

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121423\
 Data File : VW027632.D
 Acq On : 14 Dec 2023 16:56
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025564

Quant Time: Dec 15 03:33:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 15 03:28:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	329324	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	306723	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	165983	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	108696	16.402	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	65.600%		
7) Chloroethane-d5	2.899	69	95267	19.830	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	79.320%		
11) 1,1-Dichloroethene-d2	4.027	65	52675	18.784	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	75.120%		
21) 2-Butanone-d5	7.100	46	59367	34.186	ug/L	0.02
Spiked Amount 50.000	Range 20 - 135		Recovery =	68.380%		
24) Chloroform-d	7.648	84	241212	24.538	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	98.160%		
26) 1,2-Dichloroethane-d4	8.307	65	114299	22.738	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	90.960%		
32) Benzene-d6	8.276	84	470491	21.779	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	87.120%		
36) 1,2-Dichloropropane-d6	9.276	67	150324	23.604	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	94.400%		
41) Toluene-d8	10.325	98	407311	21.549	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	86.200%		
43) trans-1,3-Dichloroprop...	10.575	79	52861	21.464	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	85.840%		
47) 2-Hexanone-d5	10.922	63	45509	38.352	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	76.700%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	107614	20.543	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	82.160%		
66) 1,2-Dichlorobenzene-d4	13.848	152	132421	22.760	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	91.040%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	94999	21.544	ug/L	91
3) Chloromethane	2.229	50	158779	29.401	ug/L	99
5) Vinyl chloride	2.369	62	158008	25.083	ug/L	98
6) Bromomethane	2.796	94	93134	28.172	ug/L	94
8) Chloroethane	2.936	64	95292	26.485	ug/L	92
9) Trichlorofluoromethane	3.271	101	208711	34.593	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	51371	9.985	ug/L #	3
12) 1,1-Dichloroethene	4.045	96	123640	26.322	ug/L	85
13) Acetone	4.167	43	67529	40.338	ug/L	97
14) Carbon disulfide	4.387	76	388377	27.360	ug/L	99
15) Methyl Acetate	4.685	43	50536	17.273	ug/L	98
16) Methylene chloride	4.923	84	143291	26.682	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	133137	27.488	ug/L	95
18) Methyl tert-butyl Ether	5.429	73	204922	26.230	ug/L	98
19) 1,1-Dichloroethane	6.222	63	272718	27.687	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	145656	28.002	ug/L	98
22) 2-Butanone	7.185	43	83142	38.496	ug/L	99
23) Bromochloromethane	7.520	128	57820	28.261	ug/L	99
25) Chloroform	7.679	83	255567	28.575	ug/L	94

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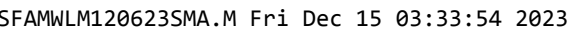
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 ClientSampleId :
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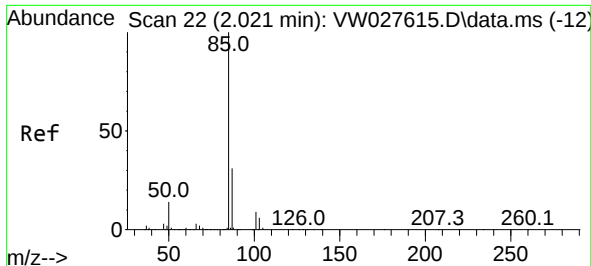
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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	158126	27.355	ug/L	99
29) Cyclohexane	7.959	56	255587	25.346	ug/L	99
30) 1,1,1-Trichloroethane	7.880	97	213739	24.981	ug/L	99
31) Carbon tetrachloride	8.075	117	183726	24.618	ug/L	98
33) Benzene	8.325	78	576108	27.214	ug/L	100
34) Trichloroethene	9.093	95	149520	25.858	ug/L	94
35) Methylcyclohexane	9.337	83	263041	25.548	ug/L	100
37) 1,2-Dichloropropane	9.368	63	153554	27.473	ug/L	99
38) Bromodichloromethane	9.642	83	175566	27.171	ug/L	97
39) cis-1,3-Dichloropropene	10.069	75	221623	27.467	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	150142	39.740	ug/L	100
42) Toluene	10.386	91	608005	27.155	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	178214	27.380	ug/L	94
45) 1,1,2-Trichloroethane	10.788	97	95372	24.501	ug/L	100
46) Tetrachloroethene	10.861	164	107486	26.075	ug/L	96
48) 2-Hexanone	10.965	43	120665	45.318	ug/L	98
49) Dibromochloromethane	11.129	129	101104	26.276	ug/L	99
50) 1,2-Dibromoethane	11.233	107	85337	23.962	ug/L	99
51) Chlorobenzene	11.654	112	376333	27.860	ug/L	97
52) Ethylbenzene	11.727	91	694850	27.320	ug/L	95
53) m,p-Xylene	11.837	106	257528	27.479	ug/L	89
54) o-Xylene	12.160	106	249098	29.244	ug/L	92
55) Styrene	12.178	104	422449	29.057	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.708	83	110332	21.772	ug/L	97
59) Bromoform	12.349	173	50796	21.851	ug/L	100
60) Isopropylbenzene	12.458	105	694605	25.346	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	78182	19.529	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	532436	26.268	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	553372	27.412	ug/L	97
64) 1,3-Dichlorobenzene	13.495	146	284610	27.113	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	286472	27.360	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	243547	25.752	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.482	75	16626	17.265	ug/L #	81
69) 1,3,5-Trichlorobenzene	14.623	180	195003	27.625	ug/L	97
70) 1,2,4-trichlorobenzene	15.123	180	154272	28.144	ug/L	99
71) Naphthalene	15.360	128	267632	23.213	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	132709	28.262	ug/L	98

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

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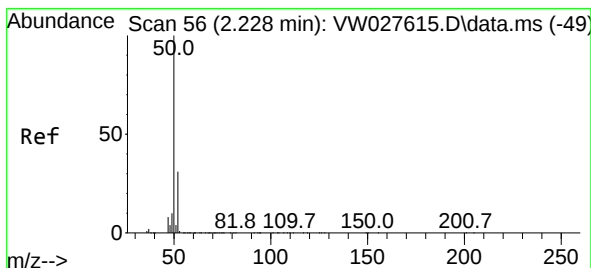
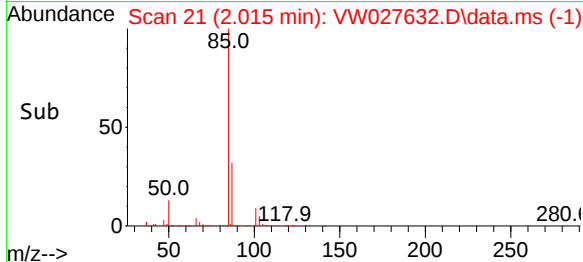
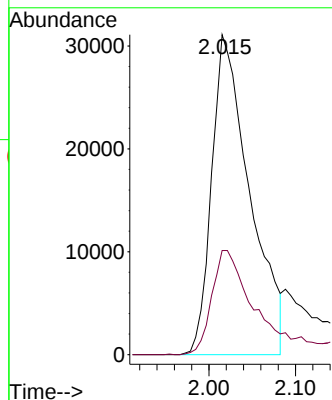
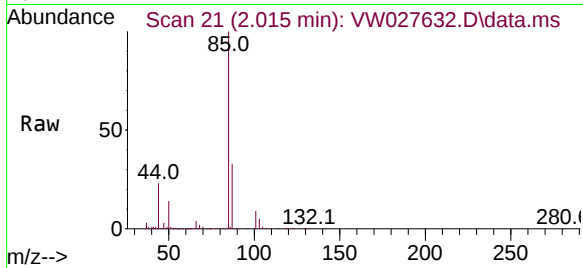




#2
 Dichlorodifluoromethane
 Concen: 21.544 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW027632.D
 Acq: 14 Dec 2023 16:56

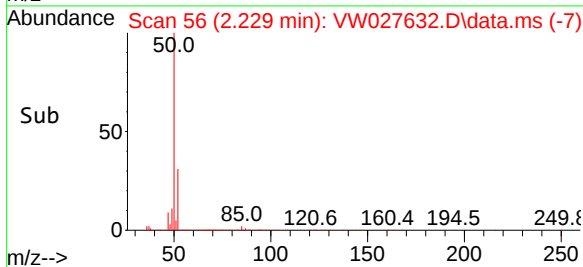
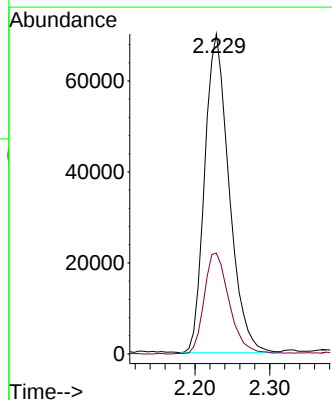
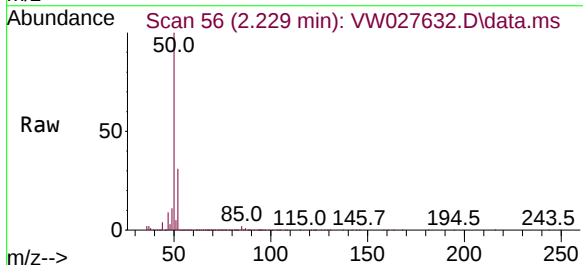
Instrument :
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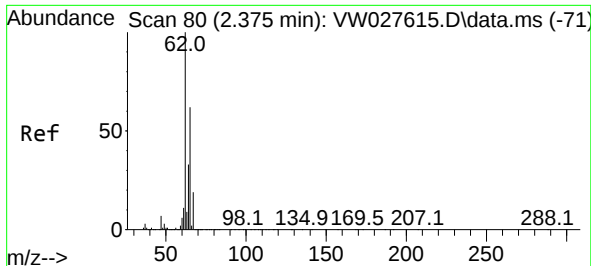
Tgt Ion: 85 Resp: 94999
 Ion Ratio Lower Upper
 85 100
 87 34.9 24.0 36.0



#3
 Chloromethane
 Concen: 29.401 ug/L
 RT: 2.229 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VW027632.D
 Acq: 14 Dec 2023 16:56

Tgt Ion: 50 Resp: 158779
 Ion Ratio Lower Upper
 50 100
 52 31.5 21.8 40.6

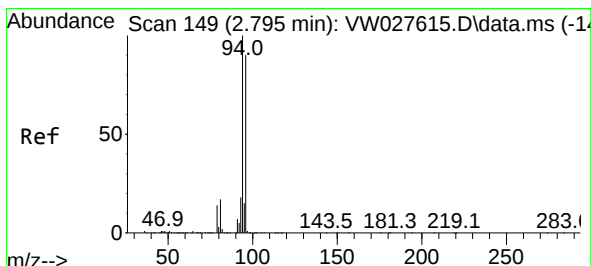
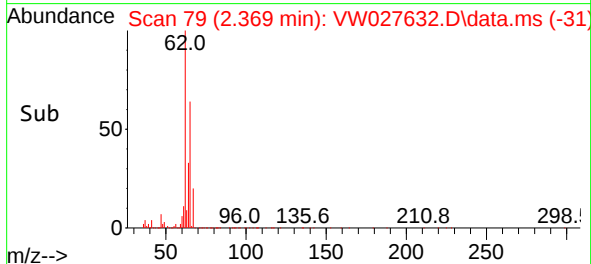
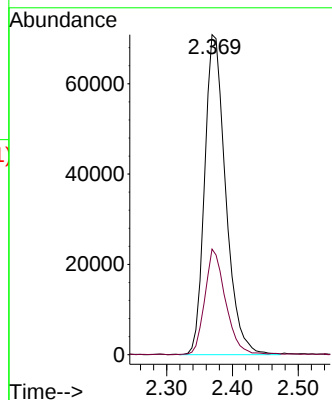
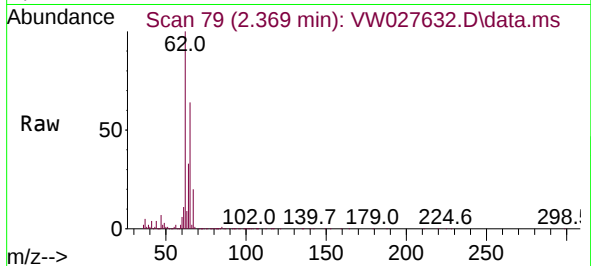




#5
 Vinyl chloride
 Concen: 25.083 ug/L
 RT: 2.369 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: VW027632.D
 Acq: 14 Dec 2023 16:56

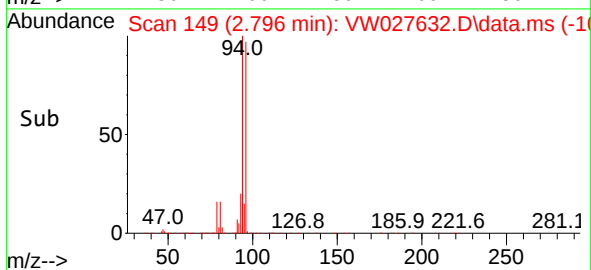
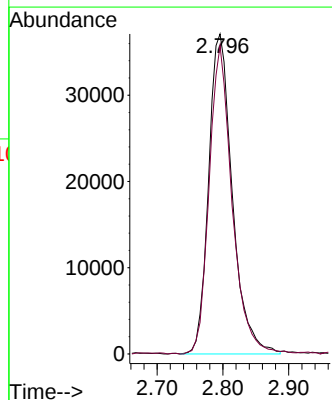
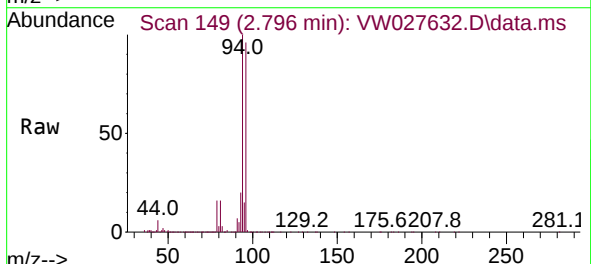
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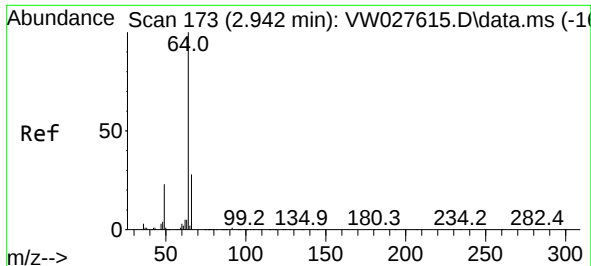
Tgt Ion: 62 Resp: 158008
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.2 41.2



#6
 Bromomethane
 Concen: 28.172 ug/L
 RT: 2.796 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VW027632.D
 Acq: 14 Dec 2023 16:56

Tgt Ion: 94 Resp: 93134
 Ion Ratio Lower Upper
 94 100
 96 96.3 63.3 117.7

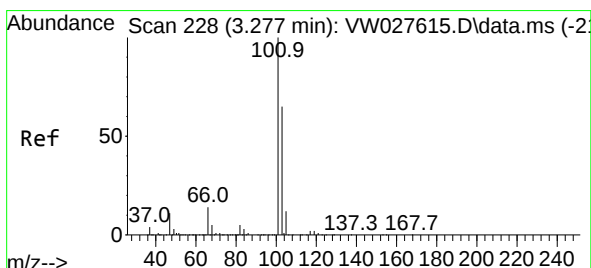
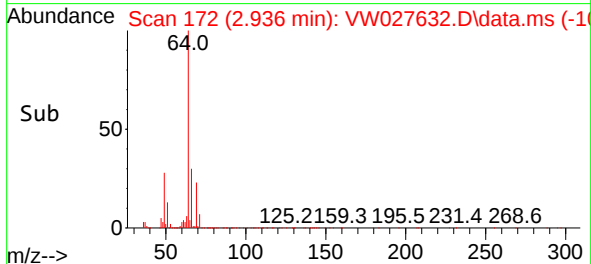
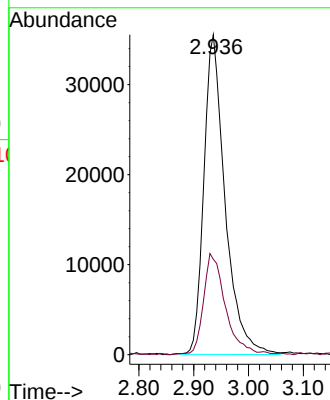
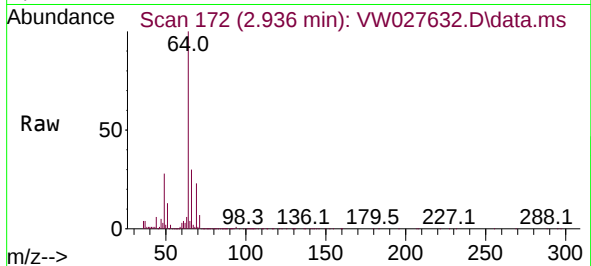




#8
Chloroethane
Concen: 26.485 ug/L
RT: 2.936 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

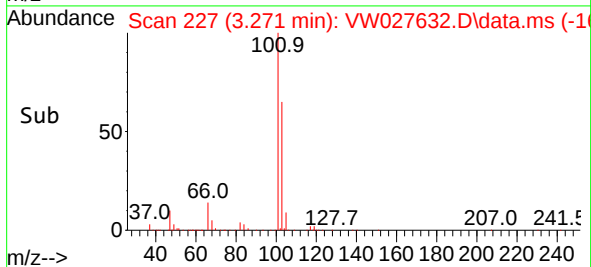
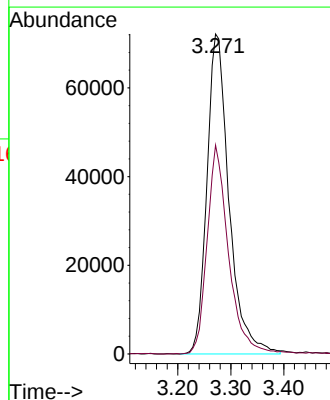
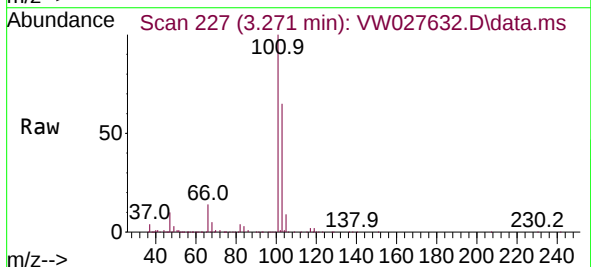
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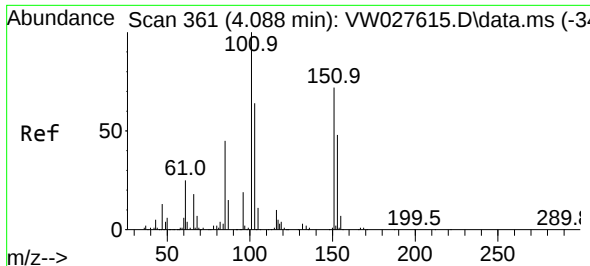
Tgt Ion: 64 Resp: 95292
Ion Ratio Lower Upper
64 100
66 29.8 24.1 44.7



#9
Trichlorofluoromethane
Concen: 34.593 ug/L
RT: 3.271 min Scan# 227
Delta R.T. -0.006 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

Tgt Ion: 101 Resp: 208711
Ion Ratio Lower Upper
101 100
103 63.1 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 9.985 ug/L

RT: 4.070 min Scan# 3

Delta R.T. -0.018 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025564

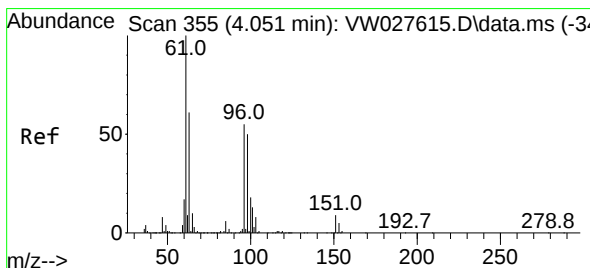
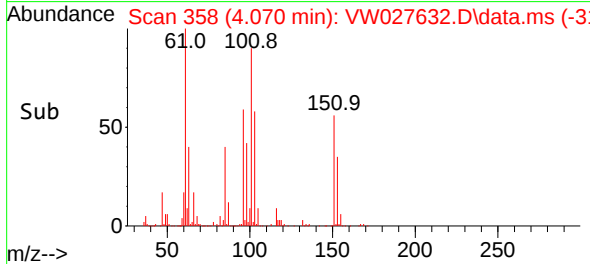
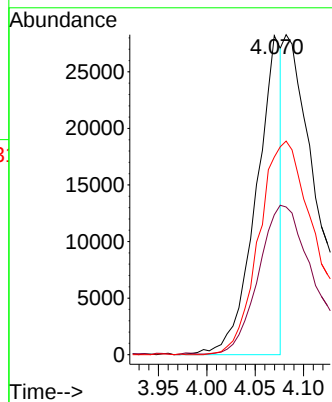
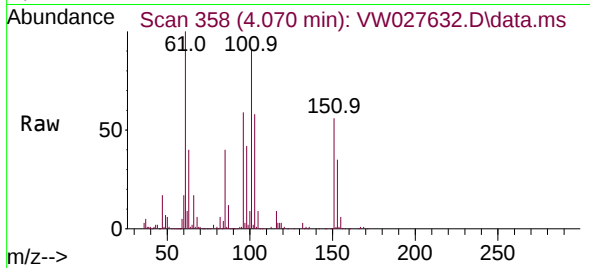
Tgt Ion:101 Resp: 51371

Ion Ratio Lower Upper

101 100

85 100.9 33.9 50.9#

151 148.6 54.6 81.8#



#12

1,1-Dichloroethene

Concen: 26.322 ug/L

RT: 4.045 min Scan# 354

Delta R.T. -0.006 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

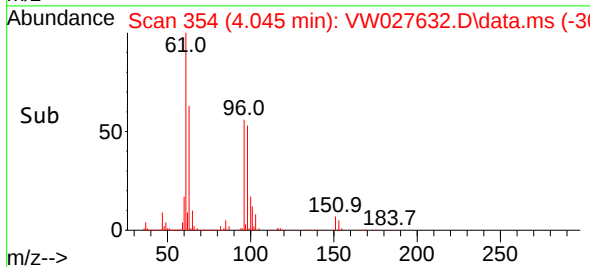
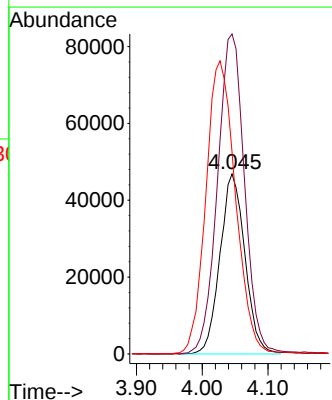
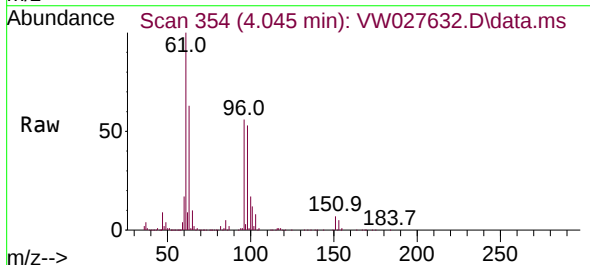
Tgt Ion: 96 Resp: 123640

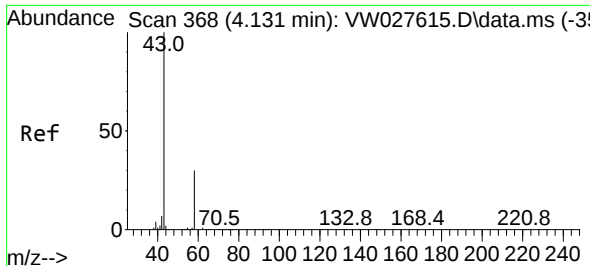
Ion Ratio Lower Upper

96 100

61 177.7 127.8 237.4

63 112.2 104.9 194.7

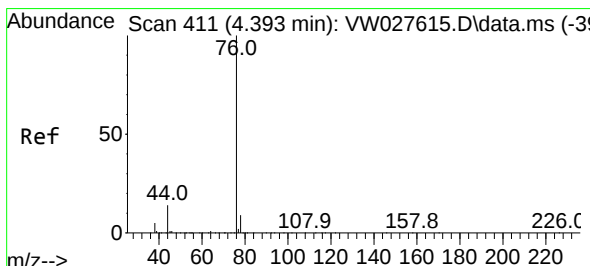
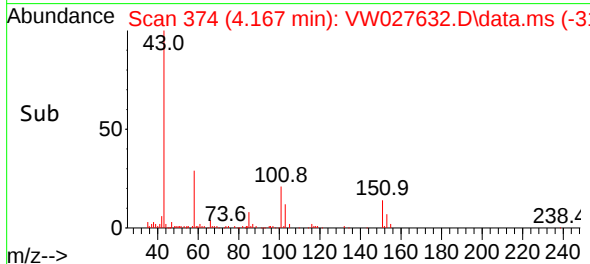
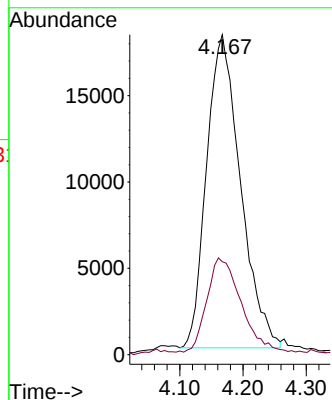
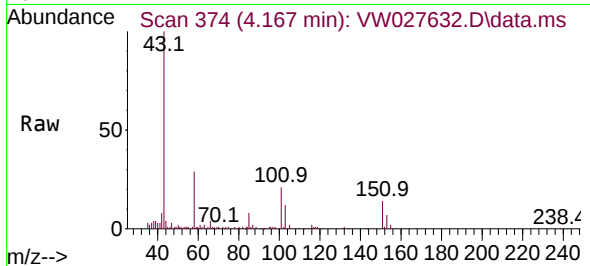




#13
Acetone
Concen: 40.338 ug/L
RT: 4.167 min Scan# 31
Delta R.T. 0.037 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

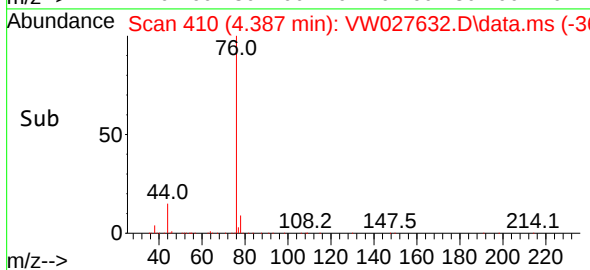
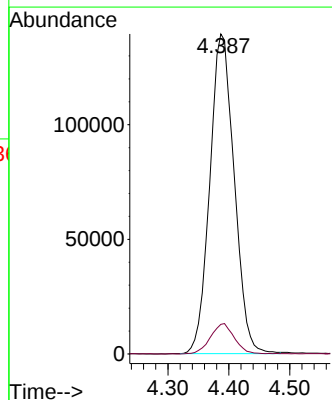
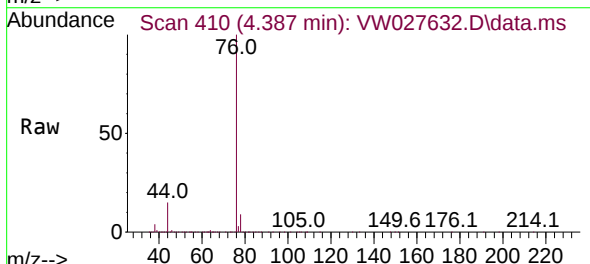
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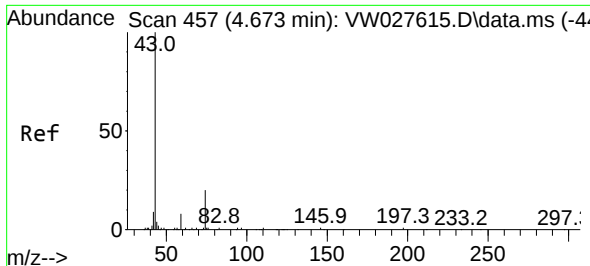
Tgt Ion: 43 Resp: 67529
Ion Ratio Lower Upper
43 100
58 31.7 0.0 60.0



#14
Carbon disulfide
Concen: 27.360 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

Tgt Ion: 76 Resp: 388377
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.6

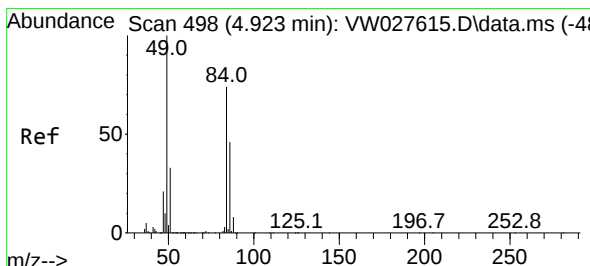
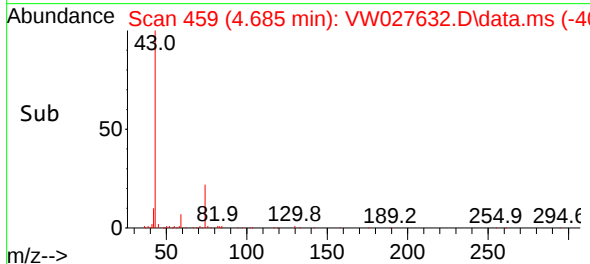
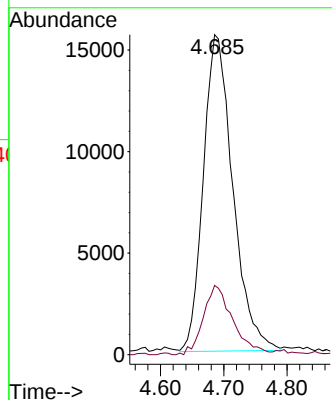
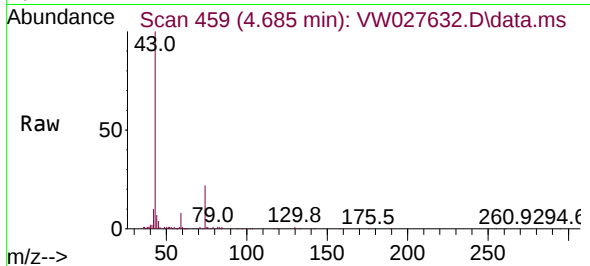




#15
Methyl Acetate
Concen: 17.273 ug/L
RT: 4.685 min Scan# 41
Delta R.T. 0.012 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

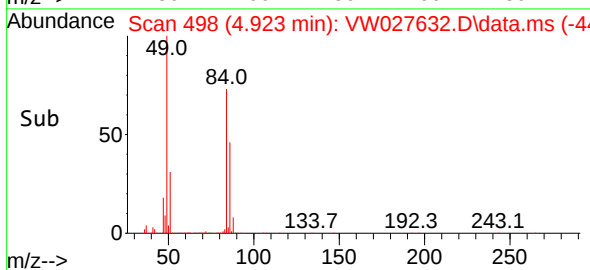
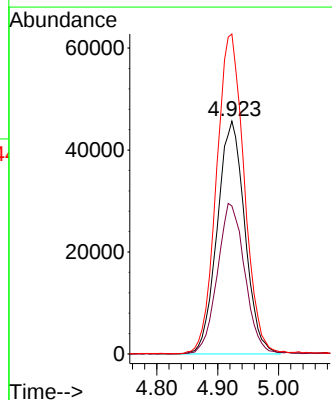
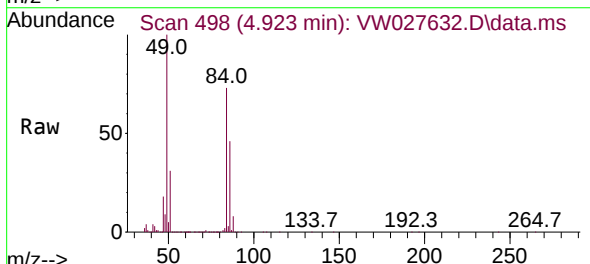
Instrument :
MSVOA_W
ClientSampleId :
VSTD025564

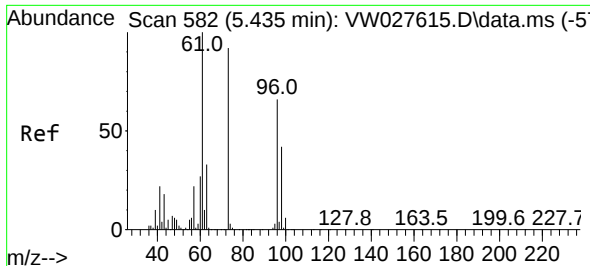
Tgt Ion: 43 Resp: 50536
Ion Ratio Lower Upper
43 100
74 21.8 16.8 25.2



#16
Methylene chloride
Concen: 26.682 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.000 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

Tgt Ion: 84 Resp: 143291
Ion Ratio Lower Upper
84 100
86 63.6 47.7 88.7
49 137.5 97.4 181.0





#17

trans-1,2-Dichloroethene

Concen: 27.488 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.006 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025564

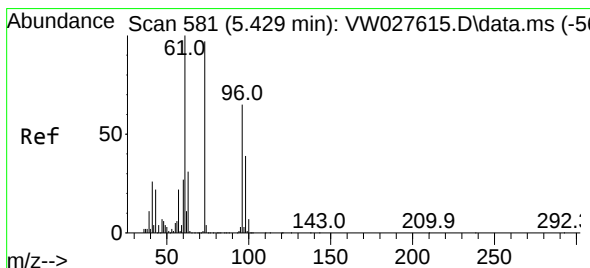
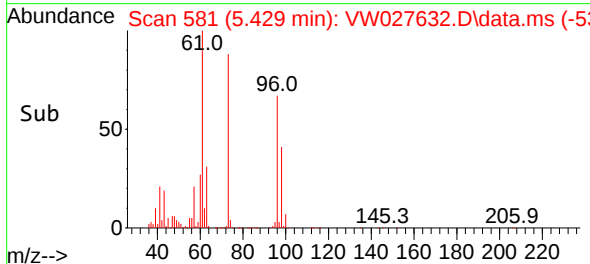
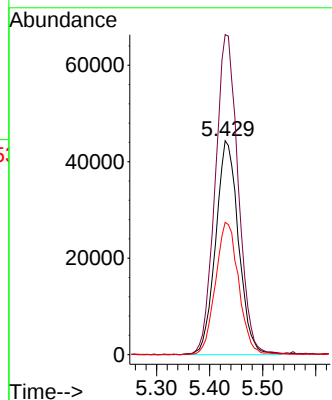
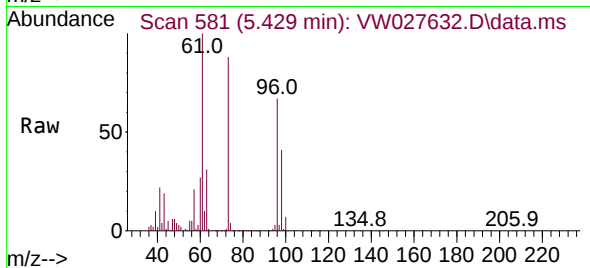
Tgt Ion: 96 Resp: 133137

Ion Ratio Lower Upper

96 100

61 149.6 109.6 203.6

98 61.8 41.9 77.7



#18

Methyl tert-butyl Ether

Concen: 26.230 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.000 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

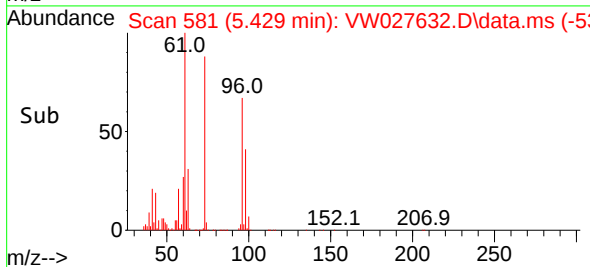
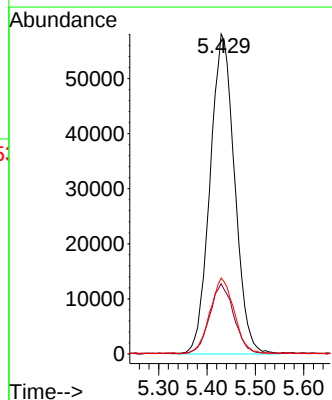
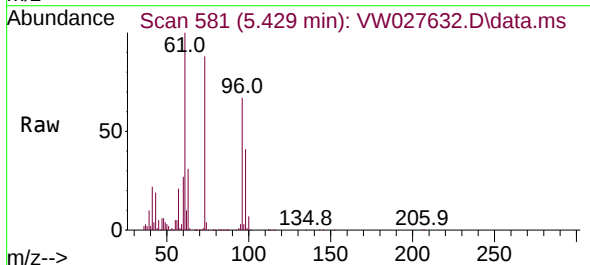
Tgt Ion: 73 Resp: 204922

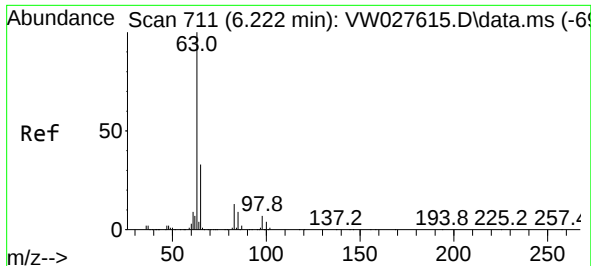
Ion Ratio Lower Upper

73 100

43 21.5 17.8 26.6

57 23.2 19.9 29.9





#19

1,1-Dichloroethane

Concen: 27.687 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.000 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025564

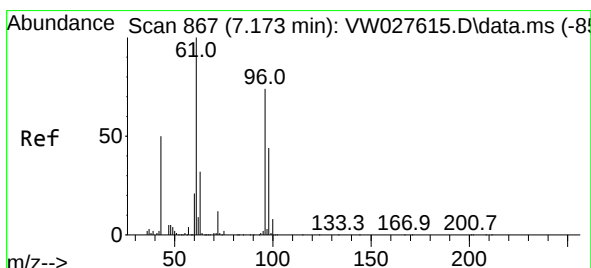
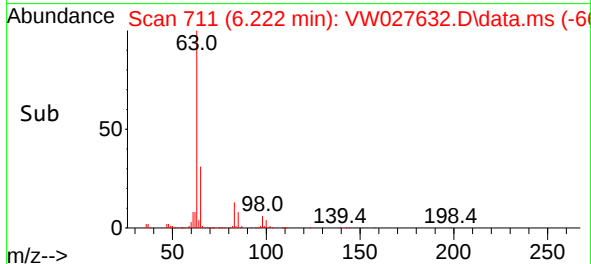
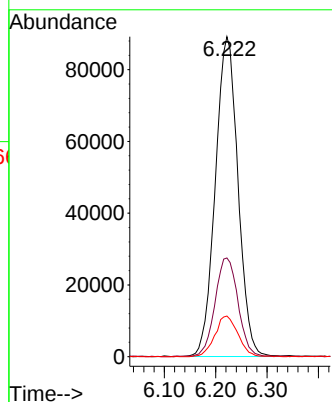
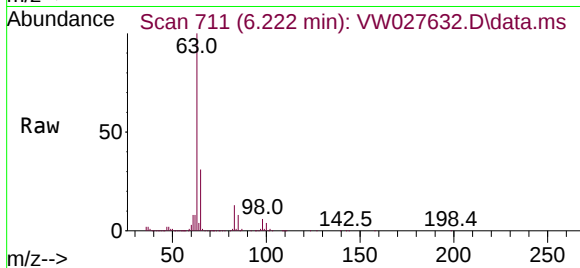
Tgt Ion: 63 Resp: 272718

Ion Ratio Lower Upper

63 100

65 30.8 22.0 40.8

83 12.7 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 28.002 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

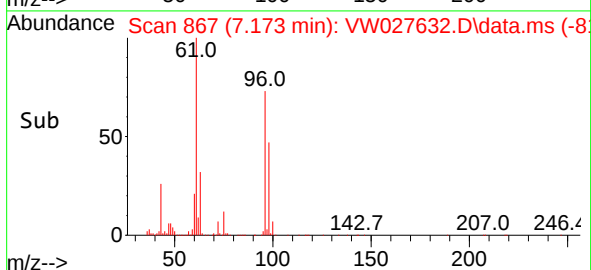
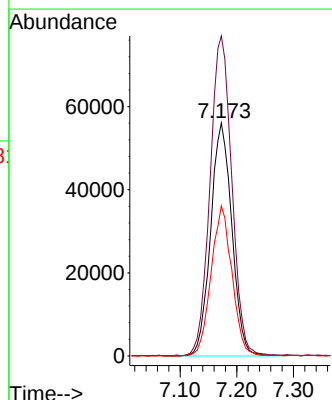
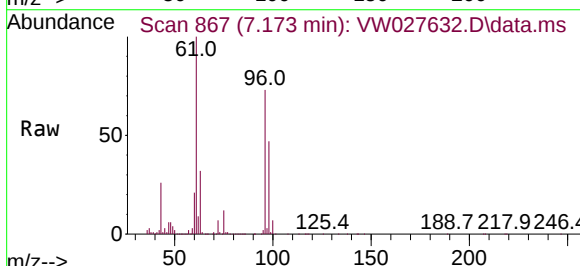
Tgt Ion: 96 Resp: 145656

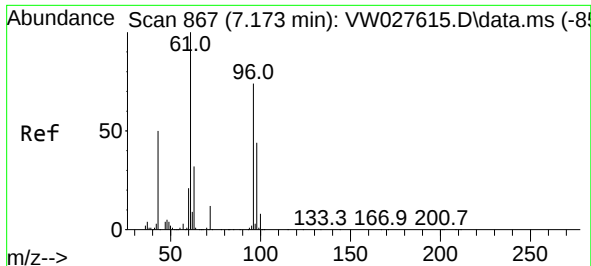
Ion Ratio Lower Upper

96 100

61 137.3 94.0 174.6

98 64.4 45.1 83.7

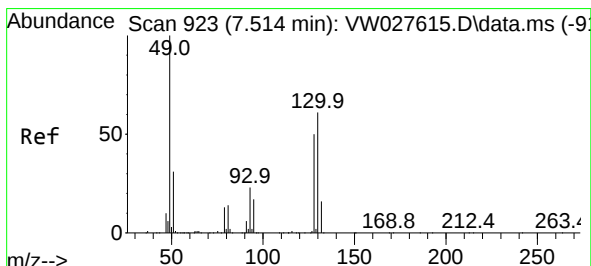
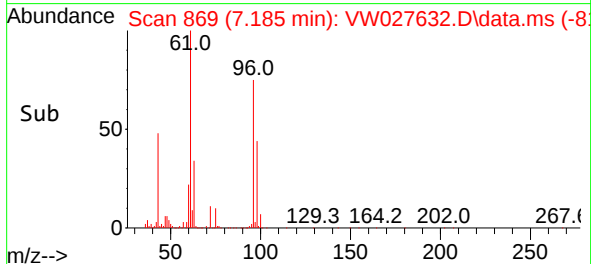
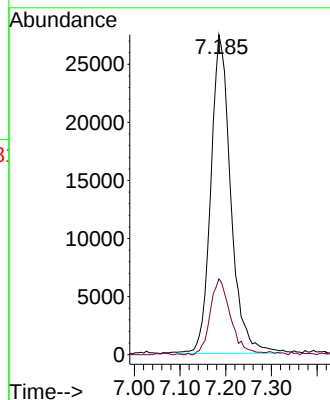
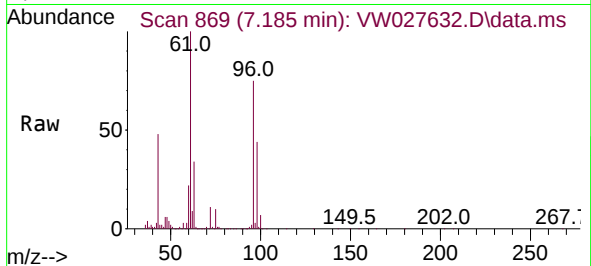




#22
2-Butanone
Concen: 38.496 ug/L
RT: 7.185 min Scan# 869
Delta R.T. 0.012 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

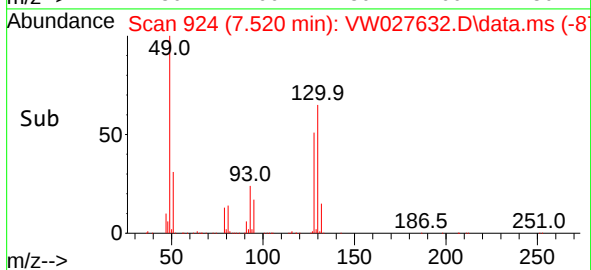
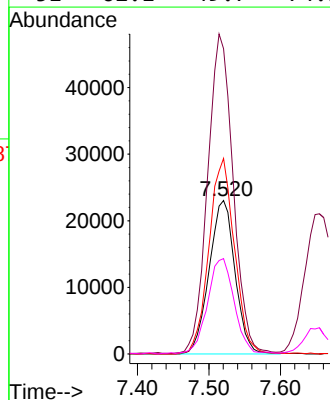
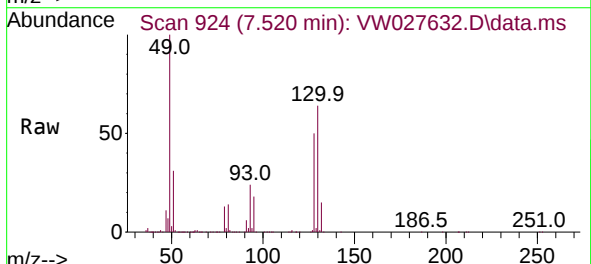
Instrument :
MSVOA_W
ClientSampleId :
VSTD025564

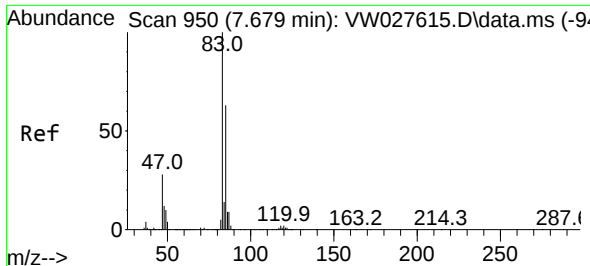
Tgt Ion: 43 Resp: 83142
Ion Ratio Lower Upper
43 100
72 24.4 11.9 35.9



#23
Bromochloromethane
Concen: 28.261 ug/L
RT: 7.520 min Scan# 924
Delta R.T. 0.006 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

Tgt Ion: 128 Resp: 57820
Ion Ratio Lower Upper
128 100
49 198.9 137.8 256.0
130 127.4 91.2 169.4
51 62.1 49.7 74.5

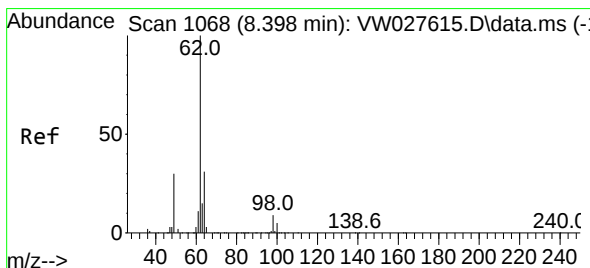
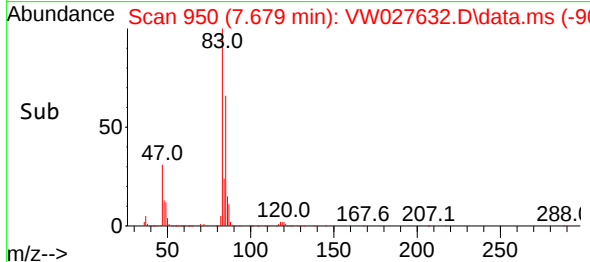
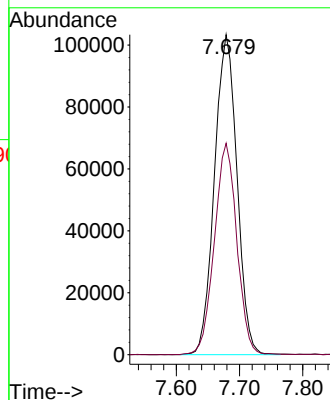
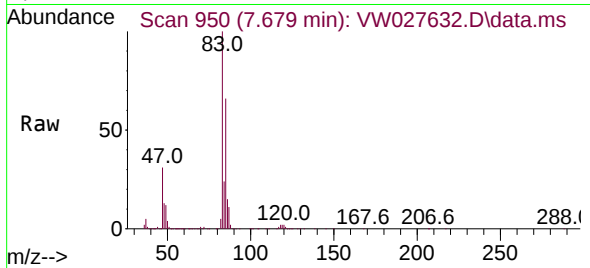




#25
Chloroform
Concen: 28.575 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.000 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

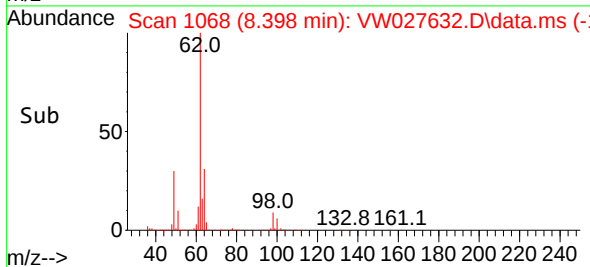
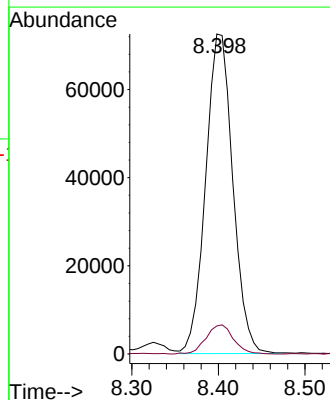
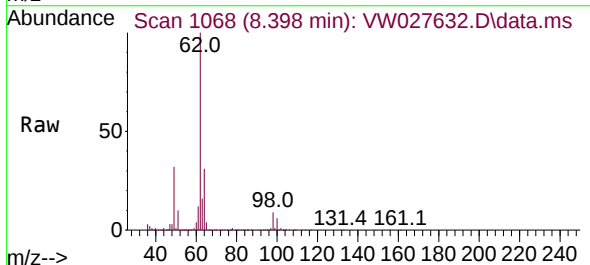
Instrument :
MSVOA_W
ClientSampleId :
VSTD025564

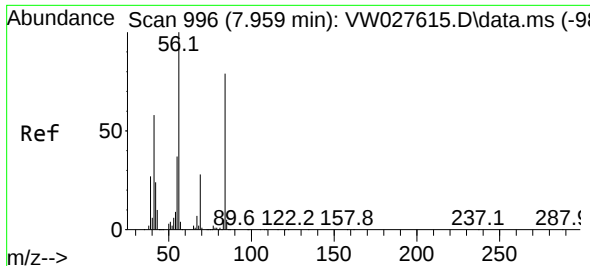
Tgt Ion: 83 Resp: 255567
Ion Ratio Lower Upper
83 100
85 66.0 49.8 92.6



#27
1,2-Dichloroethane
Concen: 27.355 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

Tgt Ion: 62 Resp: 158126
Ion Ratio Lower Upper
62 100
98 8.8 7.4 11.0

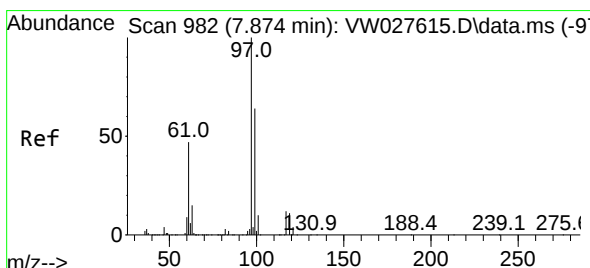
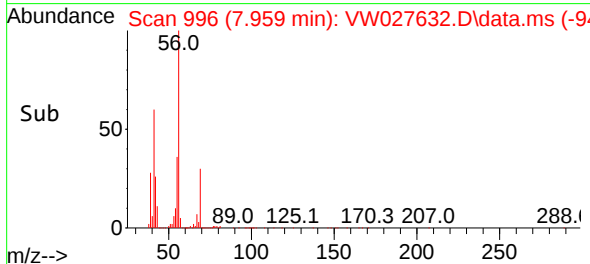
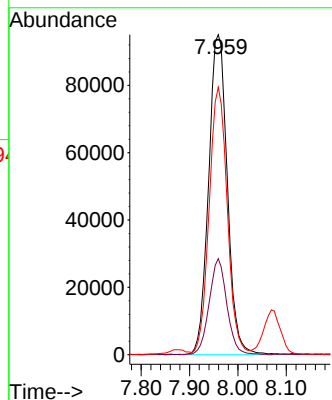
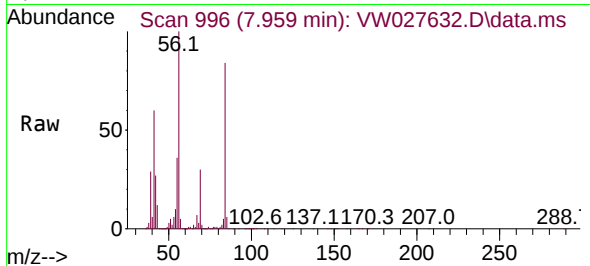




#29
Cyclohexane
Concen: 25.346 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

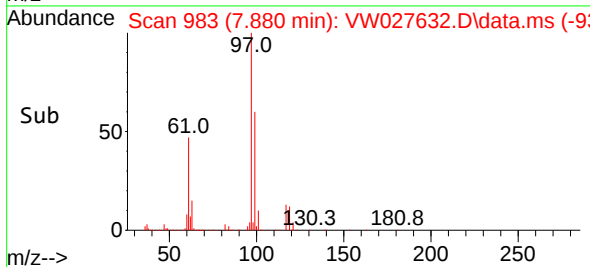
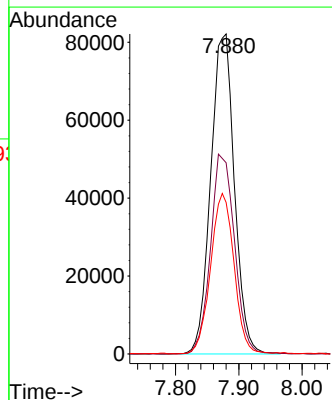
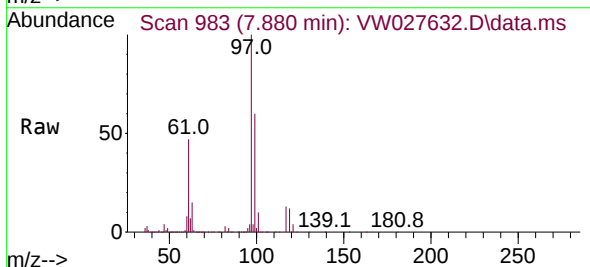
Instrument :
MSVOA_W
ClientSampleId :
VSTD025564

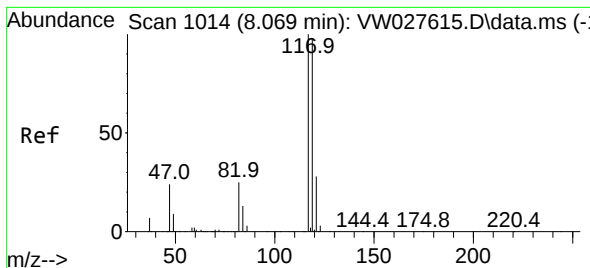
Tgt Ion: 56 Resp: 255587
Ion Ratio Lower Upper
56 100
69 28.4 24.1 36.1
84 80.8 65.0 97.4



#30
1,1,1-Trichloroethane
Concen: 24.981 ug/L
RT: 7.880 min Scan# 983
Delta R.T. 0.006 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

Tgt Ion: 97 Resp: 213739
Ion Ratio Lower Upper
97 100
99 63.3 50.5 75.7
61 49.4 39.0 58.4





#31

Carbon tetrachloride

Concen: 24.618 ug/L

RT: 8.075 min Scan# 1015

Delta R.T. 0.006 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

Instrument :

MSVOA_W

ClientSampleId :

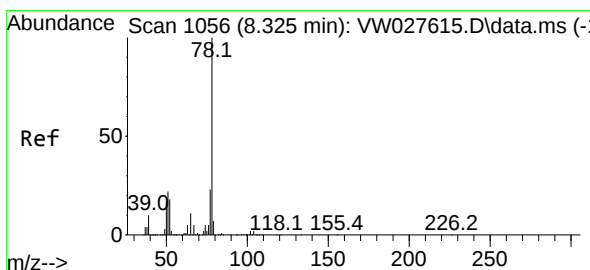
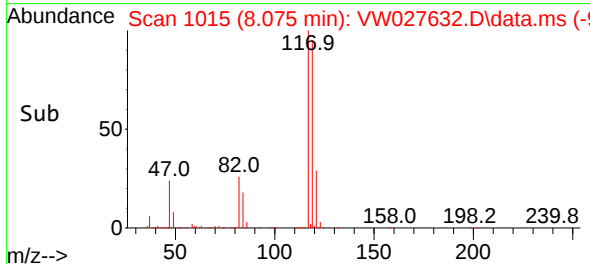
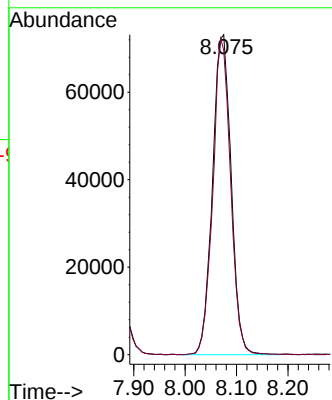
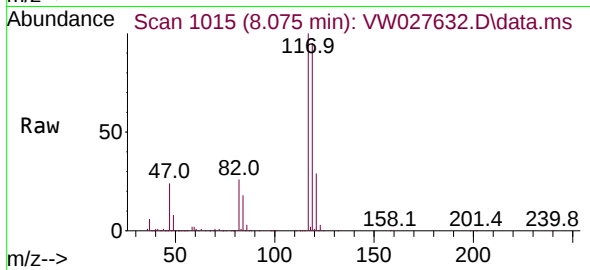
VSTD025564

Tgt Ion:117 Resp: 183726

Ion Ratio Lower Upper

117 100

119 94.0 77.0 115.6



#33

Benzene

Concen: 27.214 ug/L

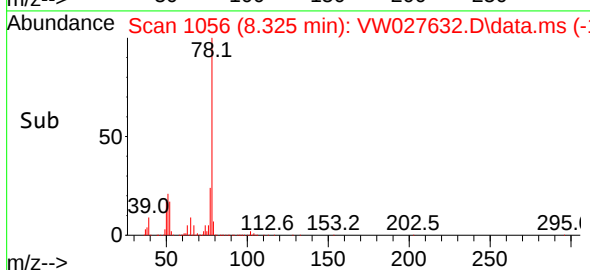
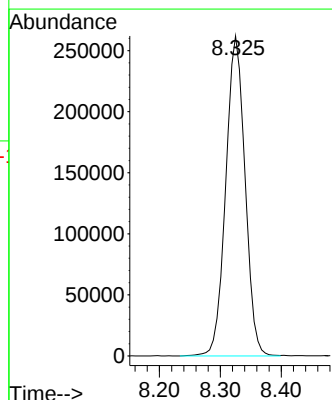
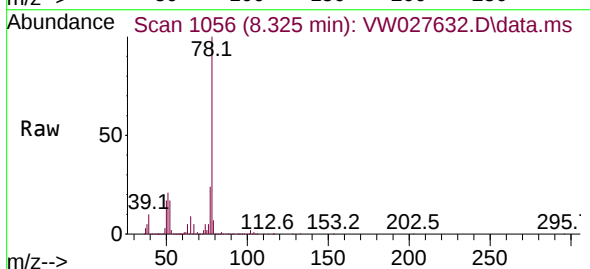
RT: 8.325 min Scan# 1056

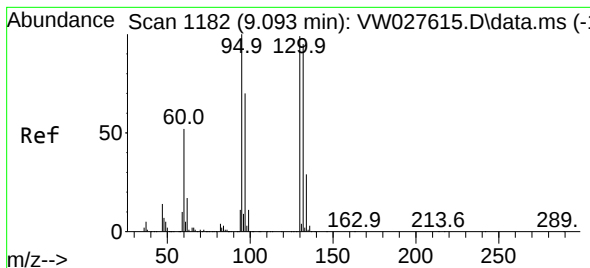
Delta R.T. 0.000 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

Tgt Ion: 78 Resp: 576108





#34

Trichloroethene

Concen: 25.858 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025564

Tgt Ion: 95 Resp: 149520

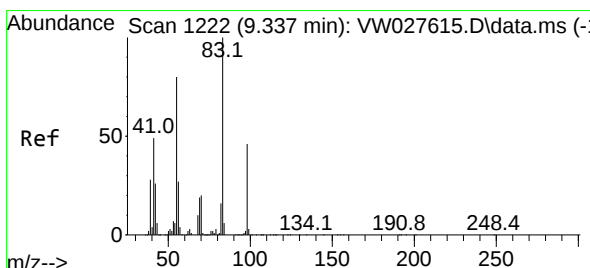
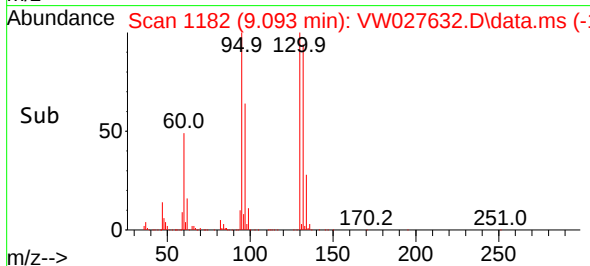
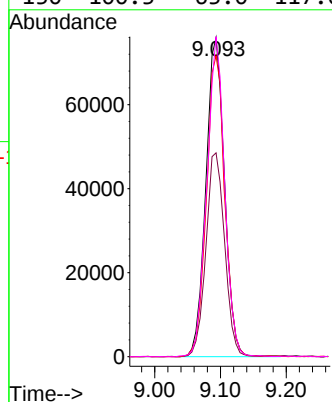
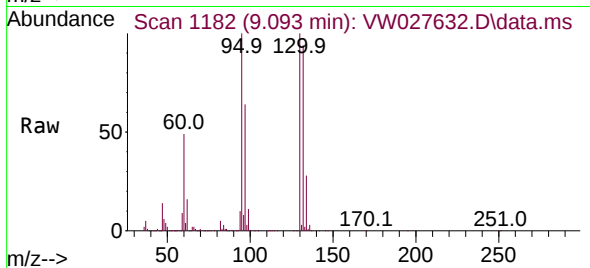
Ion Ratio Lower Upper

95 100

97 63.9 43.0 80.0

132 94.3 64.1 119.1

130 100.3 63.0 117.0



#35

Methylcyclohexane

Concen: 25.548 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

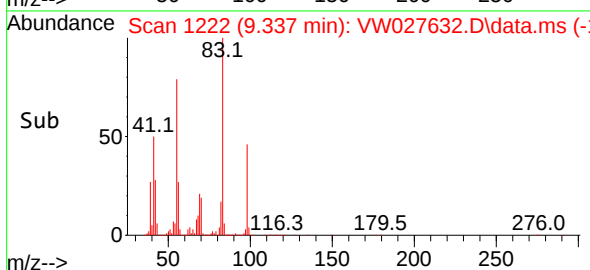
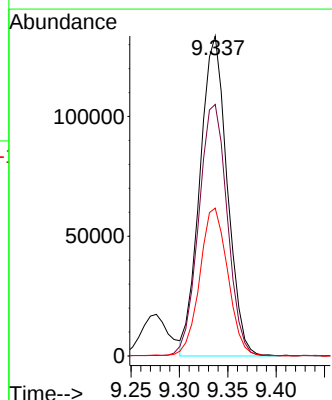
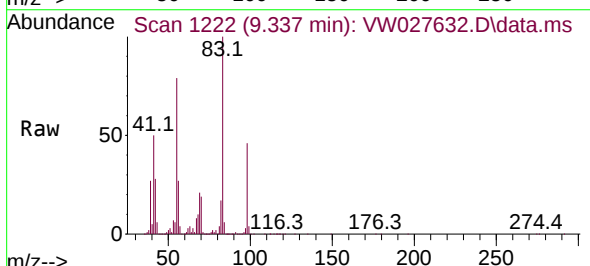
Tgt Ion: 83 Resp: 263041

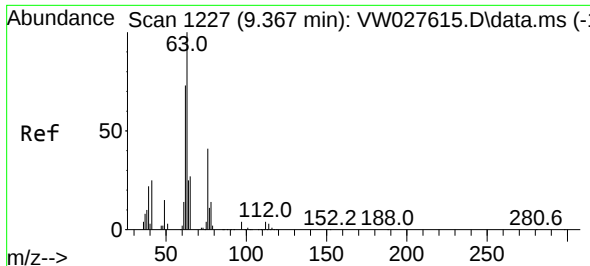
Ion Ratio Lower Upper

83 100

55 81.7 65.6 98.4

98 47.4 38.3 57.5





#37

1,2-Dichloropropane

Concen: 27.473 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

Instrument :

MSVOA_W

ClientSampleId :

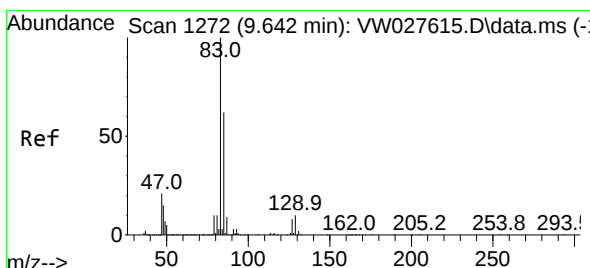
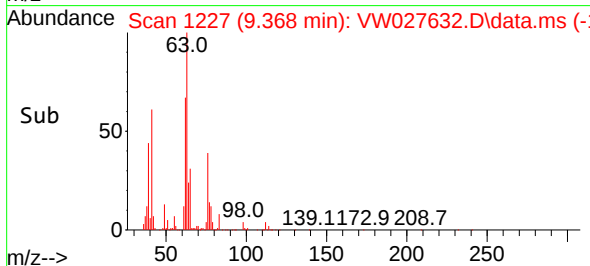
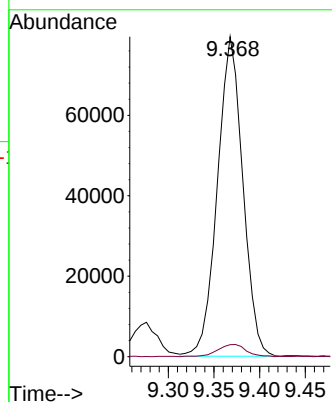
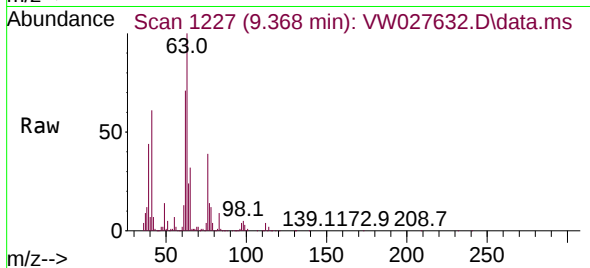
VSTD025564

Tgt Ion: 63 Resp: 153554

Ion Ratio Lower Upper

63 100

112 4.2 3.6 5.4



#38

Bromodichloromethane

Concen: 27.171 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

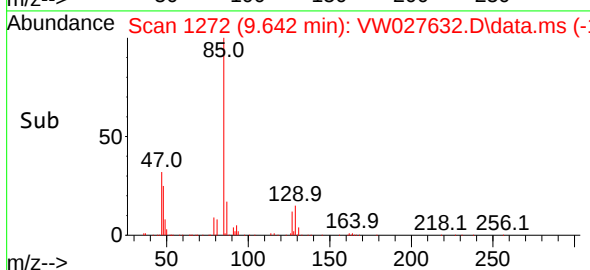
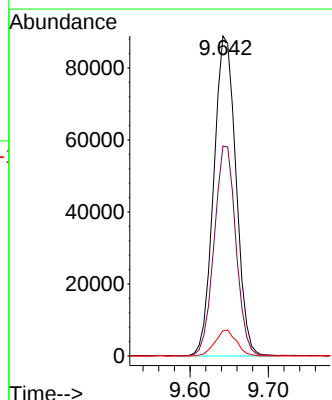
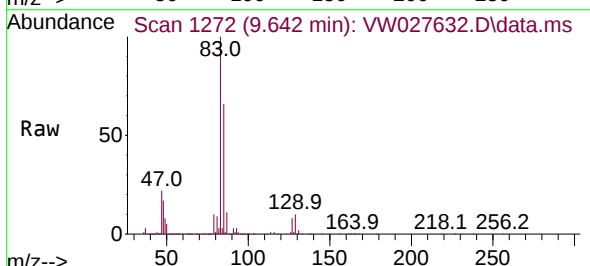
Tgt Ion: 83 Resp: 175566

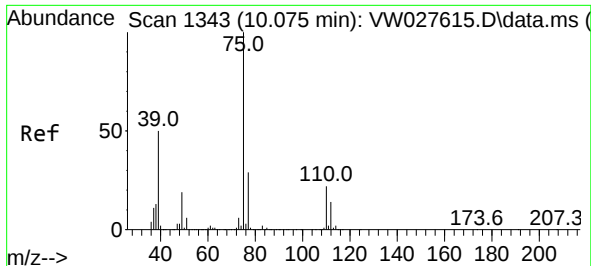
Ion Ratio Lower Upper

83 100

85 65.6 44.3 82.3

127 7.9 5.3 7.9





#39

cis-1,3-Dichloropropene

Concen: 27.467 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

Instrument :

MSVOA_W

ClientSampleId :

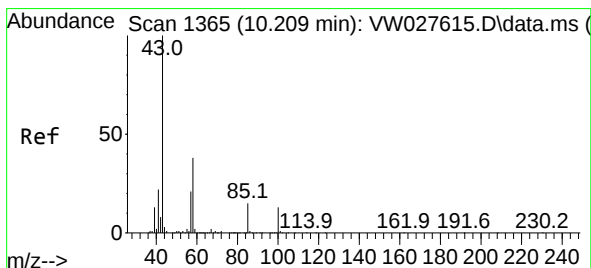
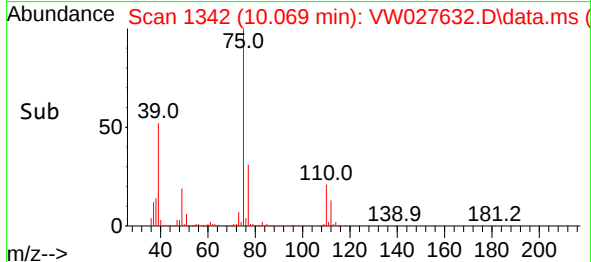
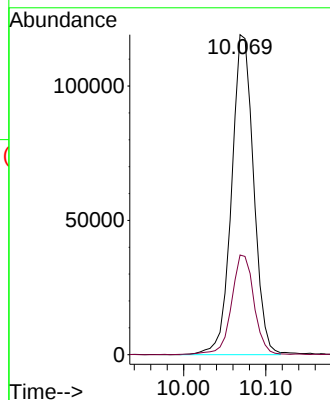
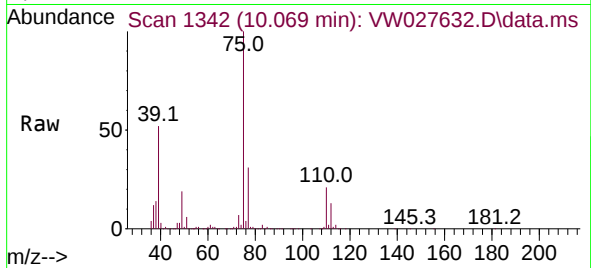
VSTD025564

Tgt Ion: 75 Resp: 221623

Ion Ratio Lower Upper

75 100

77 31.2 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 39.740 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

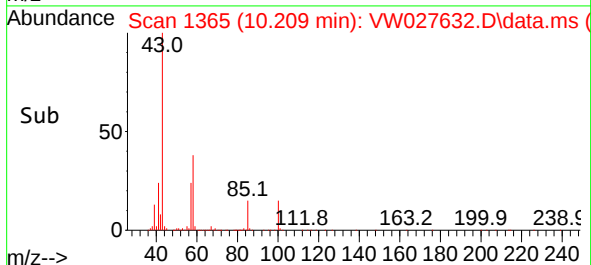
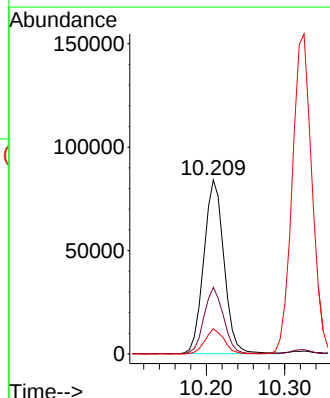
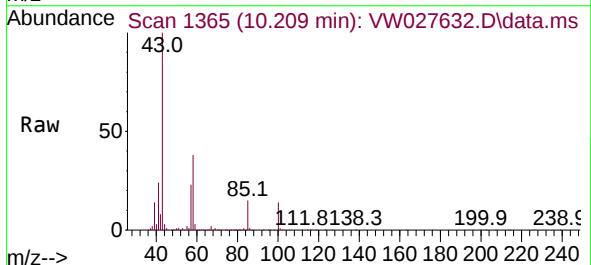
Tgt Ion: 43 Resp: 150142

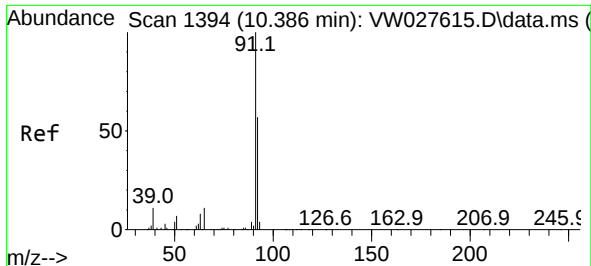
Ion Ratio Lower Upper

43 100

58 37.2 29.6 44.4

100 13.8 11.1 16.7

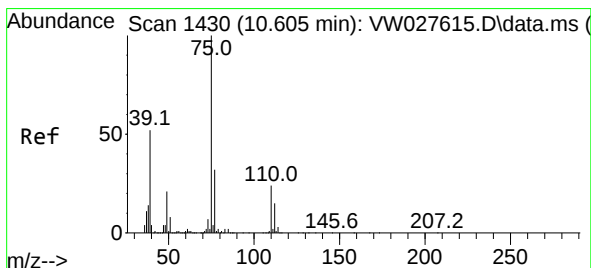
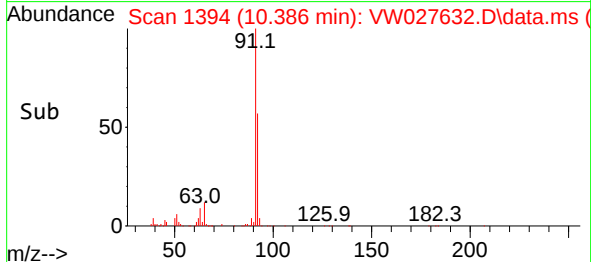
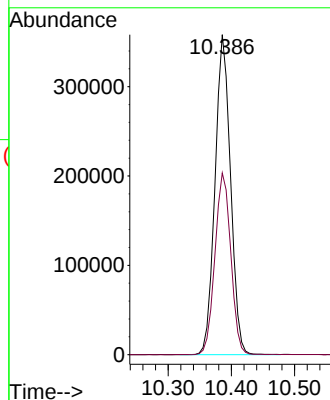
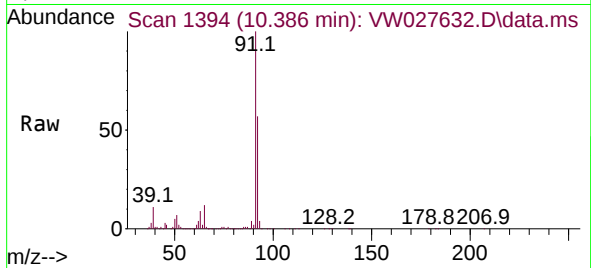




#42
Toluene
Concen: 27.155 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

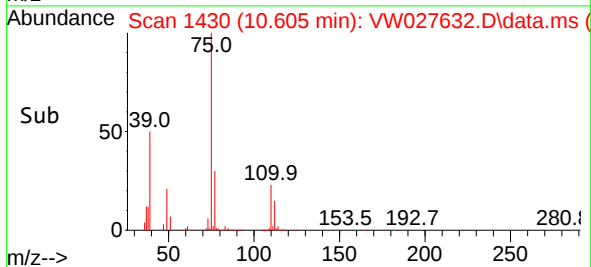
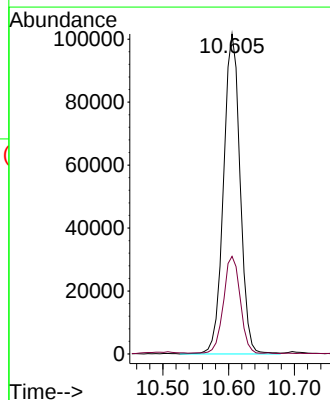
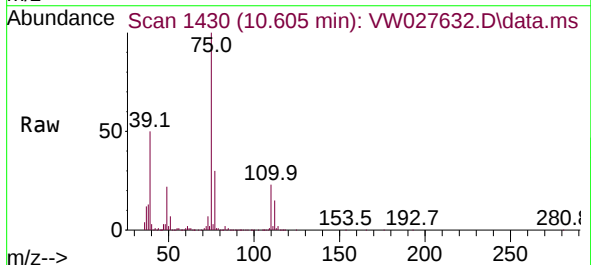
Instrument :
MSVOA_W
ClientSampleId :
VSTD025564

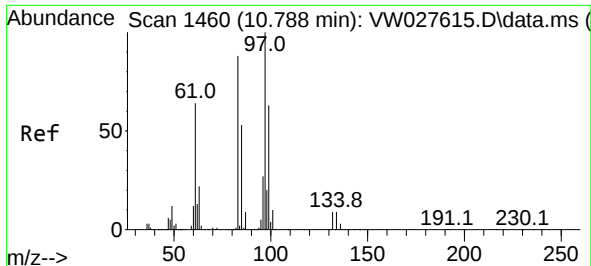
Tgt Ion: 91 Resp: 608005
Ion Ratio Lower Upper
91 100
92 56.8 41.4 76.8



#44
trans-1,3-Dichloropropene
Concen: 27.380 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

Tgt Ion: 75 Resp: 178214
Ion Ratio Lower Upper
75 100
77 30.5 23.7 44.1

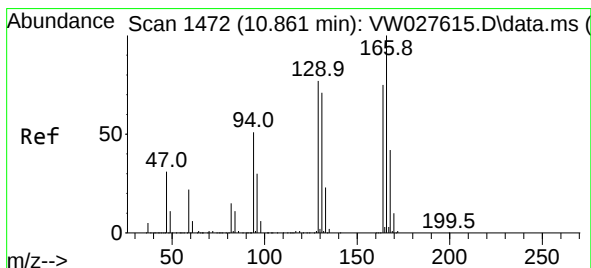
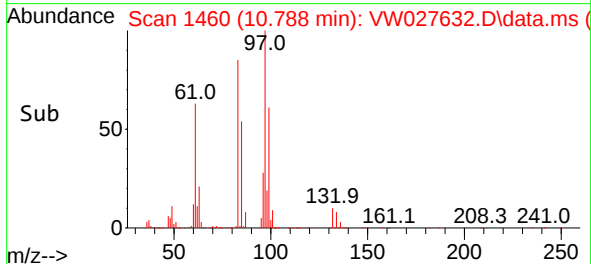
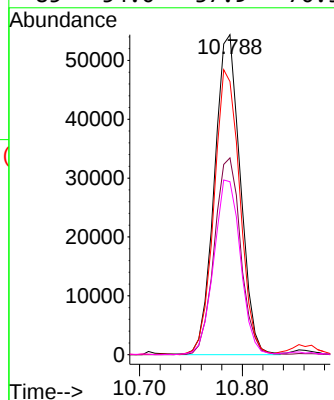
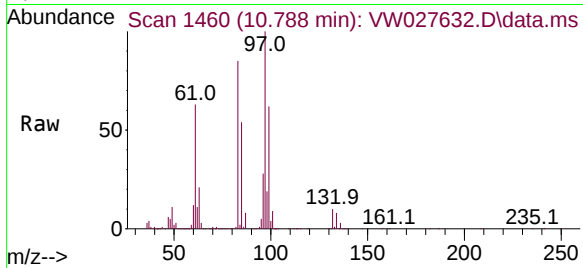




#45
1,1,2-Trichloroethane
Concen: 24.501 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

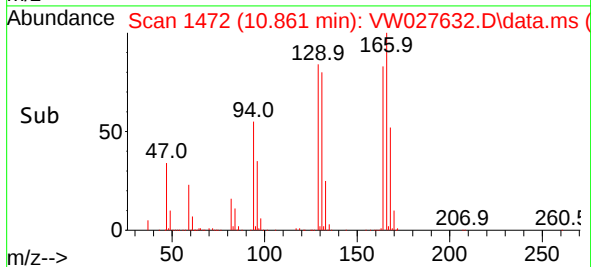
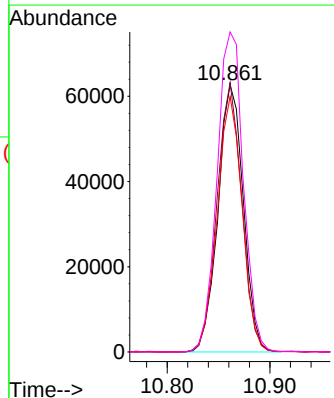
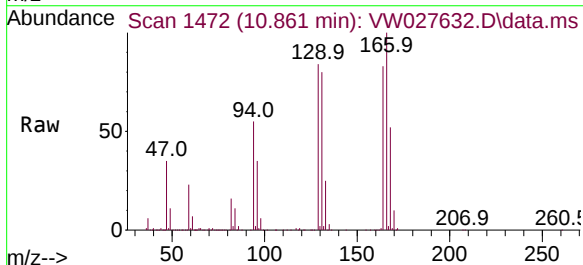
Instrument :
MSVOA_W
ClientSampleId :
VSTD025564

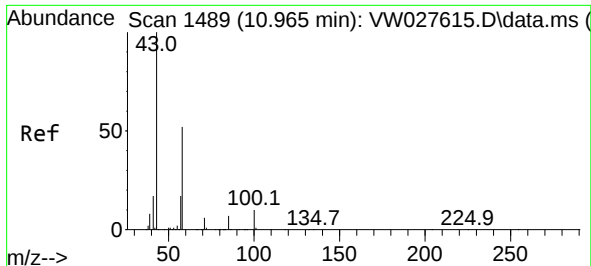
Tgt Ion:	97	Resp:	95372
Ion	Ratio	Lower	Upper
97	100		
99	61.5	42.8	79.4
83	85.3	59.9	111.3
85	54.0	37.9	70.5



#46
Tetrachloroethene
Concen: 26.075 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

Tgt Ion:	164	Resp:	107486
Ion	Ratio	Lower	Upper
164	100		
129	100.8	71.0	131.8
131	95.6	61.2	113.6
166	119.8	86.6	160.8

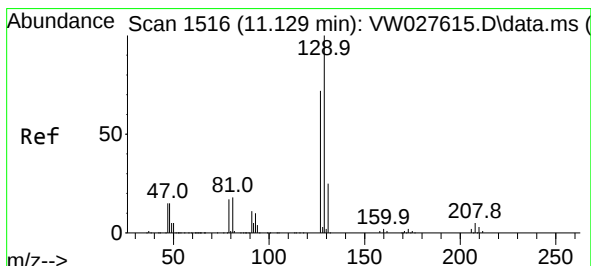
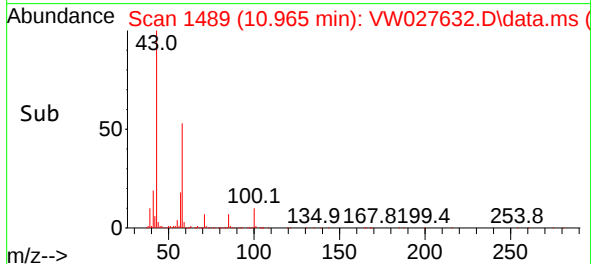
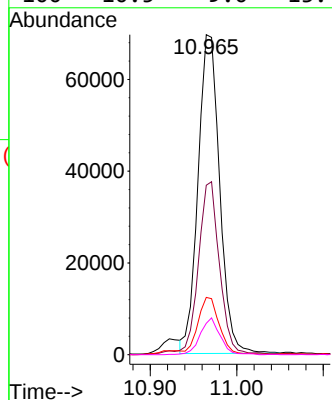
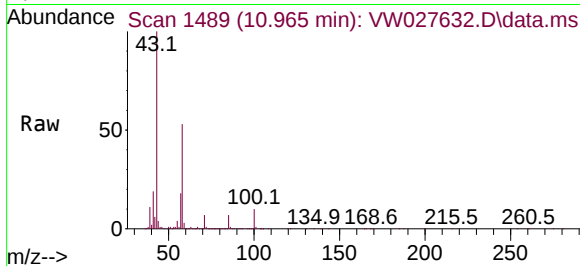




#48
2-Hexanone
Concen: 45.318 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

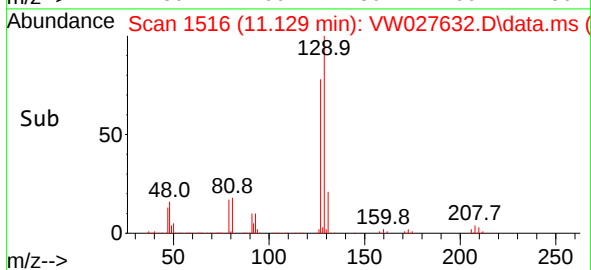
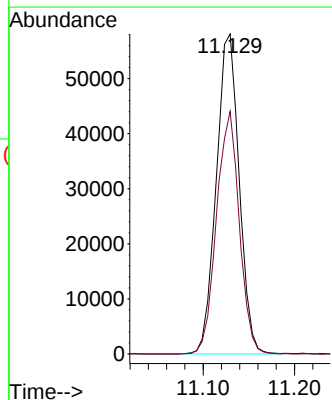
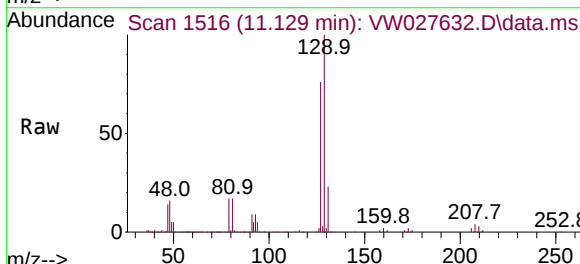
Instrument :
MSVOA_W
ClientSampleId :
VSTD025564

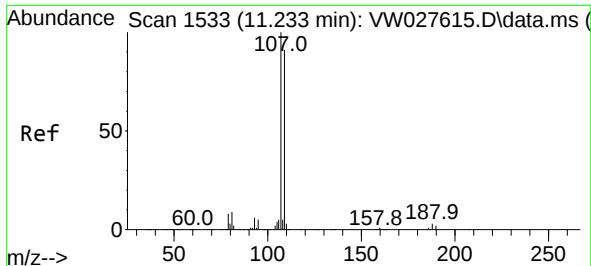
Tgt Ion: 43 Resp: 120665
Ion Ratio Lower Upper
43 100
58 52.4 40.8 61.2
57 17.3 14.8 22.2
100 10.5 9.0 13.4



#49
Dibromochloromethane
Concen: 26.276 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

Tgt Ion: 129 Resp: 101104
Ion Ratio Lower Upper
129 100
127 75.8 52.3 97.1





#50

1,2-Dibromoethane

Concen: 23.962 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025564

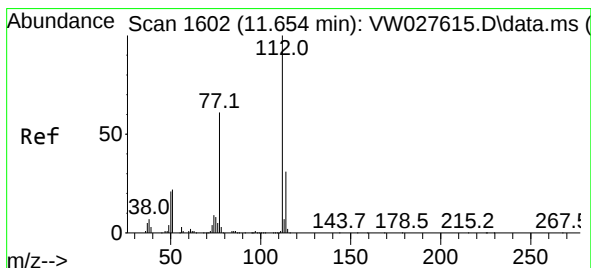
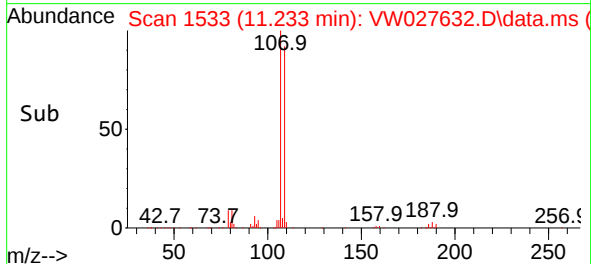
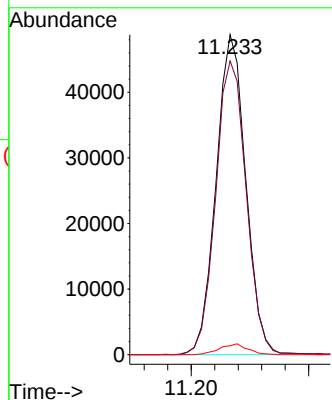
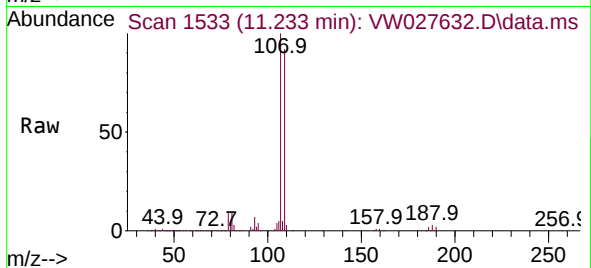
Tgt Ion:107 Resp: 85337

Ion Ratio Lower Upper

107 100

109 91.8 64.8 120.3

188 2.8 2.7 4.1



#51

Chlorobenzene

Concen: 27.860 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

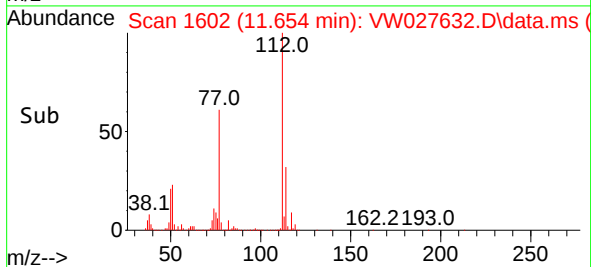
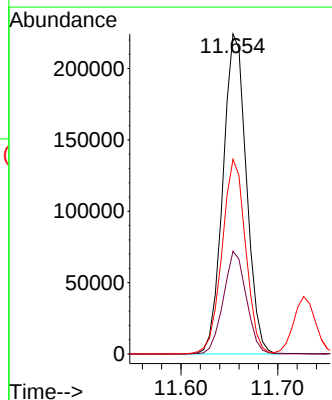
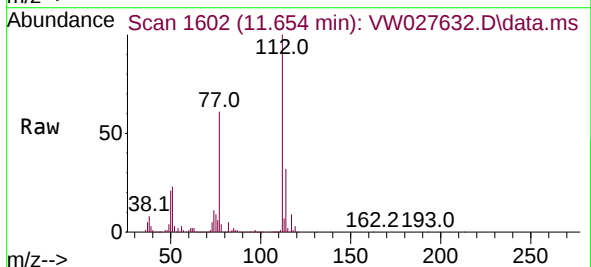
Tgt Ion:112 Resp: 376333

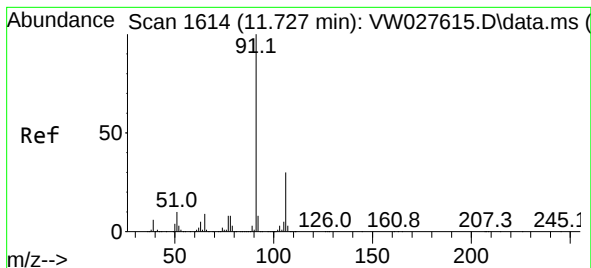
Ion Ratio Lower Upper

112 100

114 32.1 21.5 39.9

77 60.8 50.6 76.0

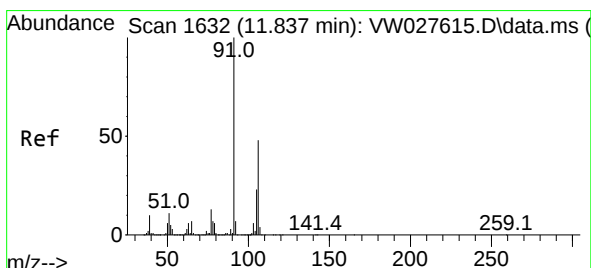
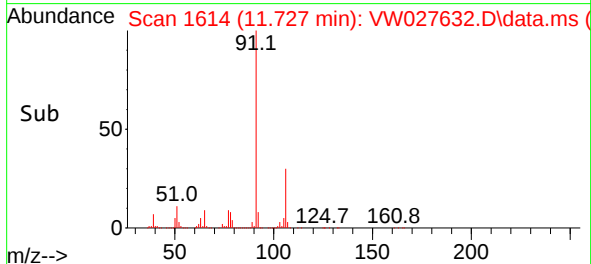
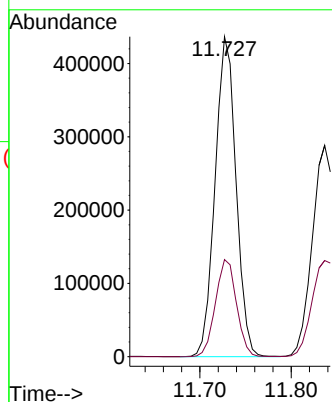
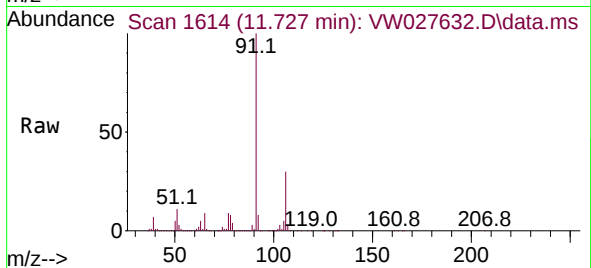




#52
Ethylbenzene
Concen: 27.320 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

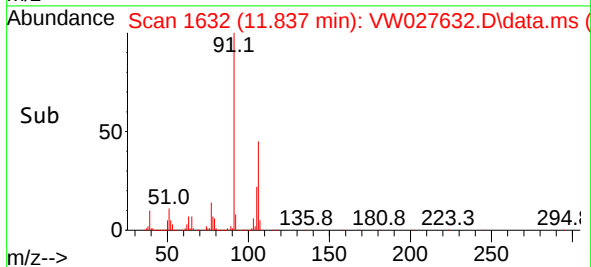
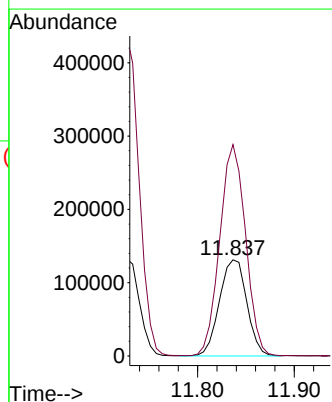
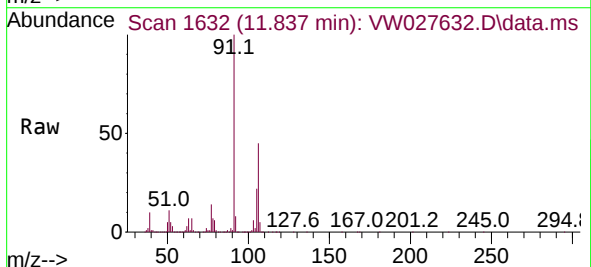
Instrument :
MSVOA_W
ClientSampleId :
VSTD025564

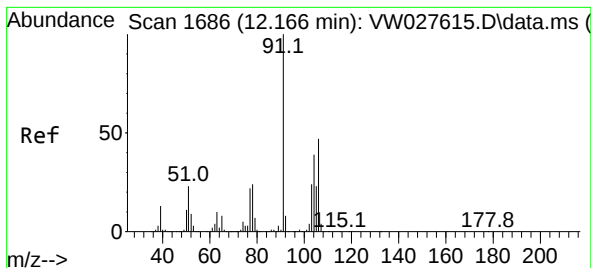
Tgt Ion: 91 Resp: 694850
Ion Ratio Lower Upper
91 100
106 30.3 19.5 36.1



#53
m,p-Xylene
Concen: 27.479 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

Tgt Ion:106 Resp: 257528
Ion Ratio Lower Upper
106 100
91 219.9 142.1 263.9





#54

o-Xylene

Concen: 29.244 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

Instrument :

MSVOA_W

ClientSampleId :

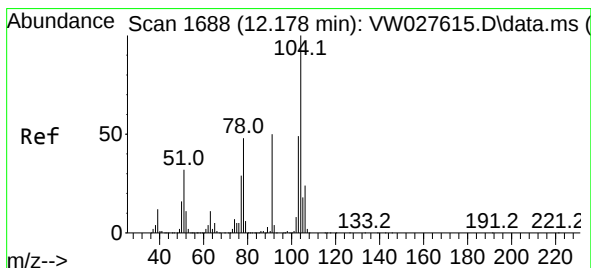
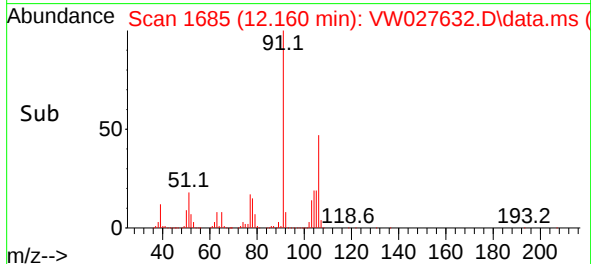
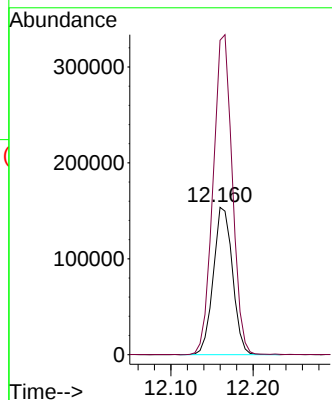
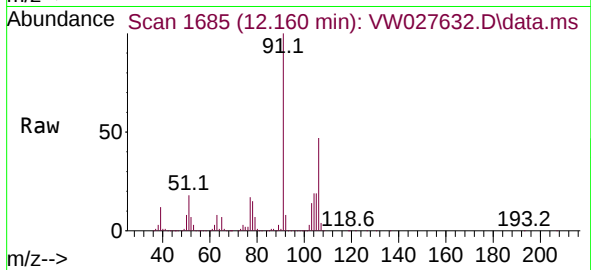
VSTD025564

Tgt Ion:106 Resp: 249098

Ion Ratio Lower Upper

106 100

91 213.2 158.8 295.0



#55

Styrene

Concen: 29.057 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW027632.D

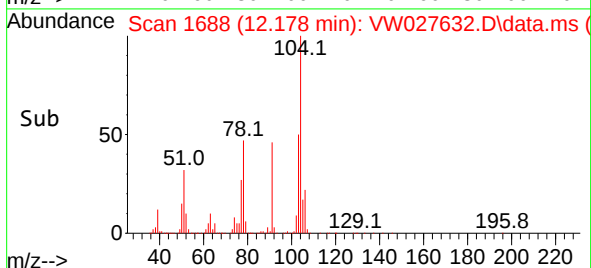
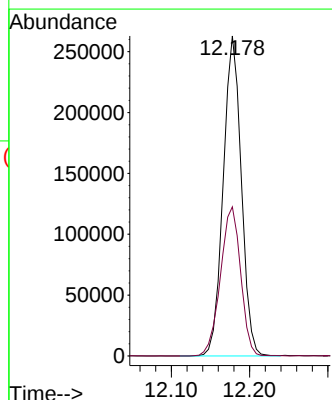
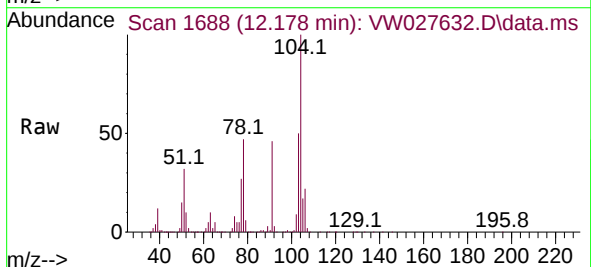
Acq: 14 Dec 2023 16:56

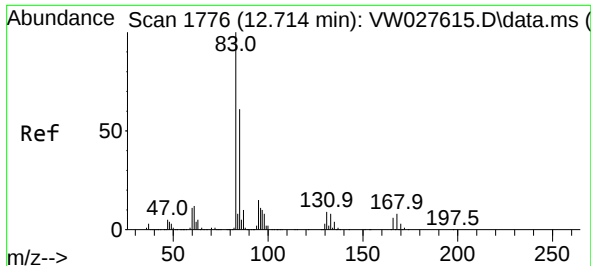
Tgt Ion:104 Resp: 422449

Ion Ratio Lower Upper

104 100

78 46.6 33.9 62.9





#57

1,1,2,2-Tetrachloroethane

Concen: 21.772 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025564

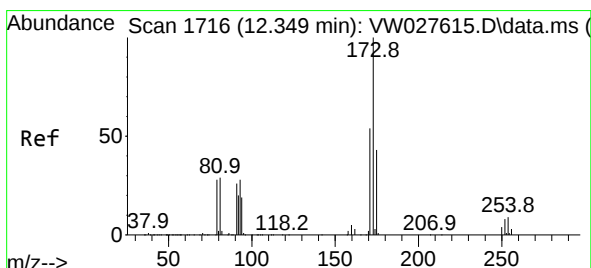
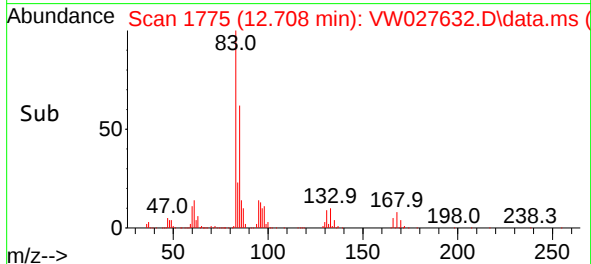
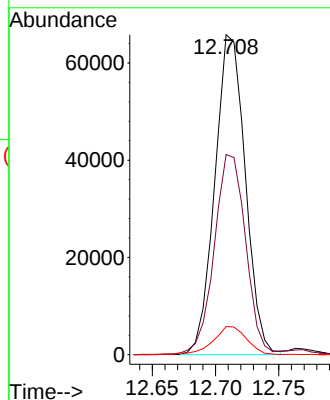
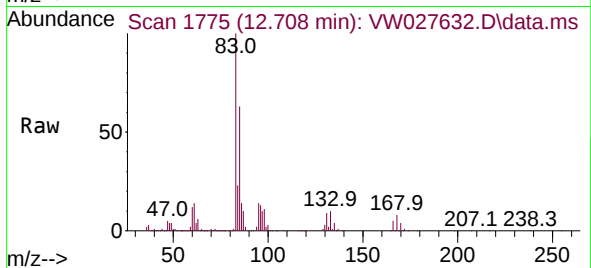
Tgt Ion: 83 Resp: 110332

Ion Ratio Lower Upper

83 100

85 62.6 41.9 77.7

131 8.8 7.0 10.6



#59

Bromoform

Concen: 21.851 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

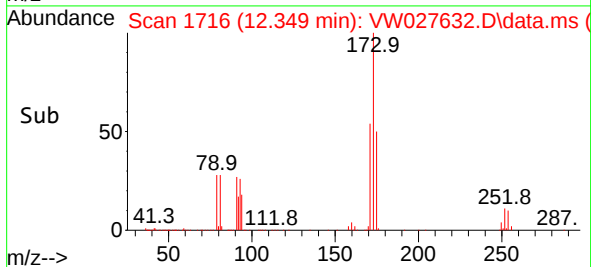
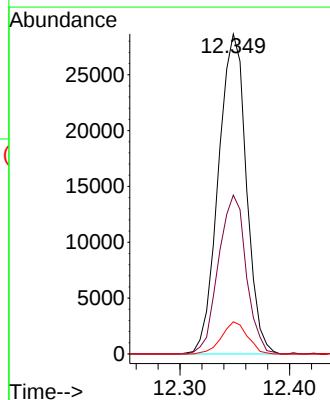
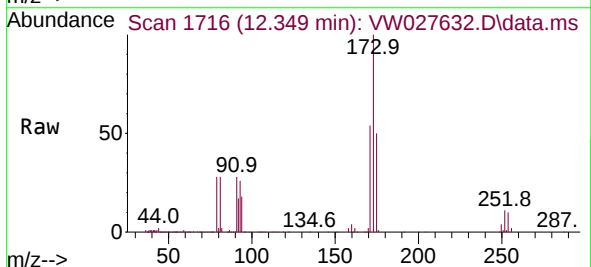
Tgt Ion:173 Resp: 50796

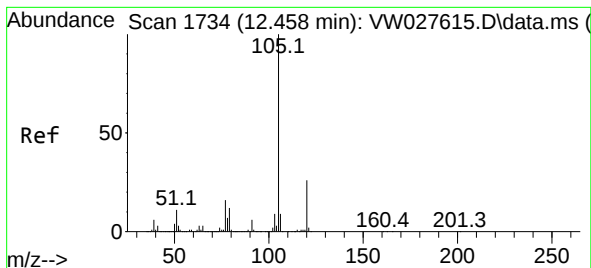
Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.0

254 9.3 7.8 11.8





#60

Isopropylbenzene

Concen: 25.346 ug/L

RT: 12.458 min Scan# 1734

Delta R.T. 0.000 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025564

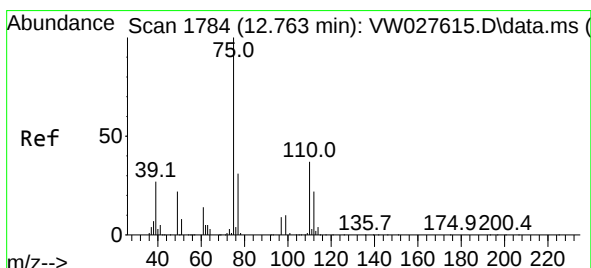
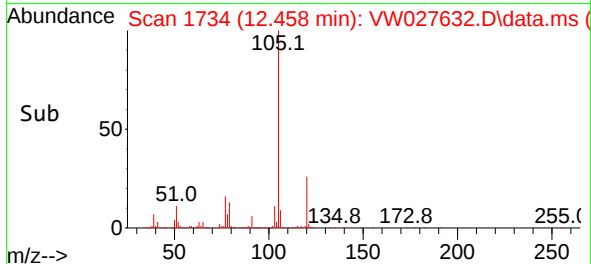
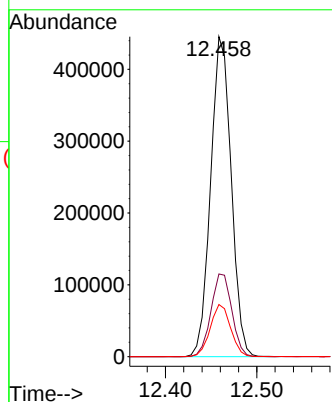
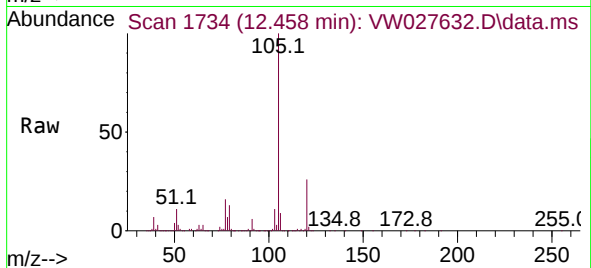
Tgt Ion:105 Resp: 694605

Ion Ratio Lower Upper

105 100

120 26.3 20.3 30.5

77 16.2 13.1 19.7



#61

1,2,3-Trichloropropane

Concen: 19.529 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

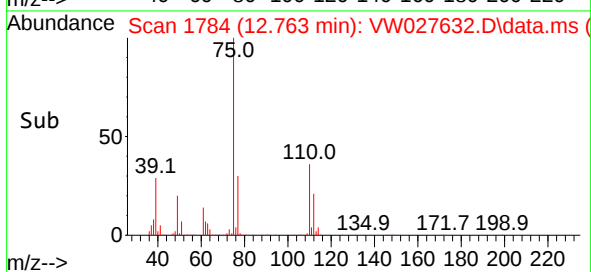
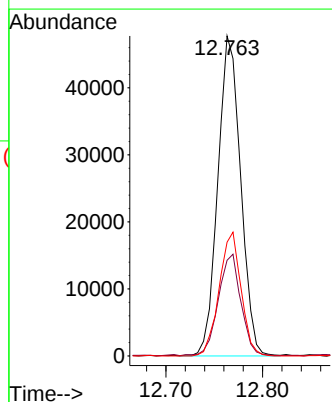
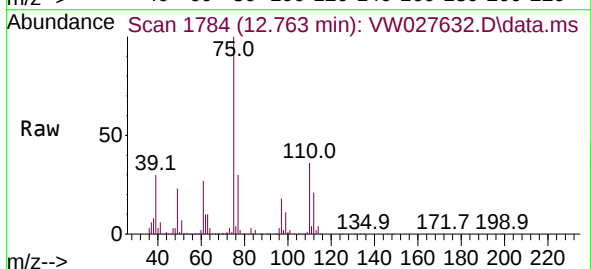
Tgt Ion: 75 Resp: 78182

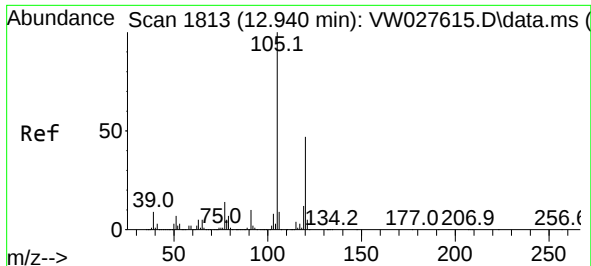
Ion Ratio Lower Upper

75 100

77 31.5 26.6 39.8

110 37.1 30.2 45.4

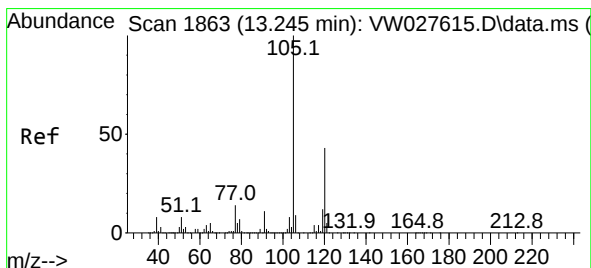
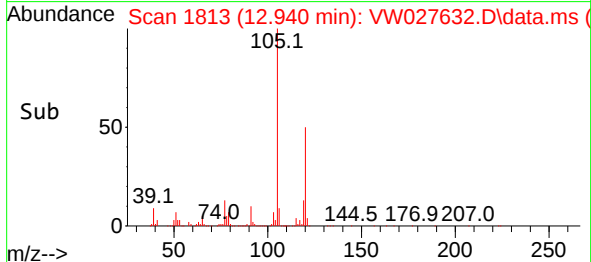
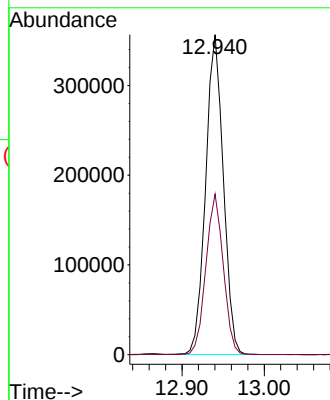
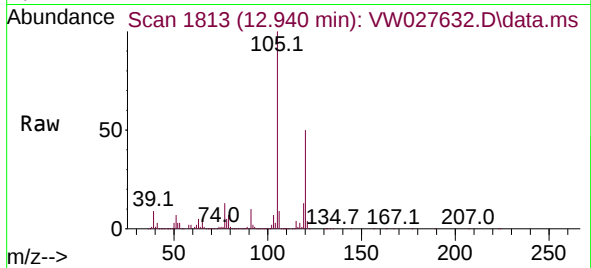




#62
1,3,5-Trimethylbenzene
Concen: 26.268 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

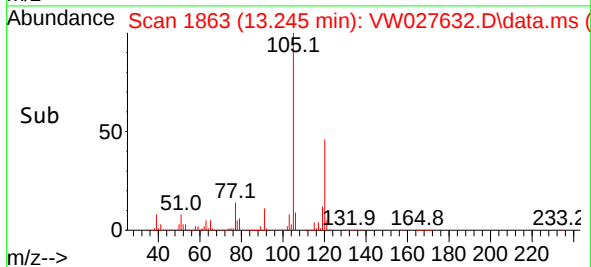
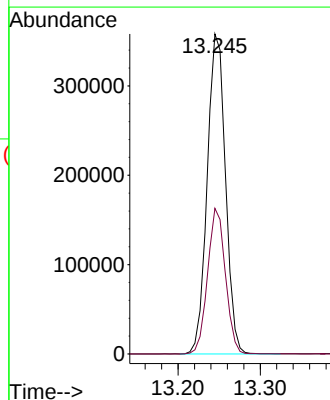
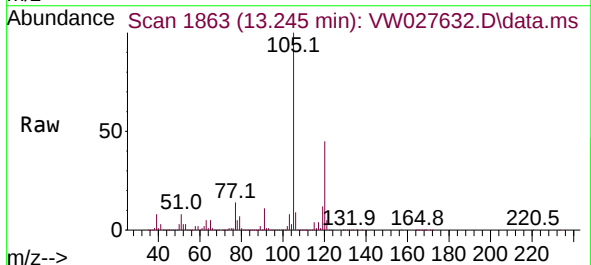
Instrument :
MSVOA_W
ClientSampleId :
VSTD025564

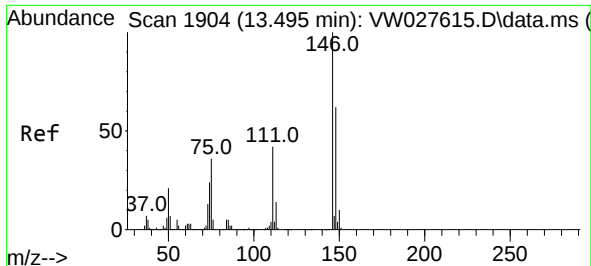
Tgt Ion:105 Resp: 532436
Ion Ratio Lower Upper
105 100
120 49.5 38.7 58.1



#63
1,2,4-Trimethylbenzene
Concen: 27.412 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

Tgt Ion:105 Resp: 553372
Ion Ratio Lower Upper
105 100
120 44.3 36.9 55.3

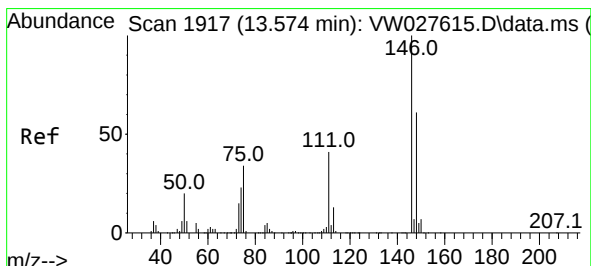
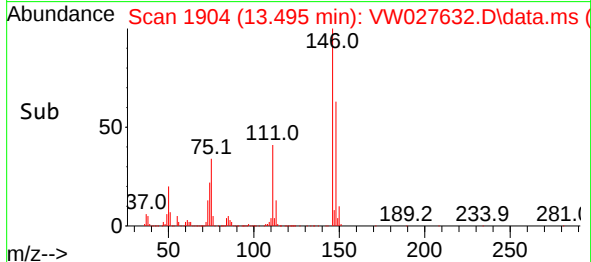
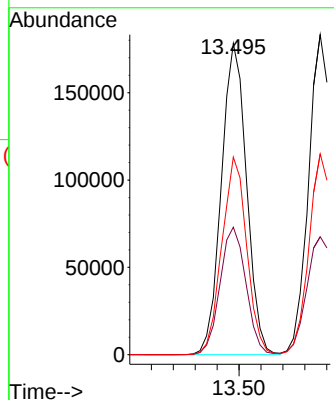
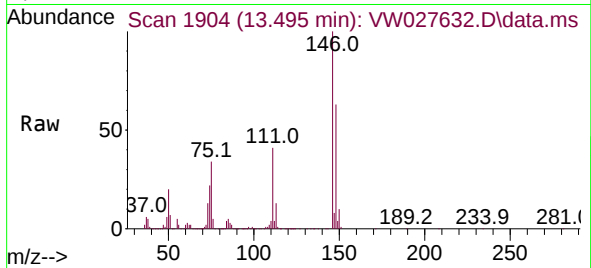




#64
1,3-Dichlorobenzene
Concen: 27.113 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

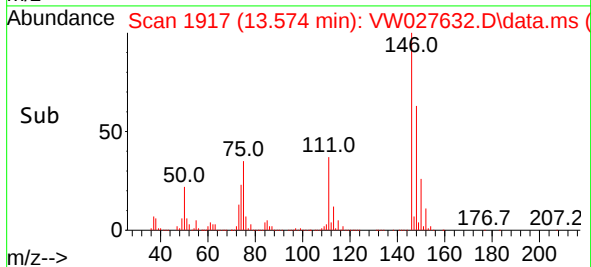
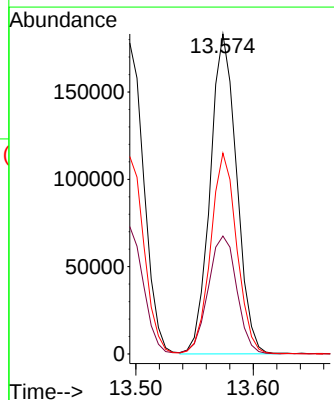
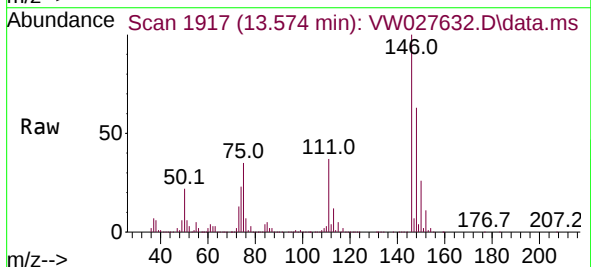
Instrument :
MSVOA_W
ClientSampleId :
VSTD025564

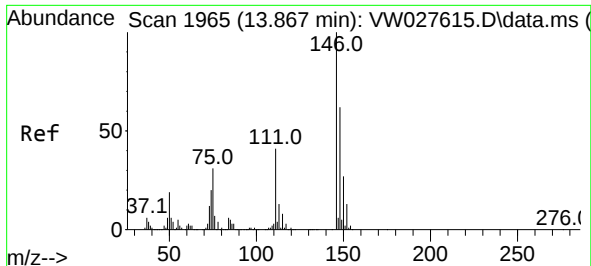
Tgt Ion:146 Resp: 284610
Ion Ratio Lower Upper
146 100
111 41.0 29.5 54.7
148 63.5 42.8 79.6



#65
1,4-Dichlorobenzene
Concen: 27.360 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW027632.D
Acq: 14 Dec 2023 16:56

Tgt Ion:146 Resp: 286472
Ion Ratio Lower Upper
146 100
111 36.8 28.9 53.7
148 62.7 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 25.752 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025564

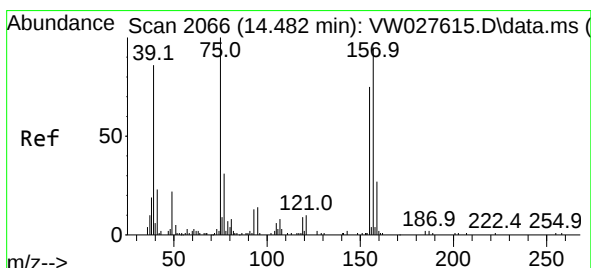
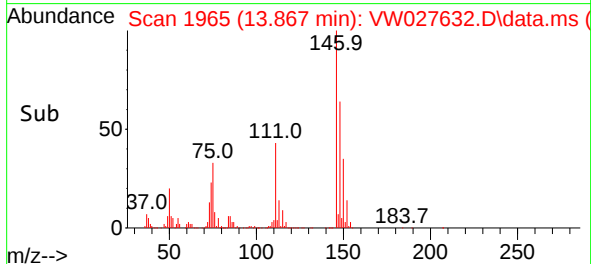
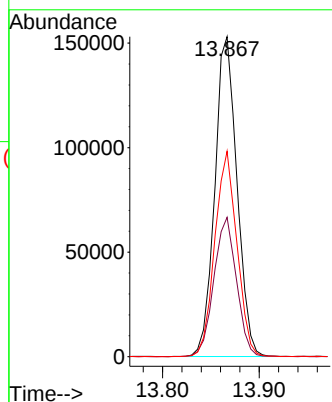
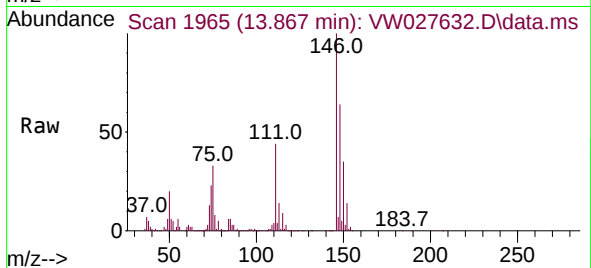
Tgt Ion:146 Resp: 243547

Ion Ratio Lower Upper

146 100

111 43.6 33.9 50.9

148 64.2 49.5 74.3



#68

1,2-Dibromo-3-chloropropane

Concen: 17.265 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

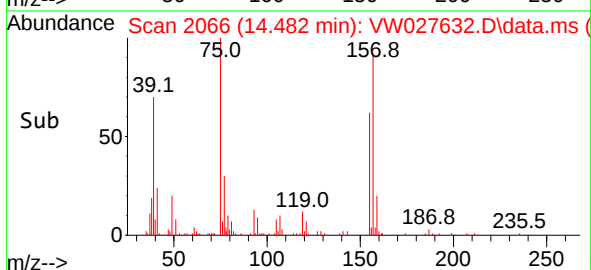
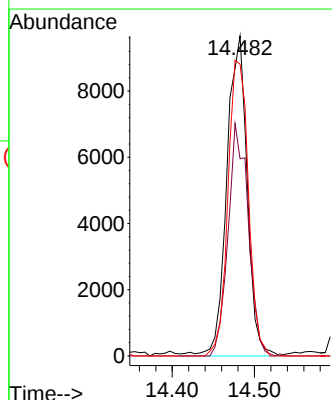
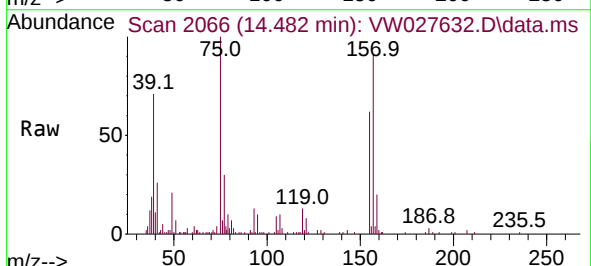
Tgt Ion: 75 Resp: 16626

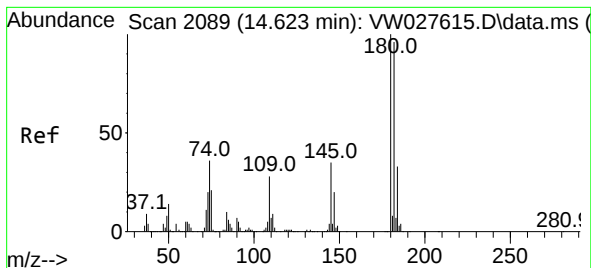
Ion Ratio Lower Upper

75 100

155 61.7 65.8 98.8#

157 91.2 63.0 94.6





#69

1,3,5-Trichlorobenzene

Concen: 27.625 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025564

Tgt Ion:180 Resp: 195003

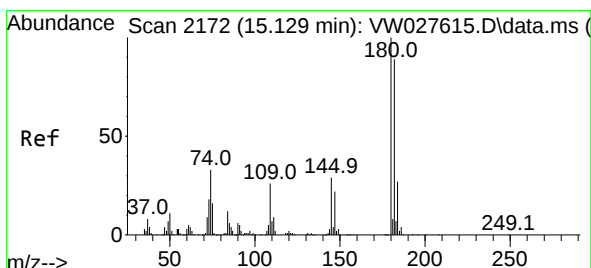
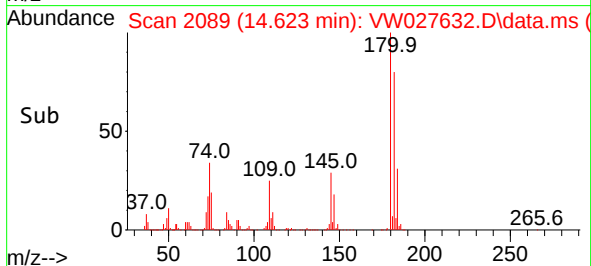
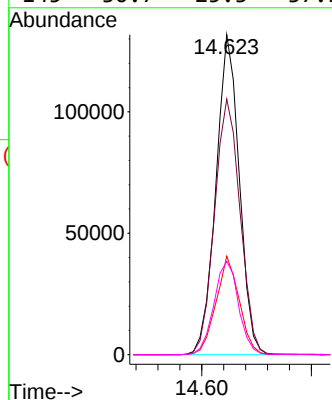
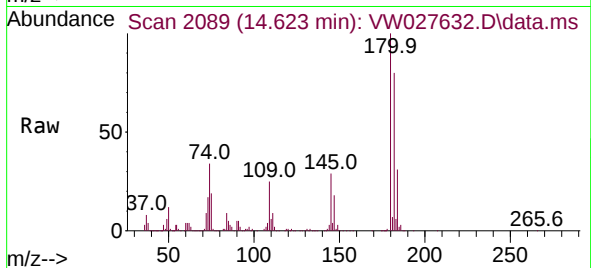
Ion Ratio Lower Upper

180 100

182 87.3 73.2 109.8

184 30.7 25.4 38.2

145 30.7 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 28.144 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

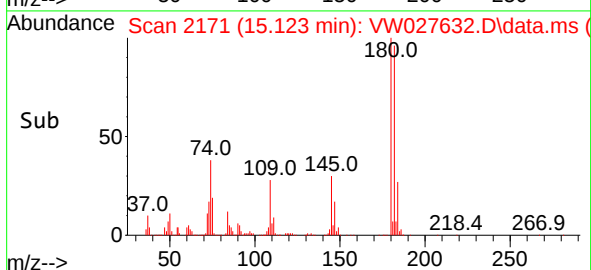
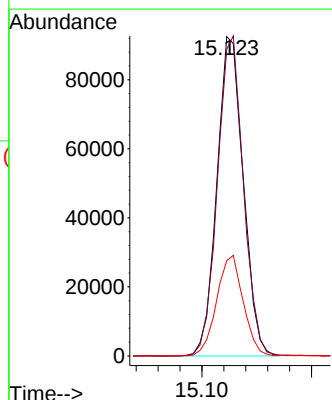
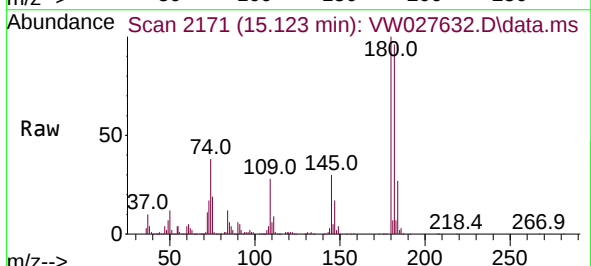
Tgt Ion:180 Resp: 154272

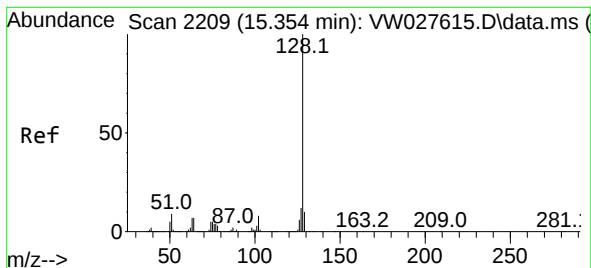
Ion Ratio Lower Upper

180 100

182 98.6 78.7 118.1

145 31.7 26.8 40.2





#71

Naphthalene

Concen: 23.213 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025564

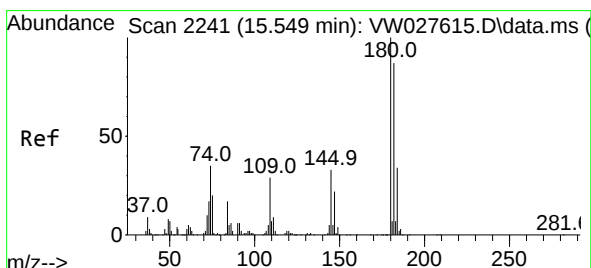
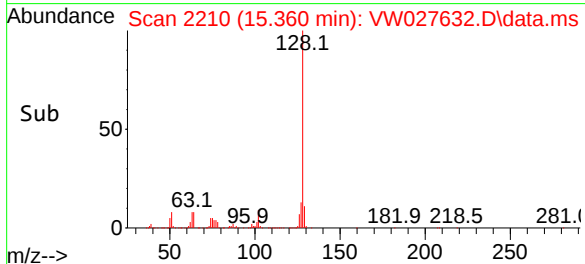
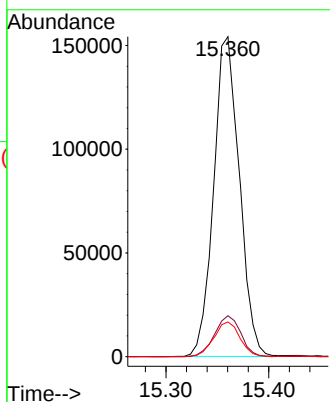
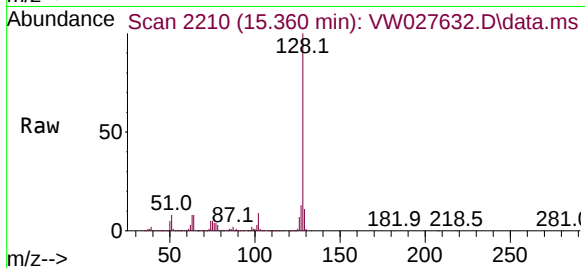
Tgt Ion:128 Resp: 267632

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 11.1 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 28.262 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW027632.D

Acq: 14 Dec 2023 16:56

Tgt Ion:180 Resp: 132709

Ion Ratio Lower Upper

180 100

182 92.6 72.4 108.6

145 33.2 27.4 41.0

