

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120623\
 Data File : VW027569.D
 Acq On : 06 Dec 2023 16:15
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025554

Quant Time: Dec 07 07:02:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 07 06:54:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	217954	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	185232	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	88706	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	102408	23.349	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.400%
7) Chloroethane-d5	2.899	69	77652	24.422	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.680%
11) 1,1-Dichloroethene-d2	4.027	65	45923	24.745	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.960%
21) 2-Butanone-d5	7.337	46	143	0.124	ug/L	0.26
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.240%#
24) Chloroform-d	7.654	84	157061	24.142	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.560%
26) 1,2-Dichloroethane-d4	8.307	65	71294	21.430	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.720%
32) Benzene-d6	8.276	84	334910	25.671	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.680%
36) 1,2-Dichloropropane-d6	9.276	67	96294	25.037	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.160%
41) Toluene-d8	10.325	98	295107	25.853	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.400%
43) trans-1,3-Dichloroprop...	10.575	79	31537	21.204	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.800%
47) 2-Hexanone-d5	10.922	63	23627	32.971	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.940%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	61935	19.578	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	78.320%
66) 1,2-Dichlorobenzene-d4	13.848	152	79324	25.511	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	57155	19.585	ug/L	98
3) Chloromethane	2.222	50	77344	21.640	ug/L	97
5) Vinyl chloride	2.375	62	91170	21.868	ug/L	94
6) Bromomethane	2.795	94	46755	21.369	ug/L	99
8) Chloroethane	2.936	64	52241	21.939	ug/L	95
9) Trichlorofluoromethane	3.277	101	94391	23.639	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	42079	12.358	ug/L #	69
12) 1,1-Dichloroethene	4.051	96	72096	23.191	ug/L	88
13) Acetone	4.118	43	33992	30.680	ug/L	99
14) Carbon disulfide	4.393	76	197371	21.009	ug/L	99
15) Methyl Acetate	4.673	43	26902	13.893	ug/L	93
16) Methylene chloride	4.923	84	72414	20.374	ug/L	95
17) trans-1,2-Dichloroethene	5.435	96	72723	22.687	ug/L	95
18) Methyl tert-butyl Ether	5.423	73	99896	19.320	ug/L	98
19) 1,1-Dichloroethane	6.222	63	146252	22.435	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	75548	21.945	ug/L	98
22) 2-Butanone	7.173	43	38348	26.829	ug/L	76
23) Bromochloromethane	7.514	128	27032	19.964	ug/L	93
25) Chloroform	7.679	83	133124	22.490	ug/L	94

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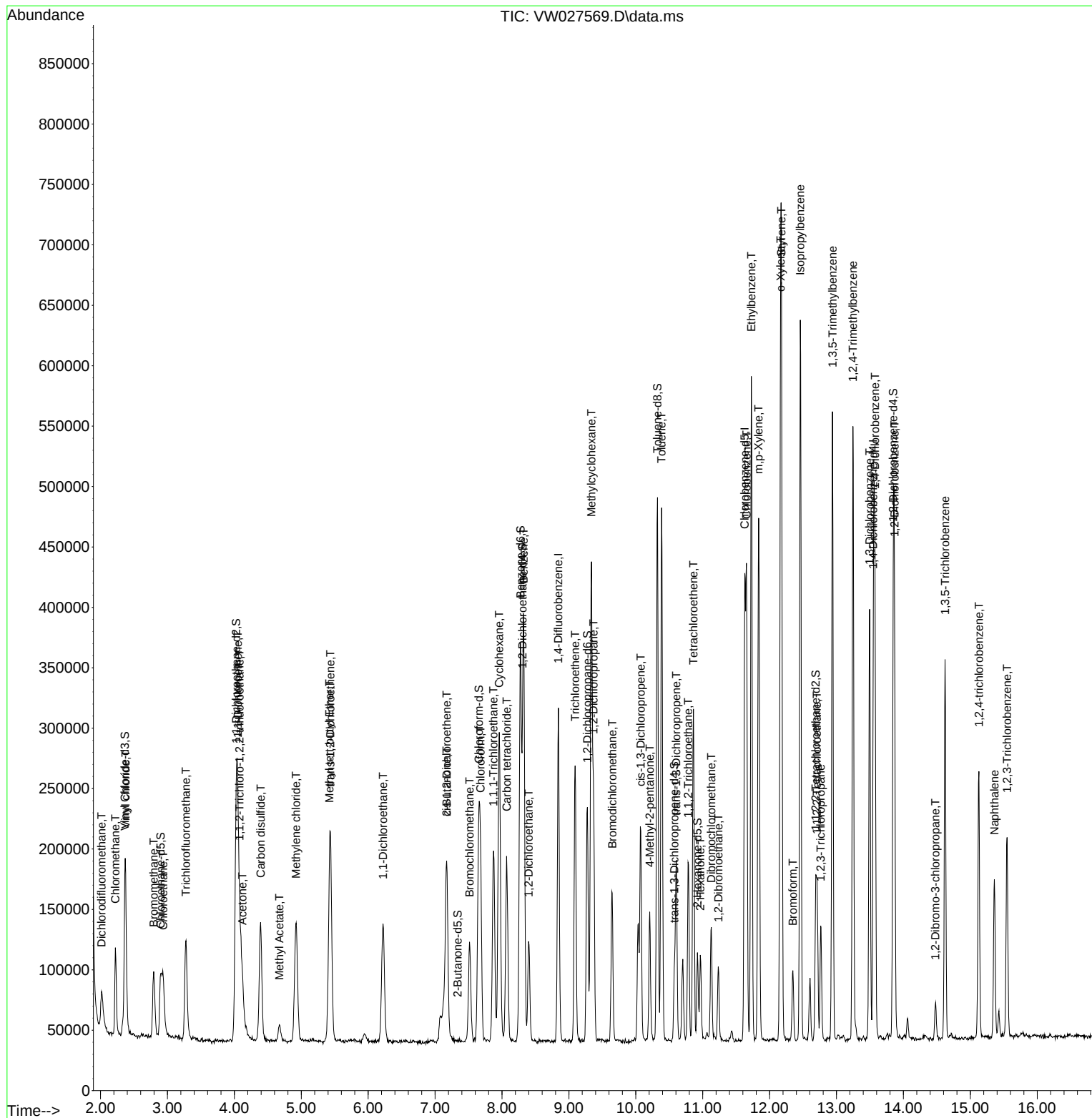
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	74940	19.589	ug/L	100
29) Cyclohexane	7.959	56	145498	23.892	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	127355	24.647	ug/L	99
31) Carbon tetrachloride	8.069	117	112326	24.923	ug/L	99
33) Benzene	8.325	78	306880	24.004	ug/L	100
34) Trichloroethene	9.093	95	83515	23.916	ug/L	97
35) Methylcyclohexane	9.337	83	153527	24.691	ug/L	99
37) 1,2-Dichloropropane	9.367	63	77305	22.902	ug/L	99
38) Bromodichloromethane	9.648	83	86222	22.096	ug/L	97
39) cis-1,3-Dichloropropene	10.075	75	106632	21.884	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	72760	31.890	ug/L	99
42) Toluene	10.386	91	320429	23.697	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	81003	20.607	ug/L	97
45) 1,1,2-Trichloroethane	10.782	97	46552	19.803	ug/L	98
46) Tetrachloroethene	10.861	164	59924	24.071	ug/L	91
48) 2-Hexanone	10.965	43	46219	28.743	ug/L	98
49) Dibromochloromethane	11.129	129	48040	20.674	ug/L	98
50) 1,2-Dibromoethane	11.233	107	41188	19.151	ug/L	96
51) Chlorobenzene	11.654	112	186771	22.895	ug/L	98
52) Ethylbenzene	11.727	91	378012	24.610	ug/L	98
53) m,p-Xylene	11.836	106	135860	24.005	ug/L	98
54) o-Xylene	12.166	106	124337	24.171	ug/L	93
55) Styrene	12.178	104	203935	23.227	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.708	83	55612	18.172	ug/L	100
59) Bromoform	12.349	173	24656	19.846	ug/L	99
60) Isopropylbenzene	12.458	105	371984	25.398	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	40333	18.851	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	267424	24.687	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	272234	25.233	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	136998	24.420	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	131843	23.561	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	116238	22.998	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.476	75	8271	16.072	ug/L	91
69) 1,3,5-Trichlorobenzene	14.623	180	89192	23.643	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	62983	21.500	ug/L	99
71) Naphthalene	15.360	128	107715	17.481	ug/L	98
72) 1,2,3-Trichlorobenzene	15.549	180	52687	20.995	ug/L	97

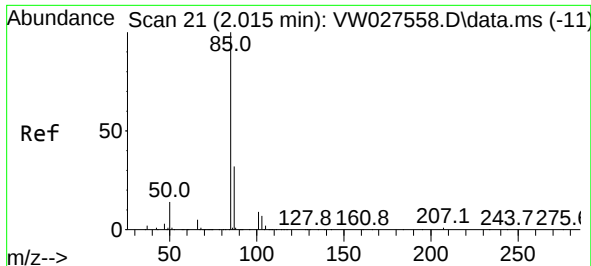
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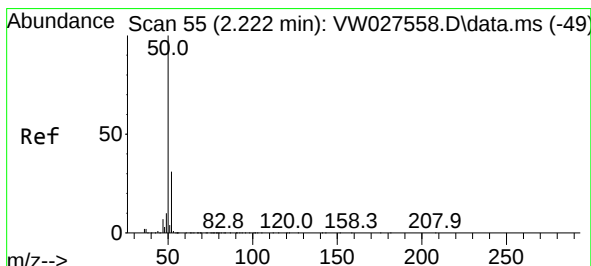
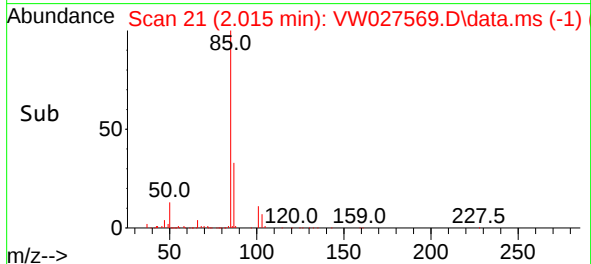
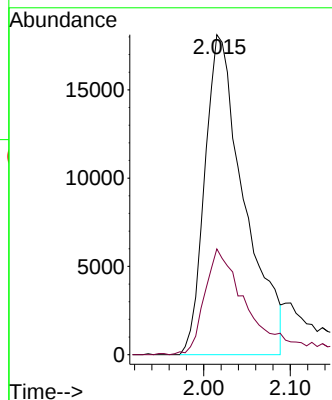
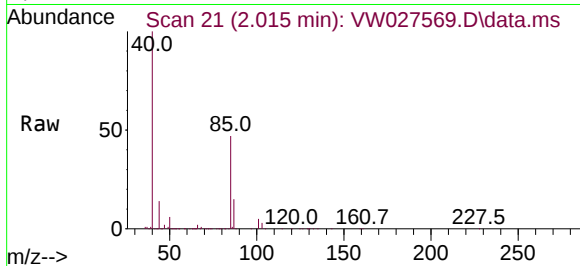




#2
 Dichlorodifluoromethane
 Concen: 19.585 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW027569.D
 Acq: 06 Dec 2023 16:15

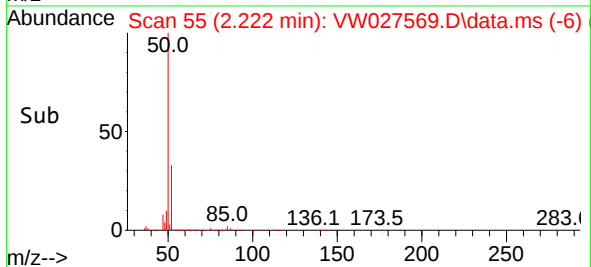
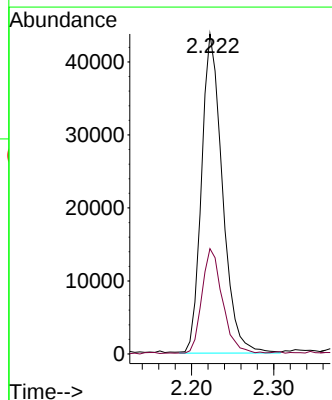
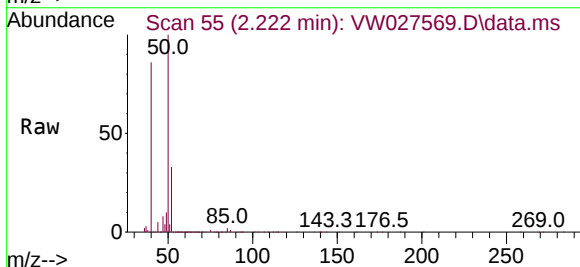
Instrument :
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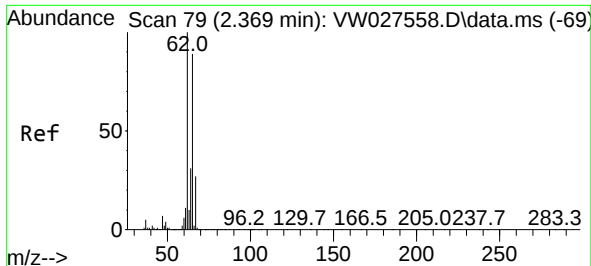
Tgt Ion: 85 Resp: 57155
 Ion Ratio Lower Upper
 85 100
 87 31.3 24.0 36.0



#3
 Chloromethane
 Concen: 21.640 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VW027569.D
 Acq: 06 Dec 2023 16:15

Tgt Ion: 50 Resp: 77344
 Ion Ratio Lower Upper
 50 100
 52 32.9 21.8 40.6

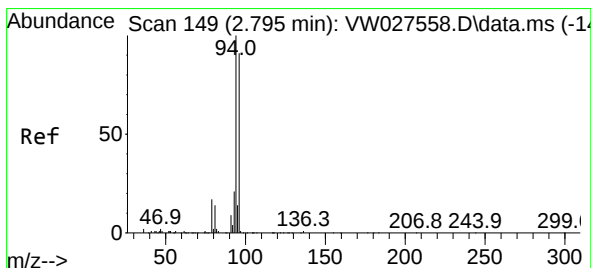
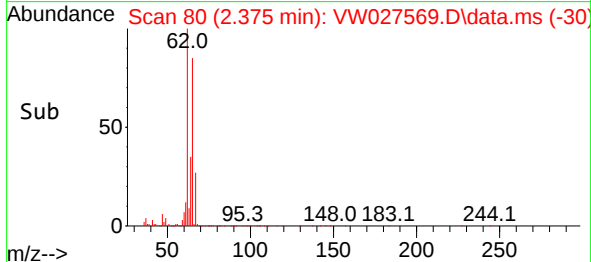
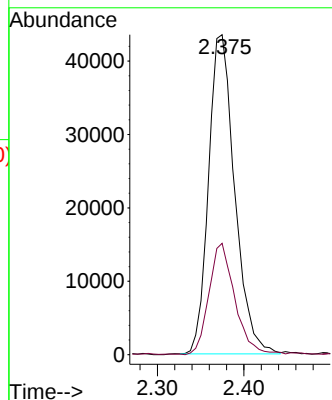
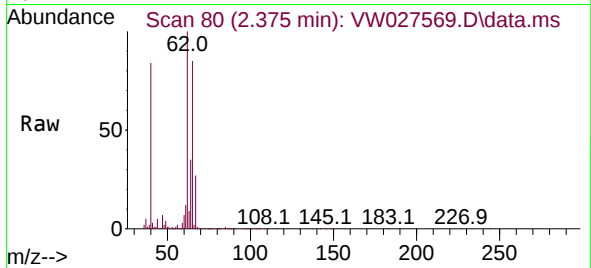




#5
 Vinyl chloride
 Concen: 21.868 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VW027569.D
 Acq: 06 Dec 2023 16:15

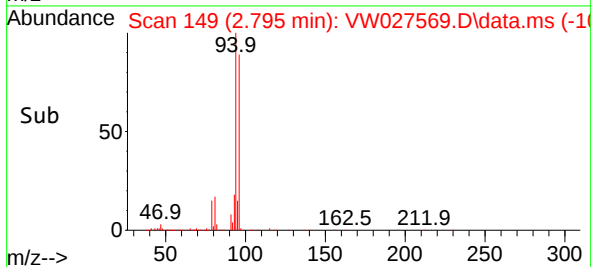
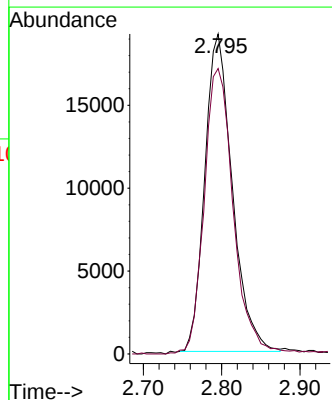
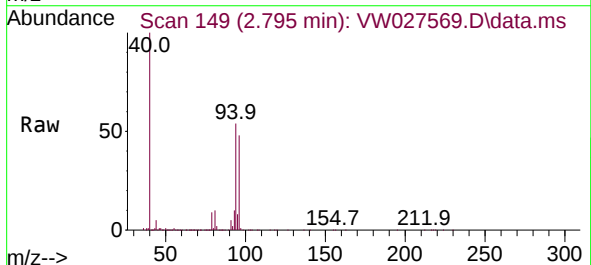
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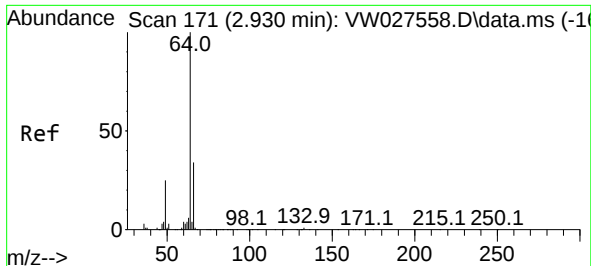
Tgt Ion: 62 Resp: 91170
 Ion Ratio Lower Upper
 62 100
 64 34.8 22.2 41.2



#6
 Bromomethane
 Concen: 21.369 ug/L
 RT: 2.795 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VW027569.D
 Acq: 06 Dec 2023 16:15

Tgt Ion: 94 Resp: 46755
 Ion Ratio Lower Upper
 94 100
 96 89.2 63.3 117.7

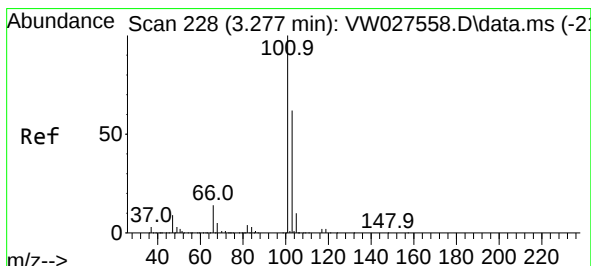
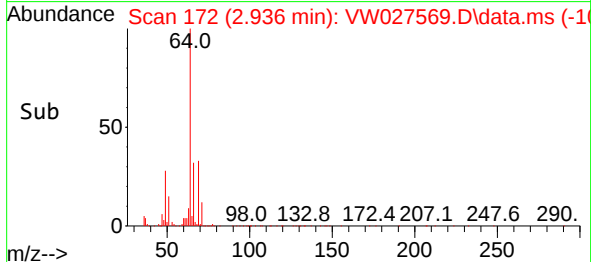
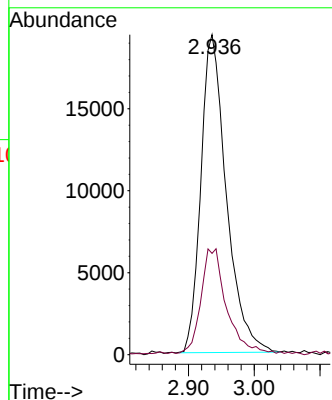
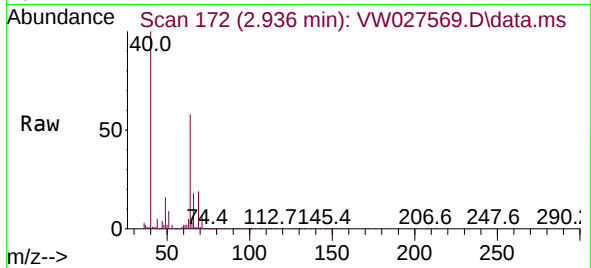




#8
Chloroethane
Concen: 21.939 ug/L
RT: 2.936 min Scan# 171
Delta R.T. 0.006 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

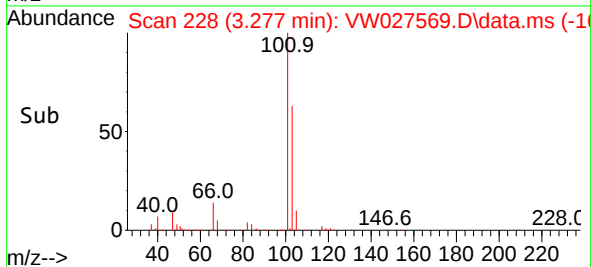
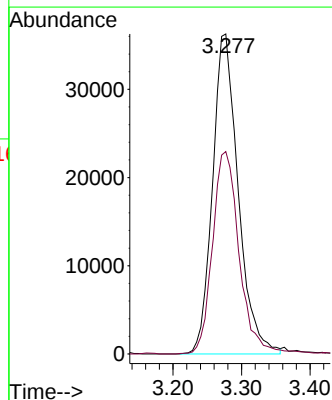
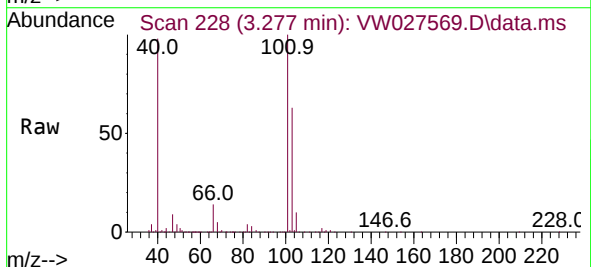
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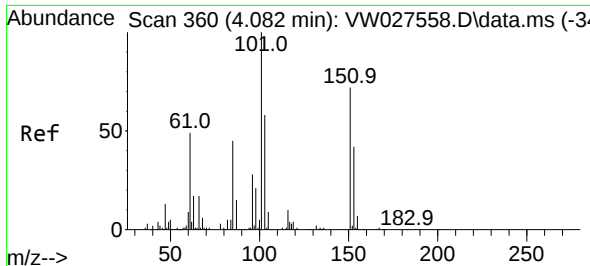
Tgt Ion: 64 Resp: 52241
Ion Ratio Lower Upper
64 100
66 31.7 24.1 44.7



#9
Trichlorofluoromethane
Concen: 23.639 ug/L
RT: 3.277 min Scan# 228
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

Tgt Ion: 101 Resp: 94391
Ion Ratio Lower Upper
101 100
103 65.4 52.0 78.0

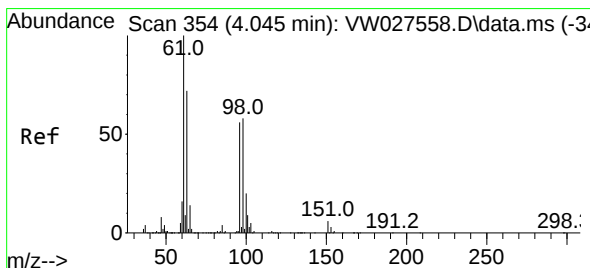
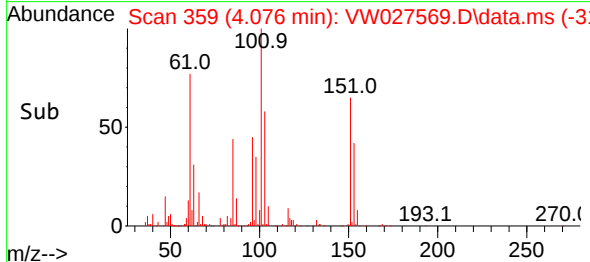
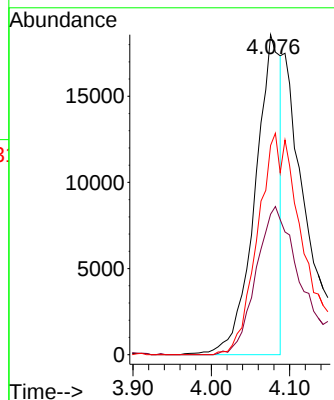
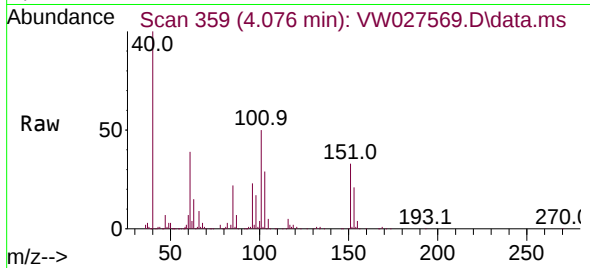




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 12.358 ug/L
 RT: 4.076 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: VW027569.D
 Acq: 06 Dec 2023 16:15

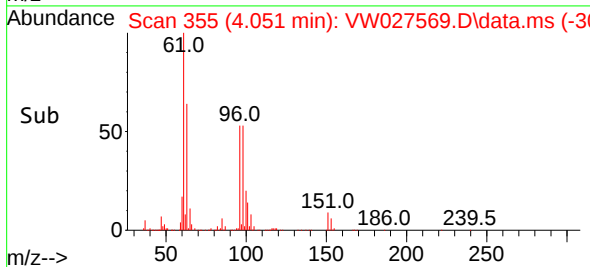
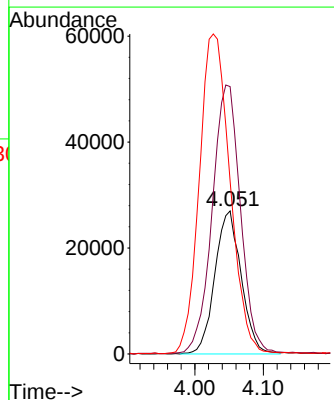
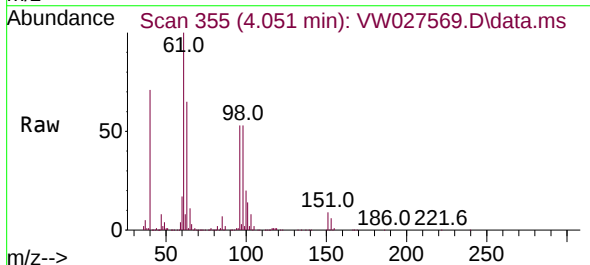
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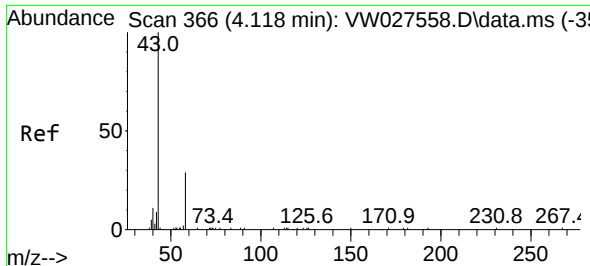
Tgt Ion:101 Resp: 42079
 Ion Ratio Lower Upper
 101 100
 85 84.2 33.9 50.9#
 151 61.1 54.6 81.8



#12
 1,1-Dichloroethene
 Concen: 23.191 ug/L
 RT: 4.051 min Scan# 355
 Delta R.T. 0.006 min
 Lab File: VW027569.D
 Acq: 06 Dec 2023 16:15

Tgt Ion: 96 Resp: 72096
 Ion Ratio Lower Upper
 96 100
 61 187.0 127.8 237.4
 63 120.8 104.9 194.7

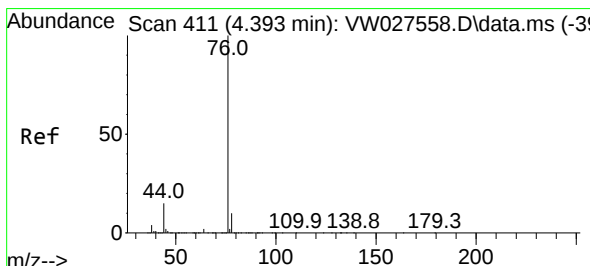
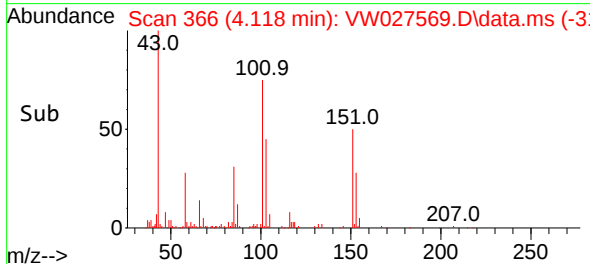
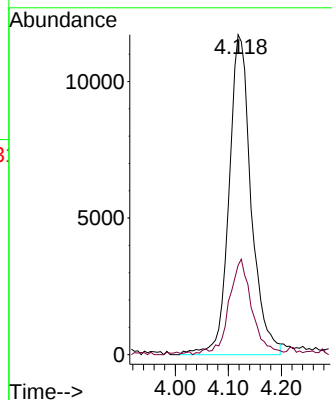
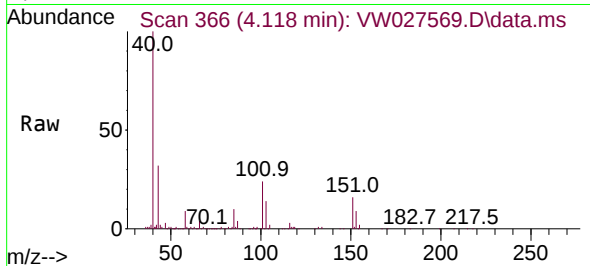




#13
Acetone
Concen: 30.680 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.000 min
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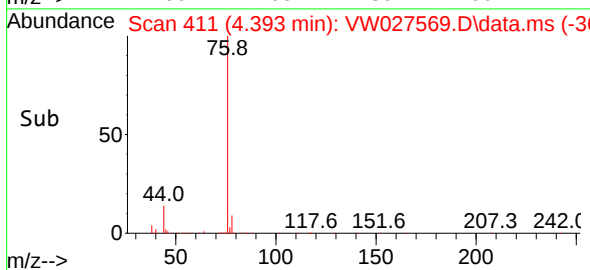
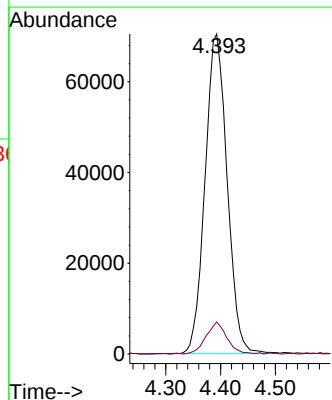
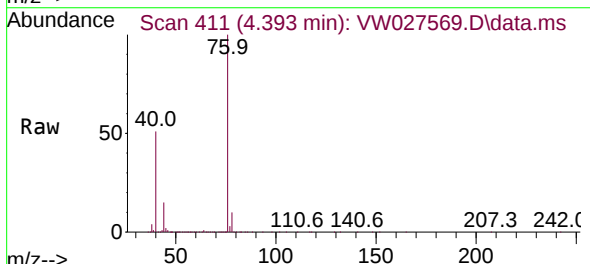
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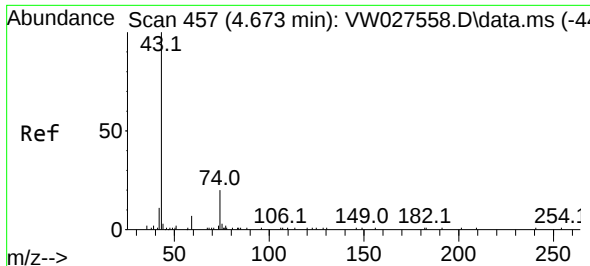
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Ion Ratio Lower Upper
43 100
58 29.5 0.0 60.0



#14
Carbon disulfide
Concen: 21.009 ug/L
RT: 4.393 min Scan# 411
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

Tgt Ion: 76 Resp: 197371
Ion Ratio Lower Upper
76 100
78 10.0 7.8 11.6

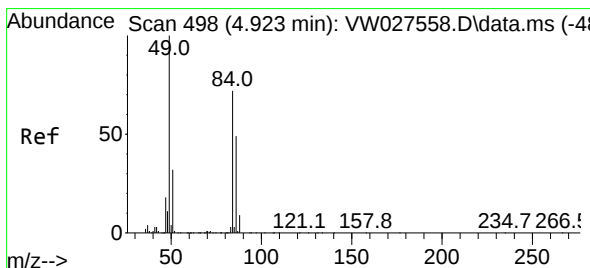
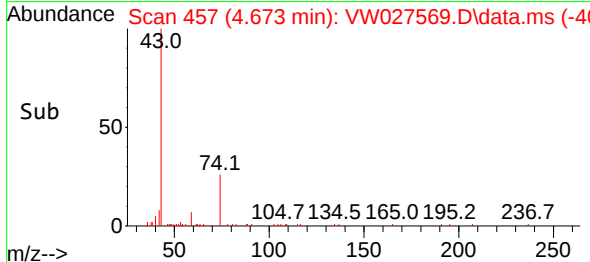
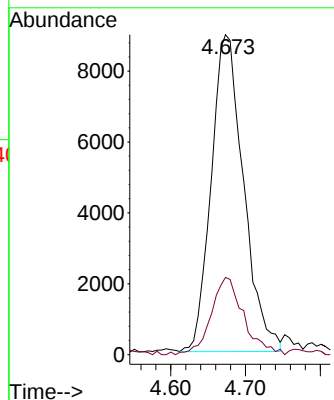
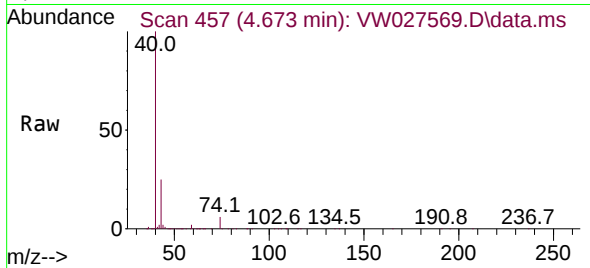




#15
Methyl Acetate
Concen: 13.893 ug/L
RT: 4.673 min Scan# 457
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

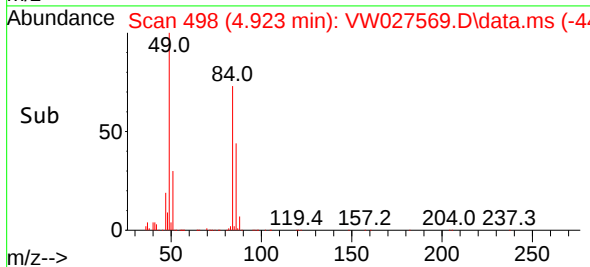
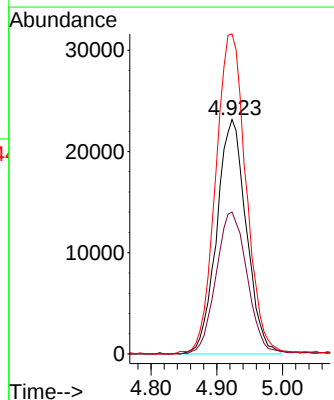
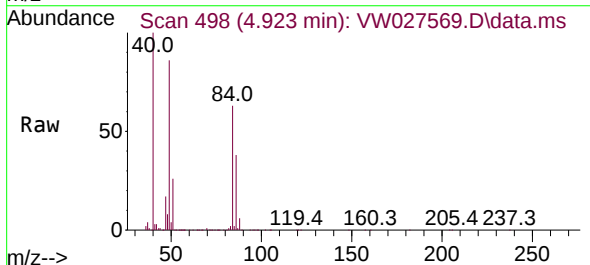
Instrument :
MSVOA_W
ClientSampleId :
VSTD025554

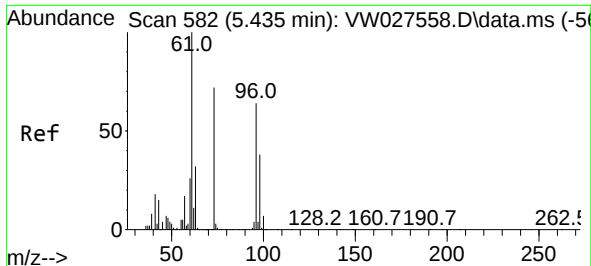
Tgt Ion: 43 Resp: 26902
Ion Ratio Lower Upper
43 100
74 24.4 16.8 25.2



#16
Methylene chloride
Concen: 20.374 ug/L
RT: 4.923 min Scan# 498
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

Tgt Ion: 84 Resp: 72414
Ion Ratio Lower Upper
84 100
86 60.6 47.7 88.7
49 136.6 97.4 181.0

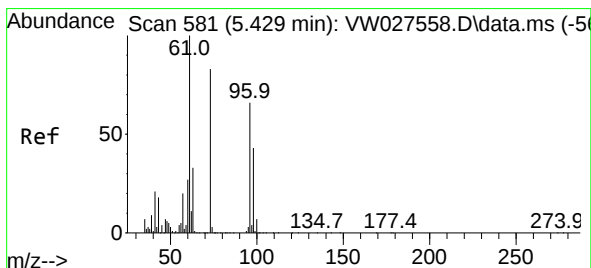
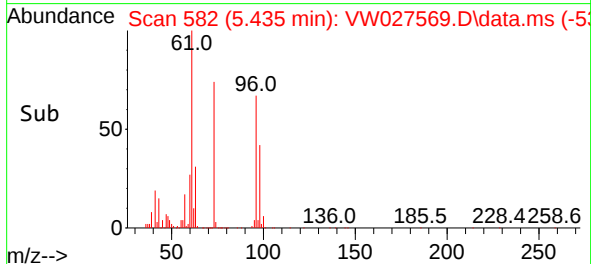
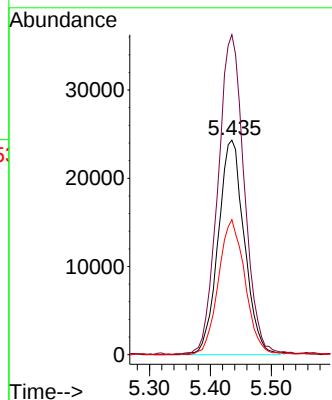
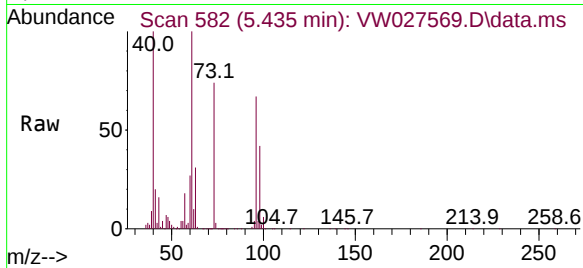




#17
trans-1,2-Dichloroethene
Concen: 22.687 ug/L
RT: 5.435 min Scan# 582
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

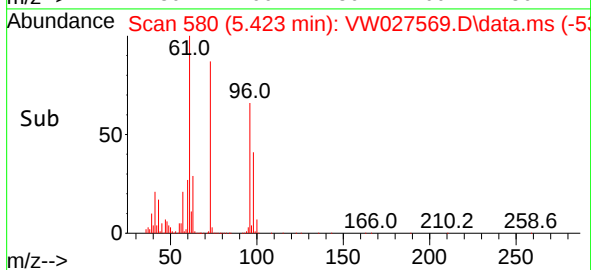
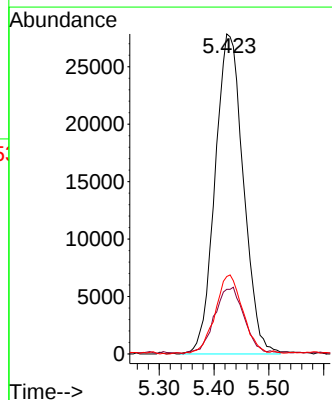
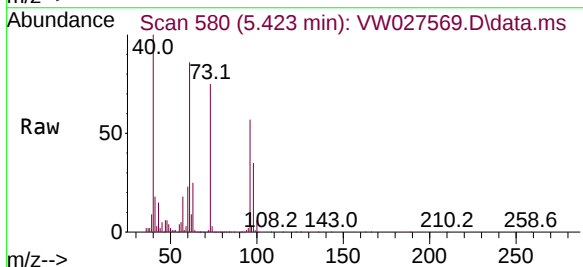
Instrument :
MSVOA_W
ClientSampleId :
VSTD025554

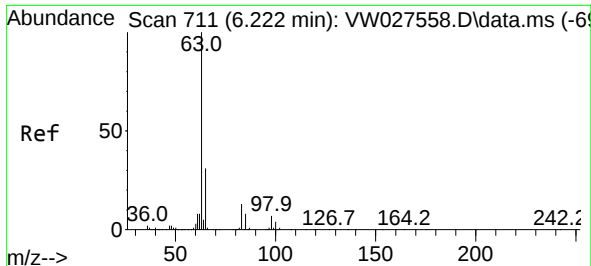
Tgt Ion: 96 Resp: 72723
Ion Ratio Lower Upper
96 100
61 149.2 109.6 203.6
98 63.0 41.9 77.7



#18
Methyl tert-butyl Ether
Concen: 19.320 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

Tgt Ion: 73 Resp: 99896
Ion Ratio Lower Upper
73 100
43 21.8 17.8 26.6
57 23.5 19.9 29.9





#19

1,1-Dichloroethane

Concen: 22.435 ug/L

RT: 6.222 min Scan# 711

Delta R.T. -0.000 min

Lab File: VW027569.D

Acq: 06 Dec 2023 16:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD025554

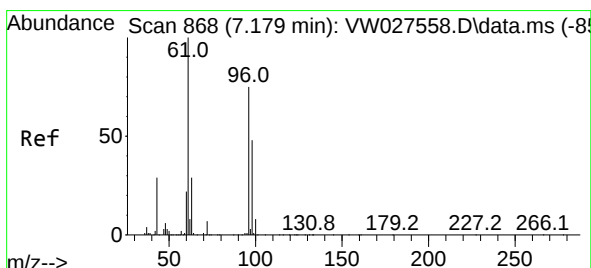
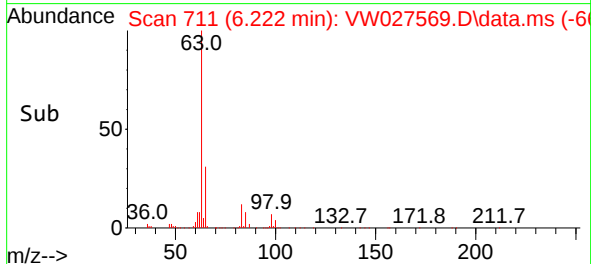
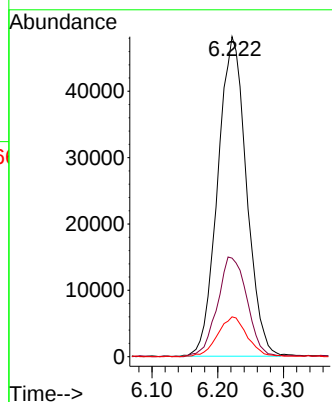
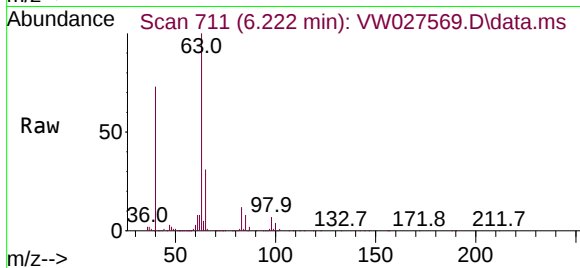
Tgt Ion: 63 Resp: 146252

Ion Ratio Lower Upper

63 100

65 30.8 22.0 40.8

83 12.4 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 21.945 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.006 min

Lab File: VW027569.D

Acq: 06 Dec 2023 16:15

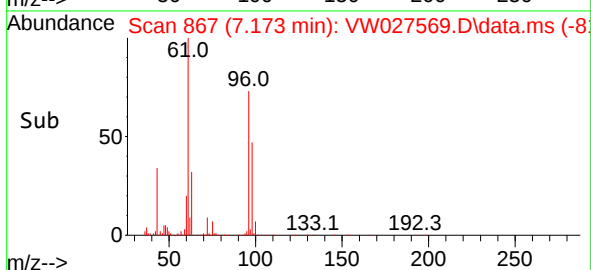
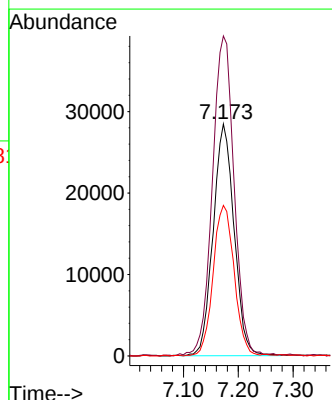
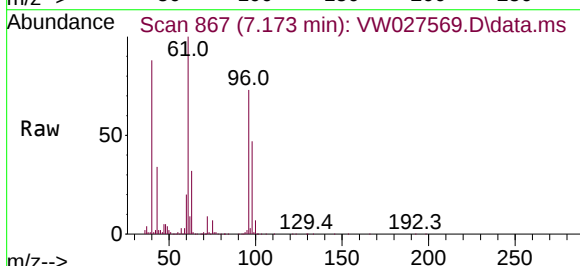
Tgt Ion: 96 Resp: 75548

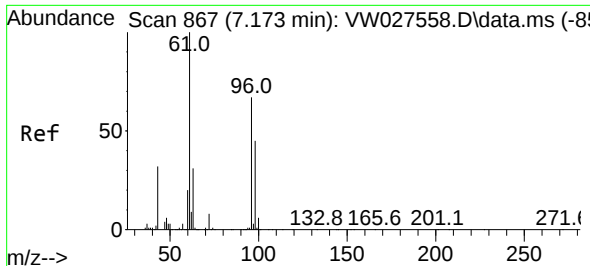
Ion Ratio Lower Upper

96 100

61 137.9 94.0 174.6

98 64.9 45.1 83.7

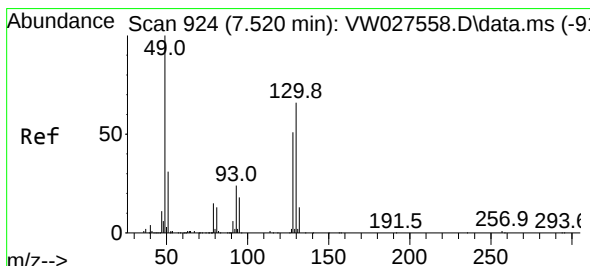
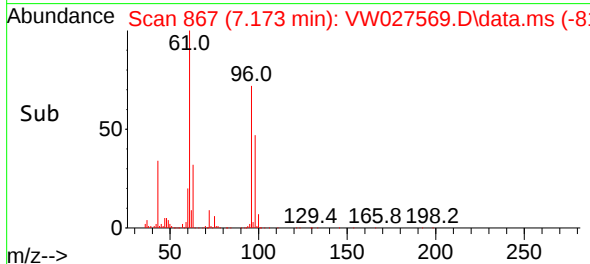
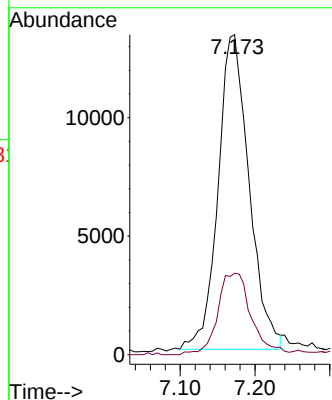
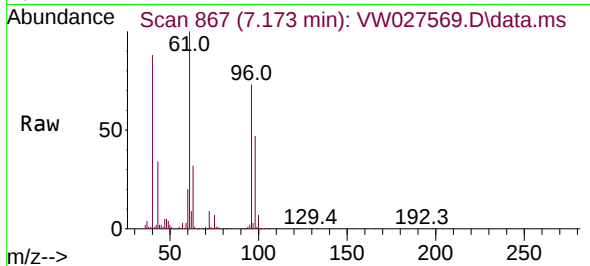




#22
2-Butanone
Concen: 26.829 ug/L
RT: 7.173 min Scan# 867
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

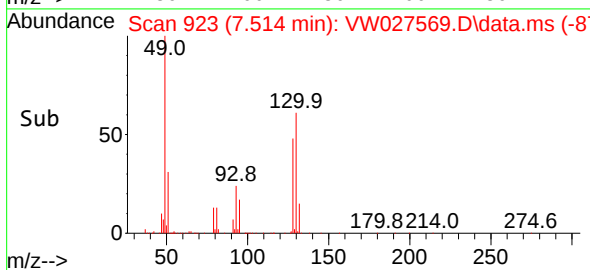
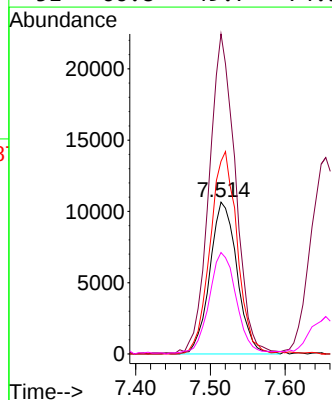
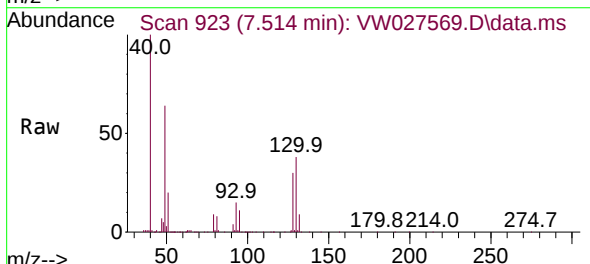
Instrument :
MSVOA_W
ClientSampleId :
VSTD025554

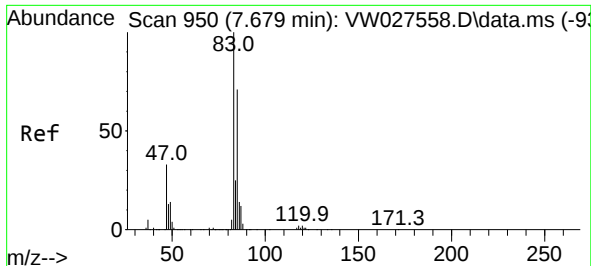
Tgt Ion: 43 Resp: 38348
Ion Ratio Lower Upper
43 100
72 12.2 11.9 35.9



#23
Bromochloromethane
Concen: 19.964 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.006 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

Tgt Ion: 128 Resp: 27032
Ion Ratio Lower Upper
128 100
49 210.7 137.8 256.0
130 126.9 91.2 169.4
51 66.8 49.7 74.5





#25

Chloroform

Concen: 22.490 ug/L

RT: 7.679 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW027569.D

Acq: 06 Dec 2023 16:15

Instrument :

MSVOA_W

ClientSampleId :

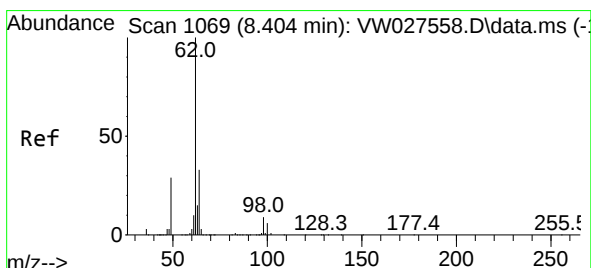
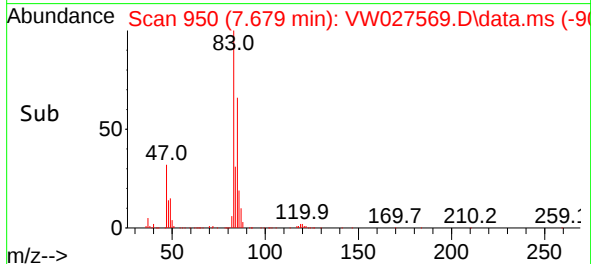
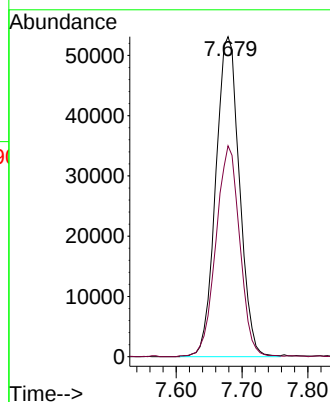
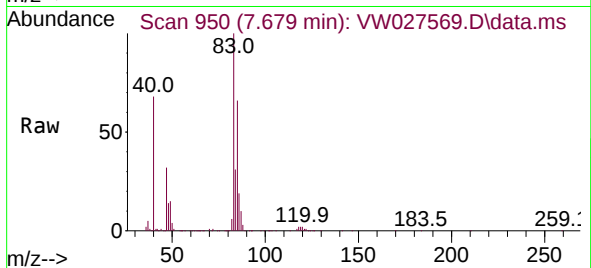
VSTD025554

Tgt Ion: 83 Resp: 133124

Ion Ratio Lower Upper

83 100

85 65.9 49.8 92.6



#27

1,2-Dichloroethane

Concen: 19.589 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VW027569.D

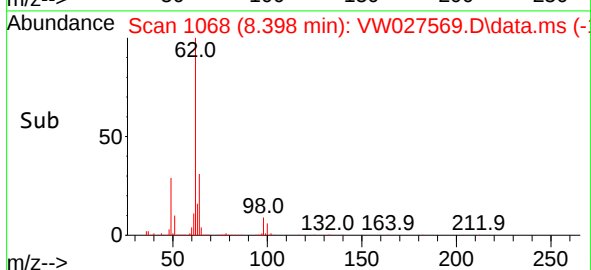
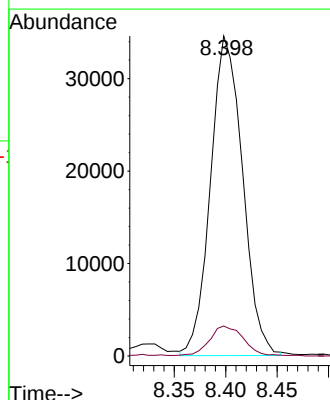
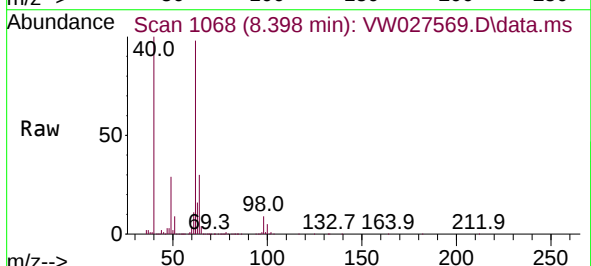
Acq: 06 Dec 2023 16:15

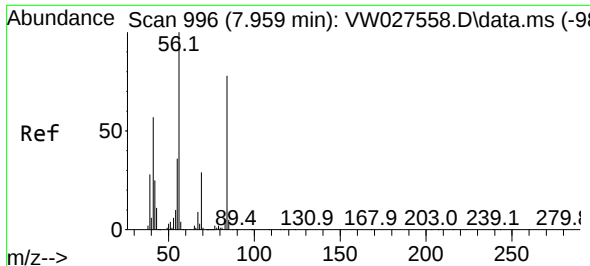
Tgt Ion: 62 Resp: 74940

Ion Ratio Lower Upper

62 100

98 9.4 7.4 11.0

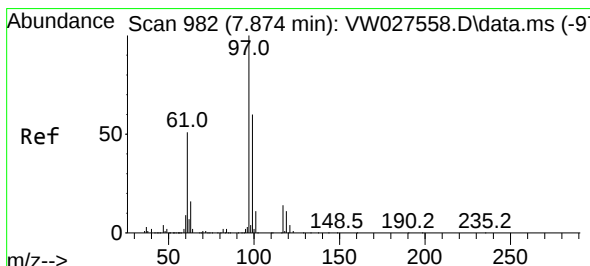
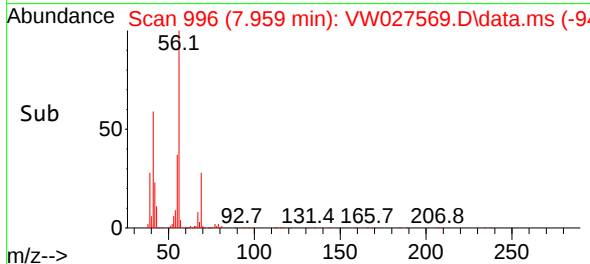
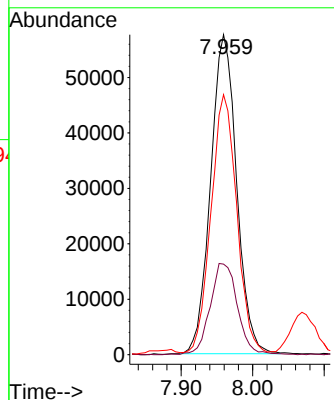
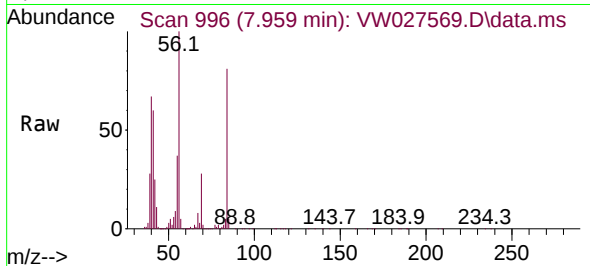




#29
Cyclohexane
Concen: 23.892 ug/L
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

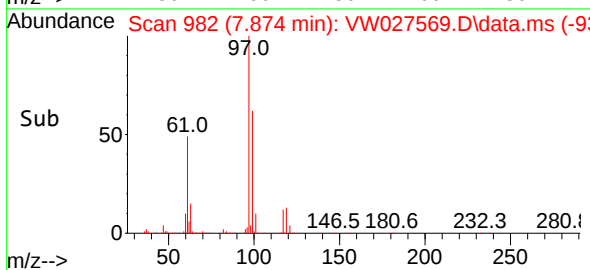
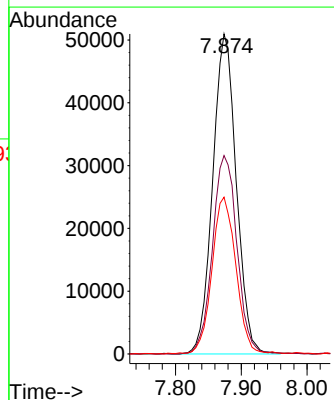
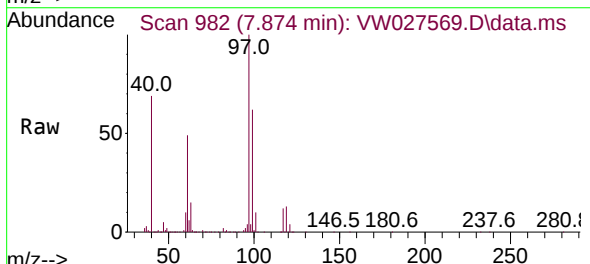
Instrument :
MSVOA_W
ClientSampleId :
VSTD025554

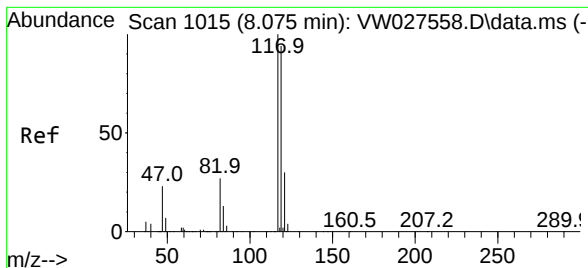
Tgt Ion: 56 Resp: 145498
Ion Ratio Lower Upper
56 100
69 29.9 24.1 36.1
84 81.2 65.0 97.4



#30
1,1,1-Trichloroethane
Concen: 24.647 ug/L
RT: 7.874 min Scan# 982
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

Tgt Ion: 97 Resp: 127355
Ion Ratio Lower Upper
97 100
99 64.3 50.5 75.7
61 49.4 39.0 58.4

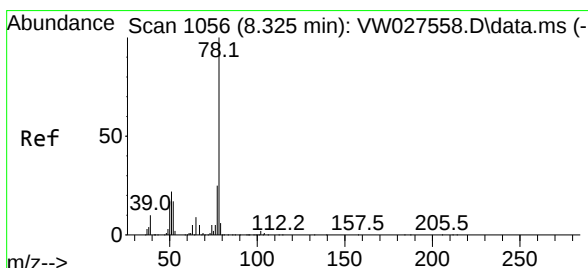
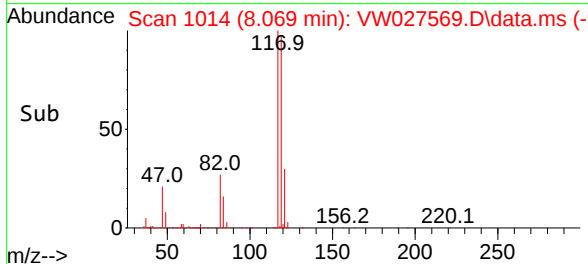
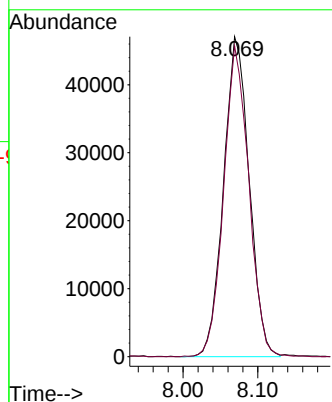
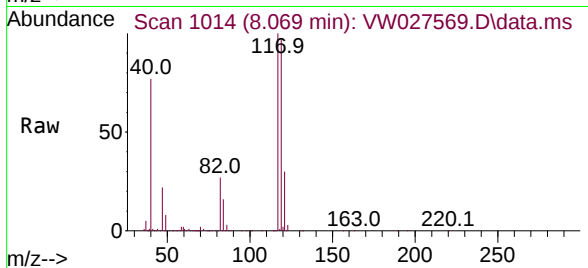




#31
Carbon tetrachloride
Concen: 24.923 ug/L
RT: 8.069 min Scan# 1015
Delta R.T. -0.006 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

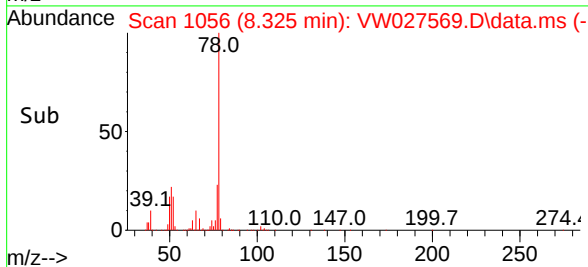
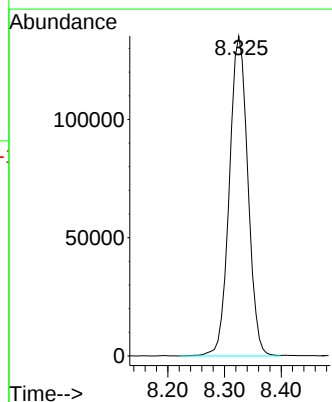
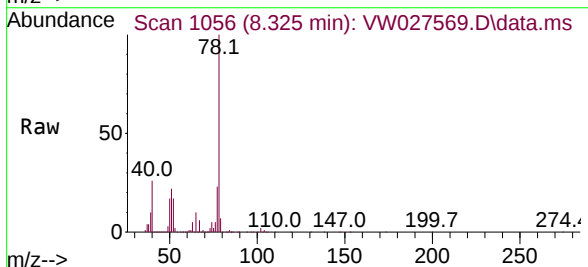
Instrument :
MSVOA_W
ClientSampleId :
VSTD025554

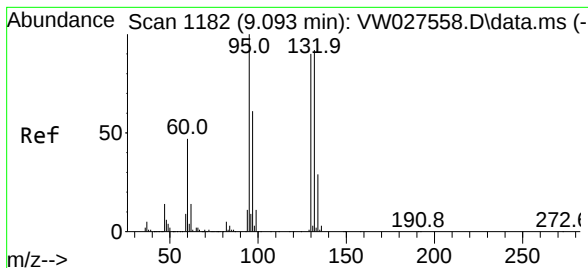
Tgt Ion:117 Resp: 112326
Ion Ratio Lower Upper
117 100
119 95.4 77.0 115.6



#33
Benzene
Concen: 24.004 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

Tgt Ion: 78 Resp: 306880





#34

Trichloroethene

Concen: 23.916 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW027569.D

Acq: 06 Dec 2023 16:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD025554

Tgt Ion: 95 Resp: 83515

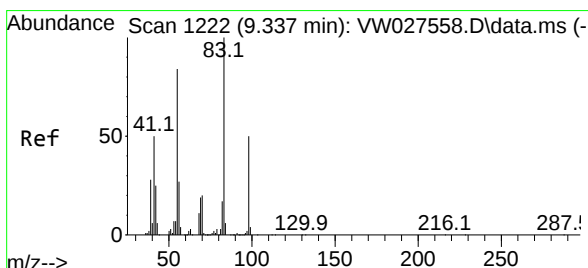
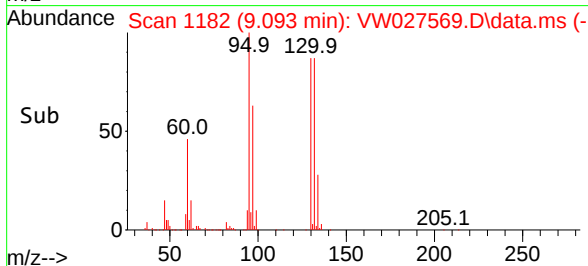
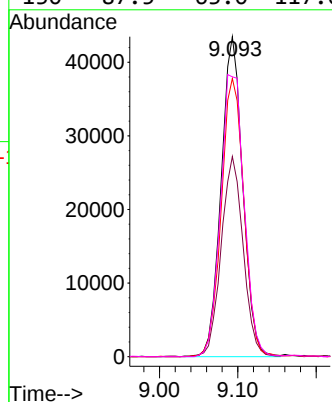
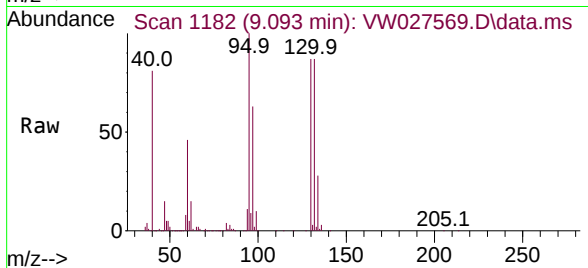
Ion Ratio Lower Upper

95 100

97 62.5 43.0 80.0

132 86.9 64.1 119.1

130 87.5 63.0 117.0



#35

Methylcyclohexane

Concen: 24.691 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW027569.D

Acq: 06 Dec 2023 16:15

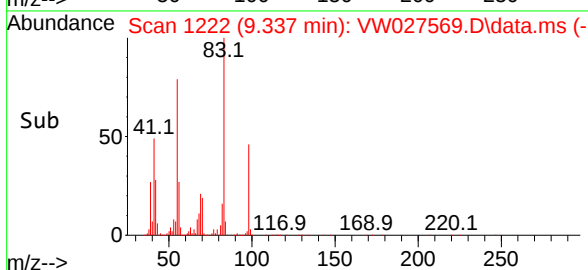
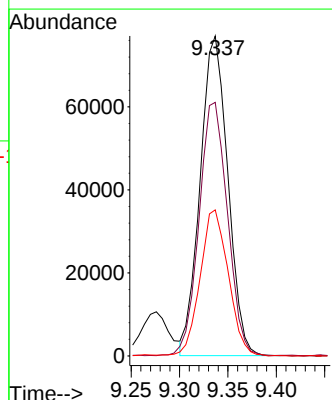
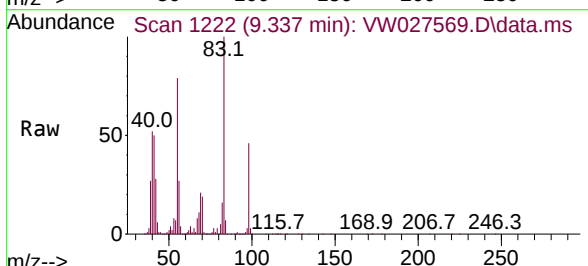
Tgt Ion: 83 Resp: 153527

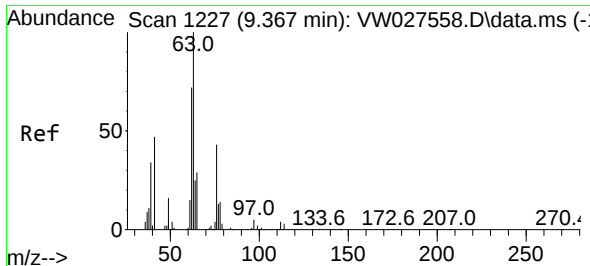
Ion Ratio Lower Upper

83 100

55 81.5 65.6 98.4

98 46.6 38.3 57.5





#37

1,2-Dichloropropane

Concen: 22.902 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW027569.D

Acq: 06 Dec 2023 16:15

Instrument :

MSVOA_W

ClientSampleId :

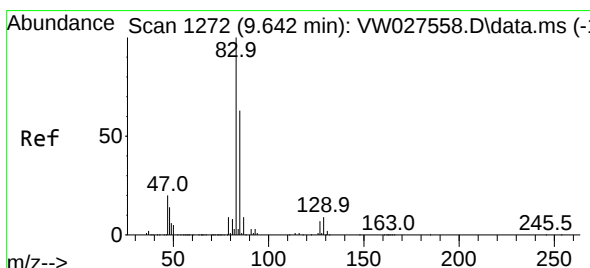
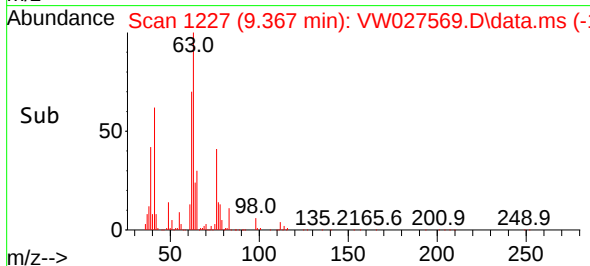
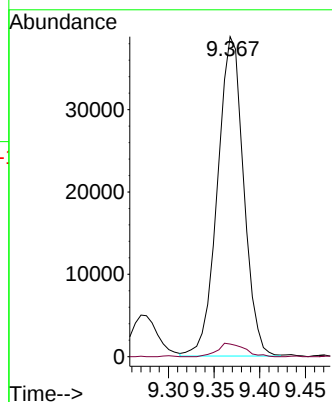
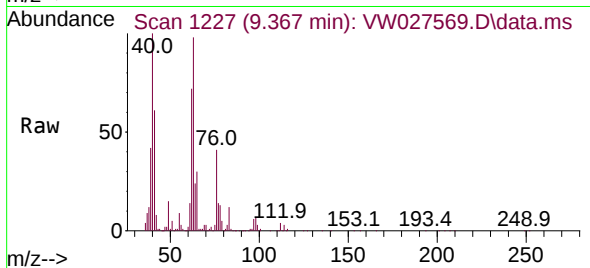
VSTD025554

Tgt Ion: 63 Resp: 77305

Ion Ratio Lower Upper

63 100

112 4.2 3.6 5.4



#38

Bromodichloromethane

Concen: 22.096 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW027569.D

Acq: 06 Dec 2023 16:15

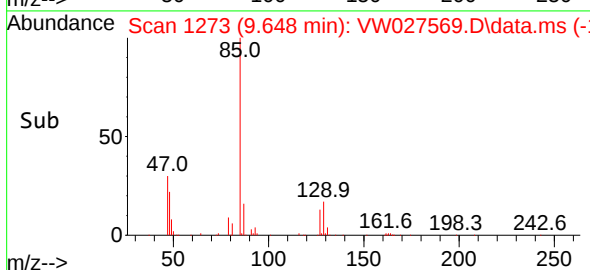
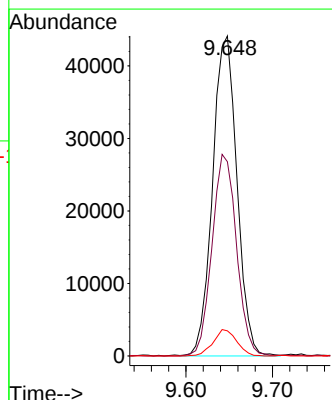
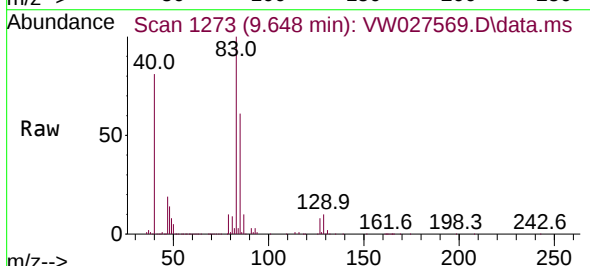
Tgt Ion: 83 Resp: 86222

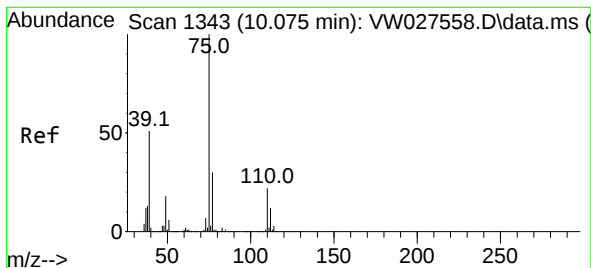
Ion Ratio Lower Upper

83 100

85 60.7 44.3 82.3

127 7.9 5.3 7.9

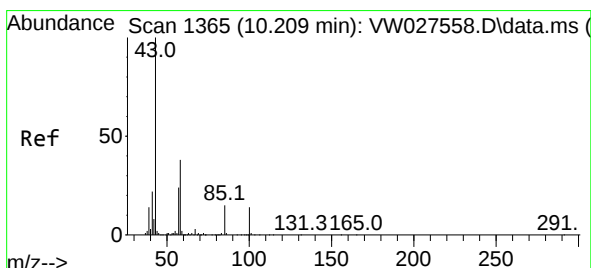
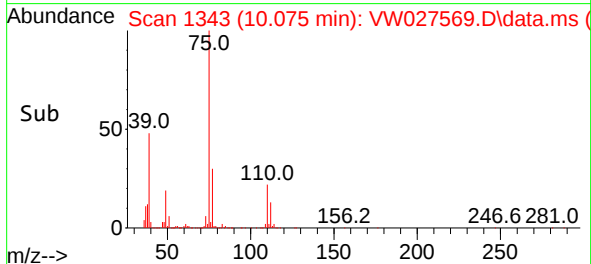
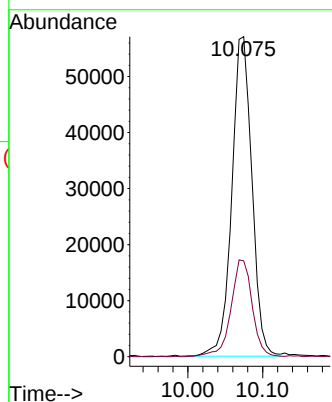
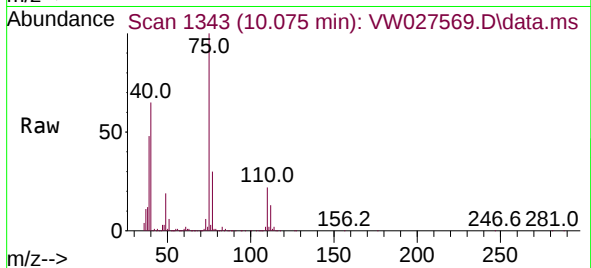




#39
cis-1,3-Dichloropropene
Concen: 21.884 ug/L
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

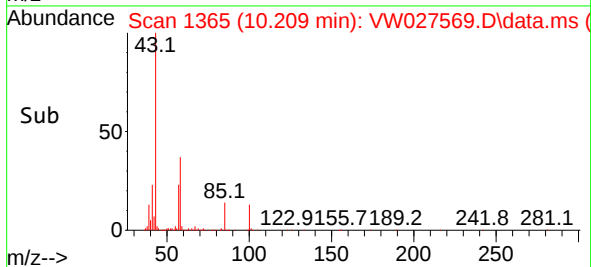
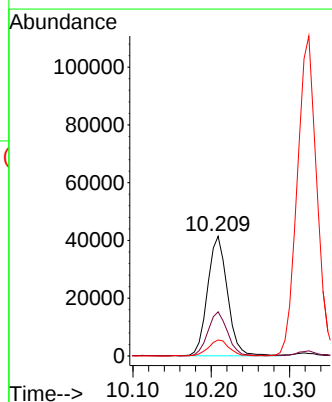
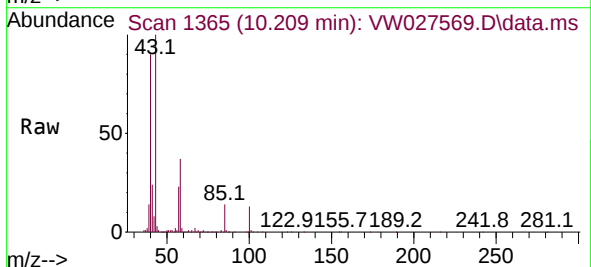
Instrument :
MSVOA_W
ClientSampleId :
VSTD025554

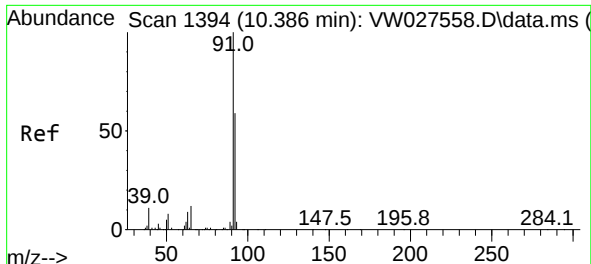
Tgt Ion: 75 Resp: 106632
Ion Ratio Lower Upper
75 100
77 30.0 21.1 39.1



#40
4-Methyl-2-pentanone
Concen: 31.890 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

Tgt Ion: 43 Resp: 72760
Ion Ratio Lower Upper
43 100
58 36.2 29.6 44.4
100 14.1 11.1 16.7

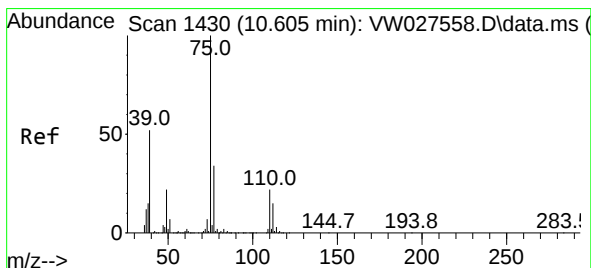
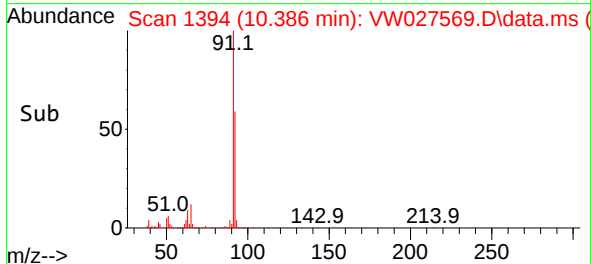
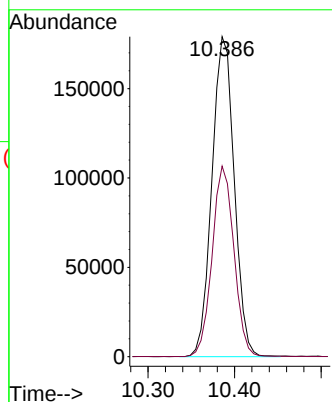
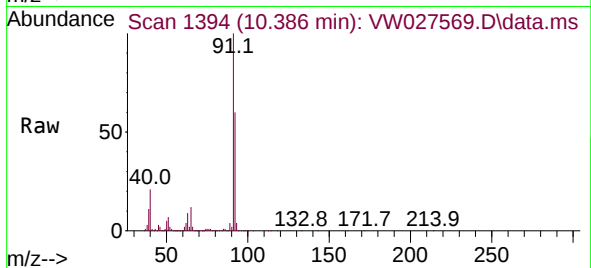




#42
Toluene
Concen: 23.697 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

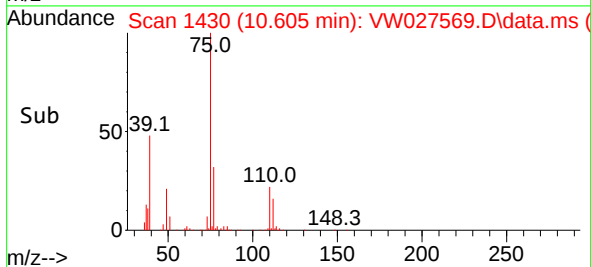
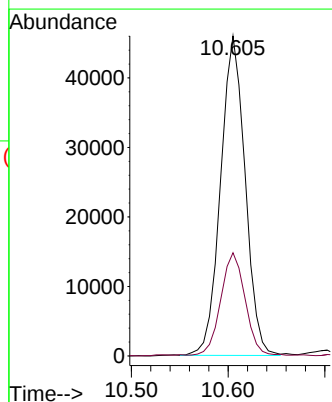
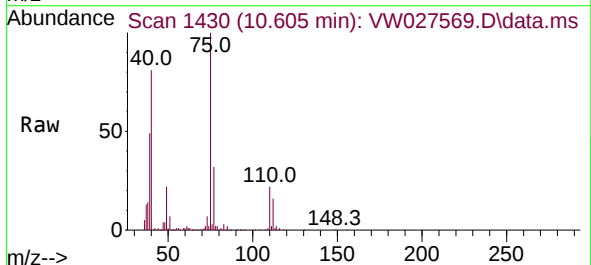
Instrument :
MSVOA_W
ClientSampleId :
VSTD025554

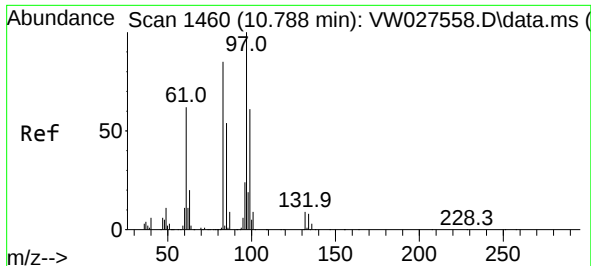
Tgt Ion: 91 Resp: 320429
Ion Ratio Lower Upper
91 100
92 59.6 41.4 76.8



#44
trans-1,3-Dichloropropene
Concen: 20.607 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

Tgt Ion: 75 Resp: 81003
Ion Ratio Lower Upper
75 100
77 32.2 23.7 44.1

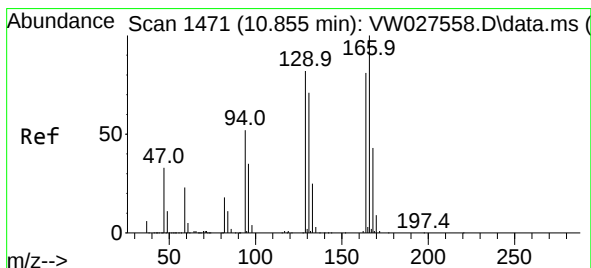
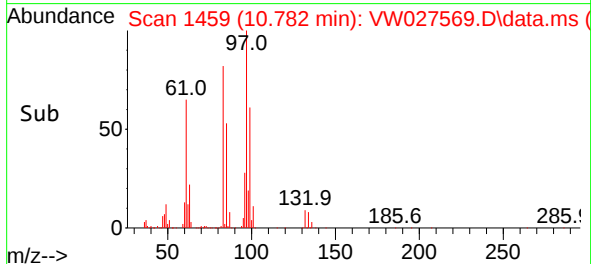
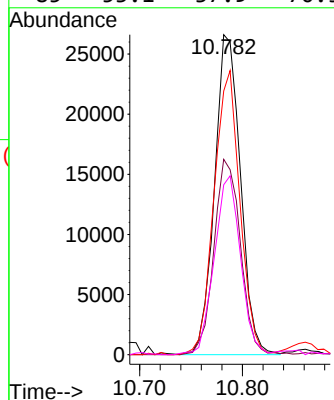
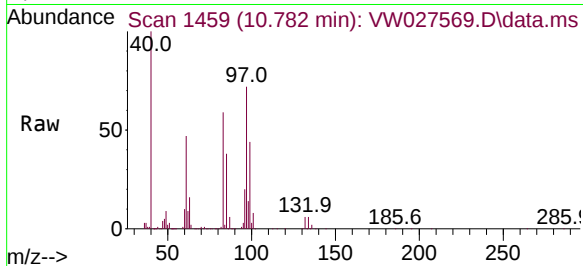




#45
1,1,2-Trichloroethane
Concen: 19.803 ug/L
RT: 10.782 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

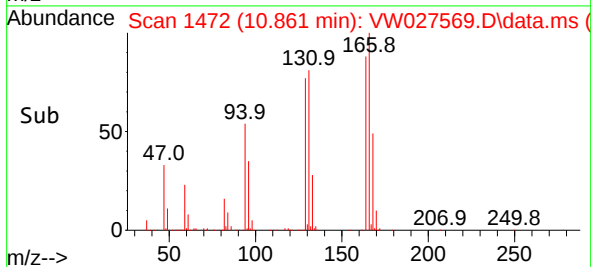
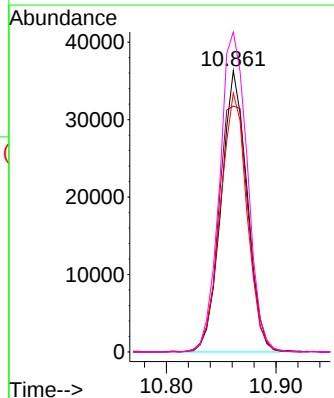
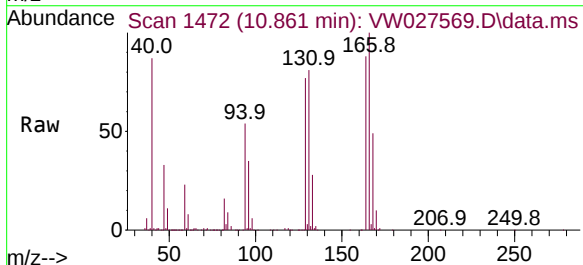
Instrument :
MSVOA_W
ClientSampleId :
VSTD025554

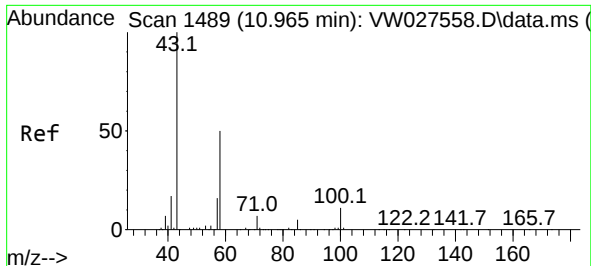
Tgt Ion: 97	Resp: 46552
Ion Ratio	Lower Upper
97 100	
99 61.0	42.8 79.4
83 82.4	59.9 111.3
85 53.1	37.9 70.5



#46
Tetrachloroethene
Concen: 24.071 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

Tgt	Ion:164	Resp:	59924
Ion	Ratio	Lower	Upper
164	100		
129	87.4	71.0	131.8
131	92.0	61.2	113.6
166	113.8	86.6	160.8

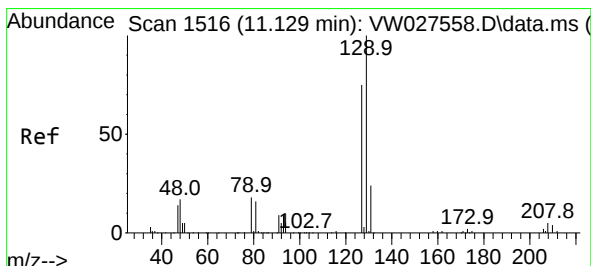
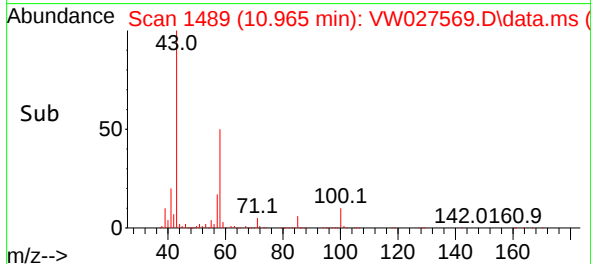
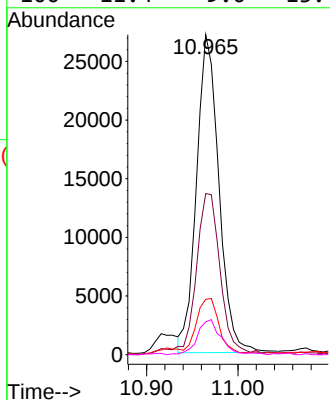
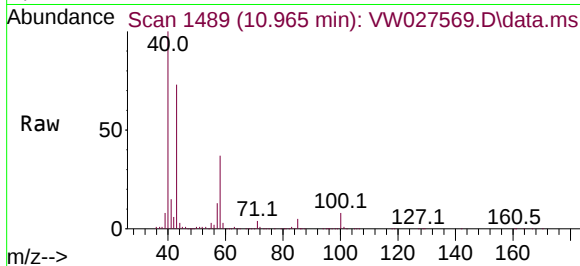




#48
2-Hexanone
Concen: 28.743 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

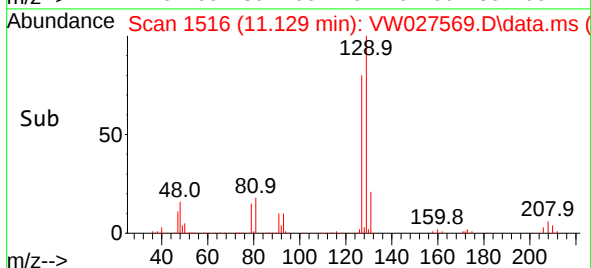
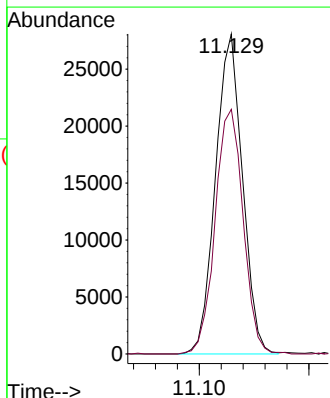
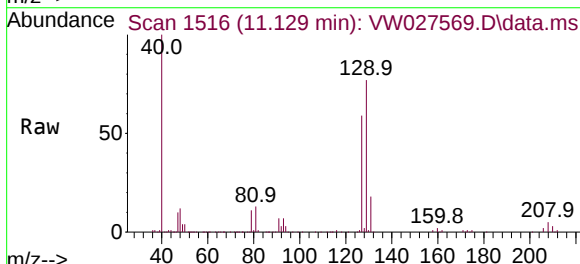
Instrument :
MSVOA_W
ClientSampleId :
VSTD025554

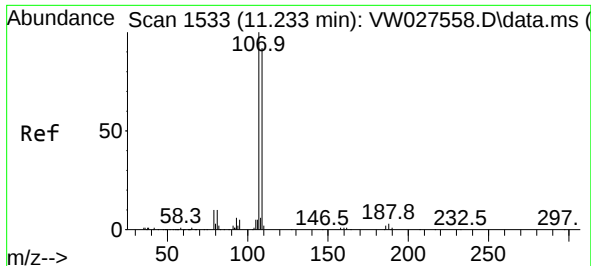
Tgt Ion: 43	Resp: 46219
Ion Ratio	Lower Upper
43 100	
58 53.3	40.8 61.2
57 18.1	14.8 22.2
100 11.4	9.0 13.4



#49
Dibromochloromethane
Concen: 20.674 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

Tgt Ion:129	Resp: 48040		
Ion Ratio	Lower	Upper	
129 100			
127 76.5	52.3	97.1	

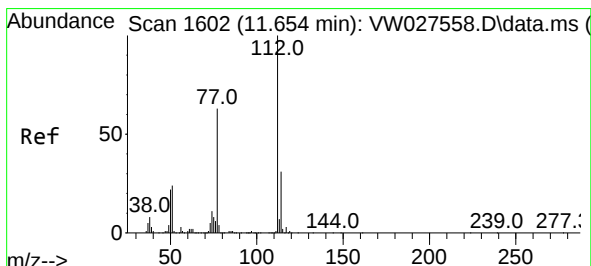
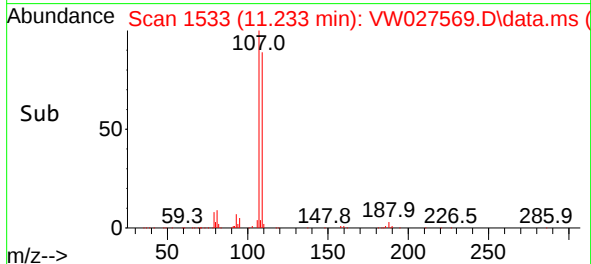
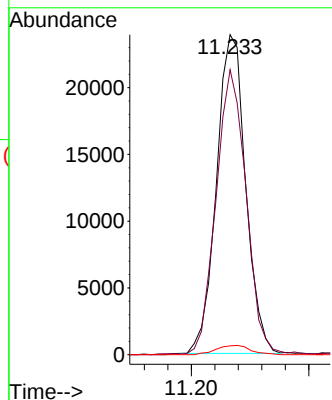
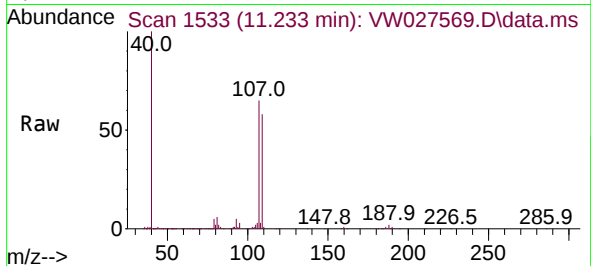




#50
1,2-Dibromoethane
Concen: 19.151 ug/L
RT: 11.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

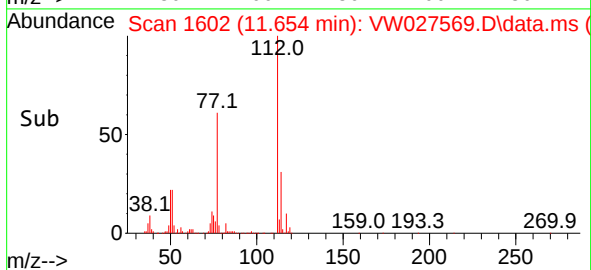
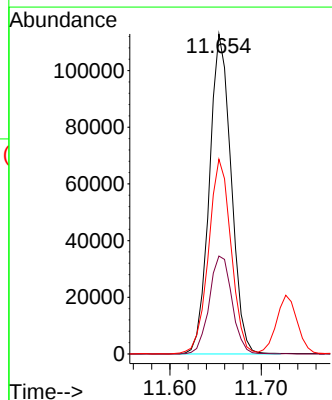
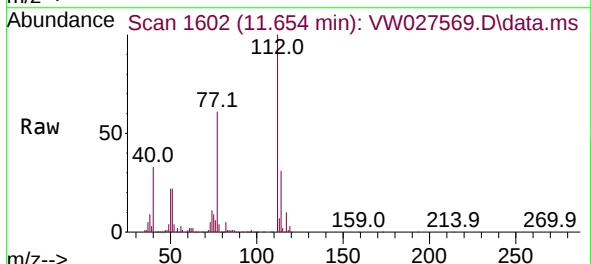
Instrument :
MSVOA_W
ClientSampleId :
VSTD025554

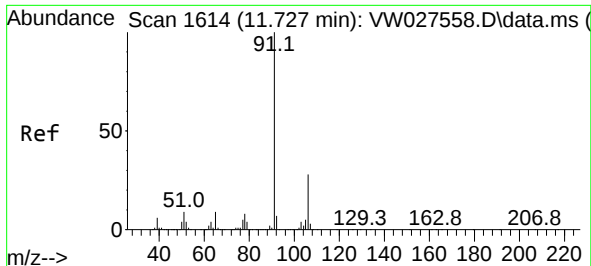
Tgt Ion:107 Resp: 41188
Ion Ratio Lower Upper
107 100
109 89.1 64.8 120.3
188 2.7 2.7 4.1



#51
Chlorobenzene
Concen: 22.895 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

Tgt Ion:112 Resp: 186771
Ion Ratio Lower Upper
112 100
114 30.6 21.5 39.9
77 60.9 50.6 76.0

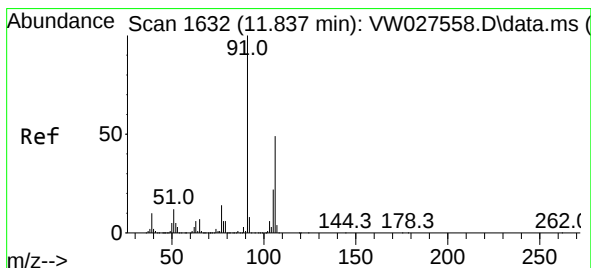
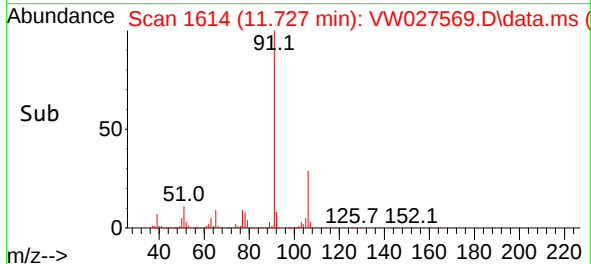
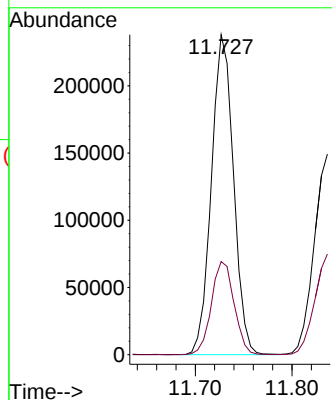
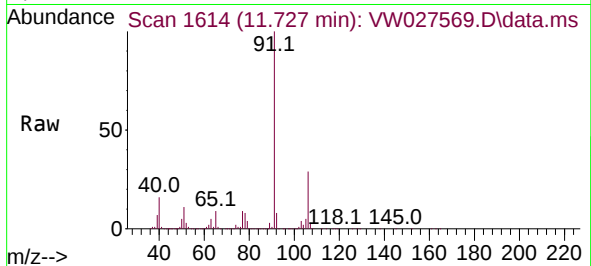




#52
Ethylbenzene
Concen: 24.610 ug/L
RT: 11.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

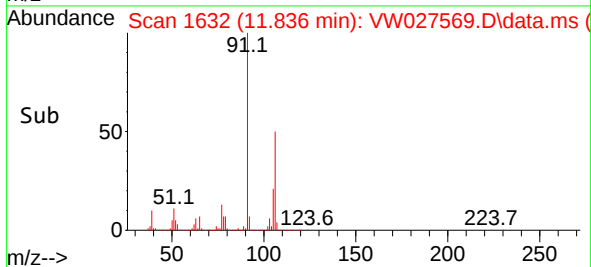
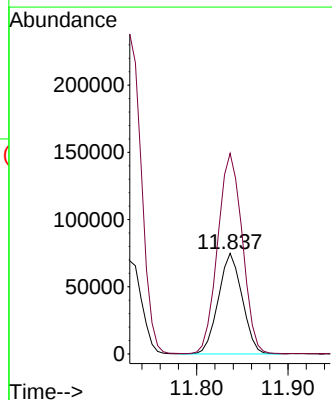
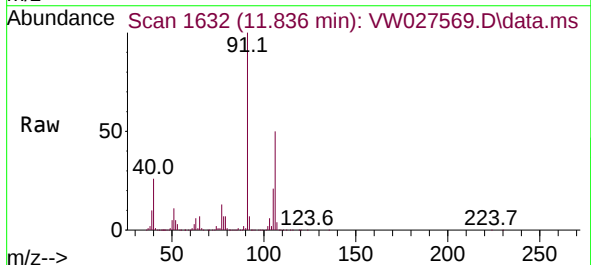
Instrument :
MSVOA_W
ClientSampleId :
VSTD025554

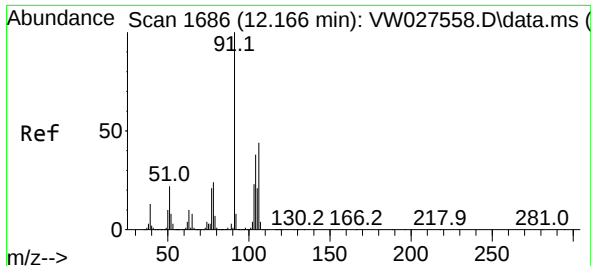
Tgt Ion: 91 Resp: 378012
Ion Ratio Lower Upper
91 100
106 29.1 19.5 36.1



#53
m,p-Xylene
Concen: 24.005 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

Tgt Ion: 106 Resp: 135860
Ion Ratio Lower Upper
106 100
91 199.4 142.1 263.9

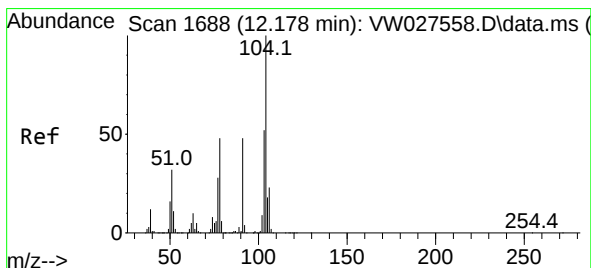
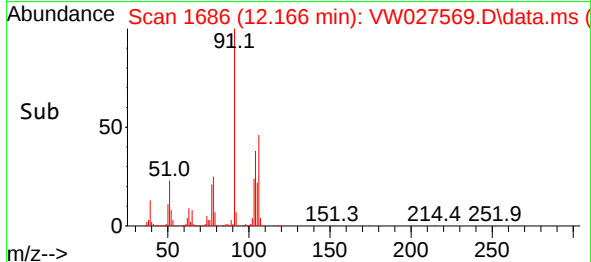
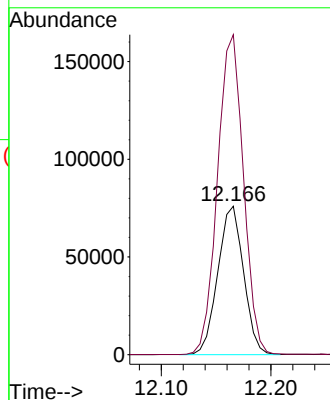
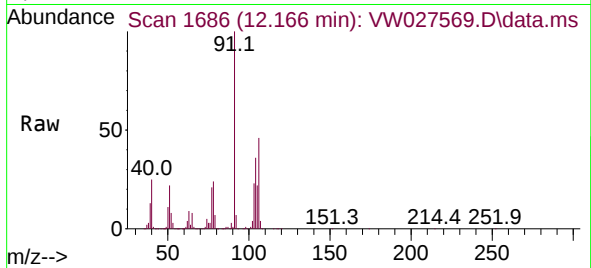




#54
o-Xylene
Concen: 24.171 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

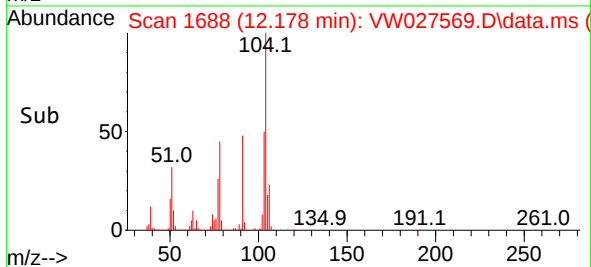
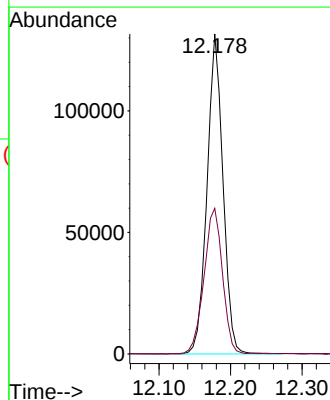
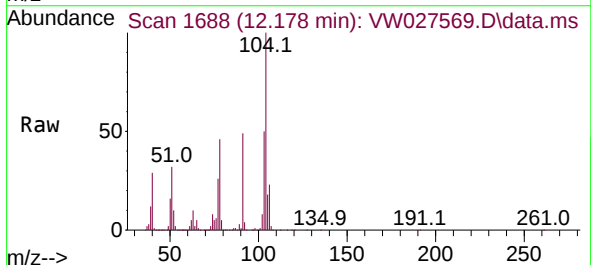
Instrument :
MSVOA_W
ClientSampleId :
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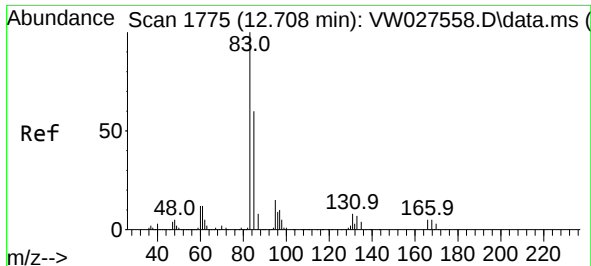
Tgt Ion:106 Resp: 124337
Ion Ratio Lower Upper
106 100
91 215.5 158.8 295.0



#55
Styrene
Concen: 23.227 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

Tgt Ion:104 Resp: 203935
Ion Ratio Lower Upper
104 100
78 45.5 33.9 62.9





#57

1,1,2,2-Tetrachloroethane

Concen: 18.172 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VW027569.D

Acq: 06 Dec 2023 16:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD025554

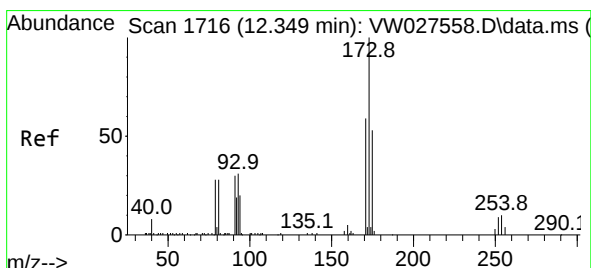
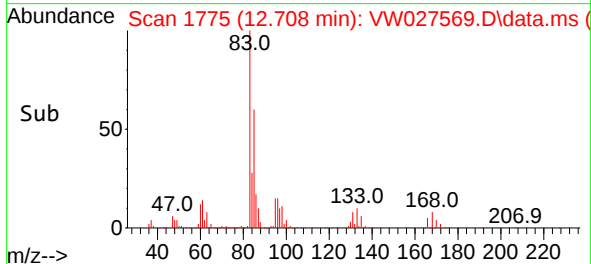
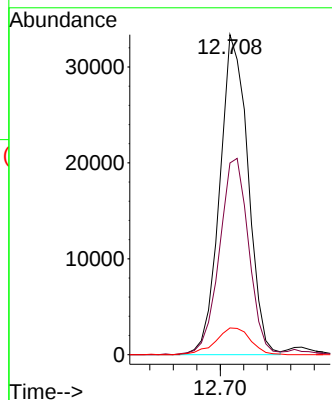
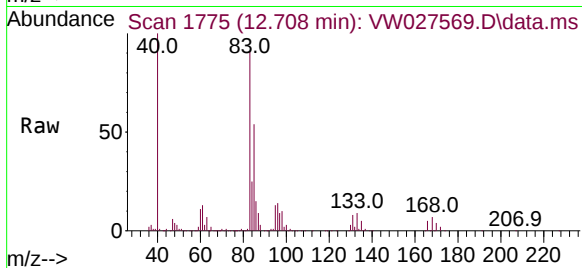
Tgt Ion: 83 Resp: 55612

Ion Ratio Lower Upper

83 100

85 59.9 41.9 77.7

131 8.4 7.0 10.6



#59

Bromoform

Concen: 19.846 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW027569.D

Acq: 06 Dec 2023 16:15

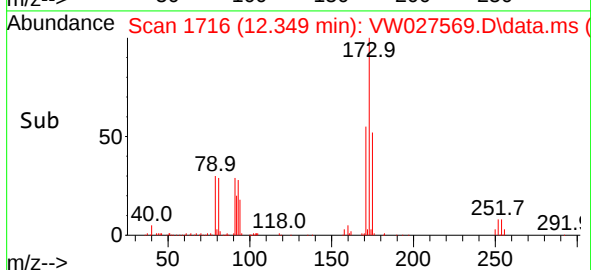
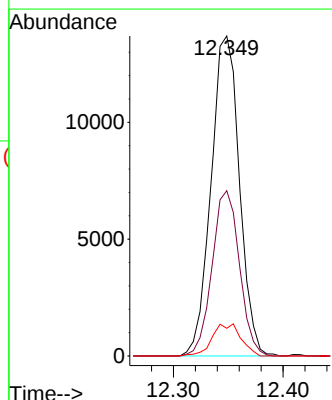
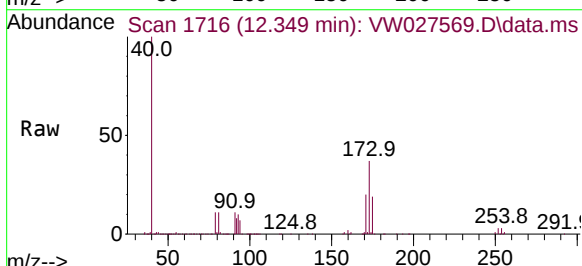
Tgt Ion: 173 Resp: 24656

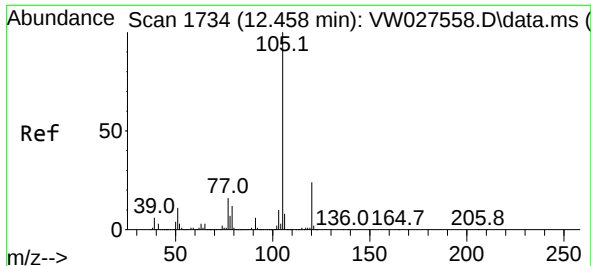
Ion Ratio Lower Upper

173 100

175 49.7 39.4 59.0

254 10.2 7.8 11.8

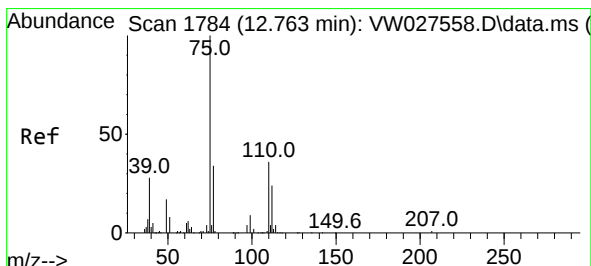
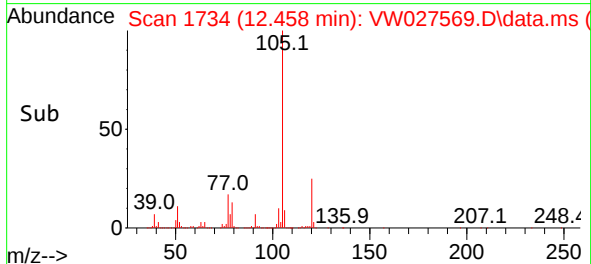
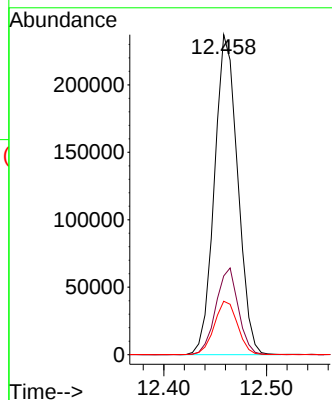
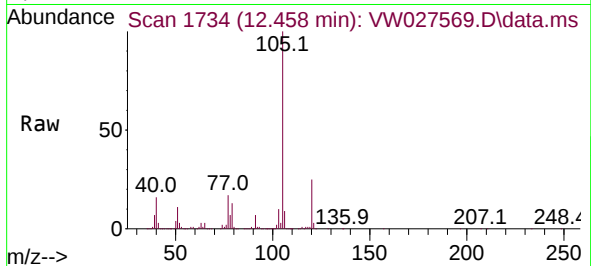




#60
Isopropylbenzene
Concen: 25.398 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

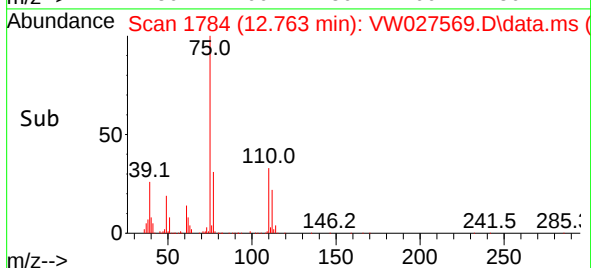
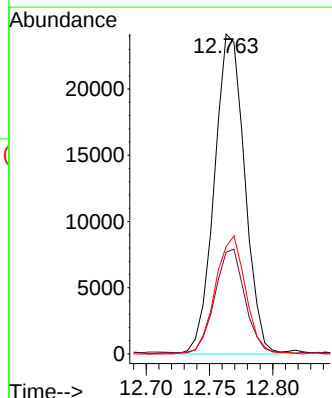
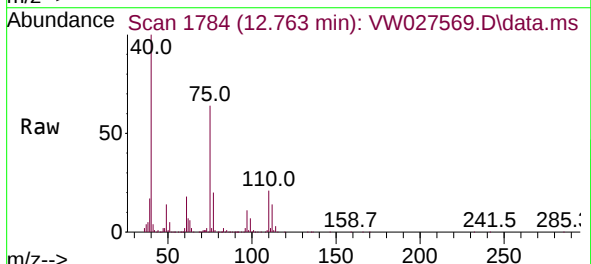
Instrument :
MSVOA_W
ClientSampleId :
VSTD025554

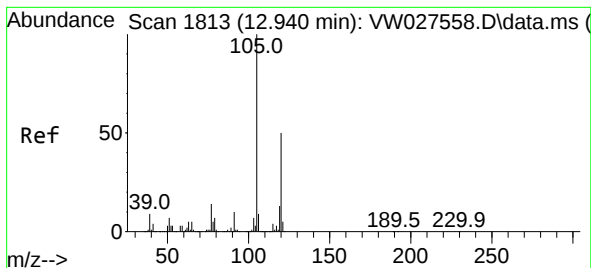
Tgt Ion:105 Resp: 371984
Ion Ratio Lower Upper
105 100
120 26.2 20.3 30.5
77 16.7 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 18.851 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

Tgt Ion: 75 Resp: 40333
Ion Ratio Lower Upper
75 100
77 32.4 26.6 39.8
110 37.0 30.2 45.4

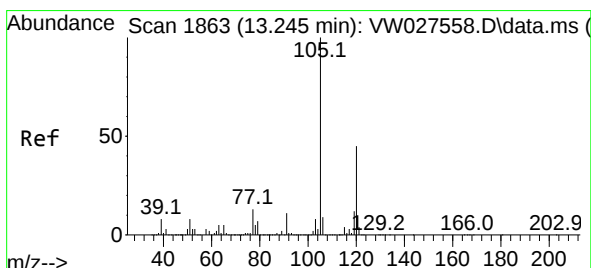
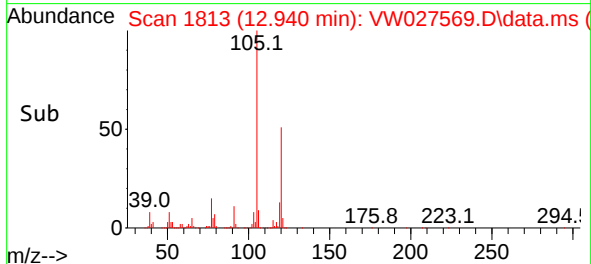
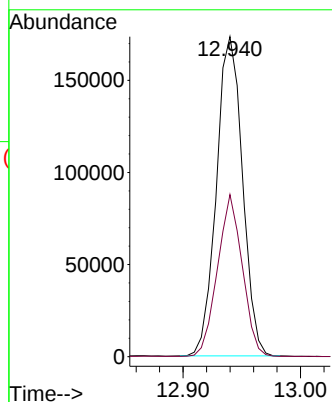
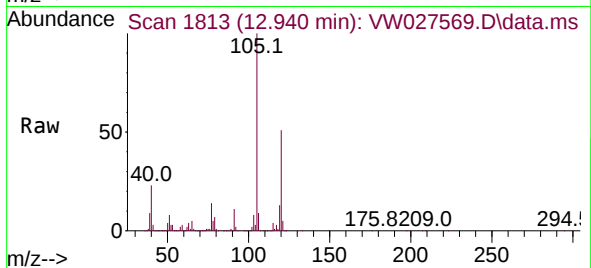




#62
1,3,5-Trimethylbenzene
Concen: 24.687 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

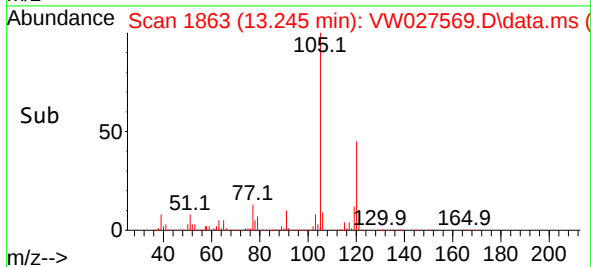
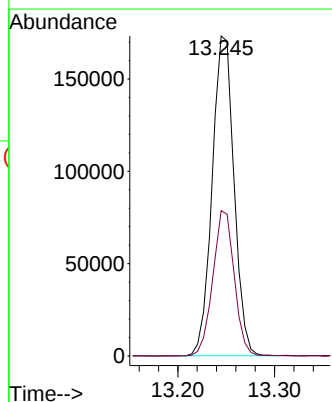
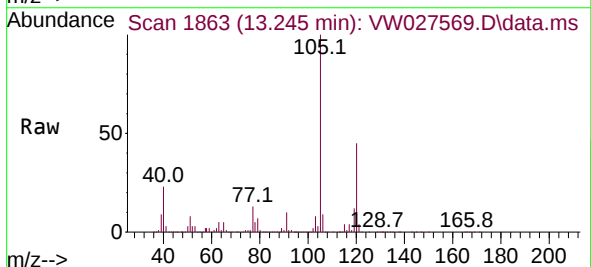
Instrument :
MSVOA_W
ClientSampleId :
VSTD025554

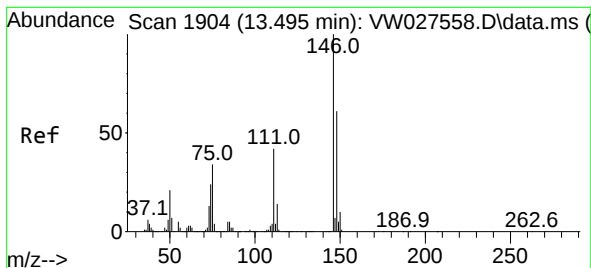
Tgt Ion:105 Resp: 267424
Ion Ratio Lower Upper
105 100
120 48.5 38.7 58.1



#63
1,2,4-Trimethylbenzene
Concen: 25.233 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW027569.D
Acq: 06 Dec 2023 16:15

Tgt Ion:105 Resp: 272234
Ion Ratio Lower Upper
105 100
120 44.5 36.9 55.3





#64

1,3-Dichlorobenzene

Concen: 24.420 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW027569.D

Acq: 06 Dec 2023 16:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD025554

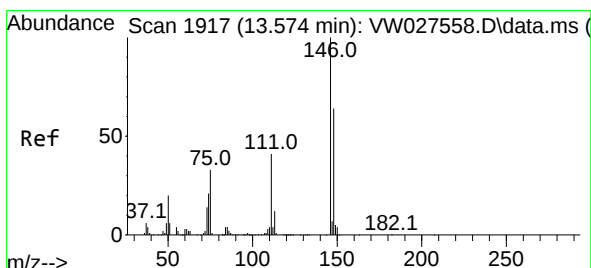
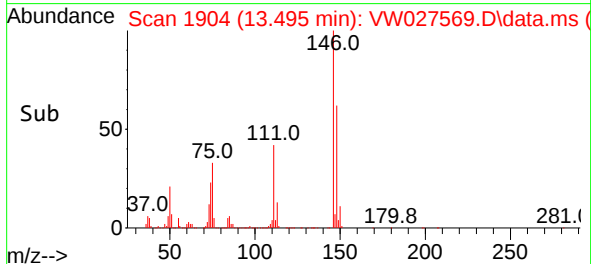
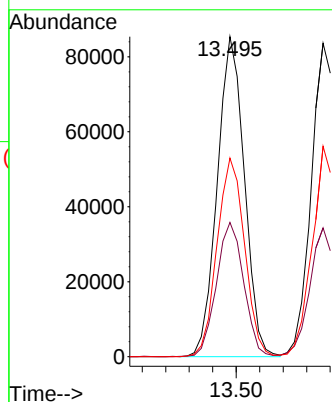
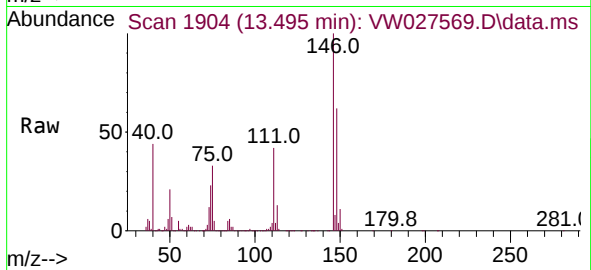
Tgt Ion:146 Resp: 136998

Ion Ratio Lower Upper

146 100

111 41.9 29.5 54.7

148 62.1 42.8 79.6



#65

1,4-Dichlorobenzene

Concen: 23.561 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW027569.D

Acq: 06 Dec 2023 16:15

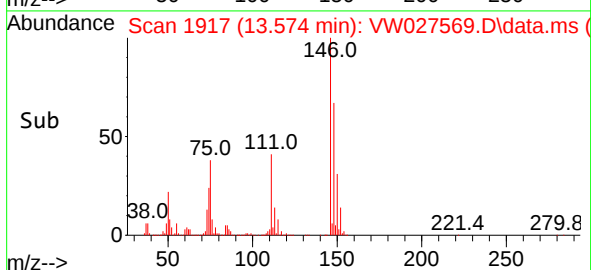
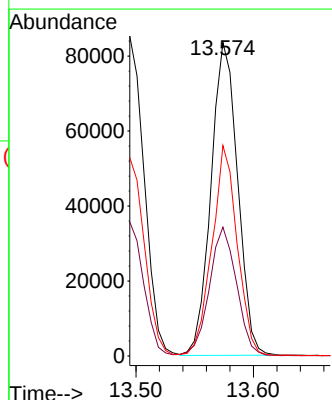
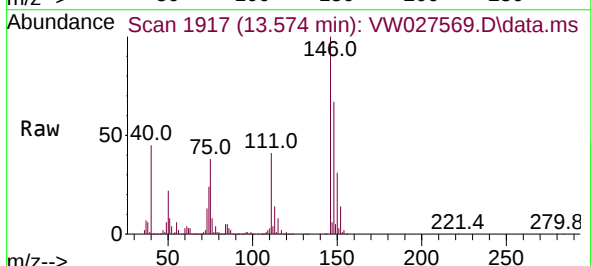
Tgt Ion:146 Resp: 131843

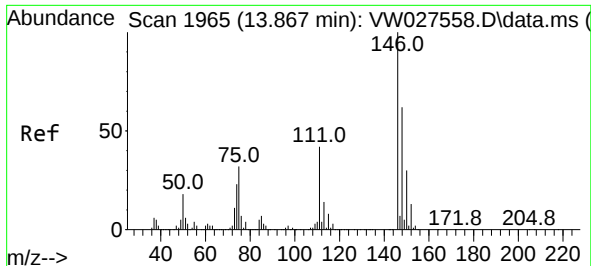
Ion Ratio Lower Upper

146 100

111 41.1 28.9 53.7

148 67.1 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 22.998 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW027569.D

Acq: 06 Dec 2023 16:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD025554

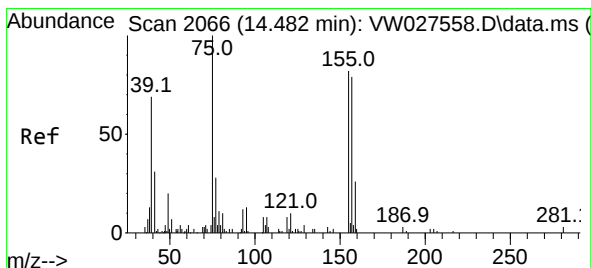
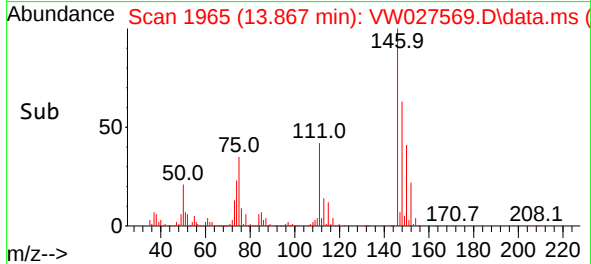
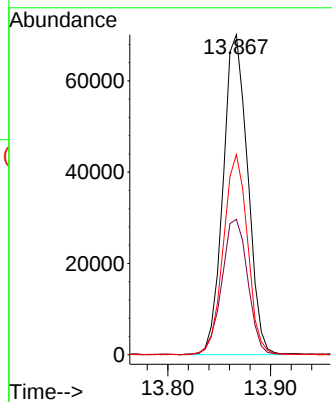
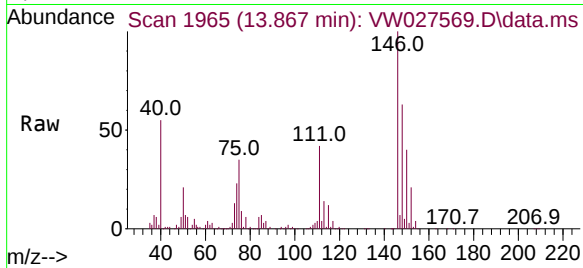
Tgt Ion:146 Resp: 116238

Ion Ratio Lower Upper

146 100

111 42.3 33.9 50.9

148 62.6 49.5 74.3



#68

1,2-Dibromo-3-chloropropane

Concen: 16.072 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW027569.D

Acq: 06 Dec 2023 16:15

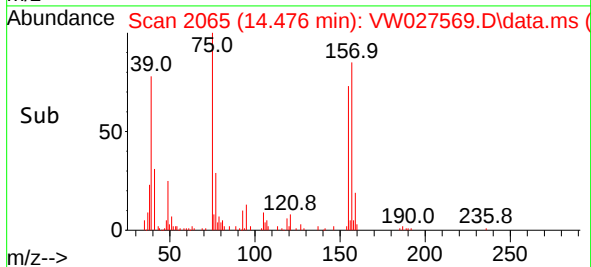
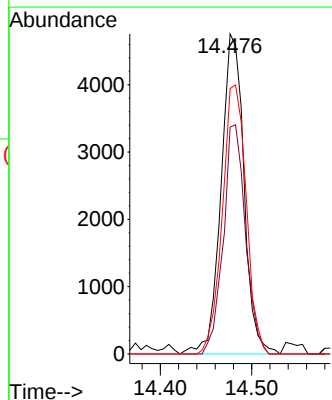
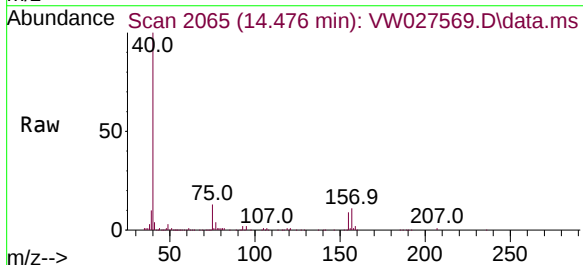
Tgt Ion: 75 Resp: 8271

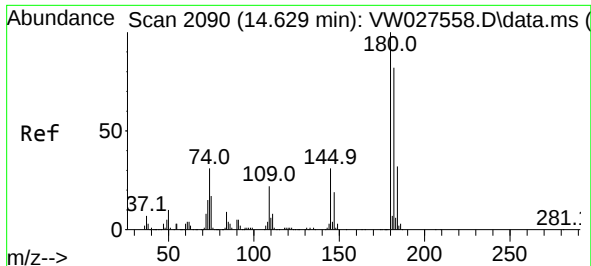
Ion Ratio Lower Upper

75 100

155 70.9 65.8 98.8

157 83.0 63.0 94.6





#69

1,3,5-Trichlorobenzene

Concen: 23.643 ug/L

RT: 14.623 min Scan# 2090

Delta R.T. -0.006 min

Lab File: VW027569.D

Acq: 06 Dec 2023 16:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD025554

Tgt Ion:180 Resp: 89192

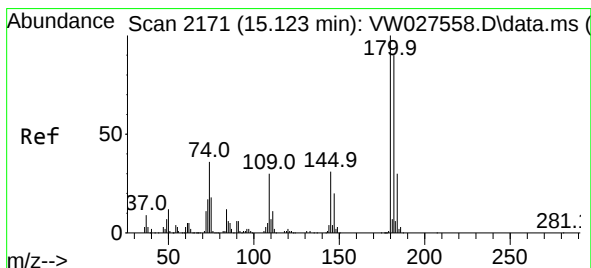
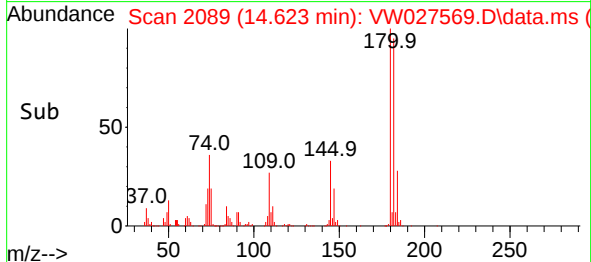
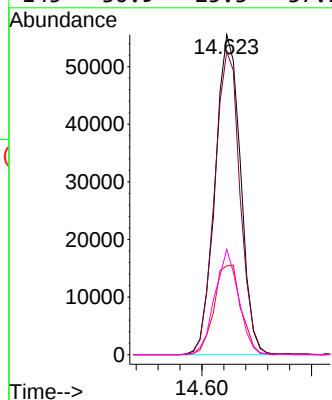
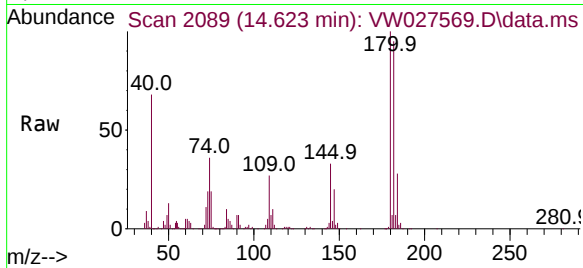
Ion Ratio Lower Upper

180 100

182 95.0 73.2 109.8

184 29.7 25.4 38.2

145 30.9 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 21.500 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW027569.D

Acq: 06 Dec 2023 16:15

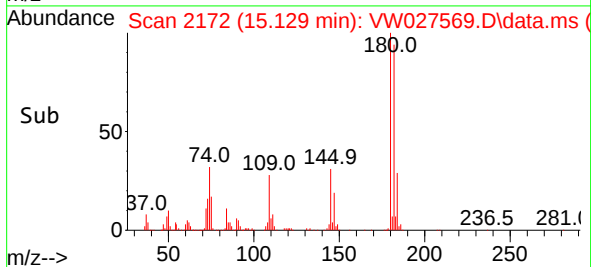
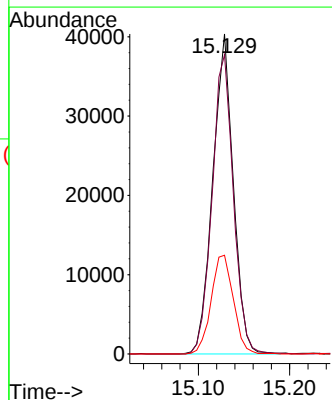
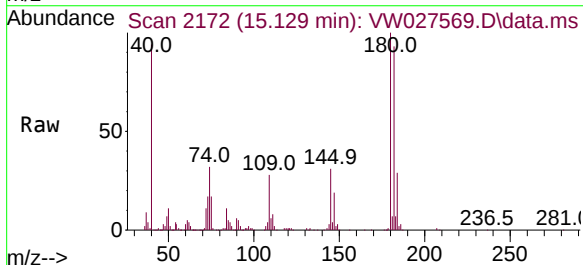
Tgt Ion:180 Resp: 62983

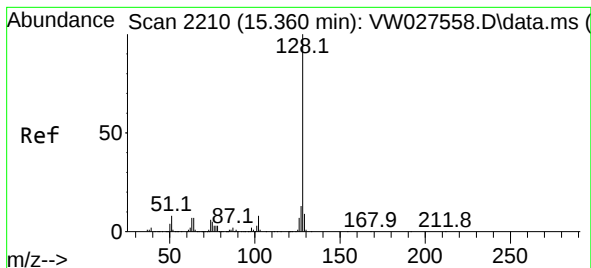
Ion Ratio Lower Upper

180 100

182 96.8 78.7 118.1

145 33.3 26.8 40.2





#71

Naphthalene

Concen: 17.481 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW027569.D

Acq: 06 Dec 2023 16:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD025554

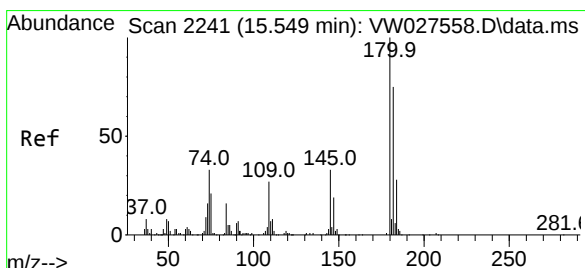
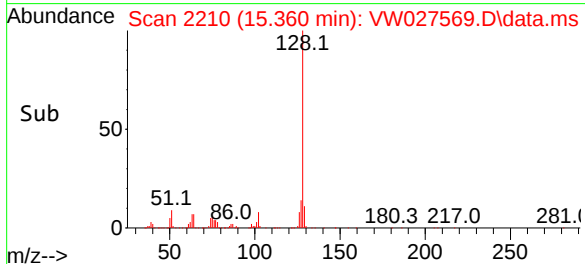
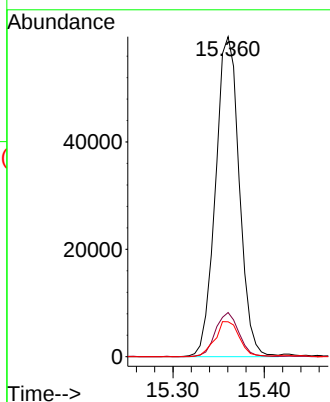
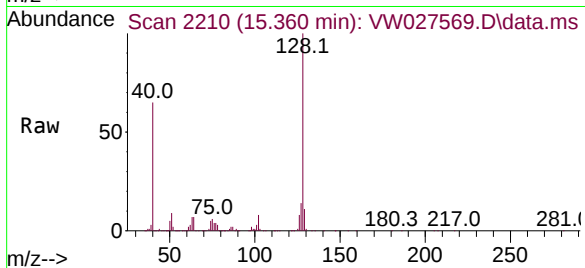
Tgt Ion:128 Resp: 107715

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

129 11.3 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 20.995 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW027569.D

Acq: 06 Dec 2023 16:15

Tgt Ion:180 Resp: 52687

Ion Ratio Lower Upper

180 100

182 93.8 72.4 108.6

145 33.7 27.4 41.0

