

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071222\
 Data File : VW023616.D
 Acq On : 12 Jul 2022 19:31
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025597

Quant Time: Jul 13 01:36:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070722SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jul 13 01:31:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	298300	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	291217	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	157527	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	133272	24.681	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.720%
7) Chloroethane-d5	2.879	69	90964	29.455	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	117.800%
11) 1,1-Dichloroethene-d2	4.019	63	143560	23.581	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.320%
21) 2-Butanone-d5	7.080	46	64508	57.528	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.060%
24) Chloroform-d	7.647	84	214150	25.204	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.800%
26) 1,2-Dichloroethane-d4	8.305	65	122991	25.610	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.440%
32) Benzene-d6	8.275	84	390820	24.255	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	9.274	67	119071	25.241	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.960%
41) Toluene-d8	10.323	98	374757	23.995	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.960%
43) trans-1,3-Dichloroprop...	10.579	79	47883	22.739	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.960%
47) 2-Hexanone-d5	10.920	63	49242	53.371	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.740%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	128044	27.359	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.440%
66) 1,2-Dichlorobenzene-d4	13.853	152	140757	24.766	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.001	85	63909	35.818	ug/L	97
3) Chloromethane	2.215	50	107502	26.016	ug/L	99
5) Vinyl chloride	2.355	62	179297	26.692	ug/L	95
6) Bromomethane	2.769	94	95437	24.610	ug/L	99
8) Chloroethane	2.916	64	79383	31.281	ug/L	91
9) Trichlorofluoromethane	3.245	101	56394	21.044	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.056	101	99117	23.298	ug/L	99
12) 1,1-Dichloroethene	4.031	96	83520	23.545	ug/L	93
13) Acetone	4.123	43	41677	50.431	ug/L	98
14) Carbon disulfide	4.379	76	233583	22.117	ug/L	96
15) Methyl Acetate	4.672	43	49847	25.697	ug/L	98
16) Methylene chloride	4.921	84	105814	20.917	ug/L	90
17) trans-1,2-Dichloroethene	5.421	96	98150	22.988	ug/L	95
18) Methyl tert-butyl Ether	5.427	73	154454	24.501	ug/L	98
19) 1,1-Dichloroethane	6.214	63	187394	25.021	ug/L	99
20) cis-1,2-Dichloroethene	7.171	96	116035	24.813	ug/L	97
22) 2-Butanone	7.171	43	71334	48.106	ug/L	99
23) Bromochloromethane	7.519	128	53986	23.200	ug/L	95
25) Chloroform	7.671	83	216395	25.436	ug/L	95

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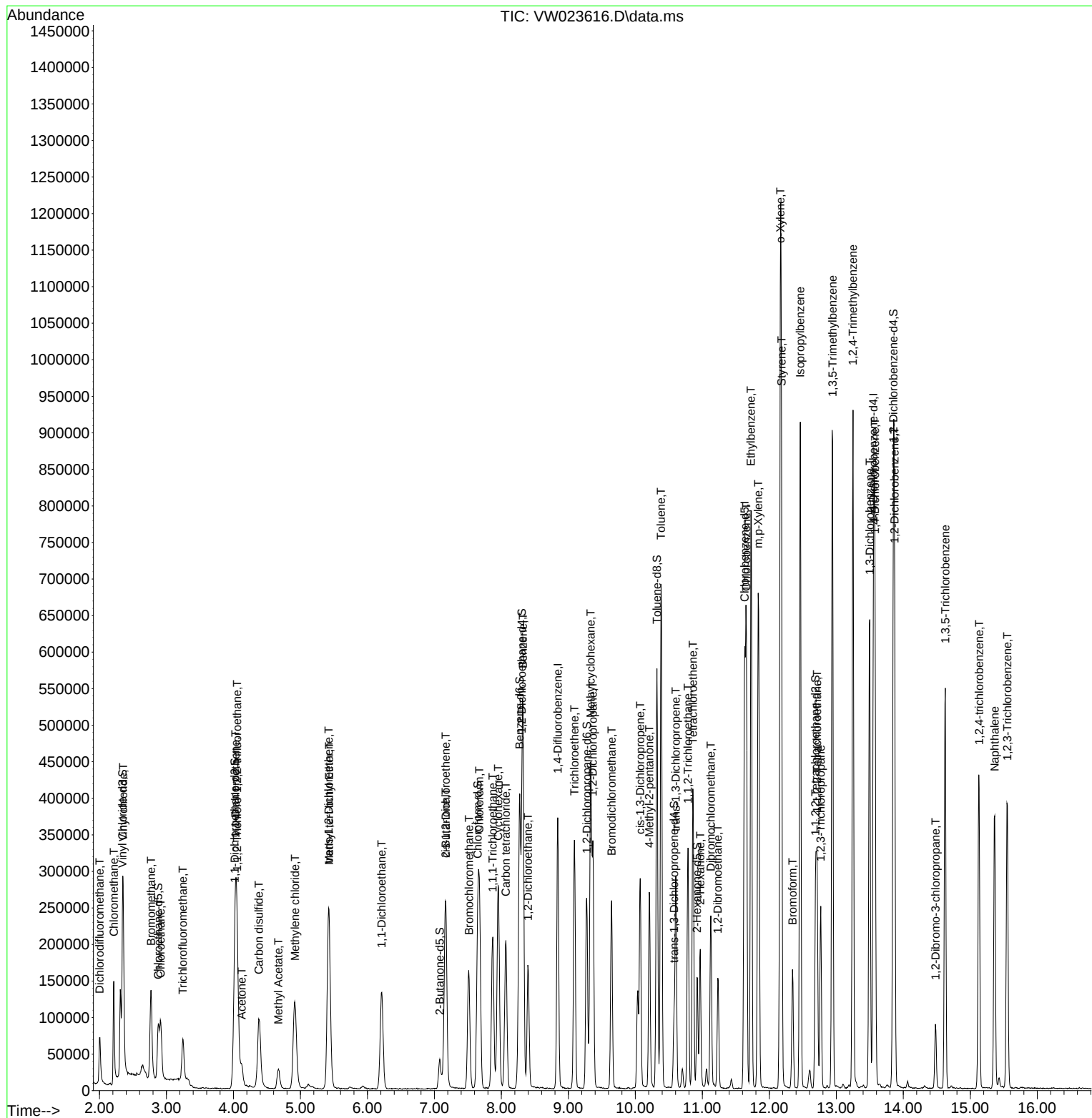
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.396	62	149273	25.928	ug/L	99
29) Cyclohexane	7.951	56	141641	23.380	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	164630	23.777	ug/L	99
31) Carbon tetrachloride	8.067	117	150170	23.412	ug/L	98
33) Benzene	8.323	78	448821	24.544	ug/L	100
34) Trichloroethene	9.091	95	114870	24.102	ug/L	96
35) Methylcyclohexane	9.335	83	175464	22.885	ug/L	99
37) 1,2-Dichloropropane	9.366	63	112747	25.503	ug/L	99
38) Bromodichloromethane	9.646	83	164016	26.277	ug/L	99
39) cis-1,3-Dichloropropene	10.073	75	162370	24.078	ug/L	97
40) 4-Methyl-2-pentanone	10.207	43	164547	55.908	ug/L	100
42) Toluene	10.384	91	506766	25.399	ug/L	98
44) trans-1,3-Dichloropropene	10.603	75	149832	24.098	ug/L	97
45) 1,1,2-Trichloroethane	10.786	97	96760	25.427	ug/L	98
46) Tetrachloroethene	10.859	164	85948	22.942	ug/L	96
48) 2-Hexanone	10.969	43	110485	52.985	ug/L	97
49) Dibromochloromethane	11.128	129	117687	25.979	ug/L	94
50) 1,2-Dibromoethane	11.231	107	97308	25.903	ug/L	99
51) Chlorobenzene	11.658	112	332405	24.470	ug/L	99
52) Ethylbenzene	11.725	91	555264	24.649	ug/L	100
53) m,p-Xylene	11.835	106	220019	25.176	ug/L	99
54) o-Xylene	12.164	106	211241	25.241	ug/L	100
55) Styrene	12.182	104	377510	25.940	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.713	83	130832	26.720	ug/L	96
59) Bromoform	12.347	173	67368	25.566	ug/L	98
60) Isopropylbenzene	12.463	105	562672	24.716	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	94508	26.391	ug/L	99
62) 1,3,5-Trimethylbenzene	12.944	105	476656	25.248	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	469075	24.838	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	260347	24.176	ug/L	98
65) 1,4-Dichlorobenzene	13.578	146	262305	24.016	ug/L	98
67) 1,2-Dichlorobenzene	13.871	146	241463	24.315	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.481	75	21198	25.119	ug/L	95
69) 1,3,5-Trichlorobenzene	14.627	180	156725	22.430	ug/L	98
70) 1,2,4-trichlorobenzene	15.133	180	129016	22.852	ug/L	97
71) Naphthalene	15.365	128	314619	25.816	ug/L	100
72) 1,2,3-Trichlorobenzene	15.554	180	125642	24.008	ug/L	99

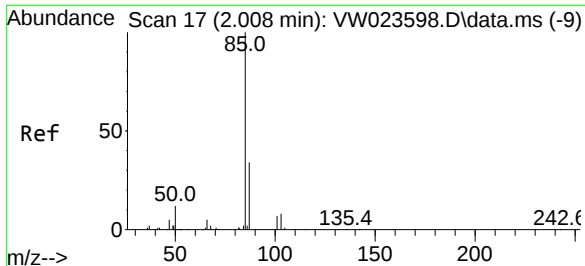
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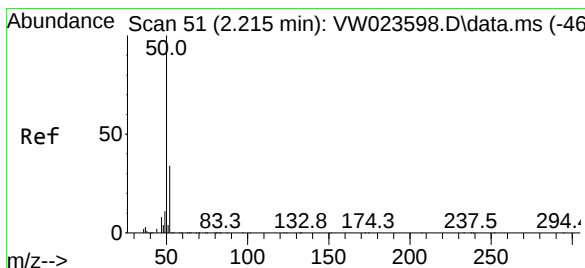
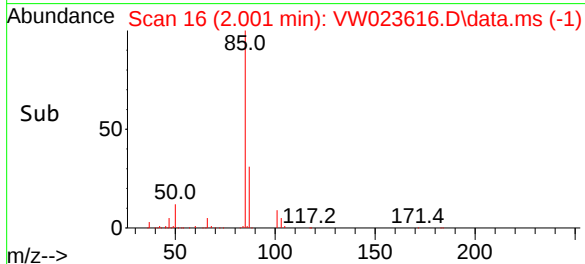
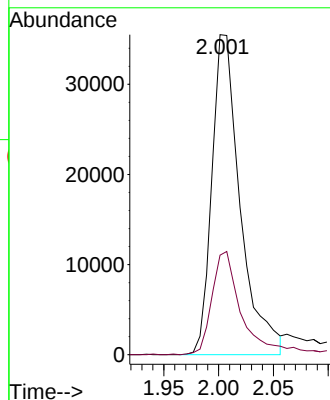
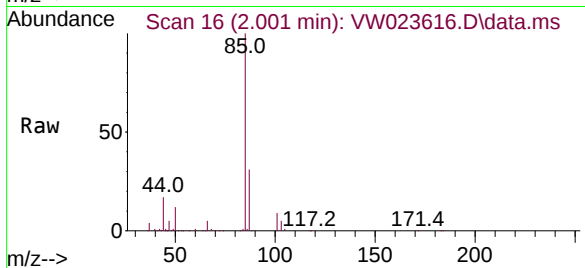




#2
 Dichlorodifluoromethane
 Concen: 35.818 ug/L
 RT: 2.001 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: VW023616.D
 Acq: 12 Jul 2022 19:31

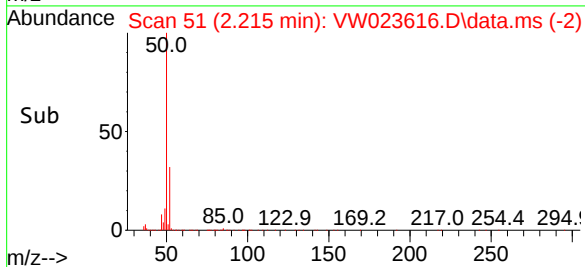
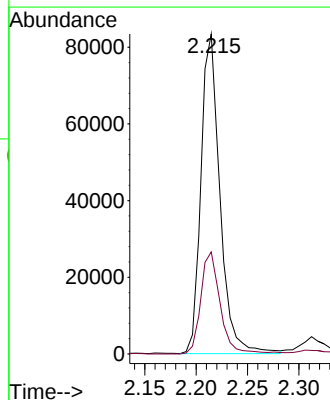
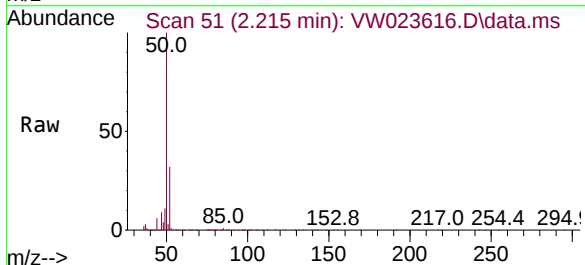
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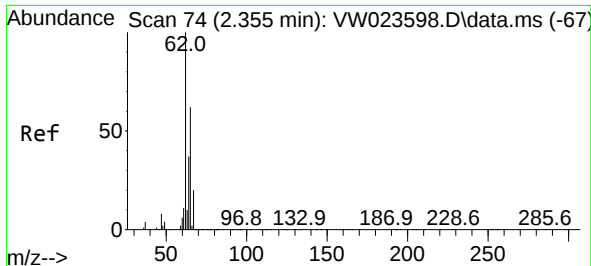
Tgt Ion: 85 Resp: 63909
 Ion Ratio Lower Upper
 85 100
 87 34.2 26.0 39.0



#3
 Chloromethane
 Concen: 26.016 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VW023616.D
 Acq: 12 Jul 2022 19:31

Tgt Ion: 50 Resp: 107502
 Ion Ratio Lower Upper
 50 100
 52 31.9 22.5 41.9

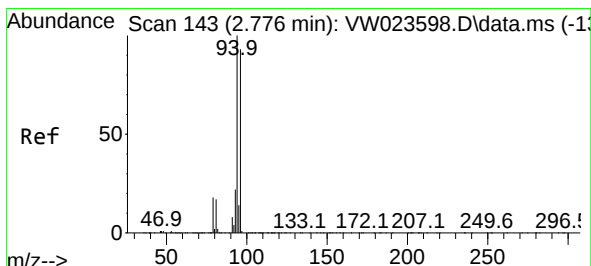
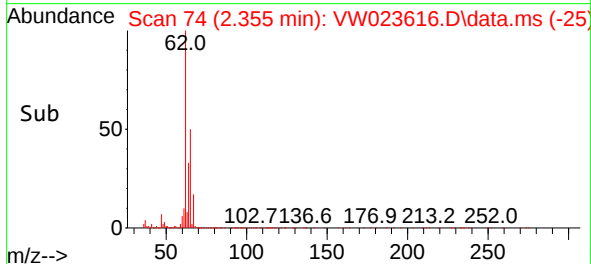
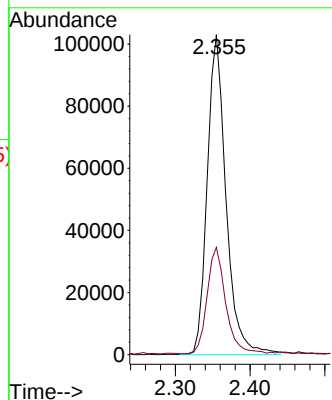
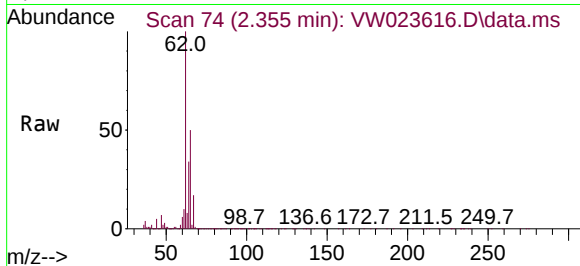




#5
 Vinyl chloride
 Concen: 26.692 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: VW023616.D
 Acq: 12 Jul 2022 19:31

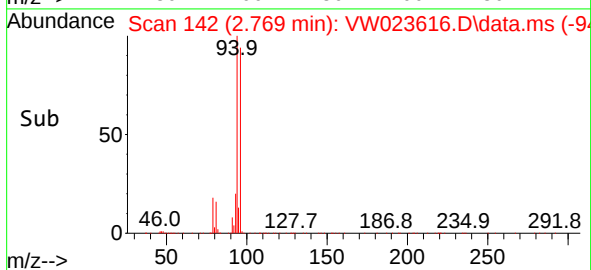
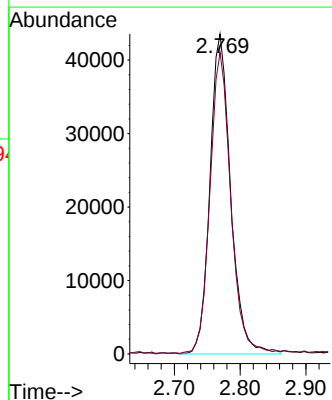
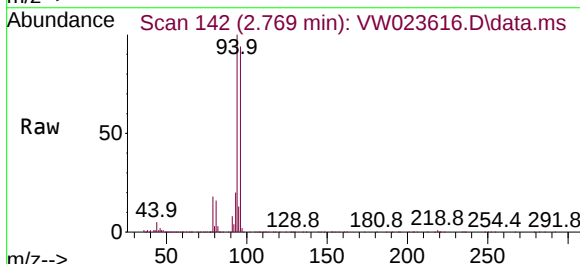
Instrument :
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 ClientSampleId :
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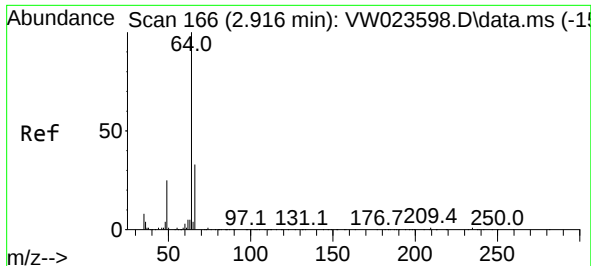
Tgt Ion: 62 Resp: 179297
 Ion Ratio Lower Upper
 62 100
 64 33.6 25.8 47.8



#6
 Bromomethane
 Concen: 24.610 ug/L
 RT: 2.769 min Scan# 142
 Delta R.T. -0.006 min
 Lab File: VW023616.D
 Acq: 12 Jul 2022 19:31

Tgt Ion: 94 Resp: 95437
 Ion Ratio Lower Upper
 94 100
 96 94.2 65.6 121.8

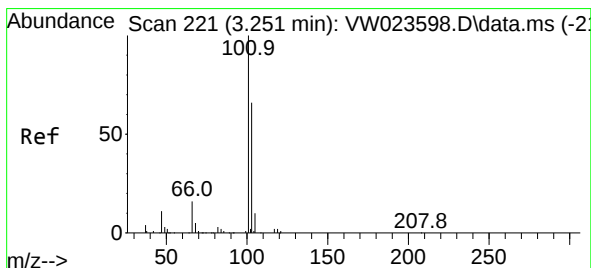
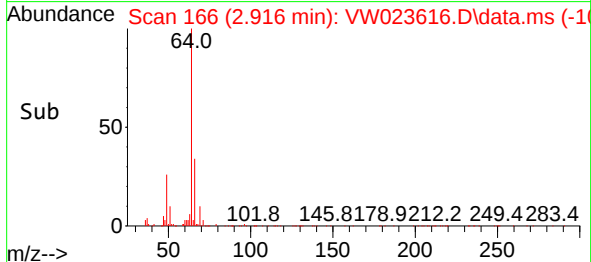
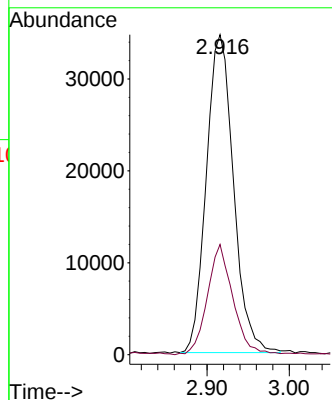
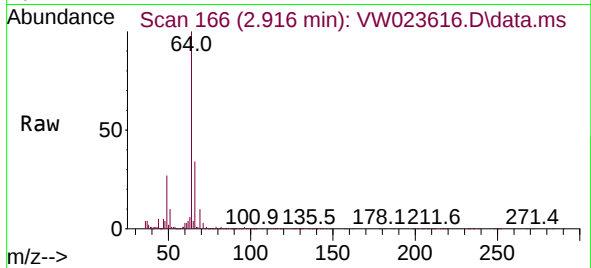




#8
Chloroethane
Concen: 31.281 ug/L
RT: 2.916 min Scan# 166
Delta R.T. -0.000 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

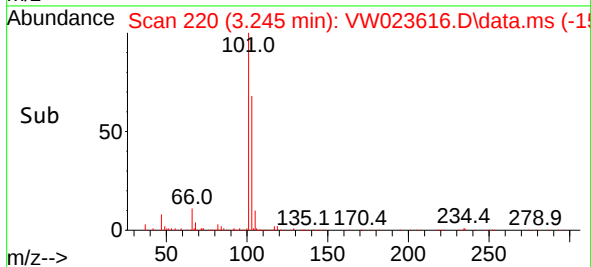
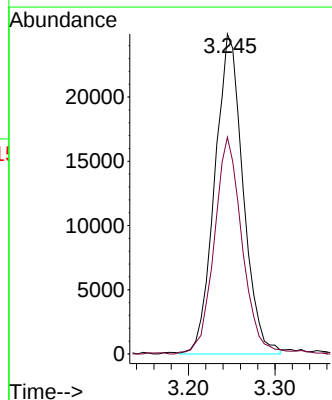
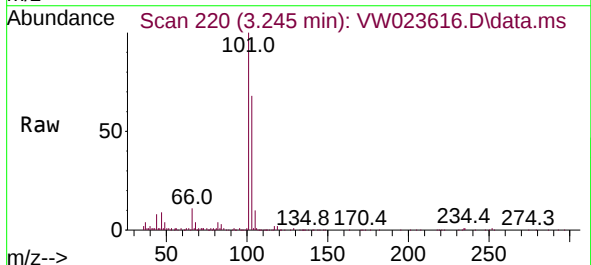
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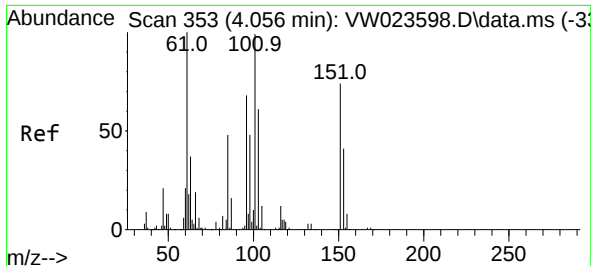
Tgt Ion: 64 Resp: 79383
Ion Ratio Lower Upper
64 100
66 34.5 20.6 38.2



#9
Trichlorofluoromethane
Concen: 21.044 ug/L
RT: 3.245 min Scan# 220
Delta R.T. -0.006 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

Tgt Ion: 101 Resp: 56394
Ion Ratio Lower Upper
101 100
103 66.6 53.2 79.8

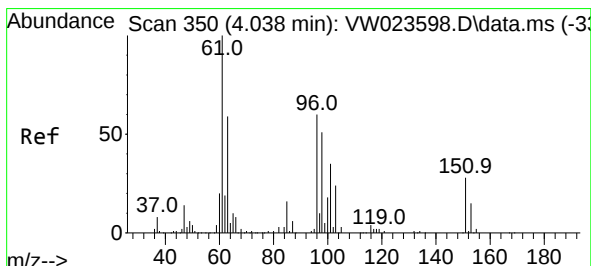
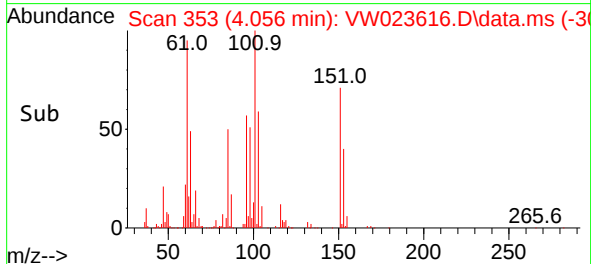
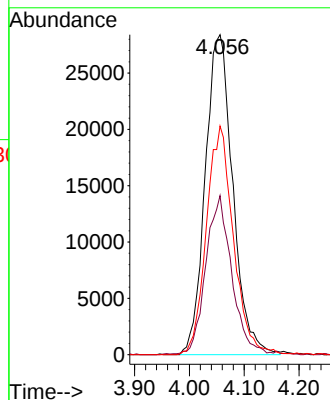
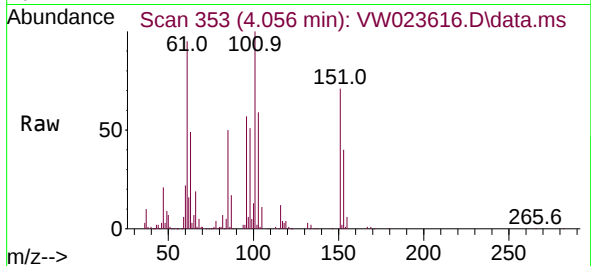




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.298 ug/L
 RT: 4.056 min Scan# 310
 Delta R.T. -0.000 min
 Lab File: VW023616.D
 Acq: 12 Jul 2022 19:31

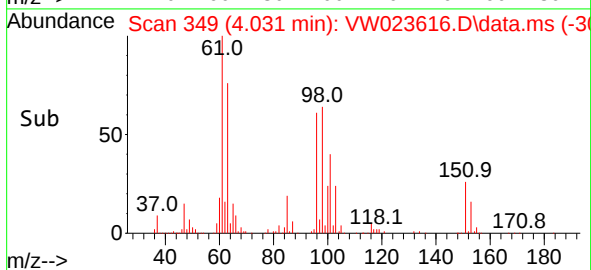
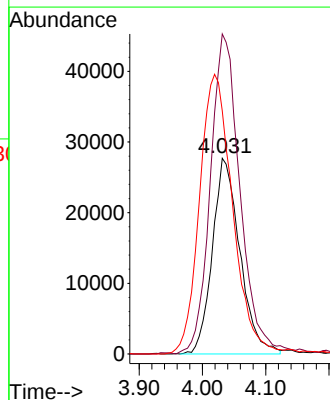
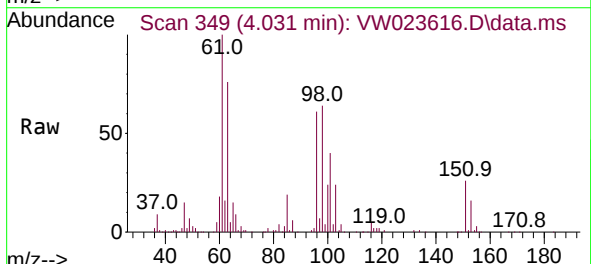
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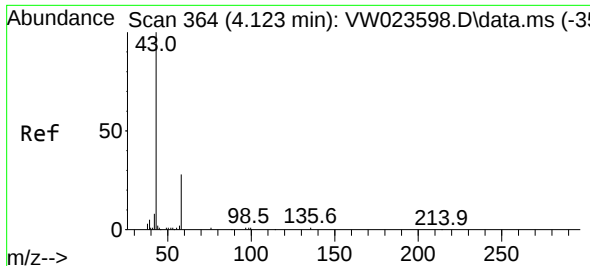
Tgt Ion:	101	Resp:	99117
Ion	Ratio	Lower	Upper
101	100		
85	46.4	37.0	55.4
151	69.7	54.6	81.8



#12
 1,1-Dichloroethene
 Concen: 23.545 ug/L
 RT: 4.031 min Scan# 349
 Delta R.T. -0.006 min
 Lab File: VW023616.D
 Acq: 12 Jul 2022 19:31

Tgt Ion:	96	Resp:	83520
Ion	Ratio	Lower	Upper
96	100		
61	163.5	122.0	226.6
63	124.2	83.0	154.2

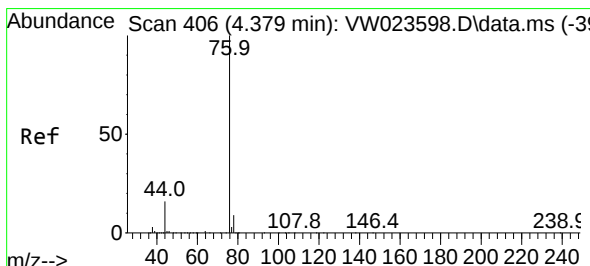
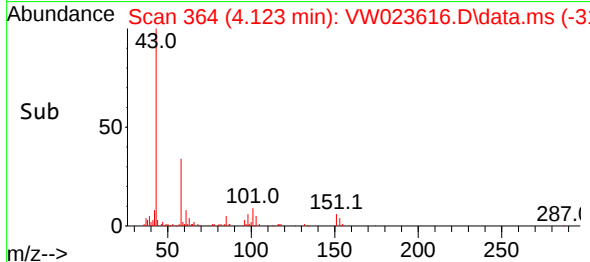
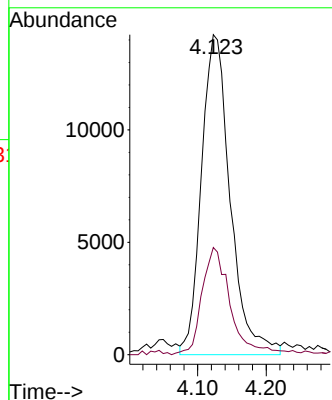
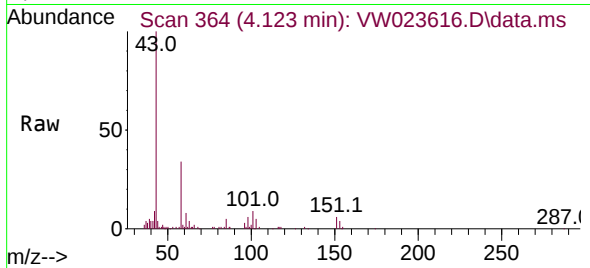




#13
Acetone
Concen: 50.431 ug/L
RT: 4.123 min Scan# 364
Delta R.T. -0.000 min
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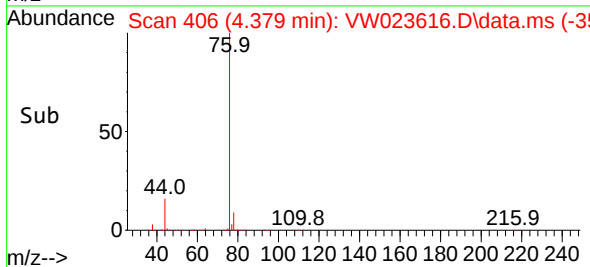
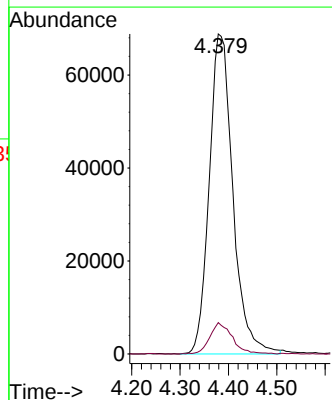
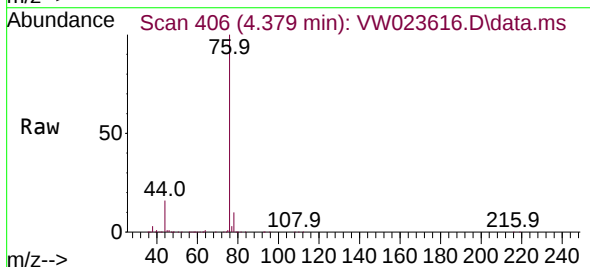
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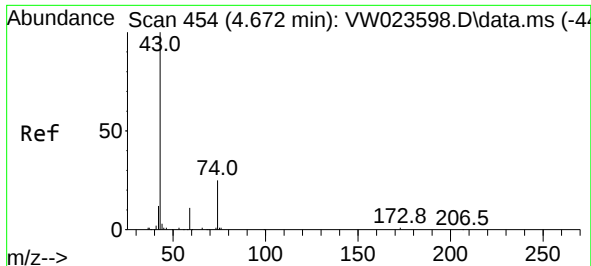
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Ion Ratio Lower Upper
43 100
58 31.8 0.0 61.2



#14
Carbon disulfide
Concen: 22.117 ug/L
RT: 4.379 min Scan# 406
Delta R.T. -0.000 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

Tgt Ion: 76 Resp: 233583
Ion Ratio Lower Upper
76 100
78 9.8 6.8 10.2

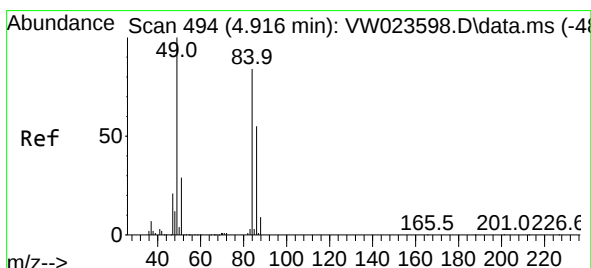
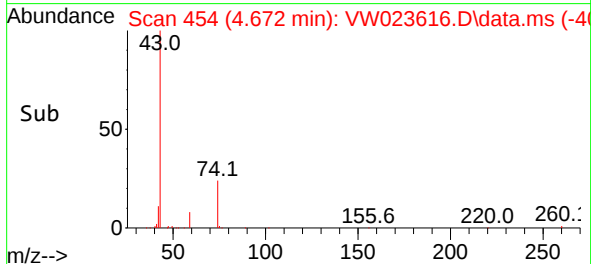
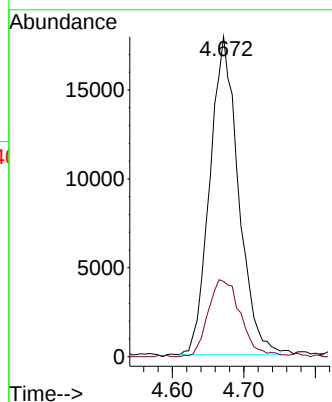
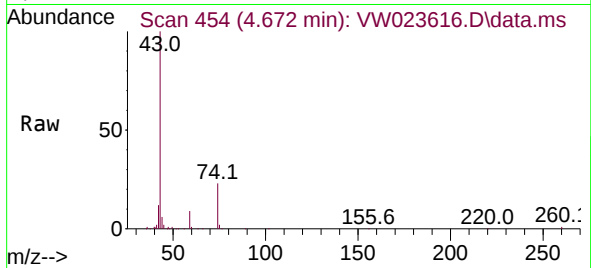




#15
Methyl Acetate
Concen: 25.697 ug/L
RT: 4.672 min Scan# 415
Delta R.T. -0.000 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

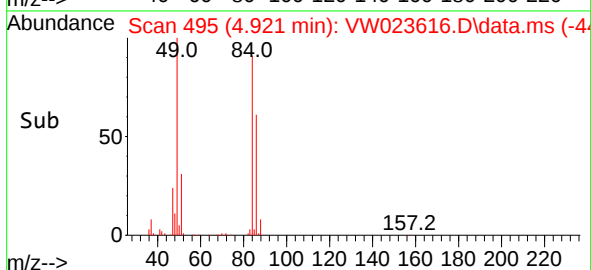
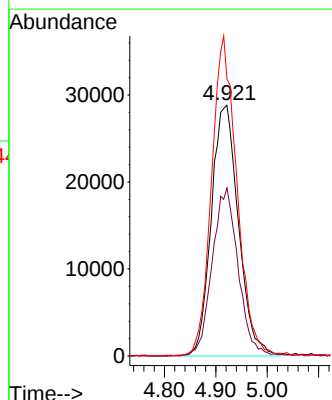
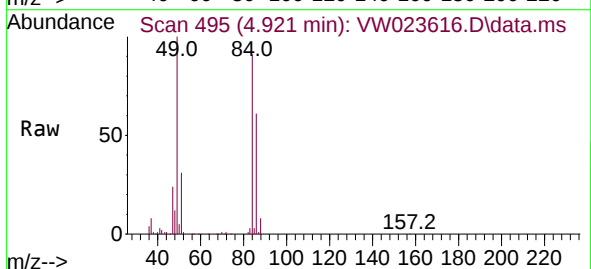
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

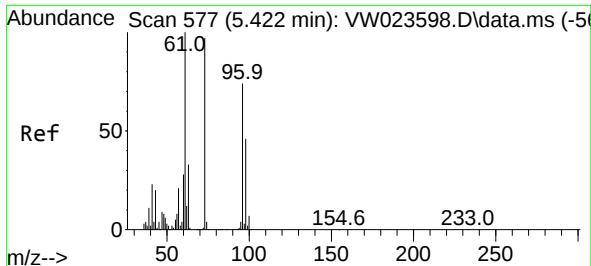
Tgt Ion: 43 Resp: 49847
Ion Ratio Lower Upper
43 100
74 26.6 20.4 30.6



#16
Methylene chloride
Concen: 20.917 ug/L
RT: 4.921 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

Tgt Ion: 84 Resp: 105814
Ion Ratio Lower Upper
84 100
86 67.0 44.9 83.3
49 110.5 87.6 162.6

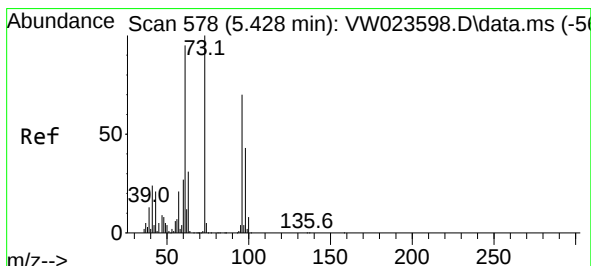
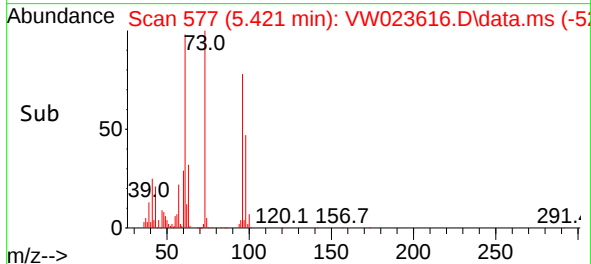
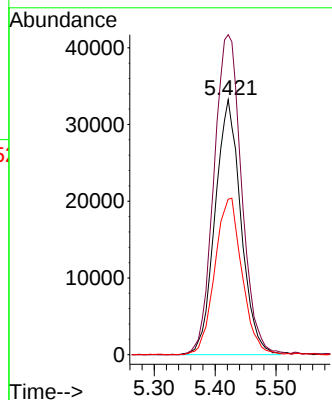
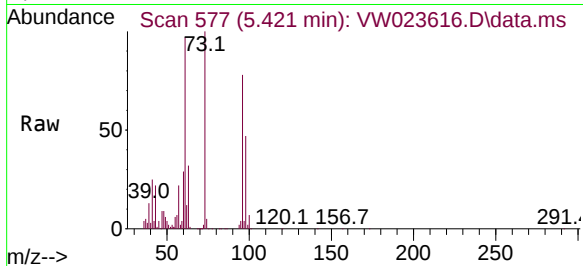




#17
trans-1,2-Dichloroethene
Concen: 22.988 ug/L
RT: 5.421 min Scan# 577
Delta R.T. -0.000 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

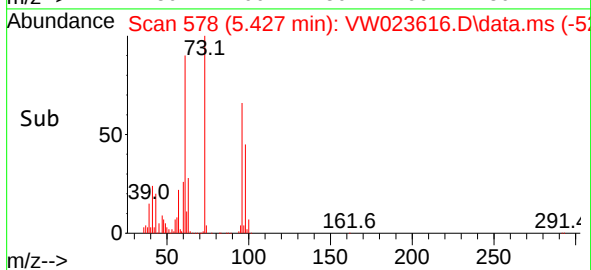
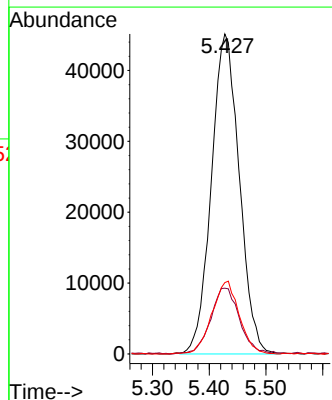
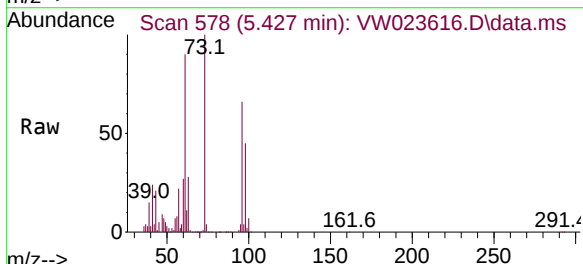
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

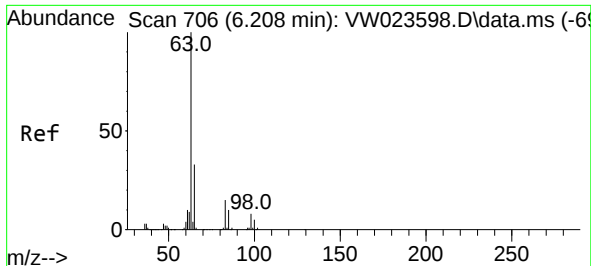
Tgt Ion: 96 Resp: 98150
Ion Ratio Lower Upper
96 100
61 125.4 92.3 171.5
98 60.9 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 24.501 ug/L
RT: 5.427 min Scan# 578
Delta R.T. -0.000 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

Tgt Ion: 73 Resp: 154454
Ion Ratio Lower Upper
73 100
43 21.3 16.2 24.2
57 22.2 16.9 25.3

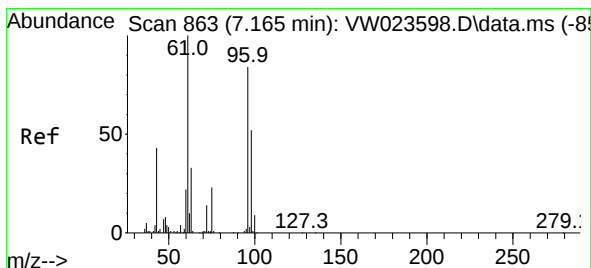
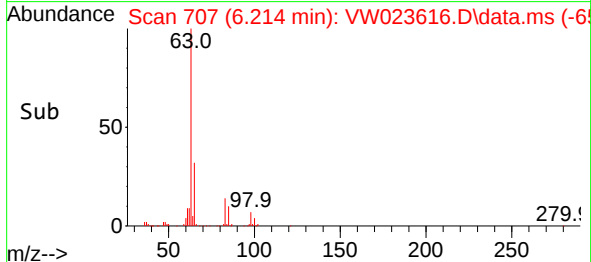
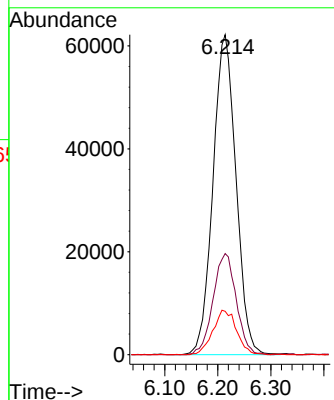
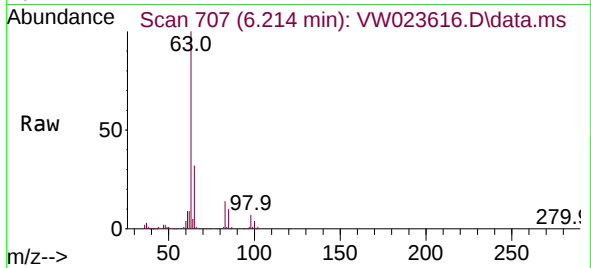




#19
1,1-Dichloroethane
Concen: 25.021 ug/L
RT: 6.214 min Scan# 706
Delta R.T. 0.006 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

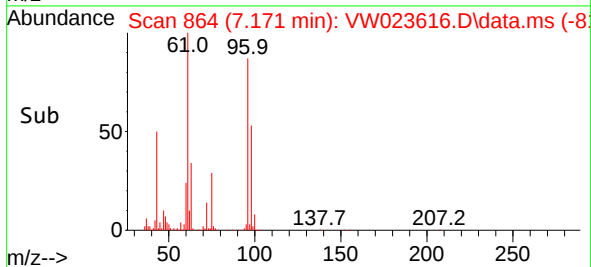
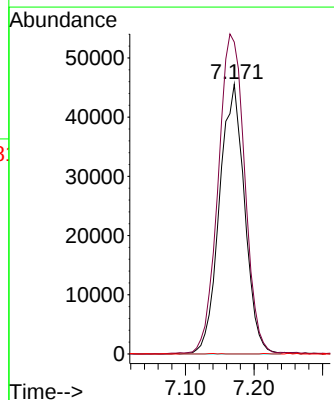
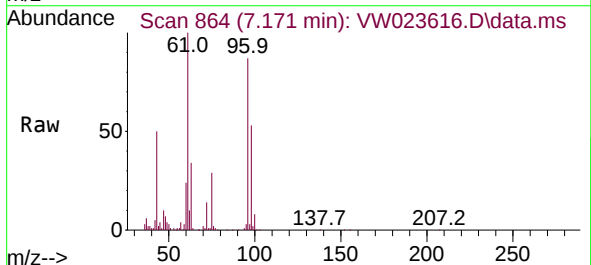
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

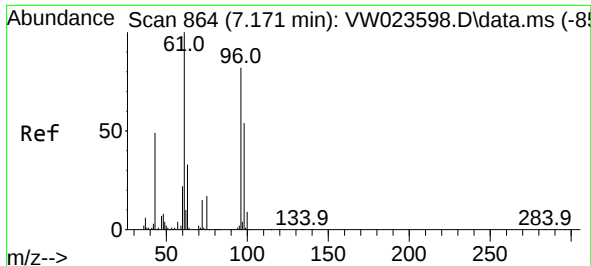
Tgt Ion: 63 Resp: 187394
Ion Ratio Lower Upper
63 100
65 31.6 22.3 41.3
83 13.5 9.8 18.2



#20
cis-1,2-Dichloroethene
Concen: 24.813 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

Tgt Ion: 96 Resp: 116035
Ion Ratio Lower Upper
96 100
61 115.6 83.2 154.6
68 0.0 0.0 0.0

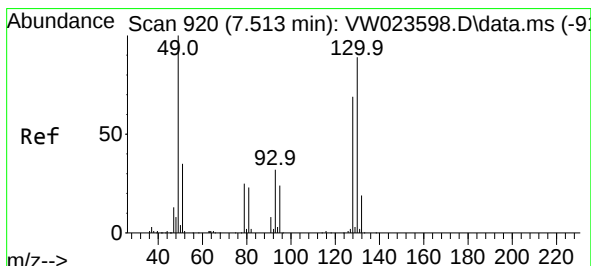
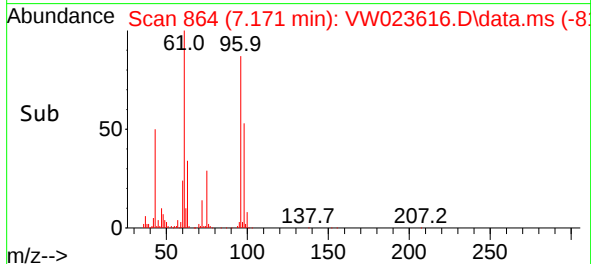
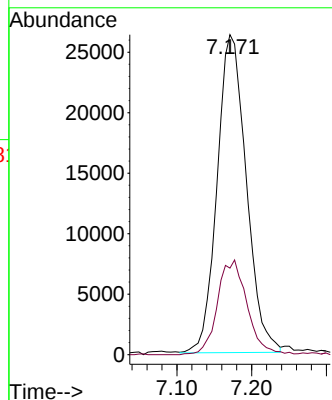
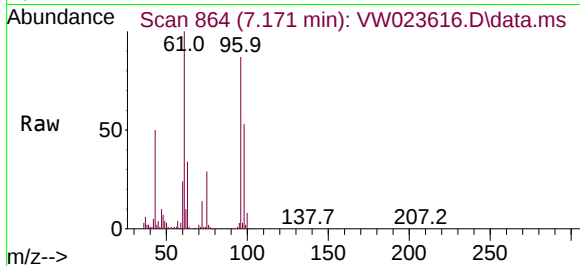




#22
2-Butanone
Concen: 48.106 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.000 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

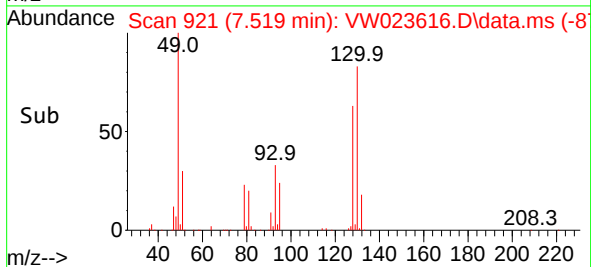
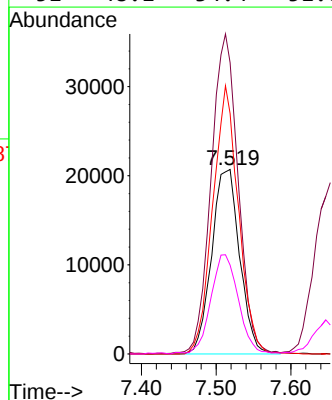
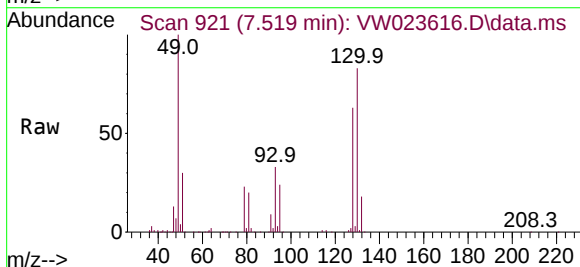
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

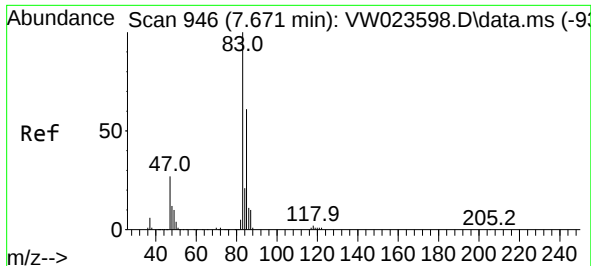
Tgt Ion: 43 Resp: 71334
Ion Ratio Lower Upper
43 100
72 30.2 15.4 46.1



#23
Bromochloromethane
Concen: 23.200 ug/L
RT: 7.519 min Scan# 921
Delta R.T. 0.006 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

Tgt Ion: 128 Resp: 53986
Ion Ratio Lower Upper
128 100
49 157.9 105.8 196.6
130 130.3 87.6 162.8
51 48.1 34.4 51.6

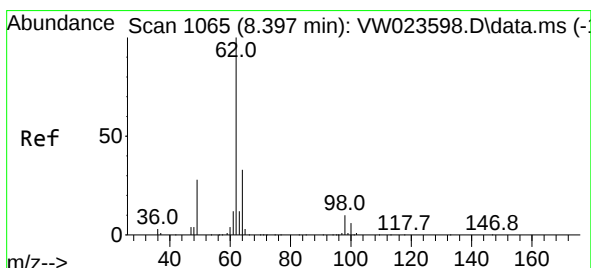
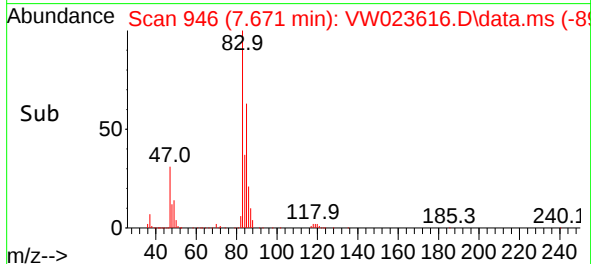
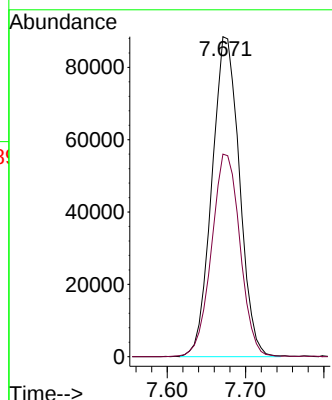
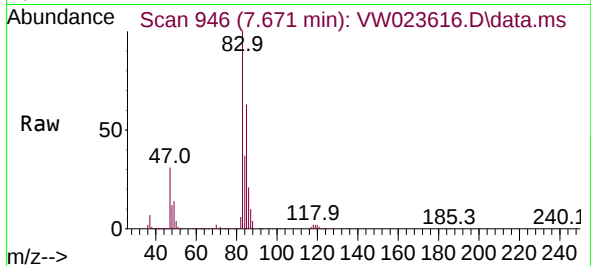




#25
Chloroform
Concen: 25.436 ug/L
RT: 7.671 min Scan# 946
Delta R.T. -0.000 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

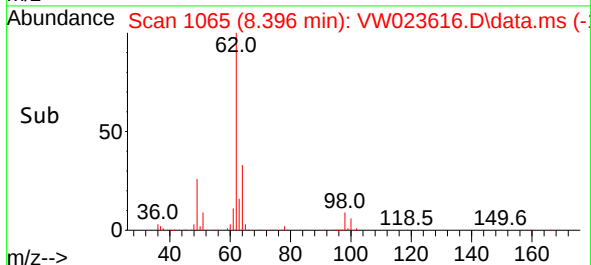
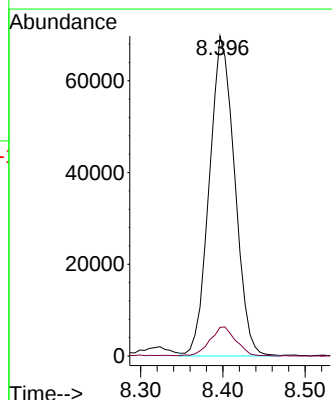
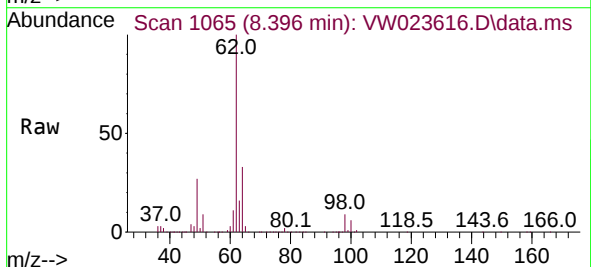
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

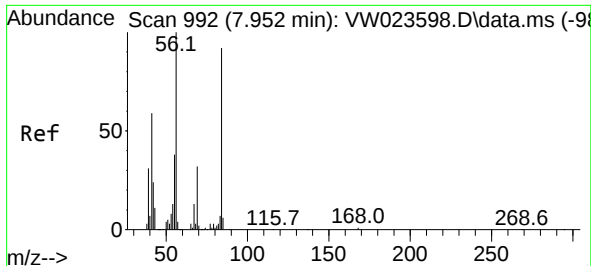
Tgt Ion: 83 Resp: 216395
Ion Ratio Lower Upper
83 100
85 63.3 47.0 87.4



#27
1,2-Dichloroethane
Concen: 25.928 ug/L
RT: 8.396 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

Tgt Ion: 62 Resp: 149273
Ion Ratio Lower Upper
62 100
98 9.0 7.4 11.0





#29

Cyclohexane

Concen: 23.380 ug/L

RT: 7.951 min Scan# 992

Delta R.T. -0.000 min

Lab File: VW023616.D

Acq: 12 Jul 2022 19:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD025597

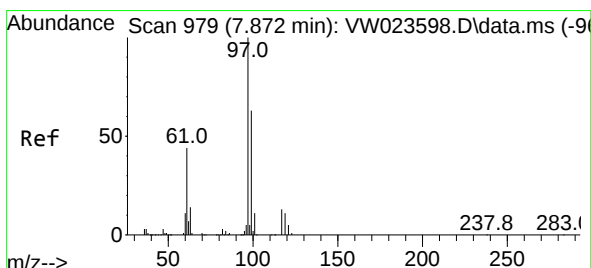
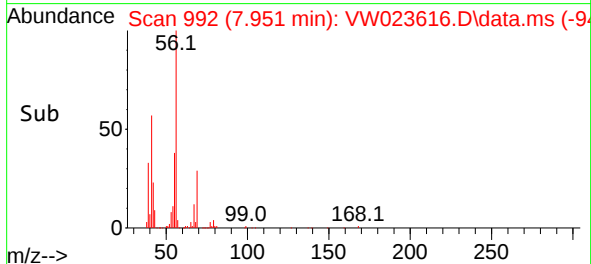
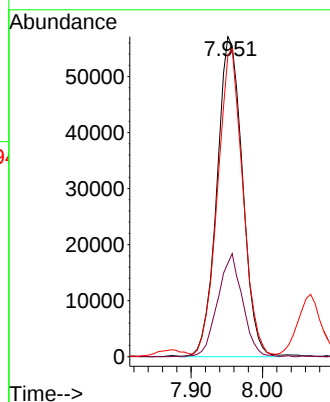
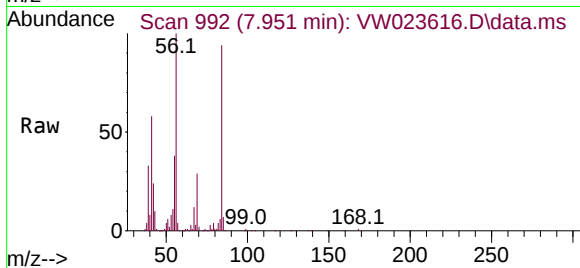
Tgt Ion: 56 Resp: 141641

Ion Ratio Lower Upper

56 100

69 31.1 25.6 38.4

84 95.3 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 23.777 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.000 min

Lab File: VW023616.D

Acq: 12 Jul 2022 19:31

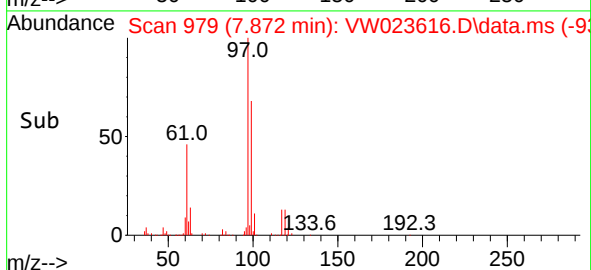
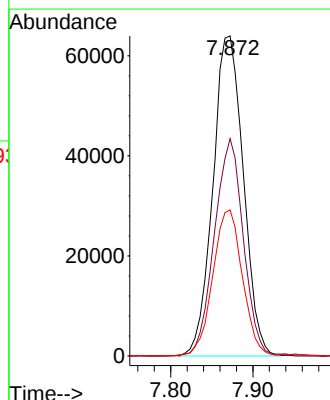
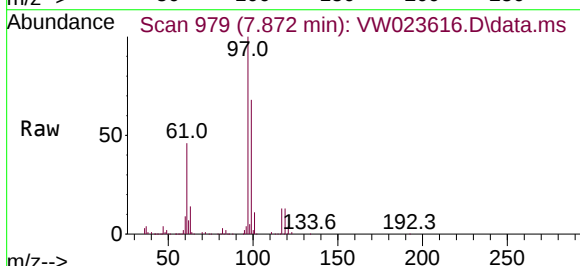
Tgt Ion: 97 Resp: 164630

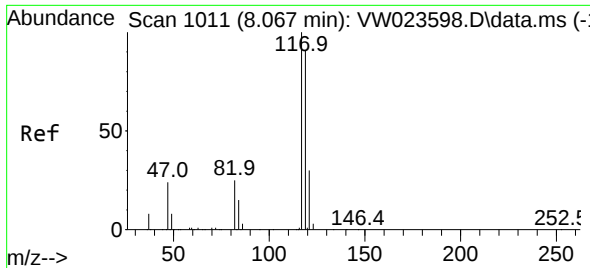
Ion Ratio Lower Upper

97 100

99 64.5 50.8 76.2

61 44.2 35.8 53.8

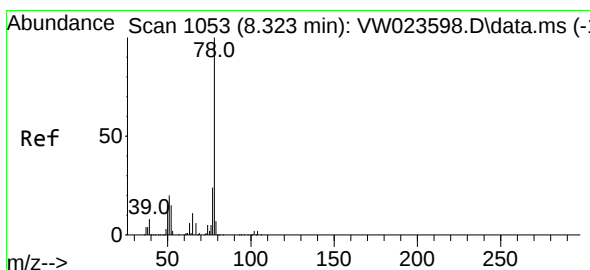
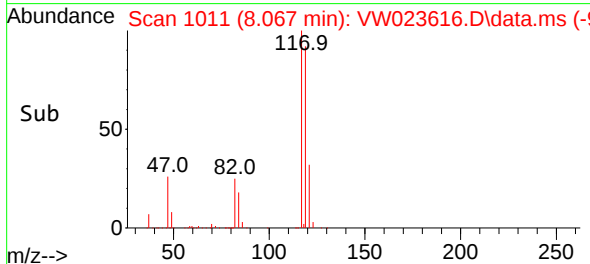
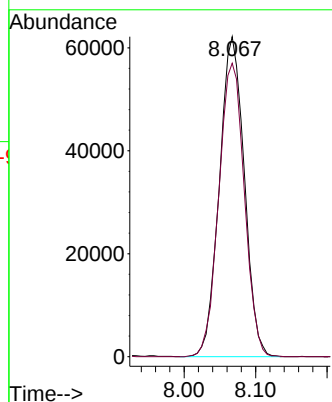
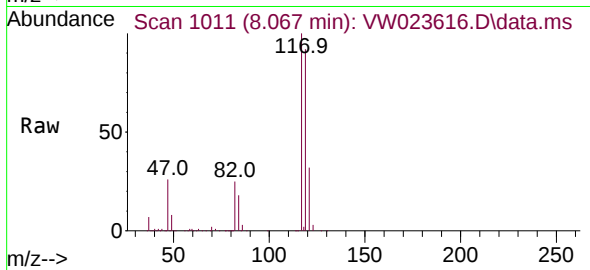




#31
Carbon tetrachloride
Concen: 23.412 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.000 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

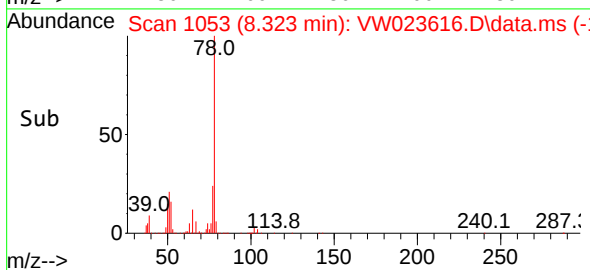
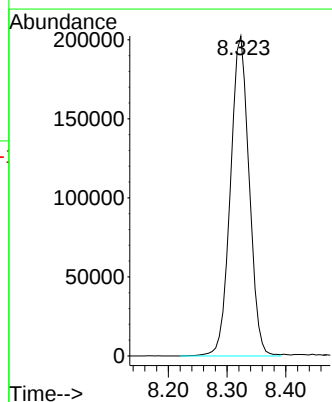
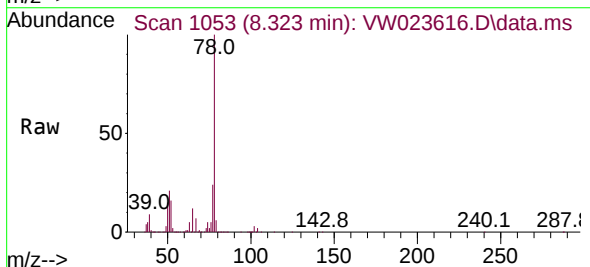
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

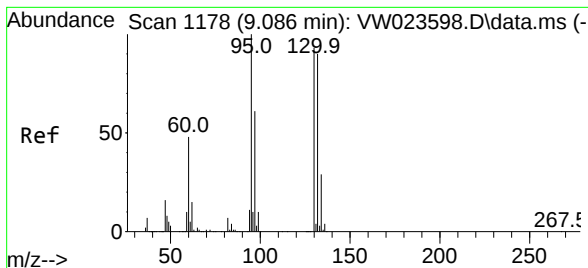
Tgt Ion:117 Resp: 150170
Ion Ratio Lower Upper
117 100
119 94.1 76.7 115.1



#33
Benzene
Concen: 24.544 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

Tgt Ion: 78 Resp: 448821





#34

Trichloroethene

Concen: 24.102 ug/L

RT: 9.091 min Scan# 1178

Delta R.T. 0.006 min

Lab File: VW023616.D

Acq: 12 Jul 2022 19:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD025597

Tgt Ion: 95 Resp: 114870

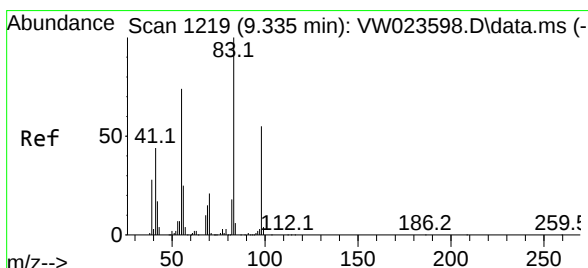
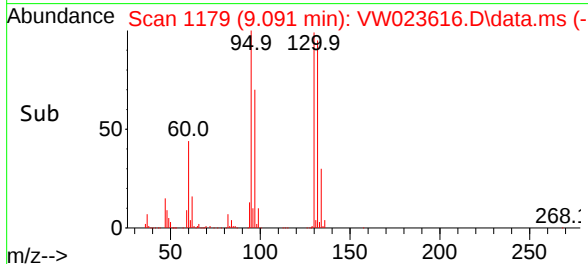
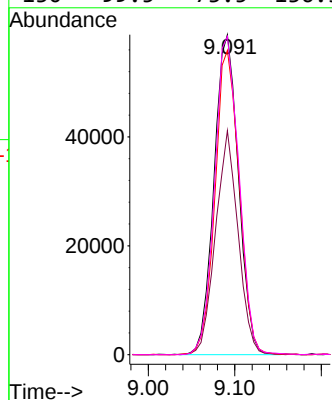
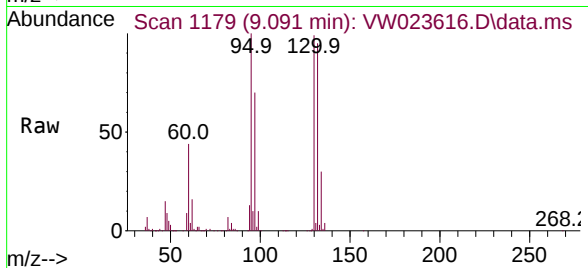
Ion Ratio Lower Upper

95 100

97 70.0 47.5 88.1

132 95.1 68.9 127.9

130 99.5 73.5 136.5



#35

Methylcyclohexane

Concen: 22.885 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW023616.D

Acq: 12 Jul 2022 19:31

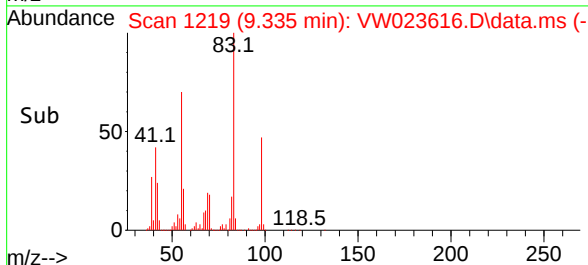
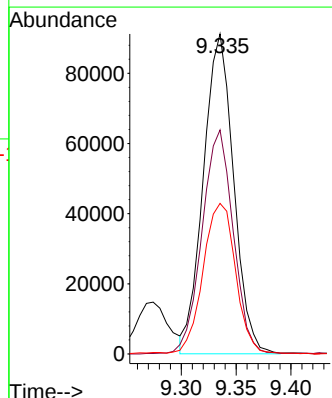
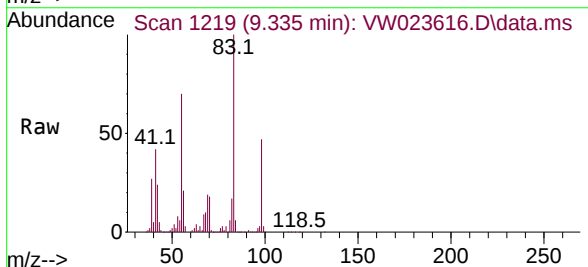
Tgt Ion: 83 Resp: 175464

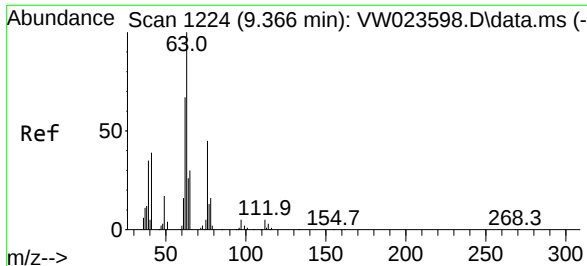
Ion Ratio Lower Upper

83 100

55 72.2 57.0 85.6

98 50.7 40.2 60.4





#37

1,2-Dichloropropane

Concen: 25.503 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW023616.D

Acq: 12 Jul 2022 19:31

Instrument :

MSVOA_W

ClientSampleId :

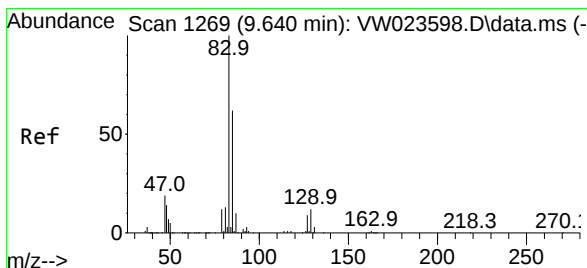
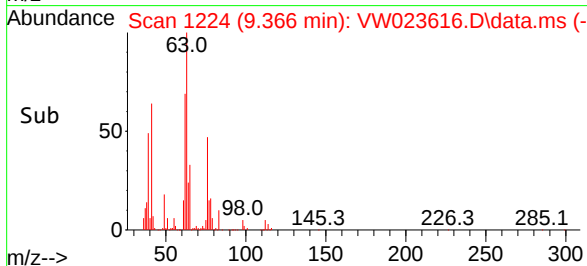
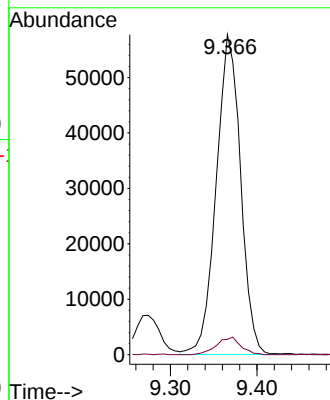
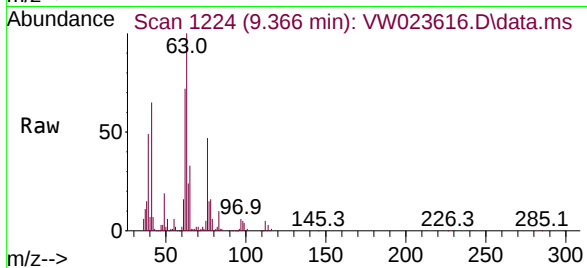
VSTD025597

Tgt Ion: 63 Resp: 112747

Ion Ratio Lower Upper

63 100

112 5.5 4.1 6.1



#38

Bromodichloromethane

Concen: 26.277 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.006 min

Lab File: VW023616.D

Acq: 12 Jul 2022 19:31

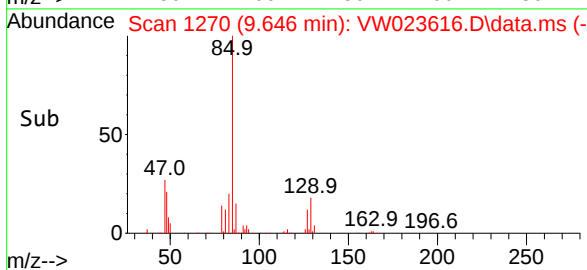
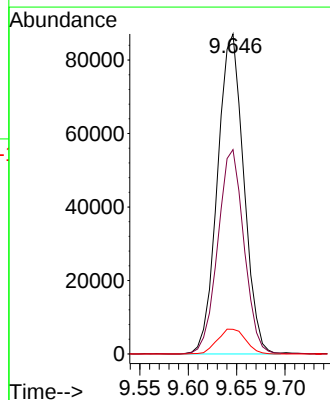
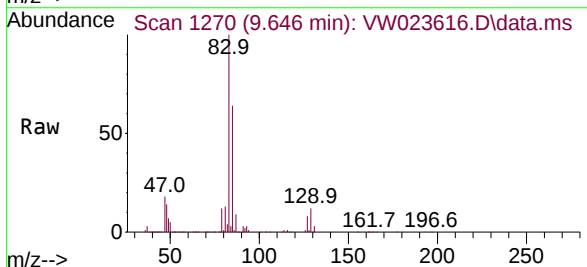
Tgt Ion: 83 Resp: 164016

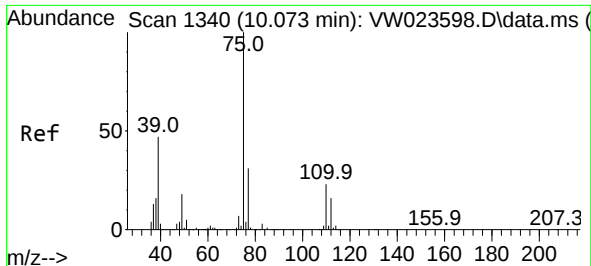
Ion Ratio Lower Upper

83 100

85 63.9 44.2 82.0

127 7.7 6.6 10.0

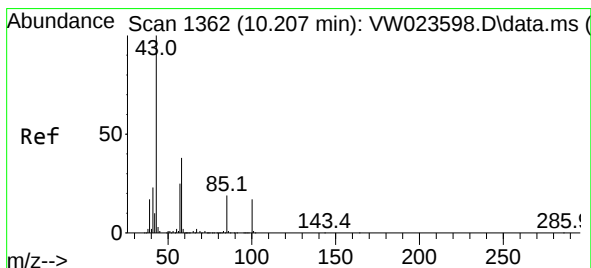
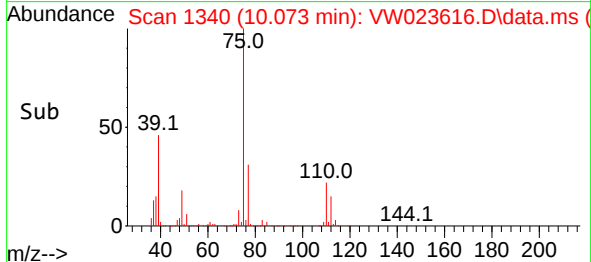
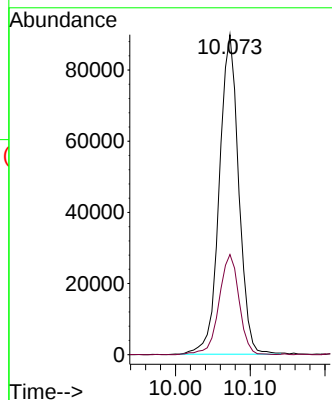
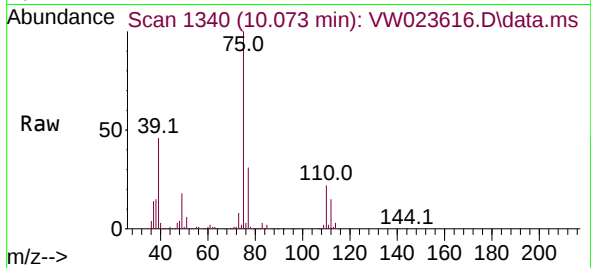




#39
 cis-1,3-Dichloropropene
 Concen: 24.078 ug/L
 RT: 10.073 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VW023616.D
 Acq: 12 Jul 2022 19:31

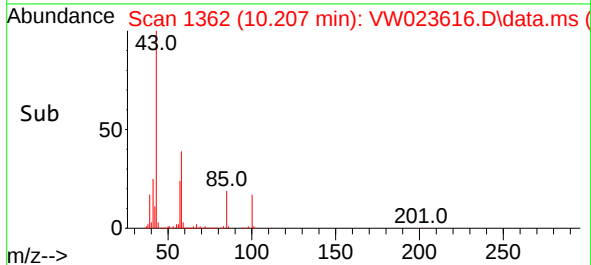
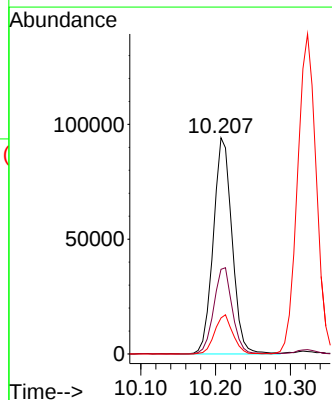
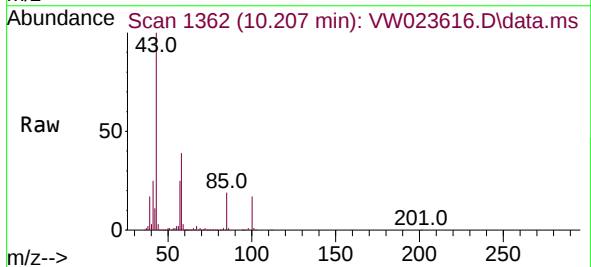
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025597

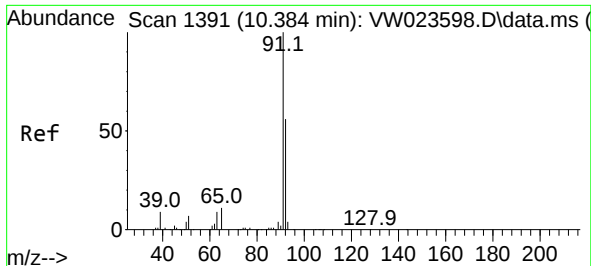
Tgt Ion: 75 Resp: 162370
 Ion Ratio Lower Upper
 75 100
 77 31.3 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 55.908 ug/L
 RT: 10.207 min Scan# 1362
 Delta R.T. -0.000 min
 Lab File: VW023616.D
 Acq: 12 Jul 2022 19:31

Tgt Ion: 43 Resp: 164547
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.8 47.8
 100 17.4 14.0 21.0

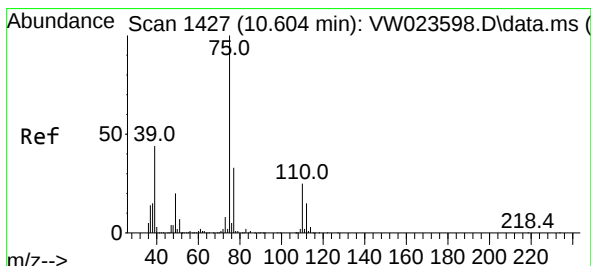
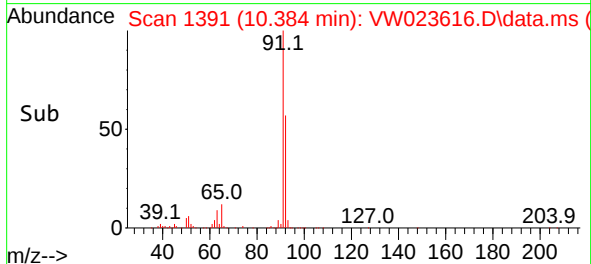
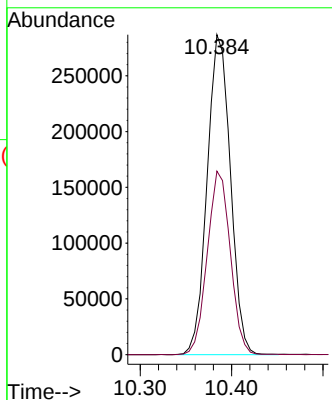
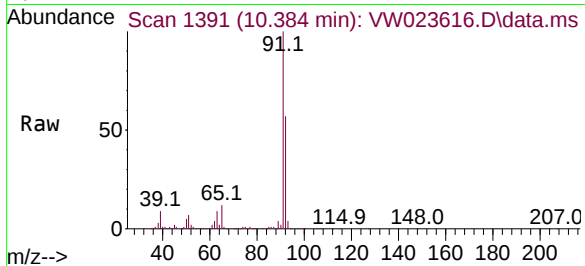




#42
Toluene
Concen: 25.399 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

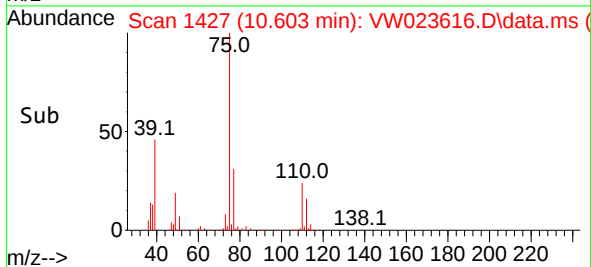
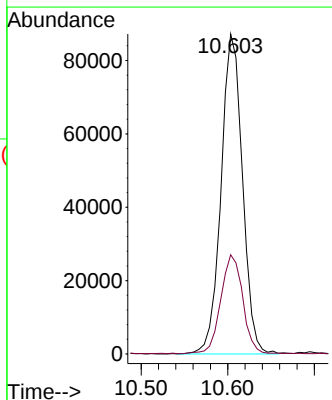
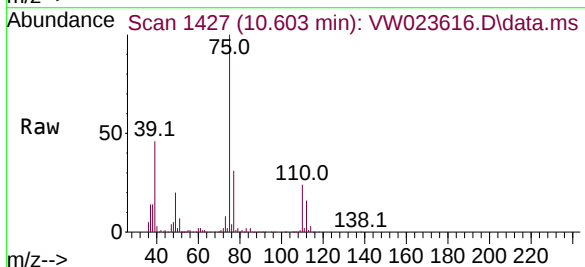
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

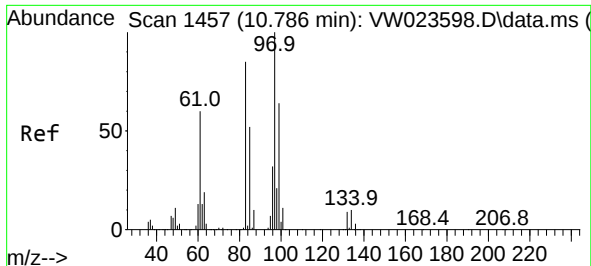
Tgt Ion: 91 Resp: 506766
Ion Ratio Lower Upper
91 100
92 57.4 41.2 76.4



#44
trans-1,3-Dichloropropene
Concen: 24.098 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

Tgt Ion: 75 Resp: 149832
Ion Ratio Lower Upper
75 100
77 31.0 22.9 42.5

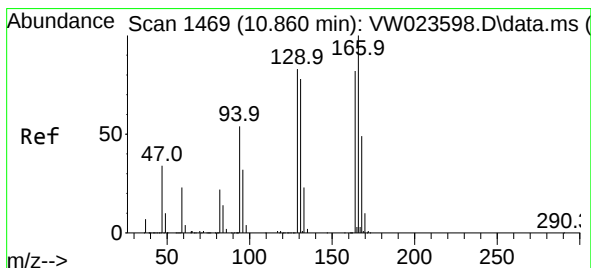
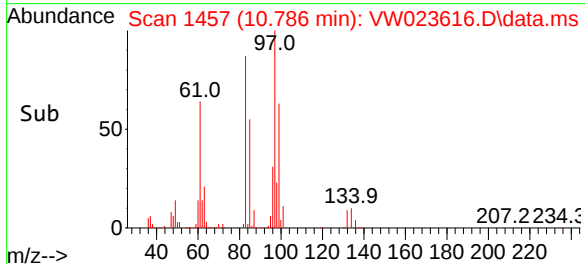
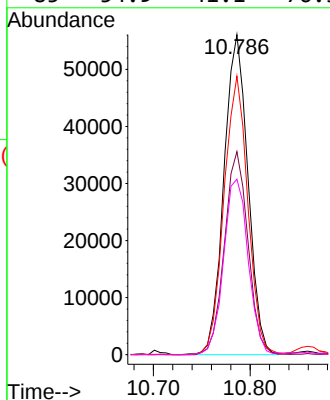
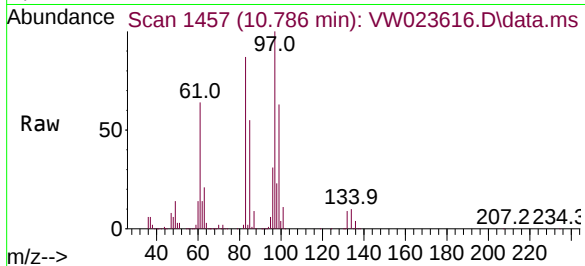




#45
1,1,2-Trichloroethane
Concen: 25.427 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

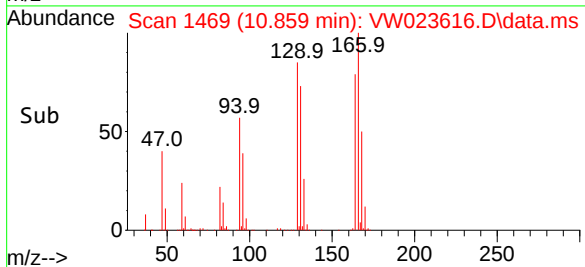
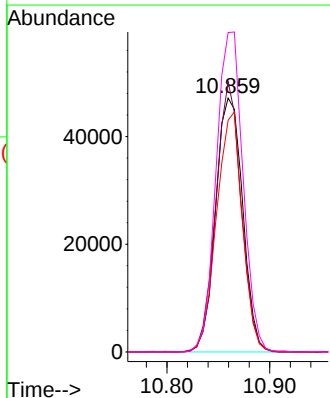
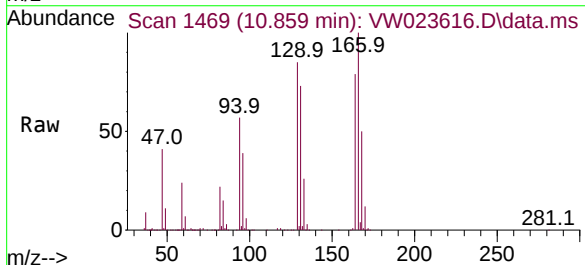
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

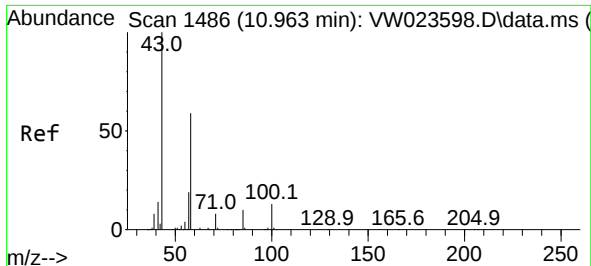
Tgt Ion:	97	Resp:	96760
Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.9	81.5
83	87.0	59.8	111.0
85	54.9	41.1	76.3



#46
Tetrachloroethene
Concen: 22.942 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

Tgt Ion:	164	Resp:	85948
Ion	Ratio	Lower	Upper
164	100		
129	106.5	71.3	132.3
131	91.2	67.0	124.4
166	125.8	90.2	167.6

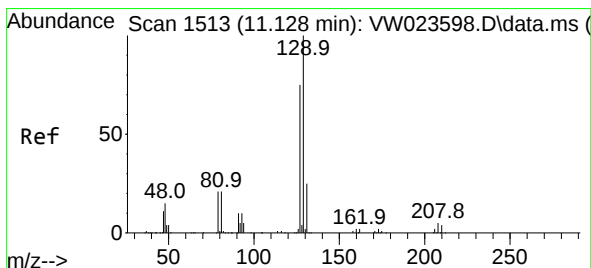
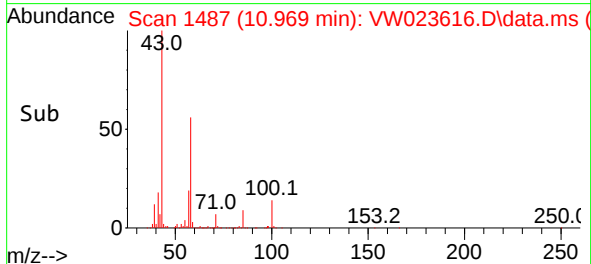
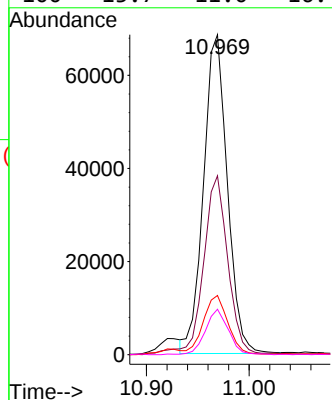
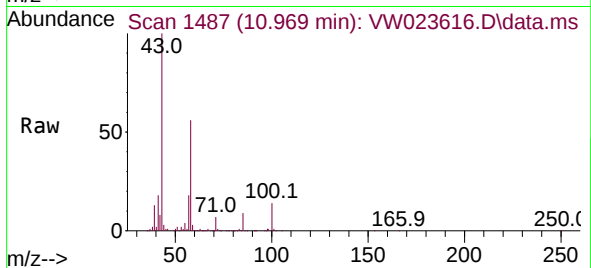




#48
2-Hexanone
Concen: 52.985 ug/L
RT: 10.969 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

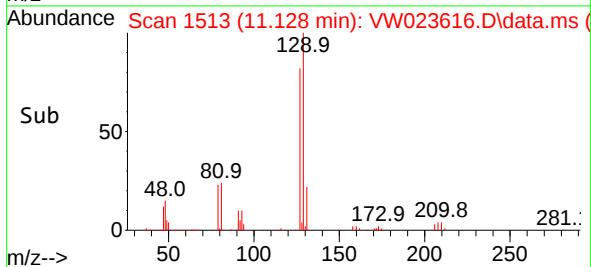
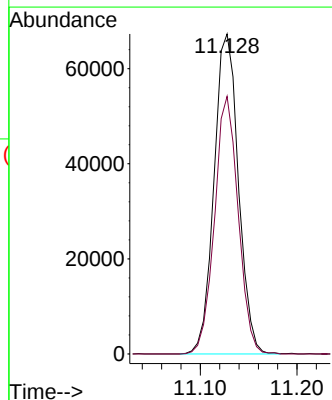
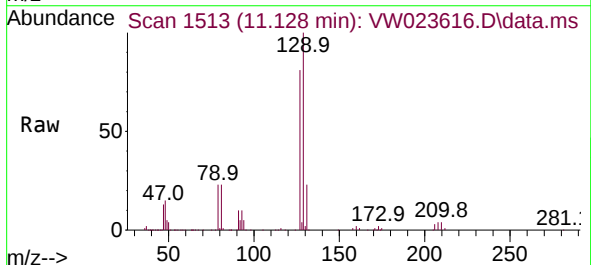
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

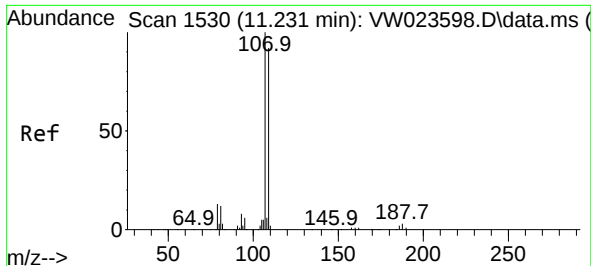
Tgt Ion: 43 Resp: 110485
Ion Ratio Lower Upper
43 100
58 57.4 43.7 65.5
57 19.2 15.7 23.5
100 13.7 11.0 16.4



#49
Dibromochloromethane
Concen: 25.979 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

Tgt Ion: 129 Resp: 117687
Ion Ratio Lower Upper
129 100
127 80.5 52.7 97.9





#50

1,2-Dibromoethane

Concen: 25.903 ug/L

RT: 11.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW023616.D

Acq: 12 Jul 2022 19:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD025597

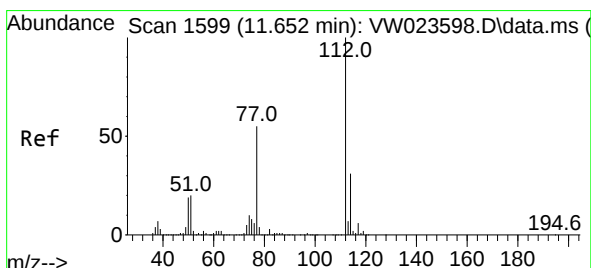
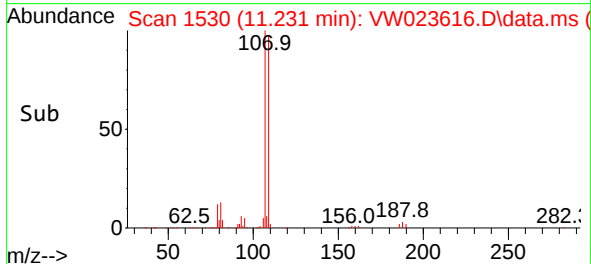
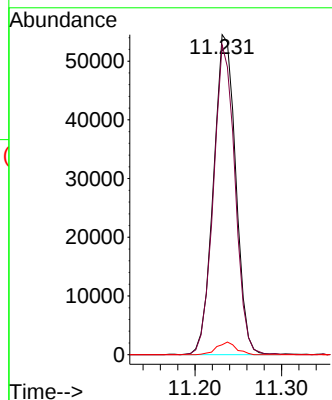
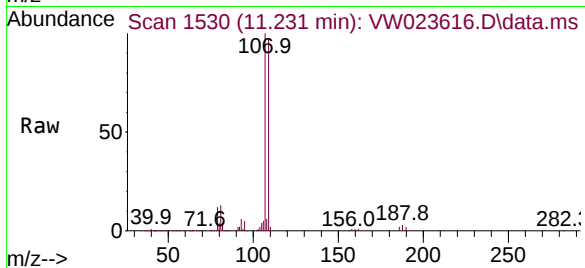
Tgt Ion:107 Resp: 97308

Ion Ratio Lower Upper

107 100

109 96.9 67.2 124.8

188 3.1 2.7 4.1



#51

Chlorobenzene

Concen: 24.470 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.006 min

Lab File: VW023616.D

Acq: 12 Jul 2022 19:31

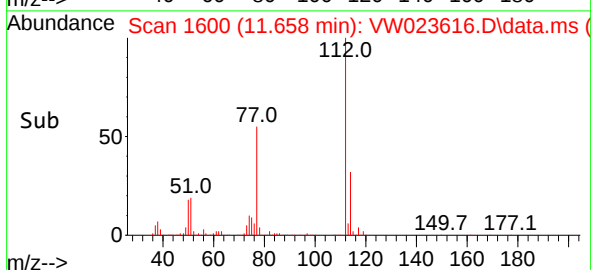
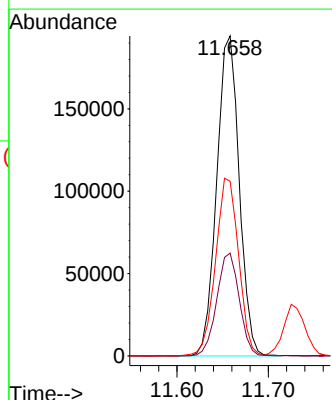
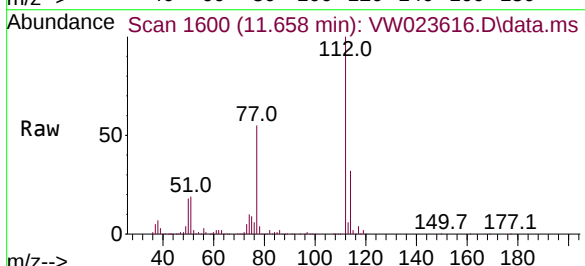
Tgt Ion:112 Resp: 332405

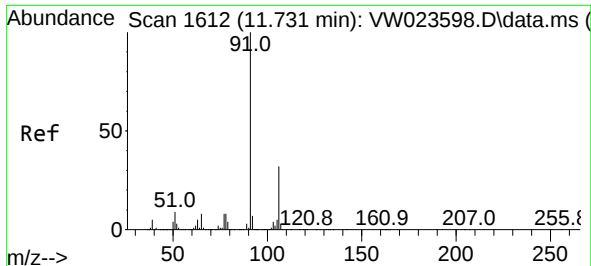
Ion Ratio Lower Upper

112 100

114 32.1 23.1 42.9

77 54.6 44.2 66.4

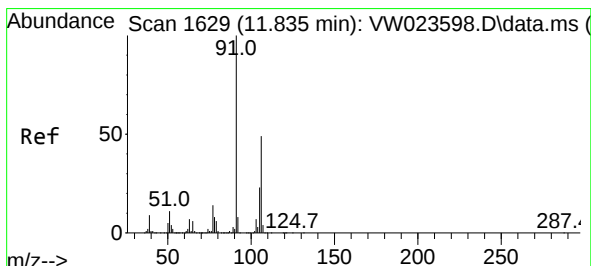
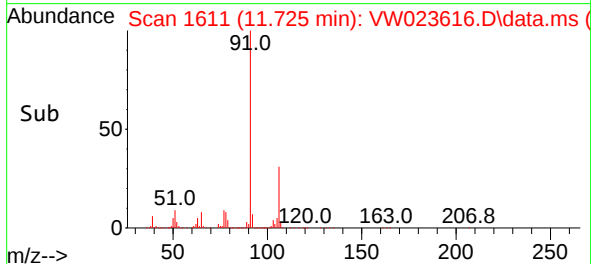
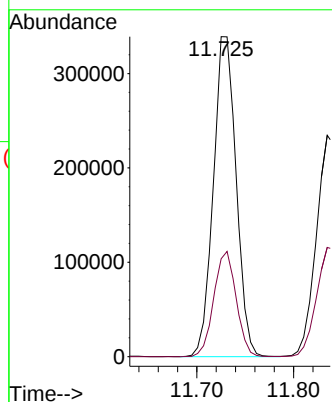
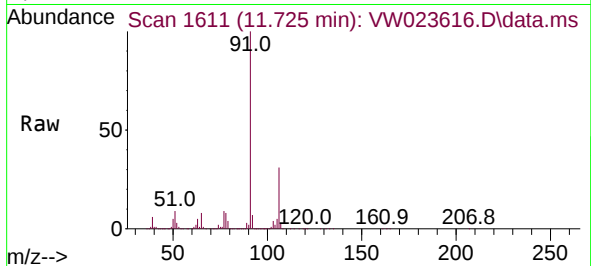




#52
Ethylbenzene
Concen: 24.649 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. -0.006 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

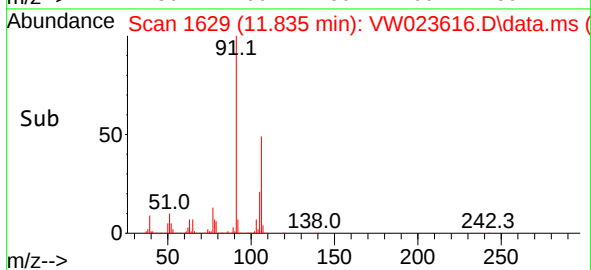
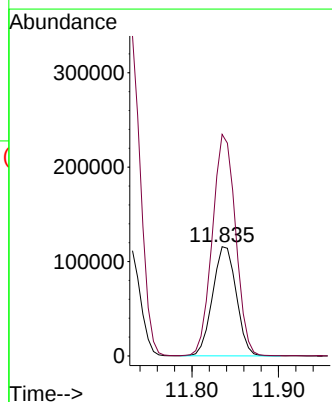
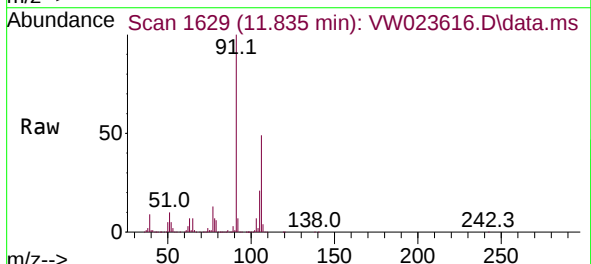
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

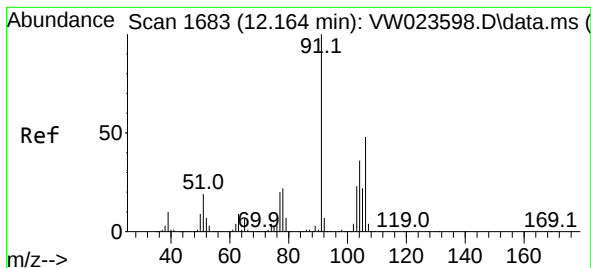
Tgt Ion: 91 Resp: 555264
Ion Ratio Lower Upper
91 100
106 30.6 21.4 39.8



#53
m,p-Xylene
Concen: 25.176 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

Tgt Ion:106 Resp: 220019
Ion Ratio Lower Upper
106 100
91 202.8 140.8 261.6





#54

o-Xylene

Concen: 25.241 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW023616.D

Acq: 12 Jul 2022 19:31

Instrument :

MSVOA_W

ClientSampleId :

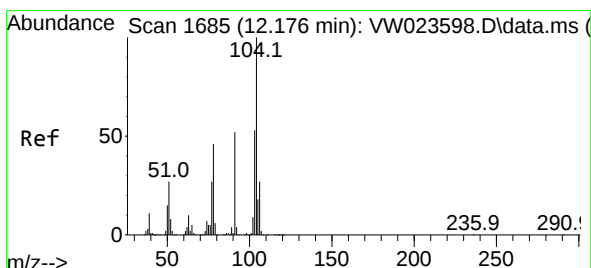
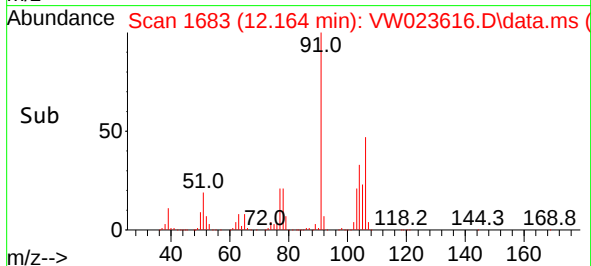
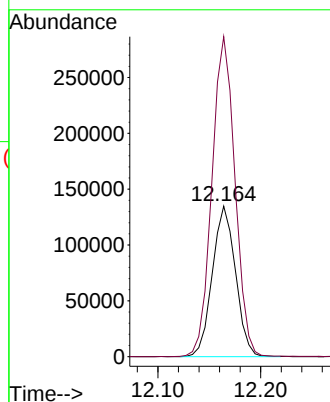
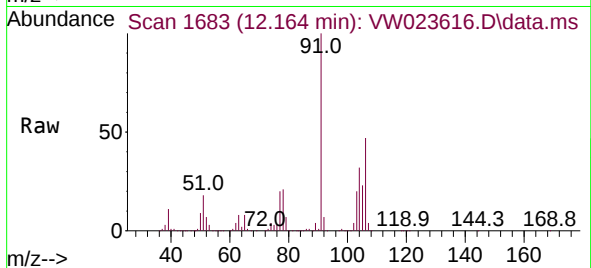
VSTD025597

Tgt Ion:106 Resp: 211241

Ion Ratio Lower Upper

106 100

91 212.6 149.3 277.3



#55

Styrene

Concen: 25.940 ug/L

RT: 12.182 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VW023616.D

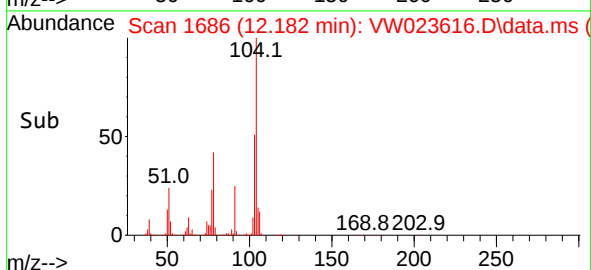
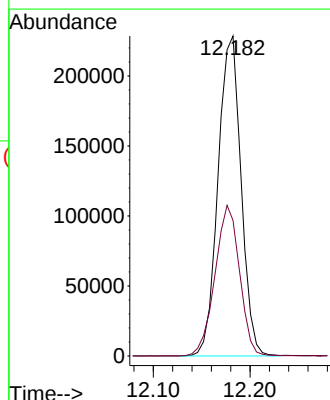
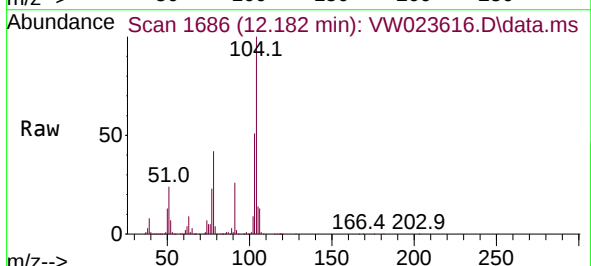
Acq: 12 Jul 2022 19:31

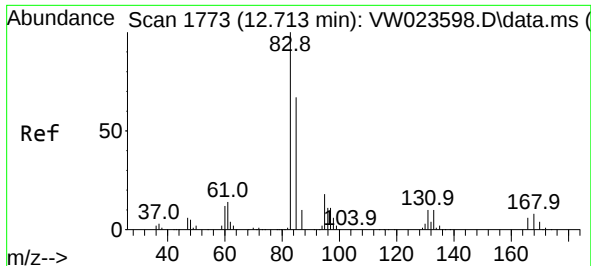
Tgt Ion:104 Resp: 377510

Ion Ratio Lower Upper

104 100

78 42.4 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 26.720 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW023616.D

Acq: 12 Jul 2022 19:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD025597

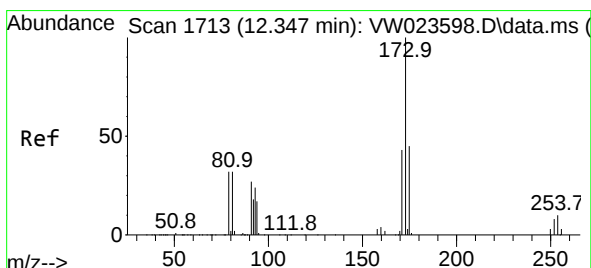
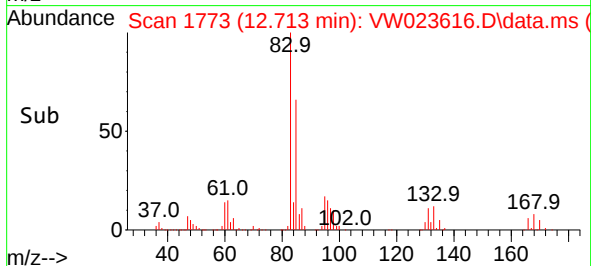
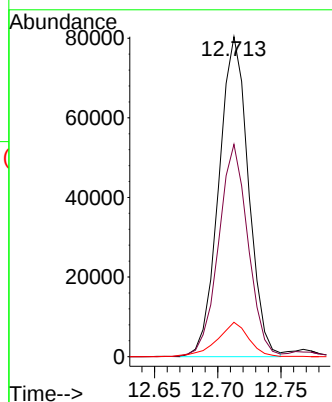
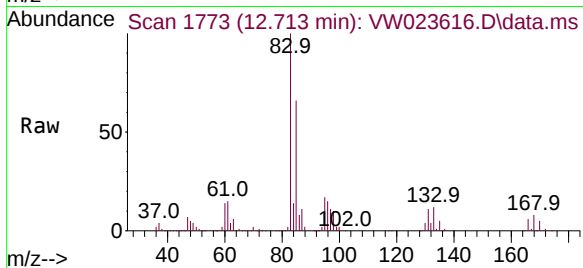
Tgt Ion: 83 Resp: 130832

Ion Ratio Lower Upper

83 100

85 66.4 44.0 81.6

131 10.7 8.5 12.7



#59

Bromoform

Concen: 25.566 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. -0.000 min

Lab File: VW023616.D

Acq: 12 Jul 2022 19:31

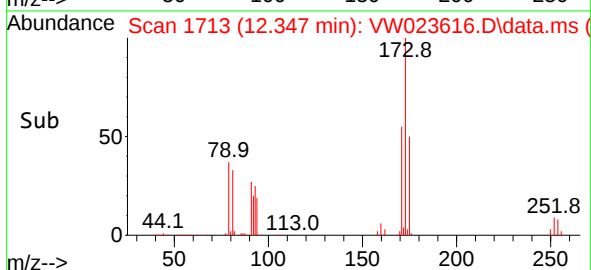
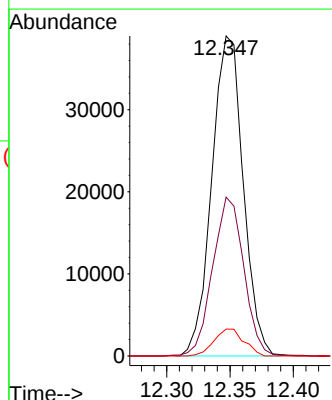
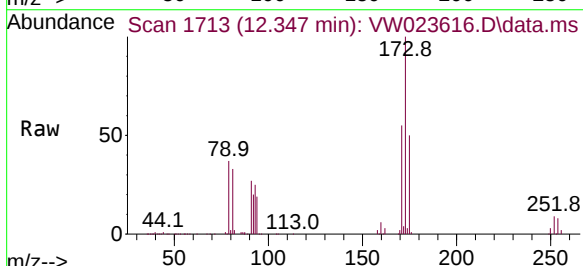
Tgt Ion: 173 Resp: 67368

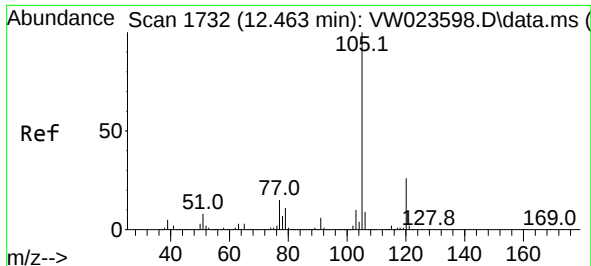
Ion Ratio Lower Upper

173 100

175 49.1 37.9 56.9

254 8.0 7.0 10.4

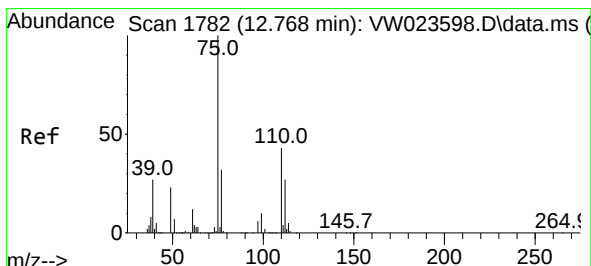
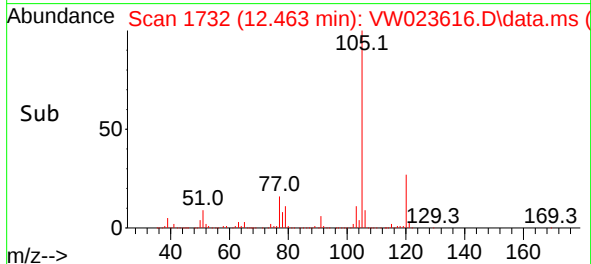
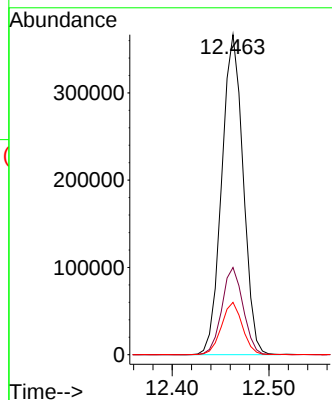
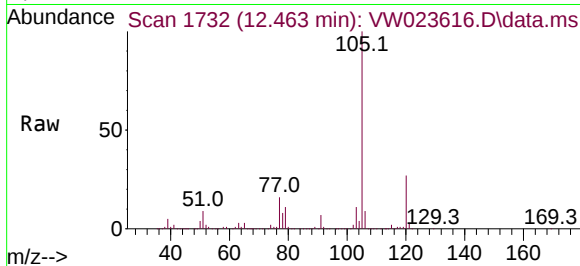




#60
Isopropylbenzene
Concen: 24.716 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

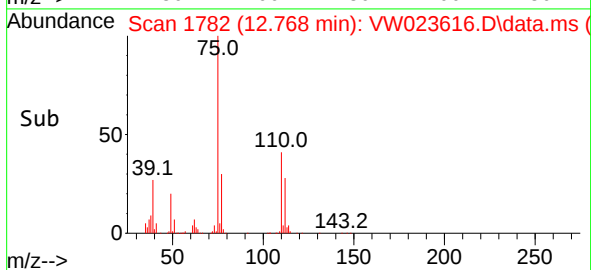
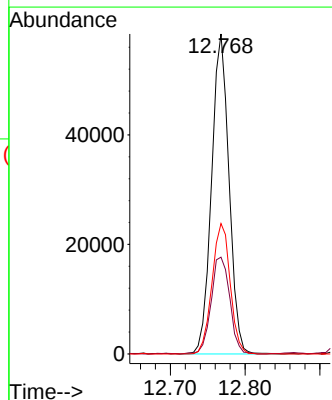
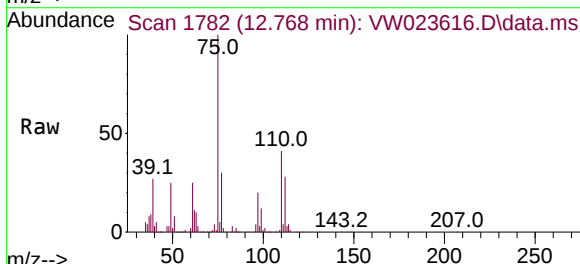
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

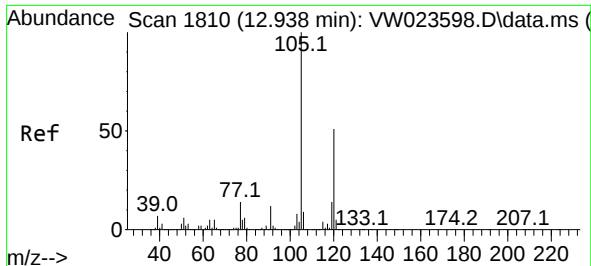
Tgt Ion:105 Resp: 562672
Ion Ratio Lower Upper
105 100
120 27.1 21.3 31.9
77 16.0 12.4 18.6



#61
1,2,3-Trichloropropane
Concen: 26.391 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

Tgt Ion: 75 Resp: 94508
Ion Ratio Lower Upper
75 100
77 32.5 25.8 38.6
110 42.3 34.3 51.5





#62

1,3,5-Trimethylbenzene

Concen: 25.248 ug/L

RT: 12.944 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VW023616.D

Acq: 12 Jul 2022 19:31

Instrument :

MSVOA_W

ClientSampleId :

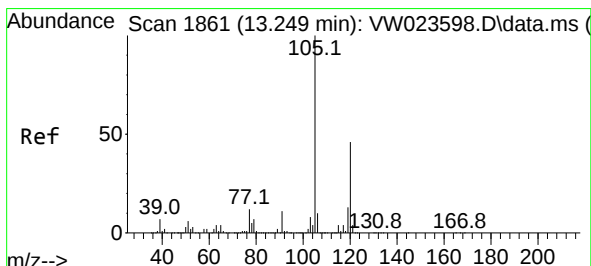
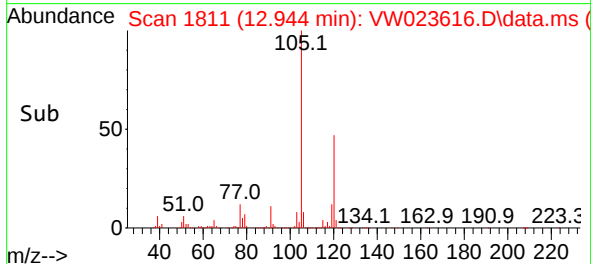
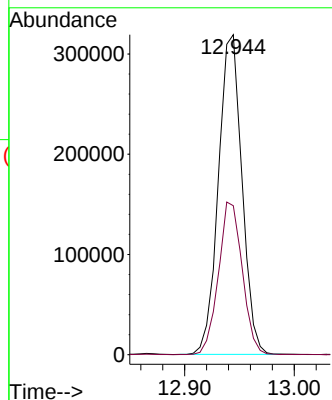
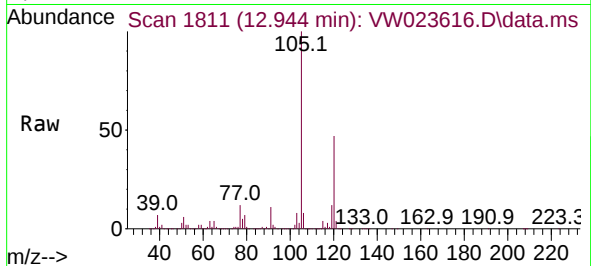
VSTD025597

Tgt Ion:105 Resp: 476656

Ion Ratio Lower Upper

105 100

120 48.2 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 24.838 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW023616.D

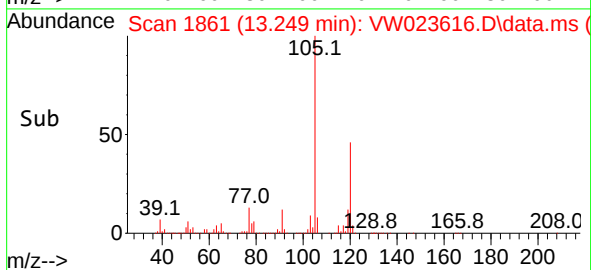
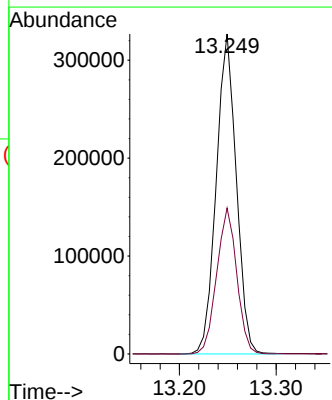
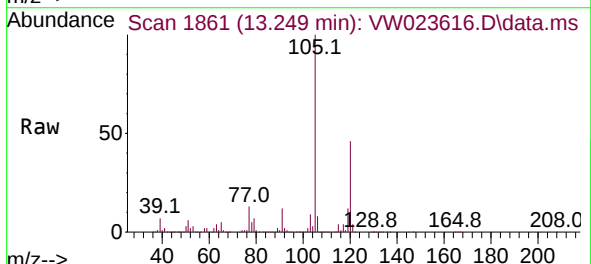
Acq: 12 Jul 2022 19:31

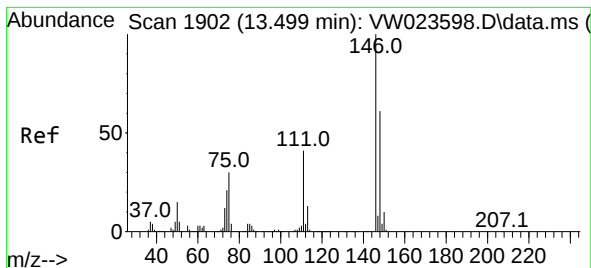
Tgt Ion:105 Resp: 469075

Ion Ratio Lower Upper

105 100

120 45.6 36.9 55.3





#64

1,3-Dichlorobenzene

Concen: 24.176 ug/L

RT: 13.499 min Scan# 1902

Delta R.T. -0.000 min

Lab File: VW023616.D

Acq: 12 Jul 2022 19:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD025597

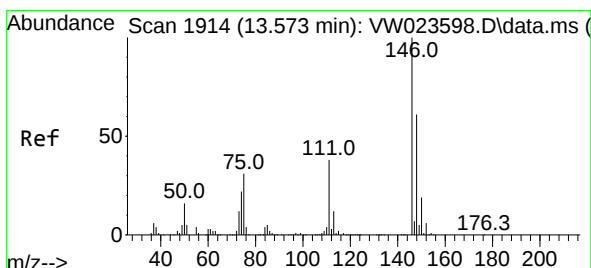
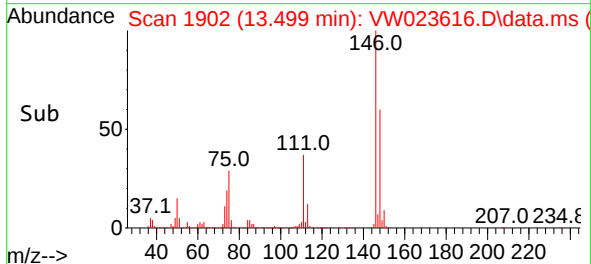
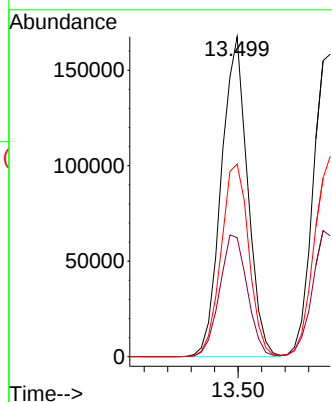
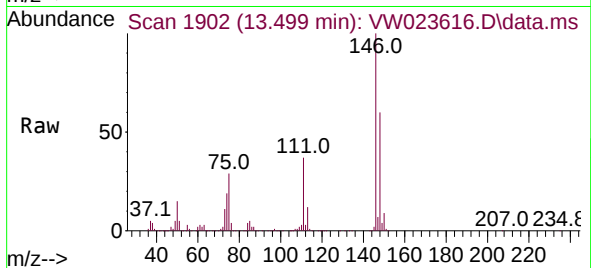
Tgt Ion:146 Resp: 260347

Ion Ratio Lower Upper

146 100

111 37.2 26.7 49.7

148 60.1 43.3 80.5



#65

1,4-Dichlorobenzene

Concen: 24.016 ug/L

RT: 13.578 min Scan# 1915

Delta R.T. 0.006 min

Lab File: VW023616.D

Acq: 12 Jul 2022 19:31

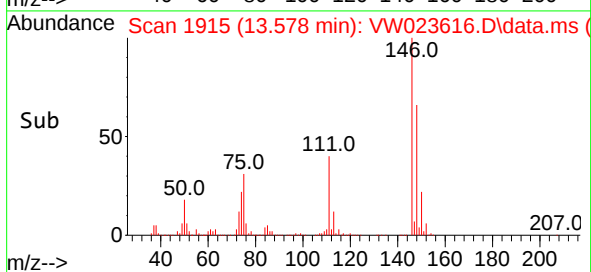
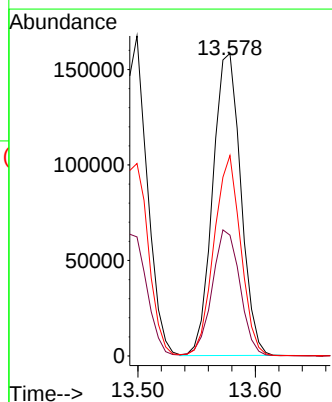
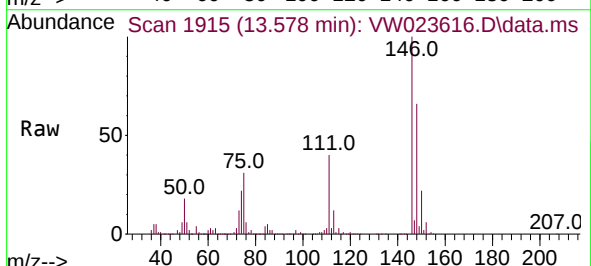
Tgt Ion:146 Resp: 262305

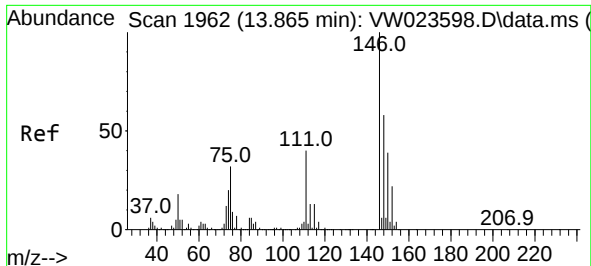
Ion Ratio Lower Upper

146 100

111 39.9 28.2 52.4

148 66.2 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 24.315 ug/L

RT: 13.871 min Scan# 1962

Delta R.T. 0.006 min

Lab File: VW023616.D

Acq: 12 Jul 2022 19:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD025597

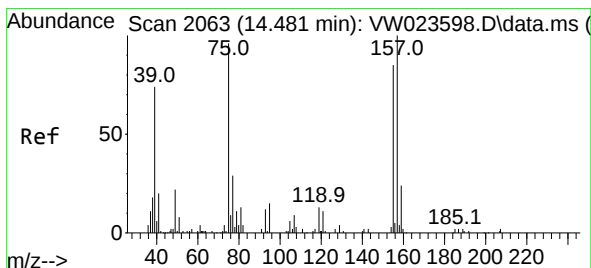
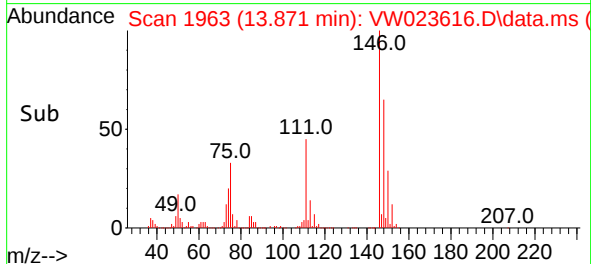
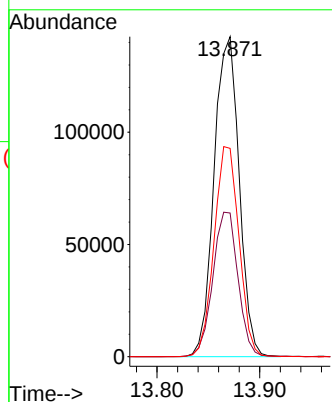
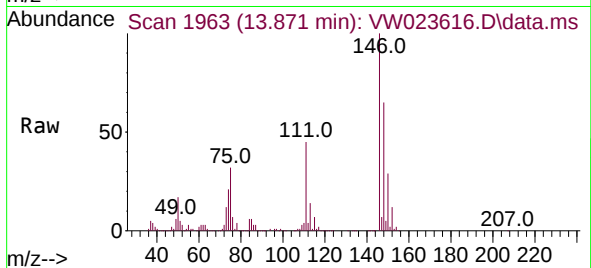
Tgt Ion:146 Resp: 241463

Ion Ratio Lower Upper

146 100

111 44.9 30.6 45.8

148 65.1 49.9 74.9



#68

1,2-Dibromo-3-chloropropane

Concen: 25.119 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW023616.D

Acq: 12 Jul 2022 19:31

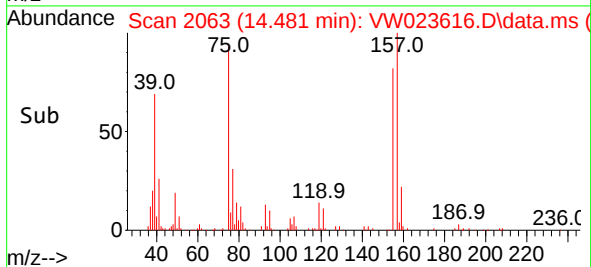
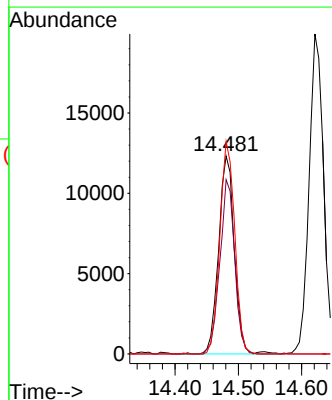
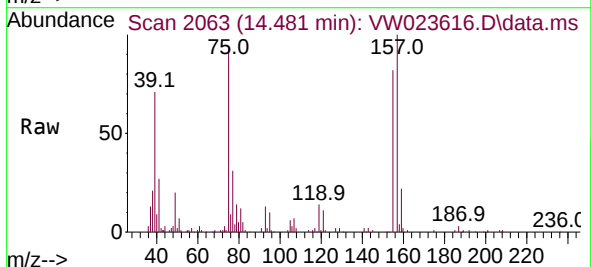
Tgt Ion: 75 Resp: 21198

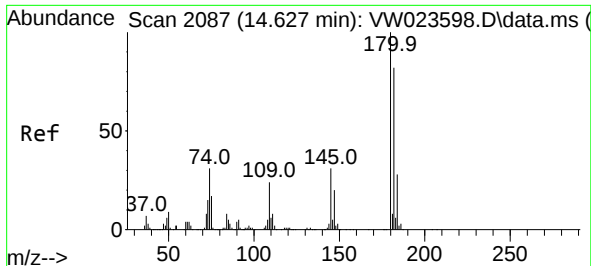
Ion Ratio Lower Upper

75 100

155 88.1 63.8 95.6

157 107.4 85.0 127.4

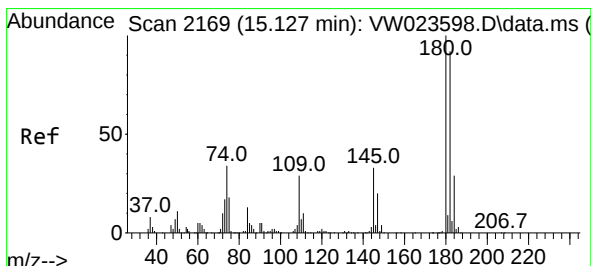
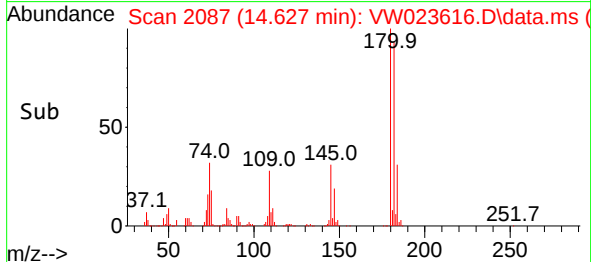
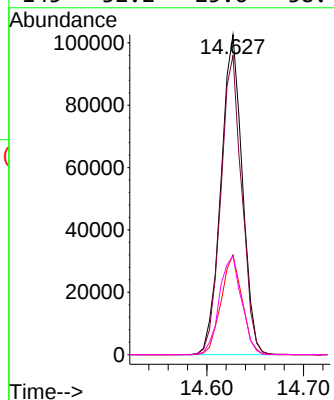
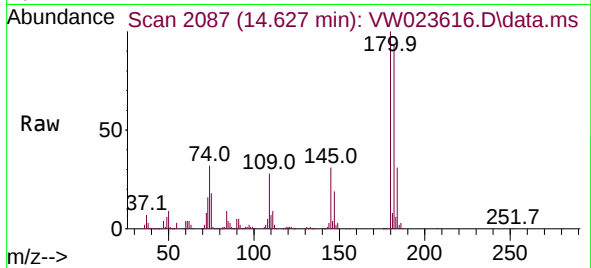




#69
1,3,5-Trichlorobenzene
Concen: 22.430 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. -0.000 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

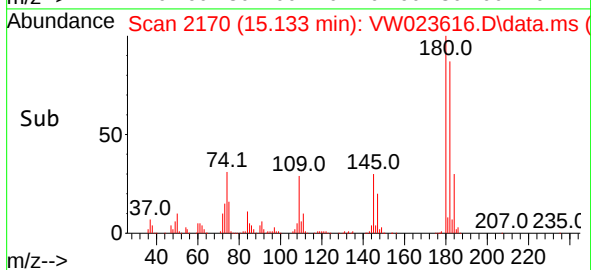
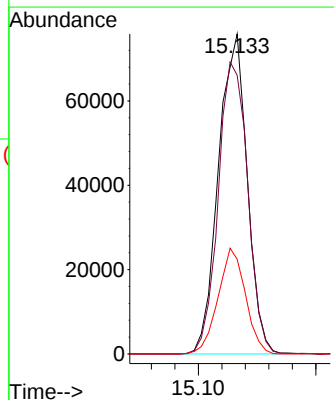
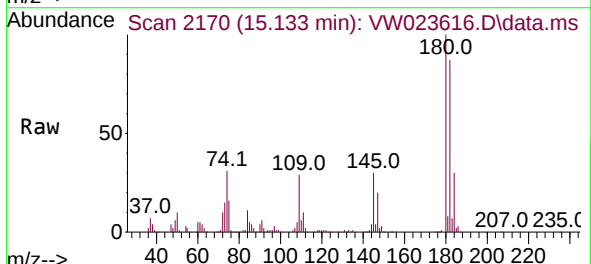
Instrument :
MSVOA_W
ClientSampleId :
VSTD025597

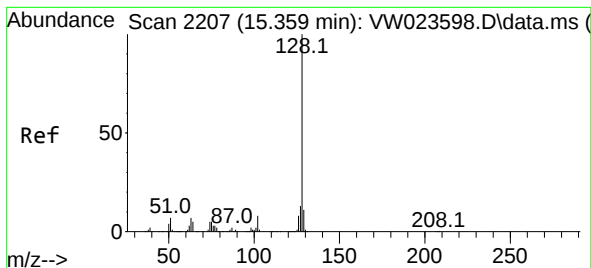
Tgt Ion:	180	Resp:	156725
Ion Ratio	Lower	Upper	
180	100		
182	92.1	75.5	113.3
184	30.7	24.6	36.8
145	32.2	25.6	38.4



#70
1,2,4-trichlorobenzene
Concen: 22.852 ug/L
RT: 15.133 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VW023616.D
Acq: 12 Jul 2022 19:31

Tgt Ion:	180	Resp:	129016
Ion Ratio	Lower	Upper	
180	100		
182	93.3	77.0	115.4
145	31.5	26.1	39.1





#71

Naphthalene

Concen: 25.816 ug/L

RT: 15.365 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW023616.D

Acq: 12 Jul 2022 19:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD025597

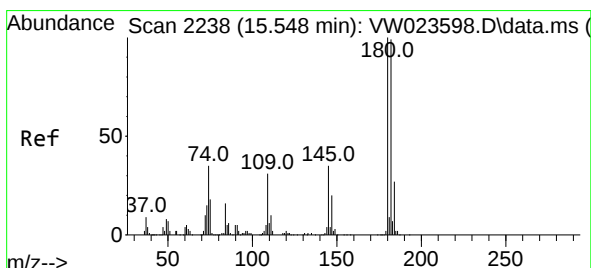
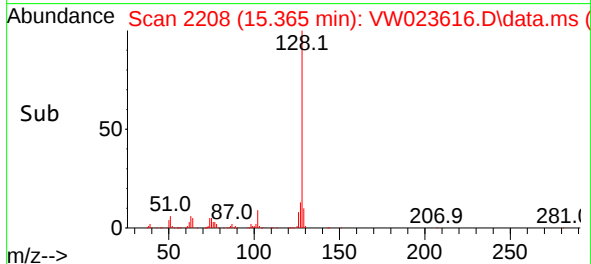
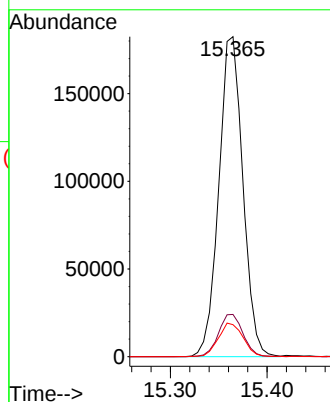
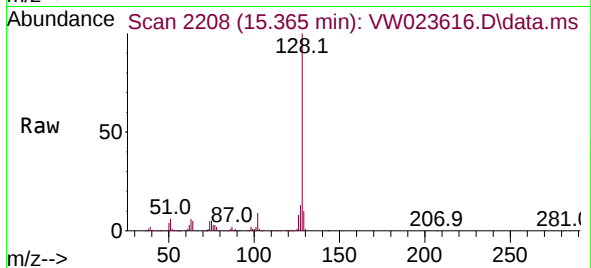
Tgt Ion:128 Resp: 314619

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 24.008 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.006 min

Lab File: VW023616.D

Acq: 12 Jul 2022 19:31

Tgt Ion:180 Resp: 125642

Ion Ratio Lower Upper

180 100

182 93.9 75.6 113.4

145 33.7 28.2 42.2

