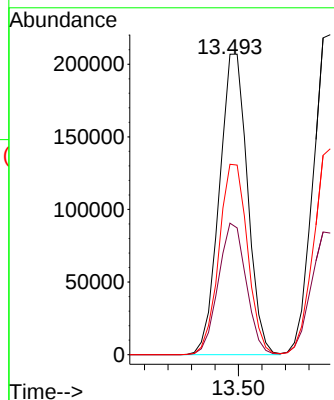
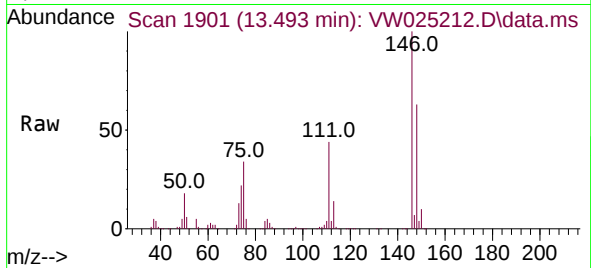




#64
1,3-Dichlorobenzene
Concen: 25.316 ug/L
RT: 13.493 min Scan# 1902
Delta R.T. -0.006 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

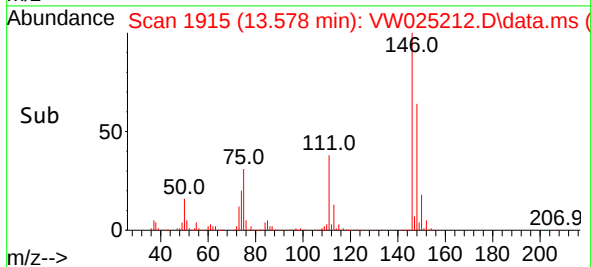
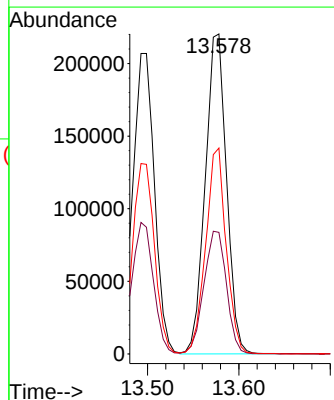
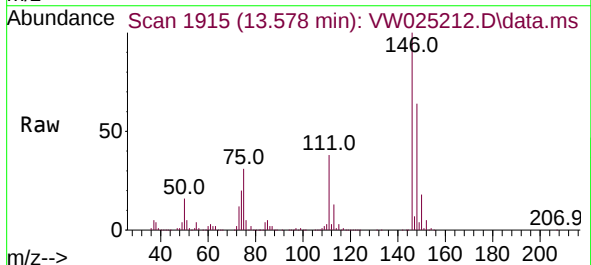
Instrument :
MSVOA_W
ClientSampleId :
VSTD025519

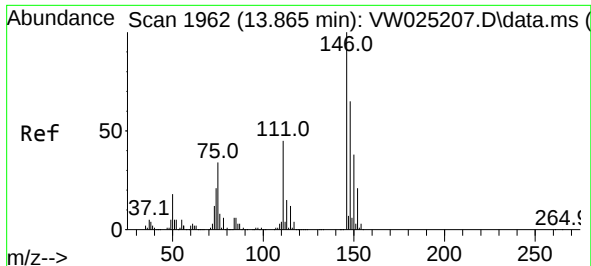
Tgt Ion:146 Resp: 345268
Ion Ratio Lower Upper
146 100
111 43.8 30.2 56.0
148 63.3 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 25.894 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

Tgt Ion:146 Resp: 355648
Ion Ratio Lower Upper
146 100
111 38.0 27.4 51.0
148 64.4 41.6 77.3





#67

1,2-Dichlorobenzene

Concen: 29.023 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW025212.D

Acq: 27 Dec 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD025519

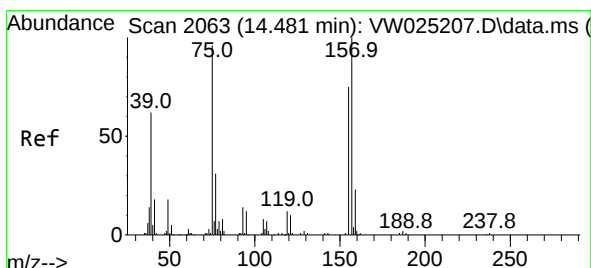
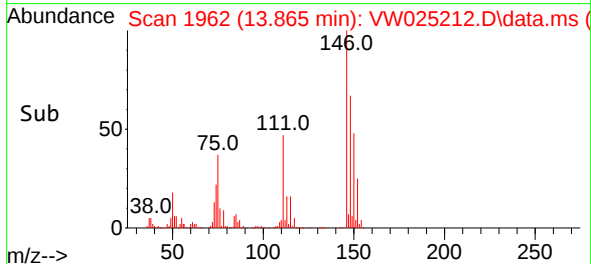
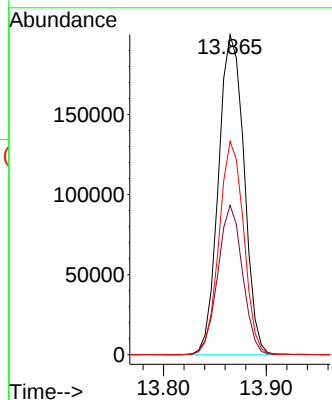
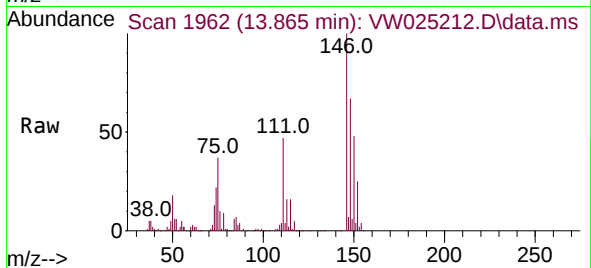
Tgt Ion:146 Resp: 345191

Ion Ratio Lower Upper

146 100

111 46.7 34.3 51.5

148 66.7 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 25.513 ug/L

RT: 14.480 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW025212.D

Acq: 27 Dec 2022 12:13

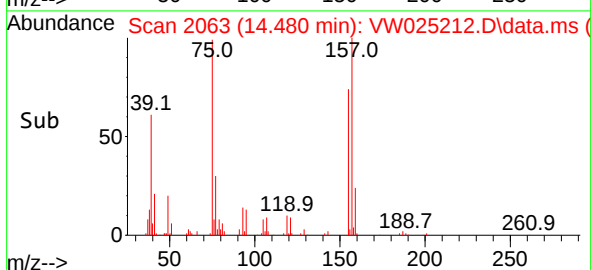
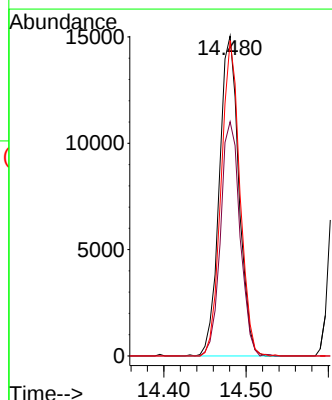
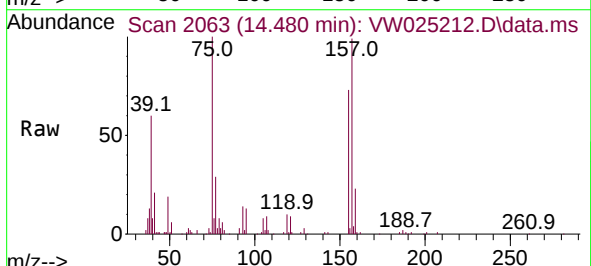
Tgt Ion: 75 Resp: 24849

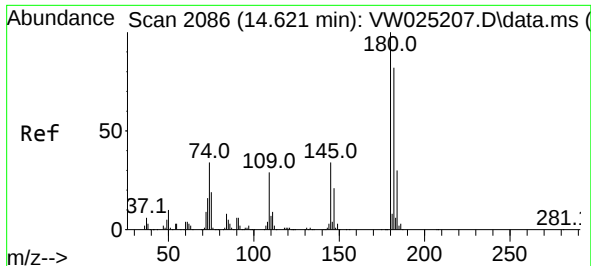
Ion Ratio Lower Upper

75 100

155 73.2 60.3 90.5

157 98.5 84.9 127.3





#69

1,3,5-Trichlorobenzene

Concen: 28.204 ug/L

RT: 14.627 min Scan# 2086

Delta R.T. 0.006 min

Lab File: VW025212.D

Acq: 27 Dec 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD025519

Tgt Ion:180 Resp: 273123

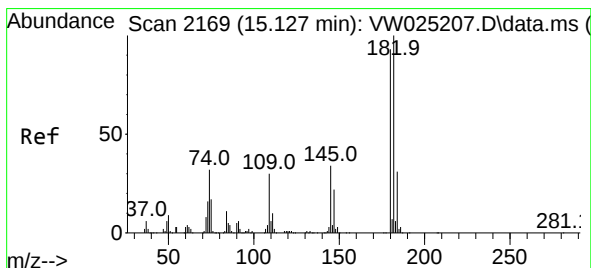
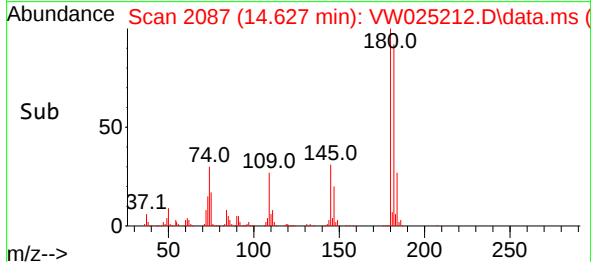
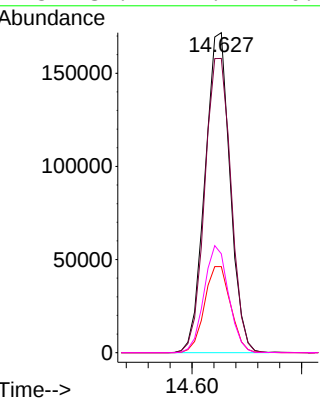
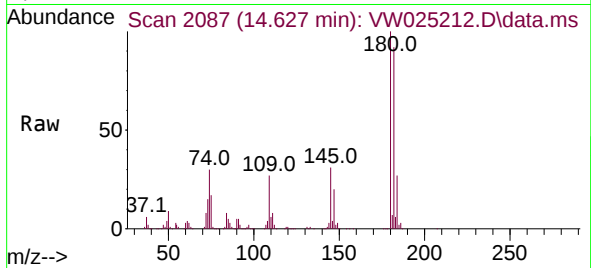
Ion Ratio Lower Upper

180 100

182 95.9 77.8 116.6

184 28.1 24.3 36.5

145 32.9 27.1 40.7



#70

1,2,4-trichlorobenzene

Concen: 28.841 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW025212.D

Acq: 27 Dec 2022 12:13

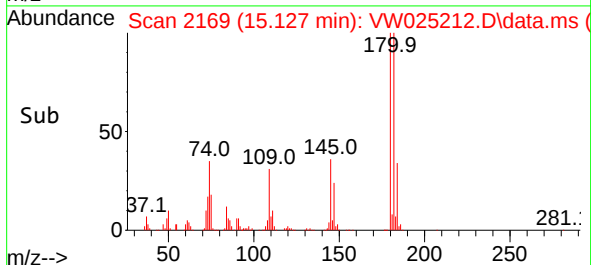
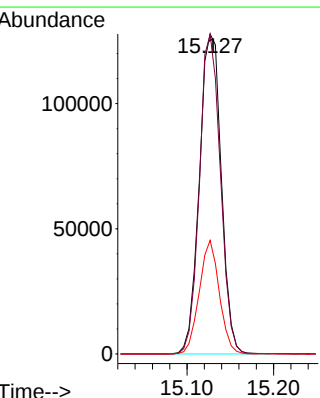
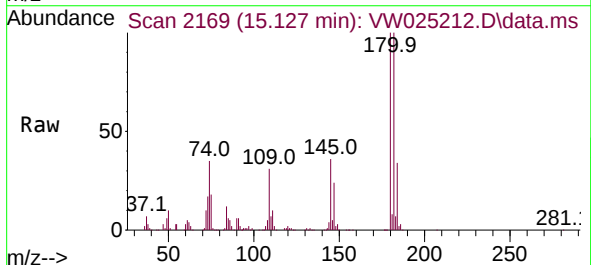
Tgt Ion:180 Resp: 224100

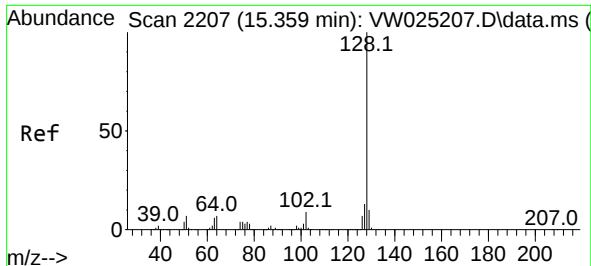
Ion Ratio Lower Upper

180 100

182 95.5 77.2 115.8

145 32.6 26.9 40.3

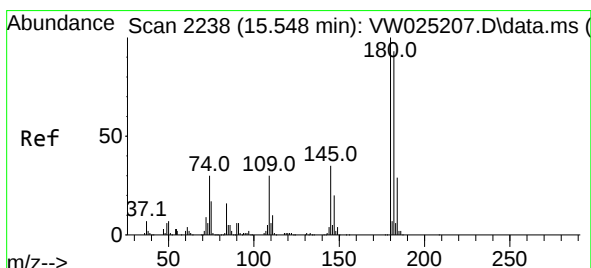
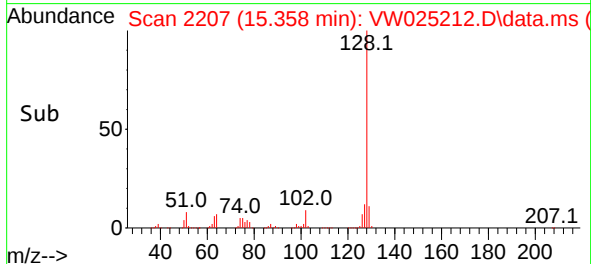
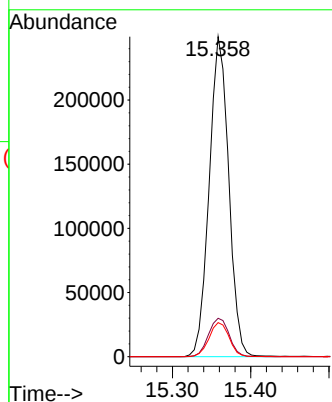
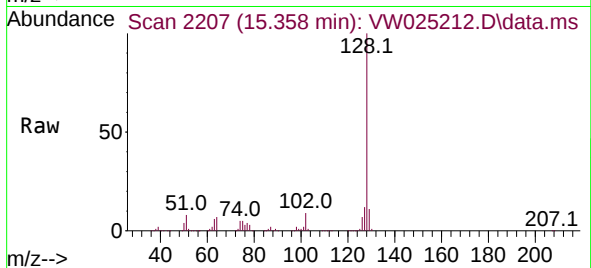




#71
Naphthalene
Concen: 28.325 ug/L
RT: 15.358 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTD025519

Tgt Ion:128 Resp: 431455
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.9 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 28.473 ug/L
RT: 15.547 min Scan# 2238
Delta R.T. -0.000 min
Lab File: VW025212.D
Acq: 27 Dec 2022 12:13

Tgt Ion:180 Resp: 193882
Ion Ratio Lower Upper
180 100
182 92.0 76.4 114.6
145 35.2 29.6 44.4

