

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051722\
 Data File : VW023109.D
 Acq On : 17 May 2022 19:02
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025536

Quant Time: May 18 01:31:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 18 01:26:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	329336	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	331358	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	185231	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	160316	23.727	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.920%
7) Chloroethane-d5	2.885	69	113400	25.797	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.200%
11) 1,1-Dichloroethene-d2	4.019	63	189442	21.699	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.800%
21) 2-Butanone-d5	7.080	46	74997	58.378	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.760%
24) Chloroform-d	7.647	84	261178	27.069	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.280%
26) 1,2-Dichloroethane-d4	8.305	65	141693	26.775	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.120%
32) Benzene-d6	8.275	84	498453	26.098	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.400%
36) 1,2-Dichloropropane-d6	9.274	67	144984	27.024	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.080%
41) Toluene-d8	10.323	98	489903	26.553	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.200%
43) trans-1,3-Dichloroprop...	10.579	79	66584	26.954	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.800%
47) 2-Hexanone-d5	10.920	63	62853	61.369	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.740%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	143684	28.733	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.920%
66) 1,2-Dichlorobenzene-d4	13.853	152	186737	28.839	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	115.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.001	85	45111	25.127	ug/L	97
3) Chloromethane	2.215	50	83978	24.206	ug/L	100
5) Vinyl chloride	2.361	62	136312	19.578	ug/L	97
6) Bromomethane	2.776	94	82367	18.425	ug/L	93
8) Chloroethane	2.922	64	73425	21.865	ug/L	100
9) Trichlorofluoromethane	3.251	101	57205	17.976	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.056	101	104697	22.003	ug/L	97
12) 1,1-Dichloroethene	4.044	96	85046	20.162	ug/L	94
13) Acetone	4.123	43	35892	37.316	ug/L	95
14) Carbon disulfide	4.385	76	174721	15.109	ug/L	100
15) Methyl Acetate	4.678	43	45495	23.544	ug/L	97
16) Methylene chloride	4.922	84	110901	23.013	ug/L	99
17) trans-1,2-Dichloroethene	5.421	96	98364	20.722	ug/L	93
18) Methyl tert-butyl Ether	5.428	73	194809	26.884	ug/L	99
19) 1,1-Dichloroethane	6.220	63	183474	22.806	ug/L	99
20) cis-1,2-Dichloroethene	7.171	96	119544	23.447	ug/L #	96
22) 2-Butanone	7.171	43	61725	45.888	ug/L	92
23) Bromochloromethane	7.519	128	57701	24.166	ug/L	83
25) Chloroform	7.677	83	214285	24.088	ug/L	97

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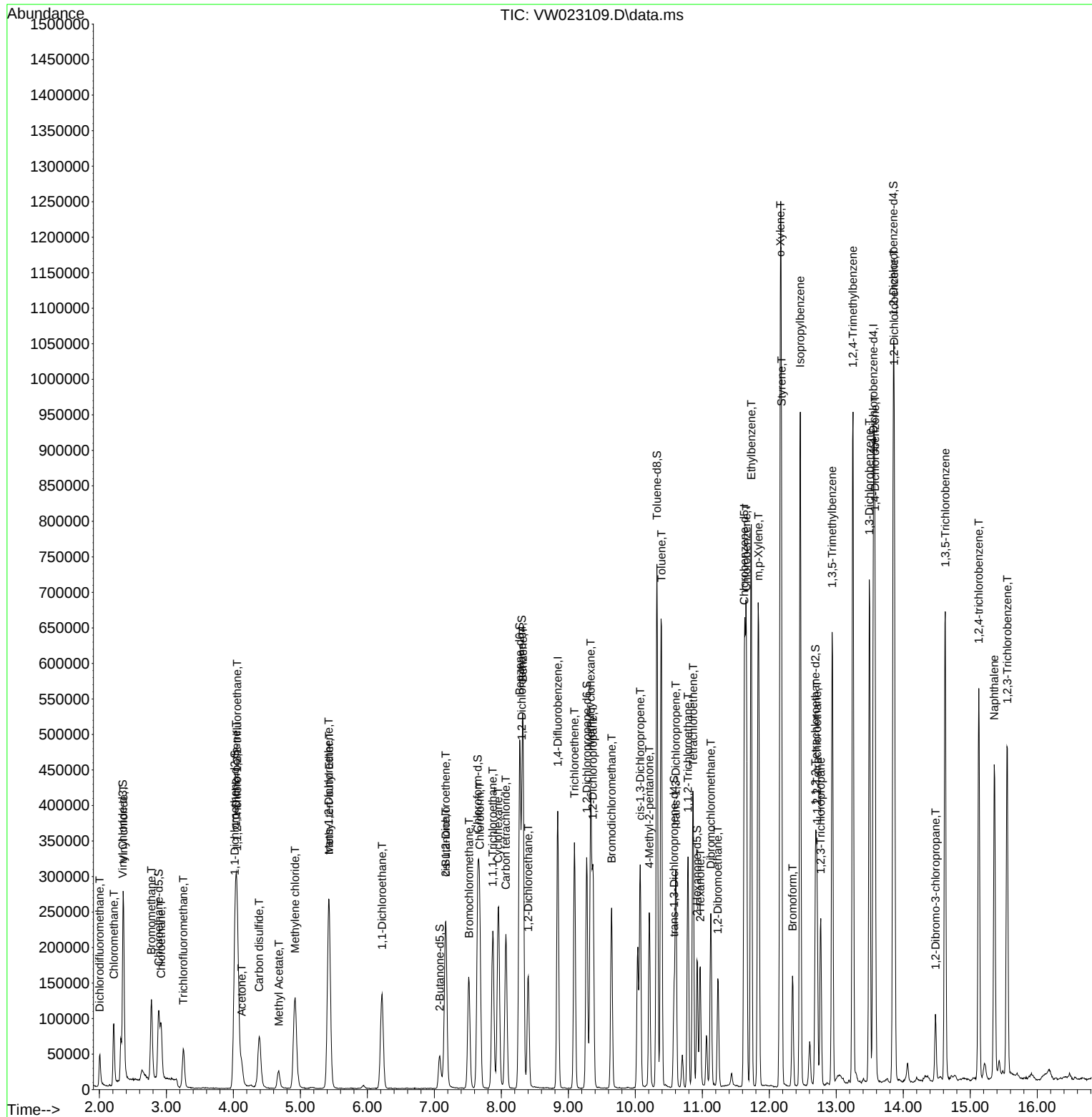
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	140627	23.715	ug/L	100
29) Cyclohexane	7.952	56	137168	19.141	ug/L	97
30) 1,1,1-Trichloroethane	7.872	97	175806	22.451	ug/L	100
31) Carbon tetrachloride	8.067	117	158463	21.633	ug/L	100
33) Benzene	8.323	78	428133	21.933	ug/L	100
34) Trichloroethene	9.092	95	114007	21.237	ug/L	95
35) Methylcyclohexane	9.335	83	176499	20.013	ug/L	99
37) 1,2-Dichloropropane	9.366	63	107525	22.762	ug/L	99
38) Bromodichloromethane	9.646	83	160811	23.967	ug/L	97
39) cis-1,3-Dichloropropene	10.073	75	181406	24.766	ug/L	100
40) 4-Methyl-2-pentanone	10.207	43	149435	50.189	ug/L	97
42) Toluene	10.390	91	497099	22.723	ug/L	95
44) trans-1,3-Dichloropropene	10.603	75	160978	24.623	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	99155	25.109	ug/L	97
46) Tetrachloroethene	10.866	164	86679	21.485	ug/L	90
48) 2-Hexanone	10.969	43	107010	53.790	ug/L	97
49) Dibromochloromethane	11.128	129	122241	25.720	ug/L	100
50) 1,2-Dibromoethane	11.231	107	97951	24.702	ug/L #	100
51) Chlorobenzene	11.658	112	342239	23.730	ug/L	99
52) Ethylbenzene	11.731	91	568840	23.373	ug/L	100
53) m,p-Xylene	11.841	106	229073	23.887	ug/L	100
54) o-Xylene	12.164	106	225063	24.457	ug/L	99
55) Styrene	12.182	104	385356	24.644	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.713	83	128824	26.118	ug/L	96
59) Bromoform	12.347	173	63718	24.273	ug/L	95
60) Isopropylbenzene	12.463	105	606601	23.905	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	91741	24.788	ug/L	98
62) 1,3,5-Trimethylbenzene	12.938	105	346270	24.528	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	526992	24.861	ug/L	100
64) 1,3-Dichlorobenzene	13.493	146	294034	25.953	ug/L	94
65) 1,4-Dichlorobenzene	13.579	146	276012	23.586	ug/L	95
67) 1,2-Dichlorobenzene	13.865	146	261718	25.244	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.481	75	20874	25.806	ug/L	95
69) 1,3,5-Trichlorobenzene	14.627	180	191400	25.451	ug/L	97
70) 1,2,4-trichlorobenzene	15.127	180	165340	27.331	ug/L	99
71) Naphthalene	15.359	128	379111	28.833	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	149336	27.852	ug/L	98

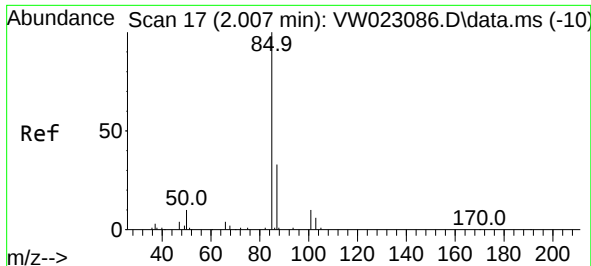
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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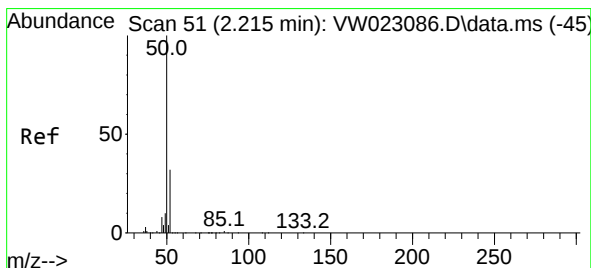
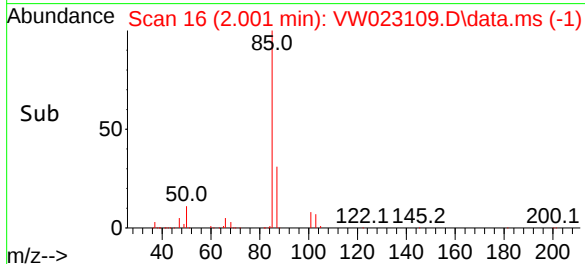
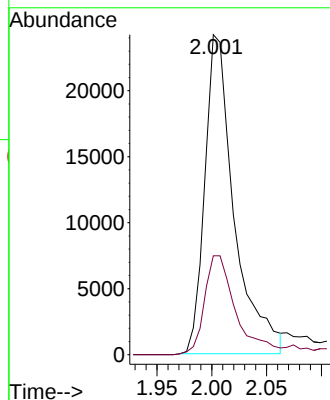
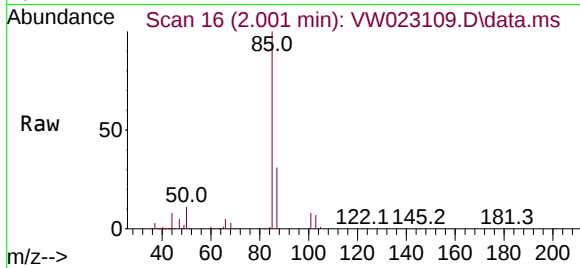




#2
Dichlorodifluoromethane
Concen: 25.127 ug/L
RT: 2.001 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

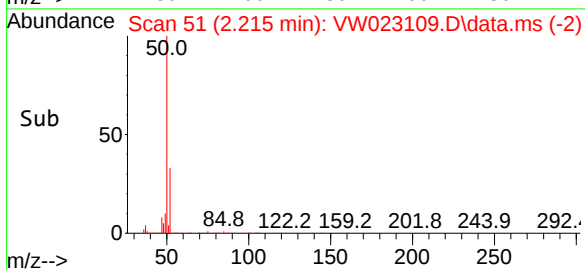
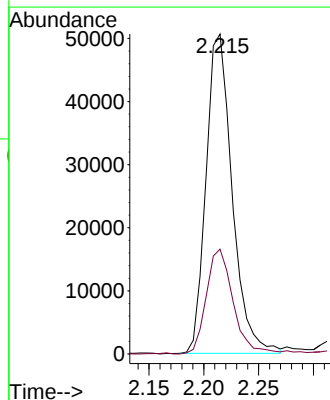
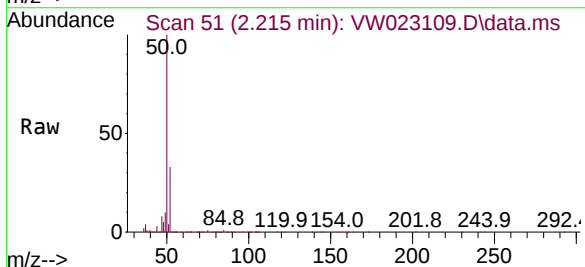
Instrument :
MSVOA_W
ClientSampleId :
VSTD025536

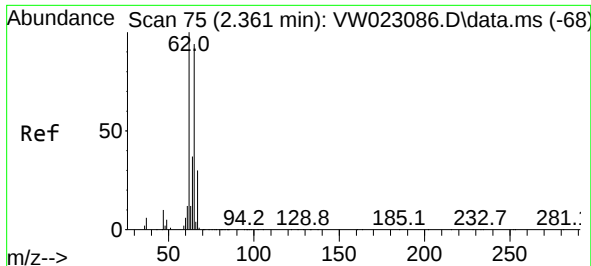
Tgt Ion: 85 Resp: 45111
Ion Ratio Lower Upper
85 100
87 33.1 27.8 41.8



#3
Chloromethane
Concen: 24.206 ug/L
RT: 2.215 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

Tgt Ion: 50 Resp: 83978
Ion Ratio Lower Upper
50 100
52 32.8 23.1 42.9

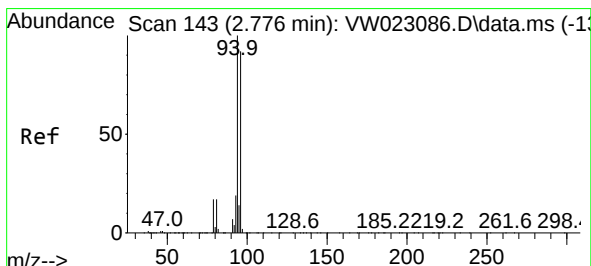
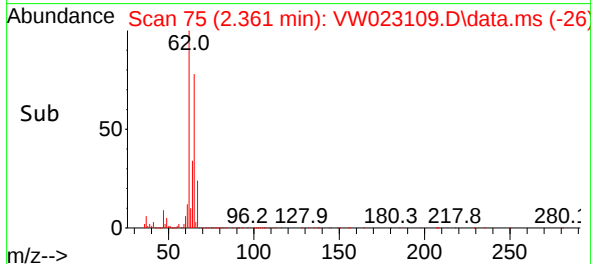
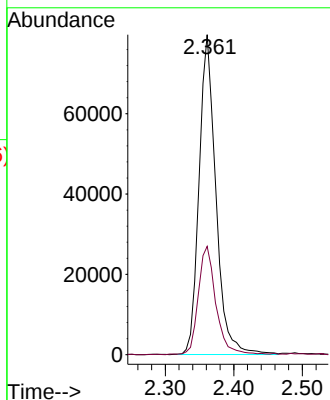
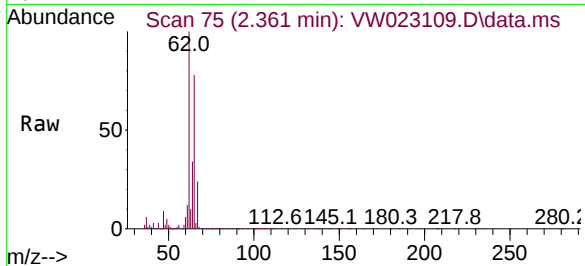




#5
 Vinyl chloride
 Concen: 19.578 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VW023109.D
 Acq: 17 May 2022 19:02

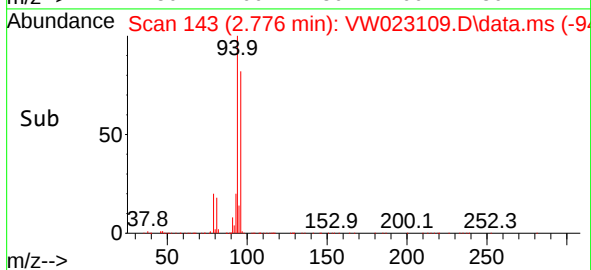
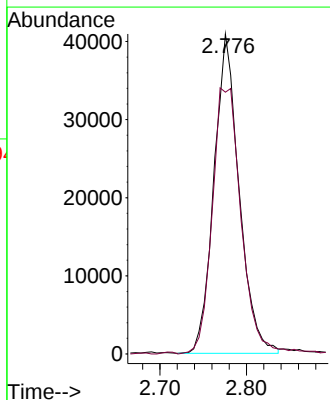
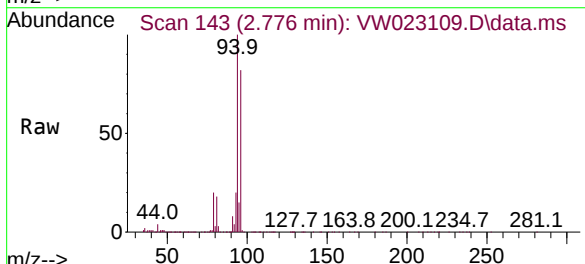
Instrument :
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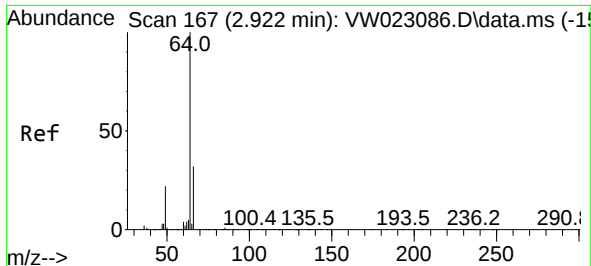
Tgt Ion: 62 Resp: 136312
 Ion Ratio Lower Upper
 62 100
 64 33.9 24.9 46.3



#6
 Bromomethane
 Concen: 18.425 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. 0.000 min
 Lab File: VW023109.D
 Acq: 17 May 2022 19:02

Tgt Ion: 94 Resp: 82367
 Ion Ratio Lower Upper
 94 100
 96 81.8 61.7 114.5

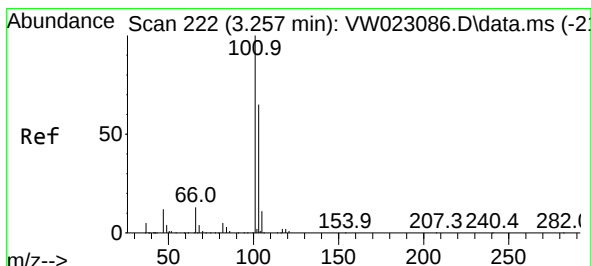
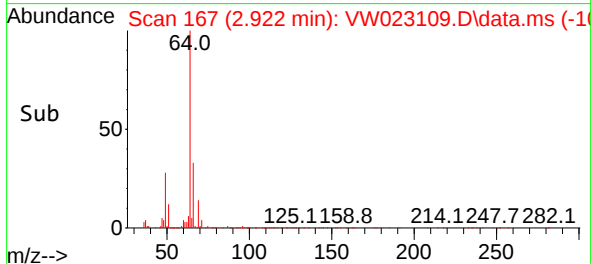
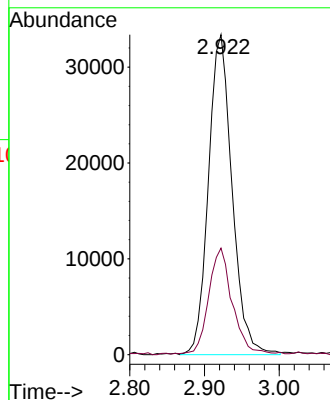
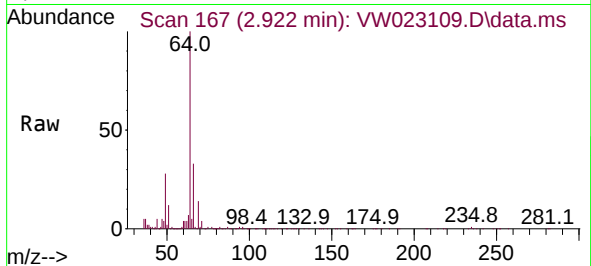




#8
Chloroethane
Concen: 21.865 ug/L
RT: 2.922 min Scan# 167
Delta R.T. 0.000 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

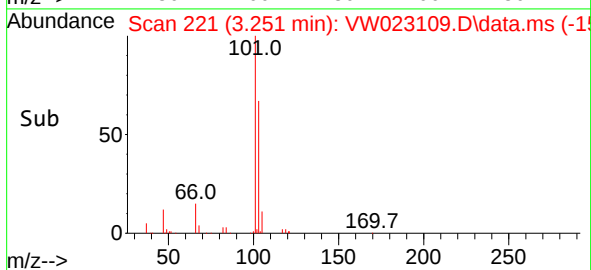
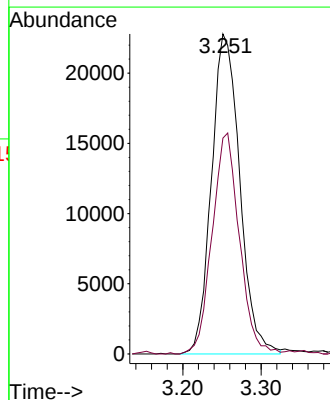
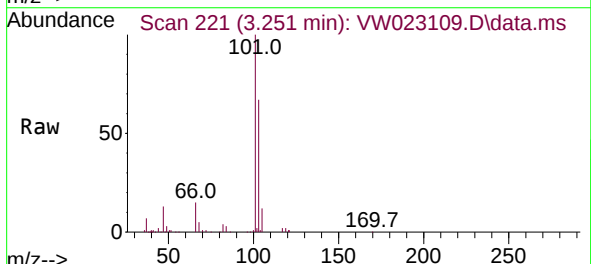
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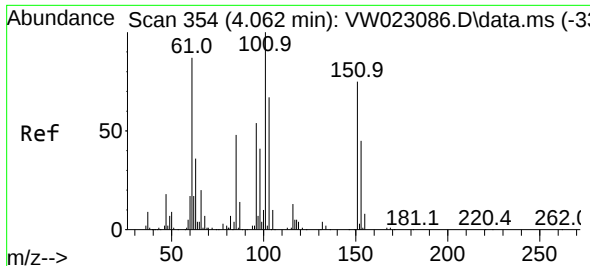
Tgt Ion: 64 Resp: 73425
Ion Ratio Lower Upper
64 100
66 33.3 23.4 43.6



#9
Trichlorofluoromethane
Concen: 17.976 ug/L
RT: 3.251 min Scan# 221
Delta R.T. -0.006 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

Tgt Ion: 101 Resp: 57205
Ion Ratio Lower Upper
101 100
103 66.4 53.9 80.9

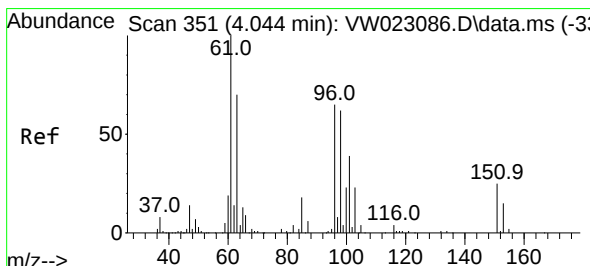
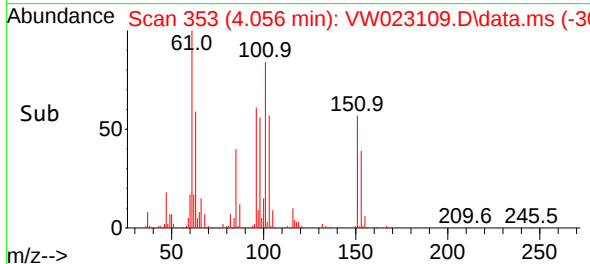
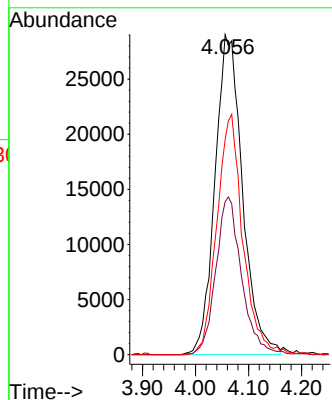
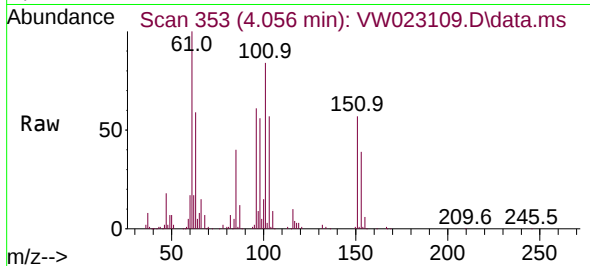




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 22.003 ug/L
 RT: 4.056 min Scan# 310
 Delta R.T. -0.006 min
 Lab File: VW023109.D
 Acq: 17 May 2022 19:02

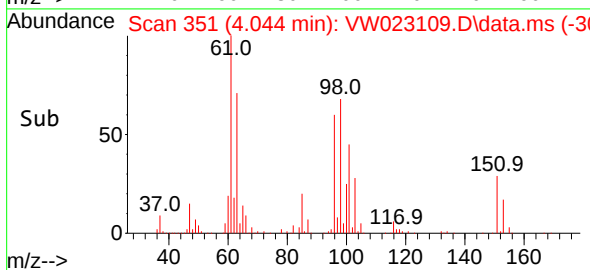
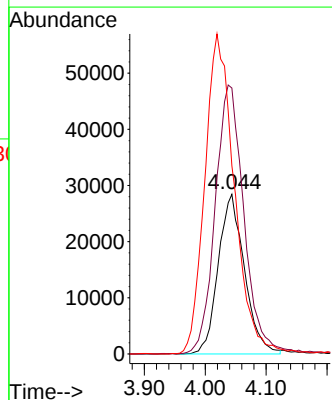
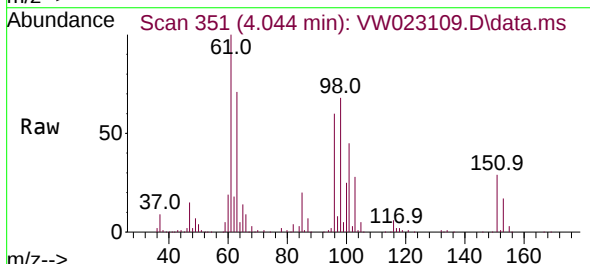
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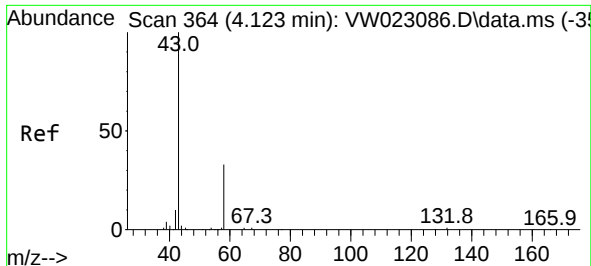
Tgt Ion:101 Resp: 104697
 Ion Ratio Lower Upper
 101 100
 85 45.3 34.3 51.5
 151 70.0 54.2 81.2



#12
 1,1-Dichloroethene
 Concen: 20.162 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. 0.000 min
 Lab File: VW023109.D
 Acq: 17 May 2022 19:02

Tgt Ion: 96 Resp: 85046
 Ion Ratio Lower Upper
 96 100
 61 166.5 125.7 233.5
 63 117.8 83.4 155.0





#13

Acetone

Concen: 37.316 ug/L

RT: 4.123 min Scan# 364

Delta R.T. 0.000 min

Lab File: VW023109.D

Acq: 17 May 2022 19:02

Instrument :

MSVOA_W

ClientSampleId :

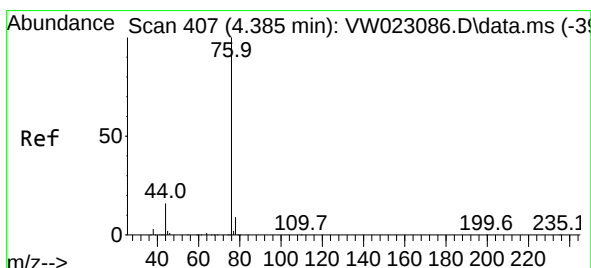
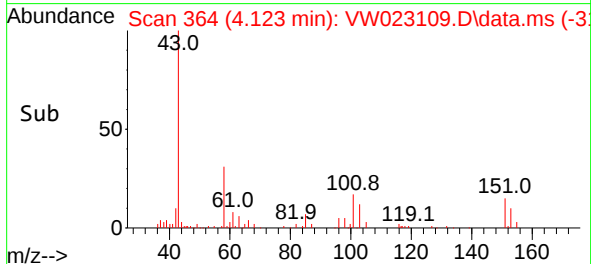
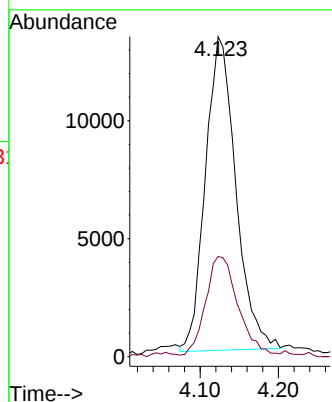
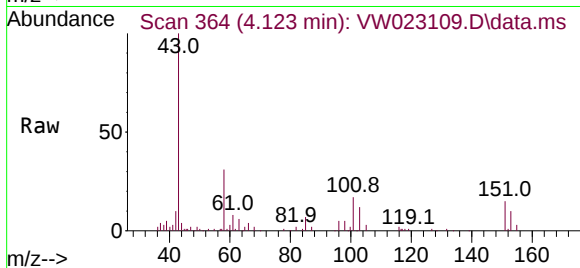
VSTD025536

Tgt Ion: 43 Resp: 35892

Ion Ratio Lower Upper

43 100

58 34.6 0.0 64.0



#14

Carbon disulfide

Concen: 15.109 ug/L

RT: 4.385 min Scan# 407

Delta R.T. 0.000 min

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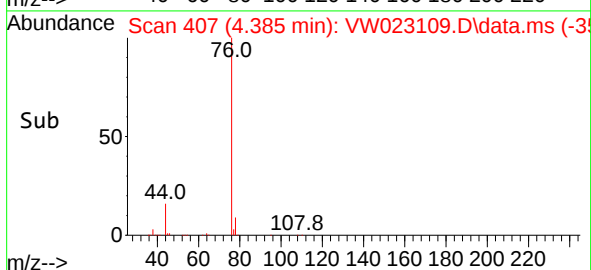
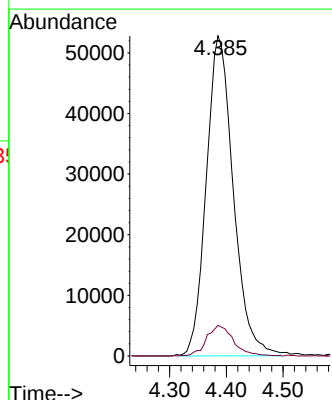
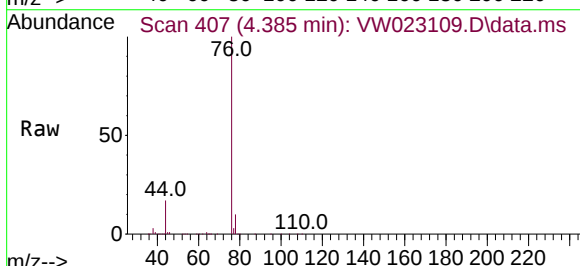
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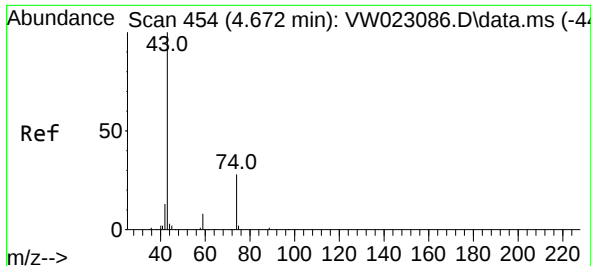
Tgt Ion: 76 Resp: 174721

Ion Ratio Lower Upper

76 100

78 9.5 7.7 11.5

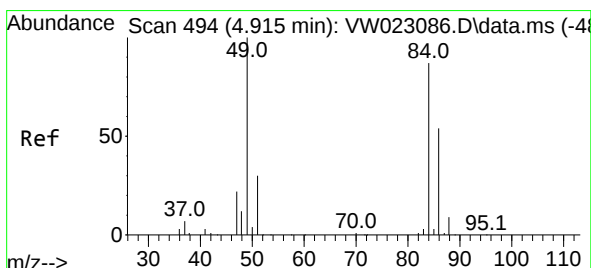
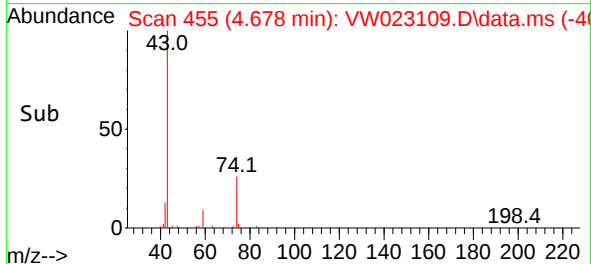
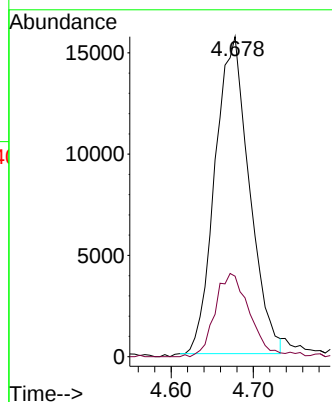
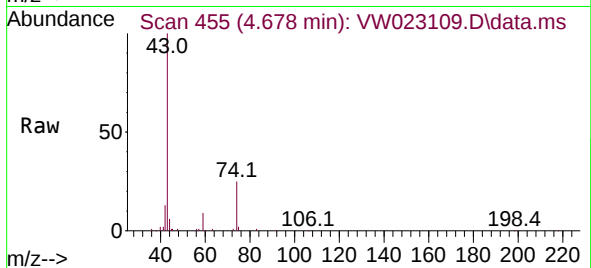




#15
Methyl Acetate
Concen: 23.544 ug/L
RT: 4.678 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

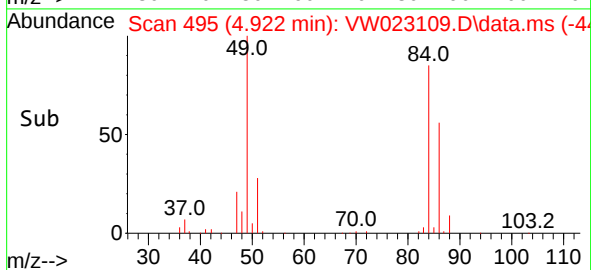
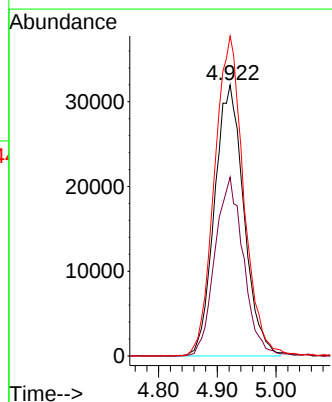
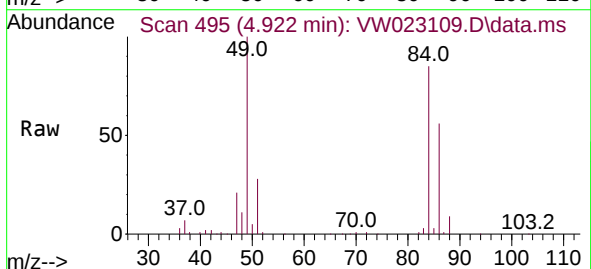
Instrument :
MSVOA_W
ClientSampleId :
VSTD025536

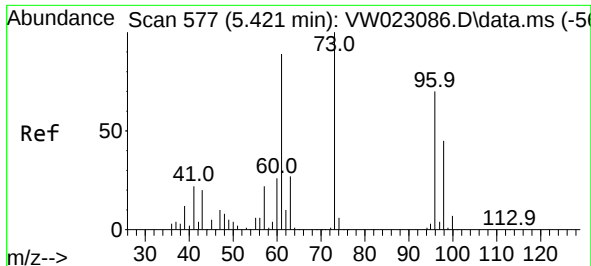
Tgt Ion: 43 Resp: 45495
Ion Ratio Lower Upper
43 100
74 26.0 21.9 32.9



#16
Methylene chloride
Concen: 23.013 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

Tgt Ion: 84 Resp: 110901
Ion Ratio Lower Upper
84 100
86 66.0 45.4 84.4
49 118.1 82.5 153.1

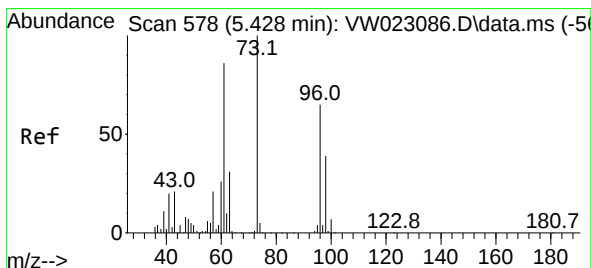
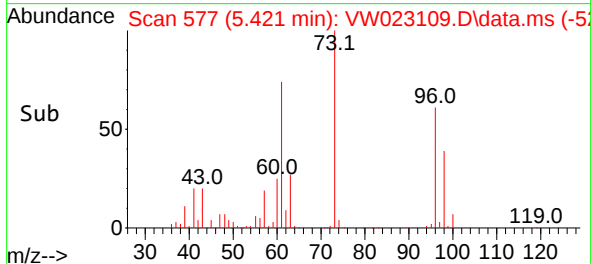
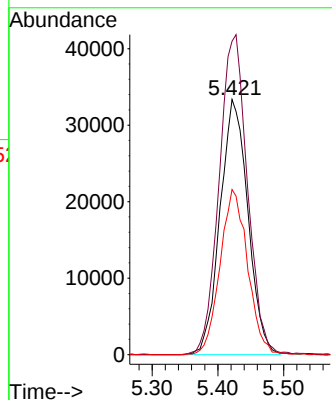
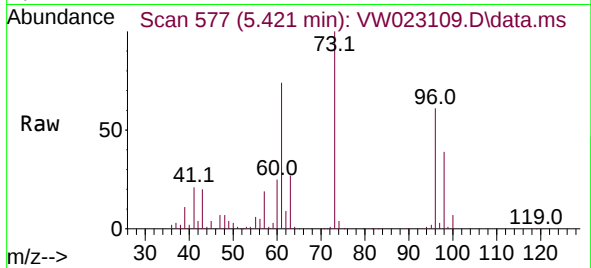




#17
trans-1,2-Dichloroethene
Concen: 20.722 ug/L
RT: 5.421 min Scan# 577
Delta R.T. 0.000 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

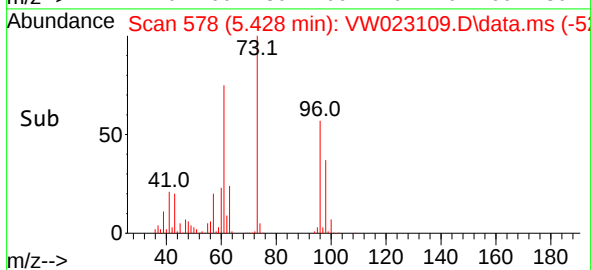
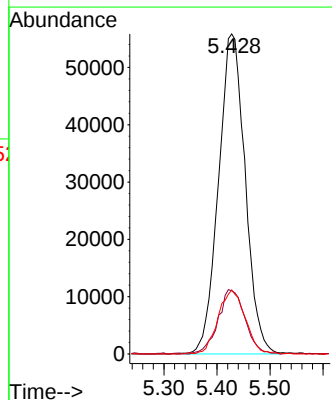
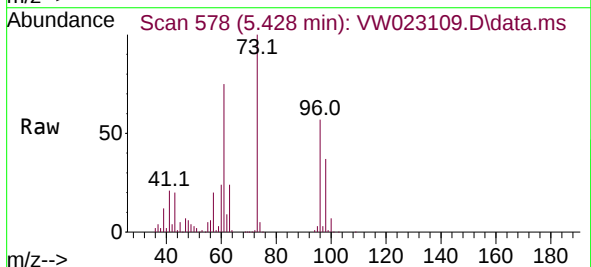
Instrument :
MSVOA_W
ClientSampleId :
VSTD025536

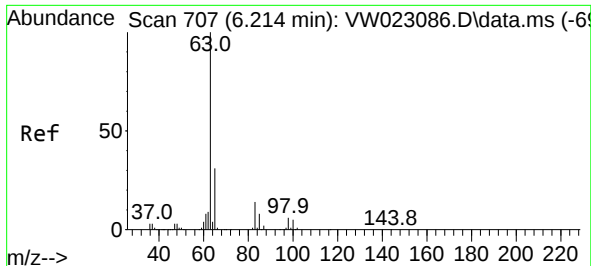
Tgt Ion: 96 Resp: 98364
Ion Ratio Lower Upper
96 100
61 122.8 92.2 171.2
98 64.7 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 26.884 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

Tgt Ion: 73 Resp: 194809
Ion Ratio Lower Upper
73 100
43 20.2 15.9 23.9
57 20.3 16.5 24.7

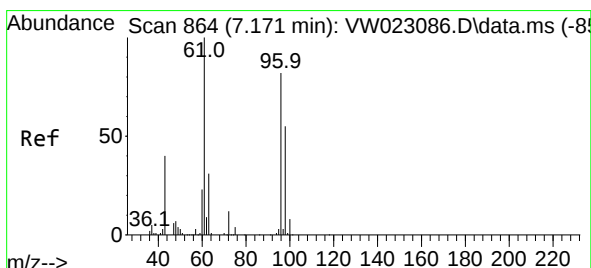
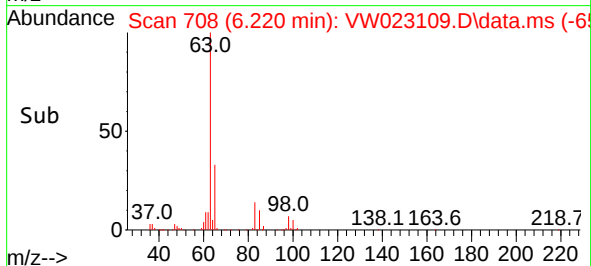
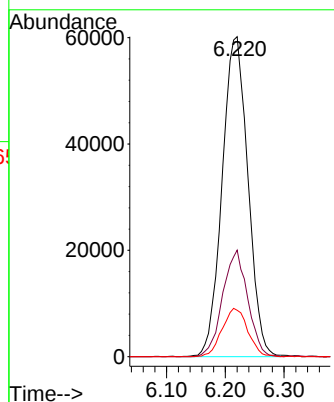
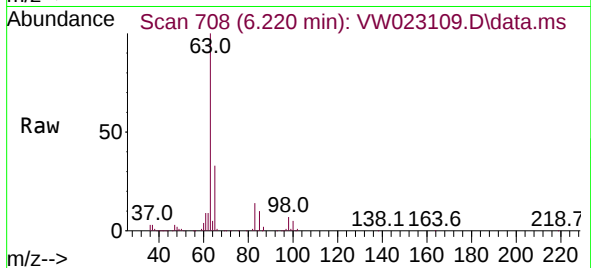




#19
 1,1-Dichloroethane
 Concen: 22.806 ug/L
 RT: 6.220 min Scan# 707
 Delta R.T. 0.006 min
 Lab File: VW023109.D
 Acq: 17 May 2022 19:02

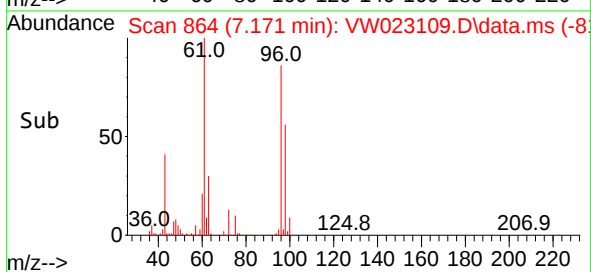
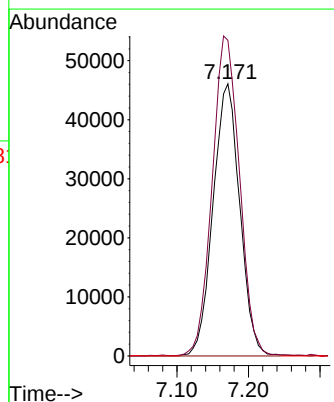
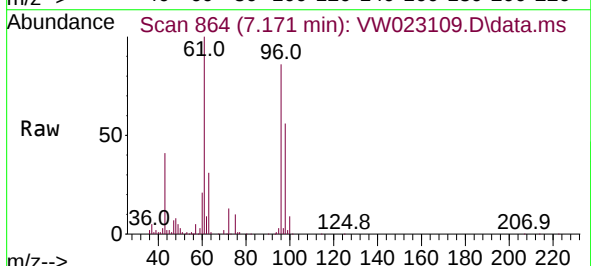
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025536

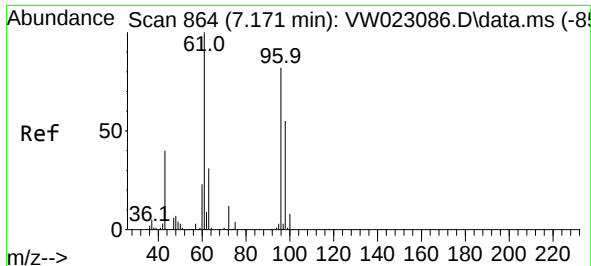
Tgt Ion: 63 Resp: 183474
 Ion Ratio Lower Upper
 63 100
 65 33.3 23.3 43.3
 83 14.5 11.1 20.5



#20
 cis-1,2-Dichloroethene
 Concen: 23.447 ug/L
 RT: 7.171 min Scan# 864
 Delta R.T. 0.000 min
 Lab File: VW023109.D
 Acq: 17 May 2022 19:02

Tgt Ion: 96 Resp: 119544
 Ion Ratio Lower Upper
 96 100
 61 116.0 84.2 156.4
 68 0.0 0.1 0.1#

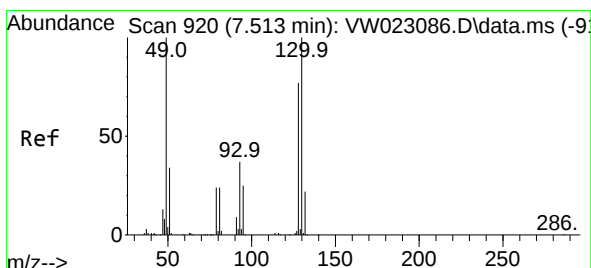
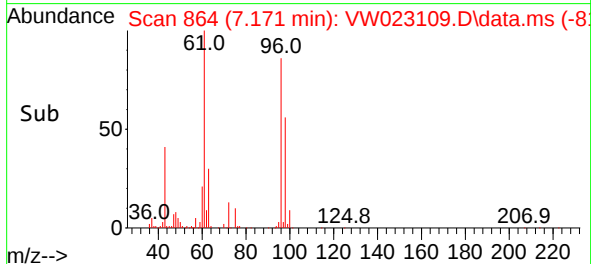
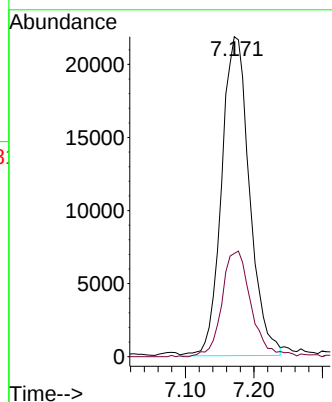
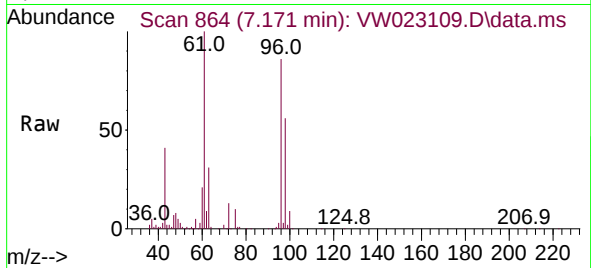




#22
2-Butanone
Concen: 45.888 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

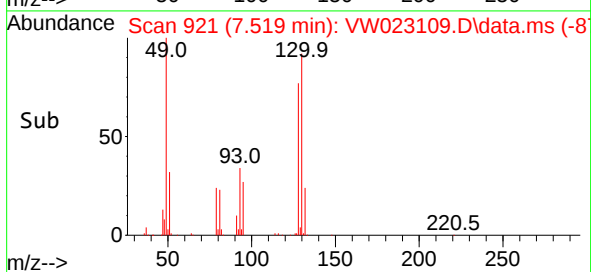
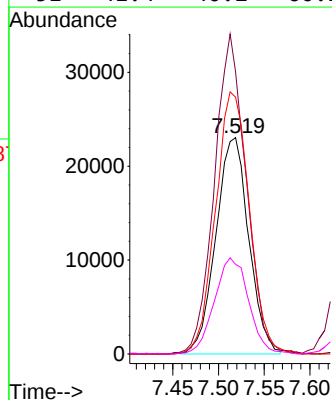
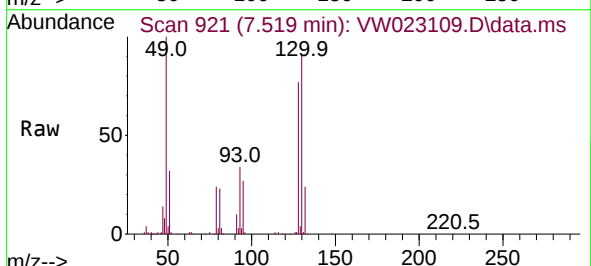
Instrument :
MSVOA_W
ClientSampleId :
VSTD025536

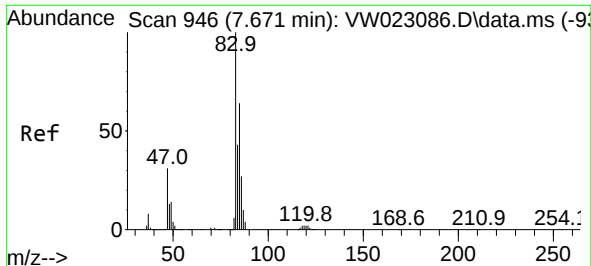
Tgt Ion: 43 Resp: 61725
Ion Ratio Lower Upper
43 100
72 34.4 15.1 45.3



#23
Bromochloromethane
Concen: 24.166 ug/L
RT: 7.519 min Scan# 921
Delta R.T. 0.006 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

Tgt Ion: 128 Resp: 57701
Ion Ratio Lower Upper
128 100
49 130.5 110.0 204.4
130 118.7 94.8 176.0
51 41.4 40.2 60.2





#25

Chloroform

Concen: 24.088 ug/L

RT: 7.677 min Scan# 946

Delta R.T. 0.006 min

Lab File: VW023109.D

Acq: 17 May 2022 19:02

Instrument :

MSVOA_W

ClientSampleId :

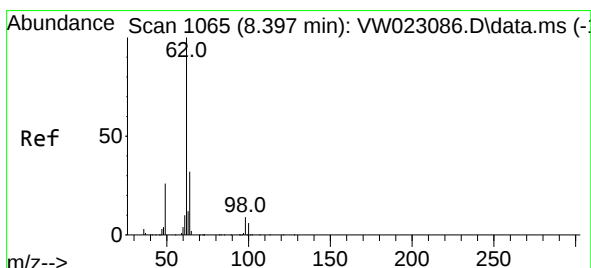
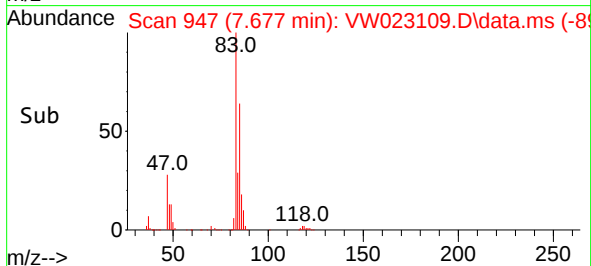
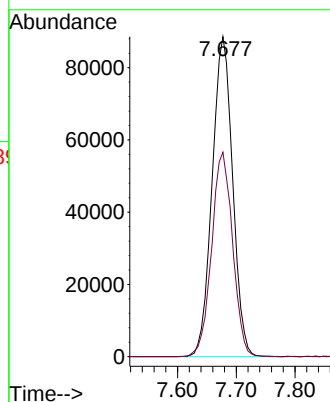
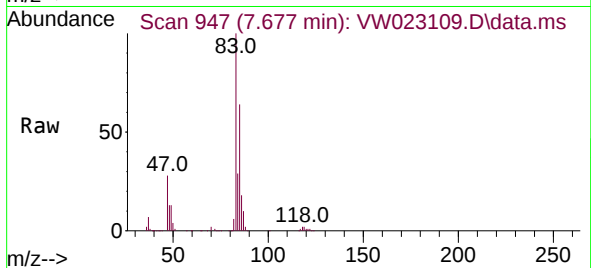
VSTD025536

Tgt Ion: 83 Resp: 214285

Ion Ratio Lower Upper

83 100

85 63.9 46.6 86.6



#27

1,2-Dichloroethane

Concen: 23.715 ug/L

RT: 8.403 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VW023109.D

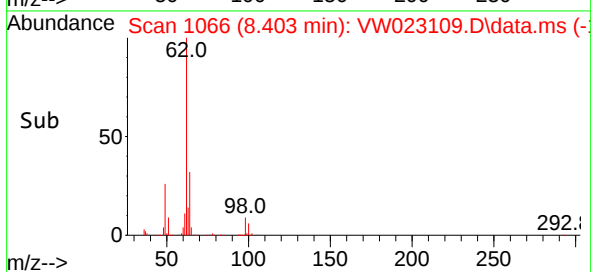
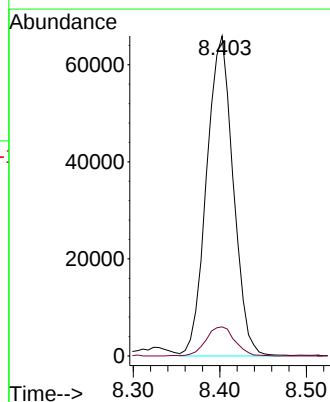
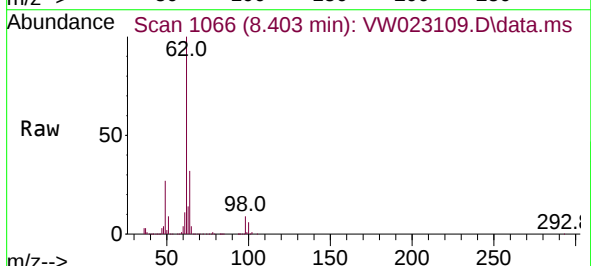
Acq: 17 May 2022 19:02

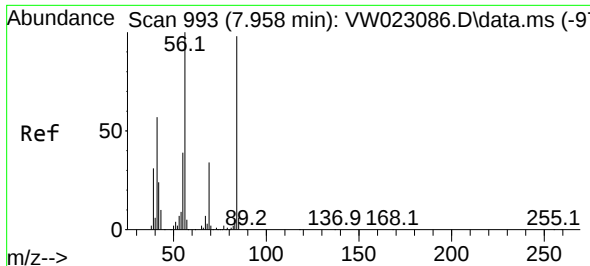
Tgt Ion: 62 Resp: 140627

Ion Ratio Lower Upper

62 100

98 9.1 7.2 10.8





#29

Cyclohexane

Concen: 19.141 ug/L

RT: 7.952 min Scan# 993

Delta R.T. -0.006 min

Lab File: VW023109.D

Acq: 17 May 2022 19:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025536

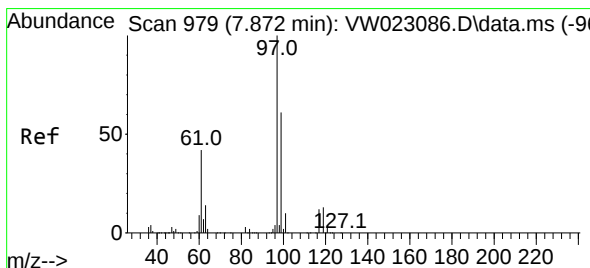
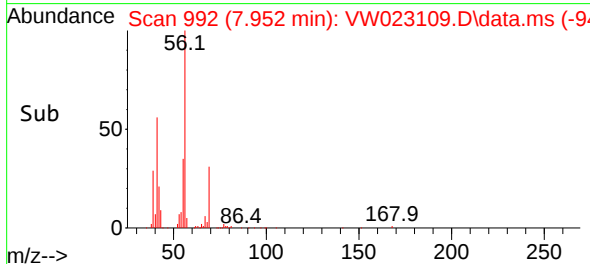
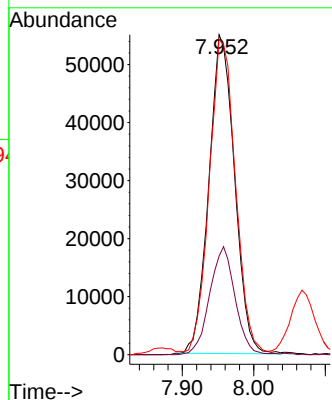
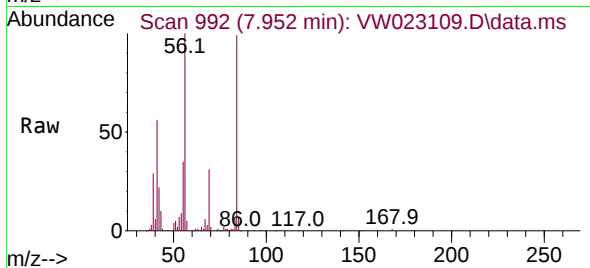
Tgt Ion: 56 Resp: 137168

Ion Ratio Lower Upper

56 100

69 33.3 25.6 38.4

84 101.3 78.2 117.4



#30

1,1,1-Trichloroethane

Concen: 22.451 ug/L

RT: 7.872 min Scan# 979

Delta R.T. 0.000 min

Lab File: VW023109.D

Acq: 17 May 2022 19:02

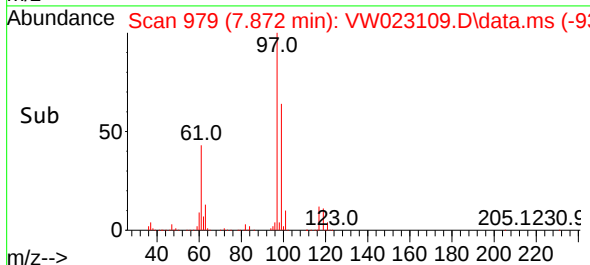
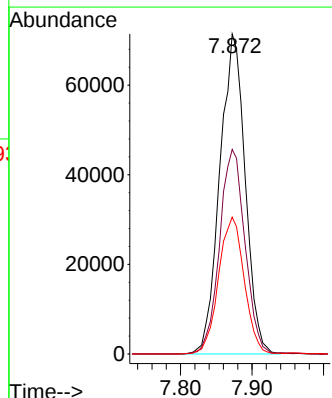
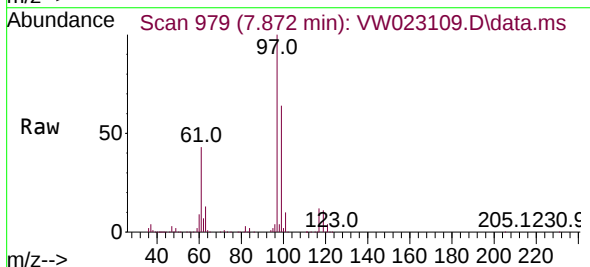
Tgt Ion: 97 Resp: 175806

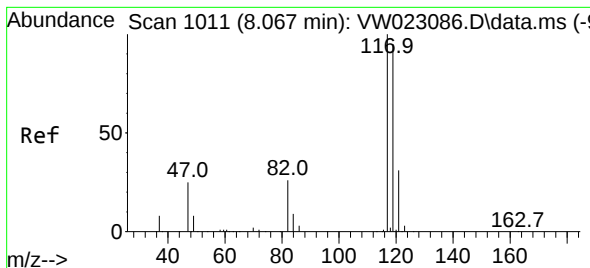
Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.4

61 43.2 34.8 52.2





#31

Carbon tetrachloride

Concen: 21.633 ug/L

RT: 8.067 min Scan# 1011

Delta R.T. 0.000 min

Lab File: VW023109.D

Acq: 17 May 2022 19:02

Instrument :

MSVOA_W

ClientSampleId :

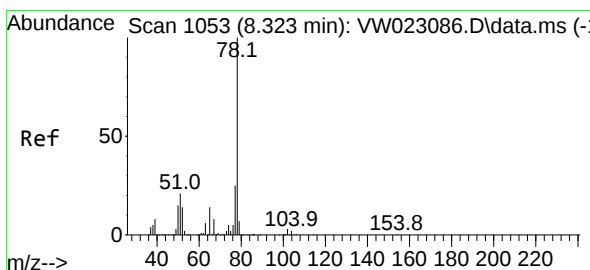
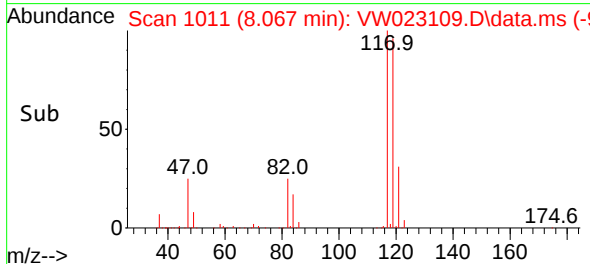
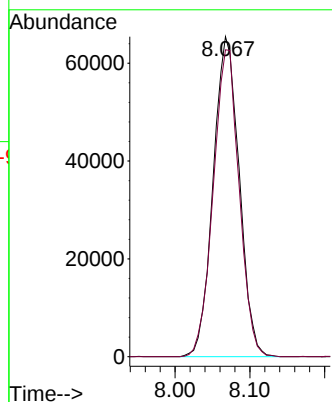
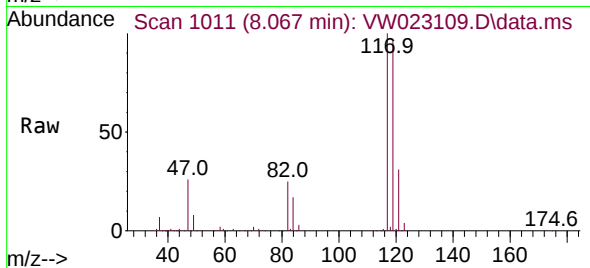
VSTD025536

Tgt Ion:117 Resp: 158463

Ion Ratio Lower Upper

117 100

119 95.5 76.6 115.0



#33

Benzene

Concen: 21.933 ug/L

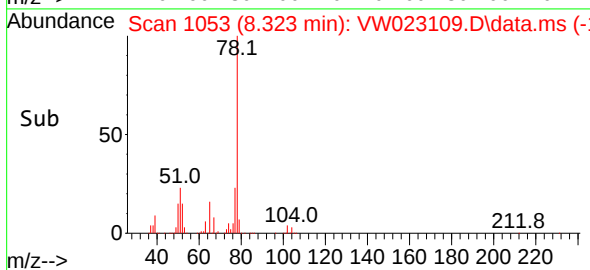
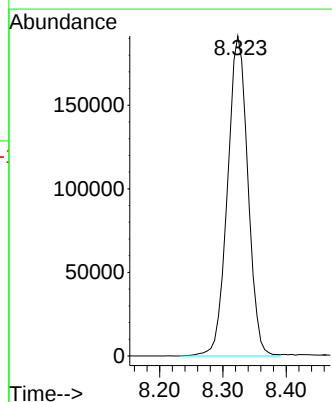
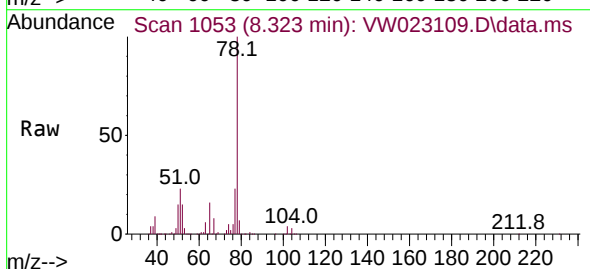
RT: 8.323 min Scan# 1053

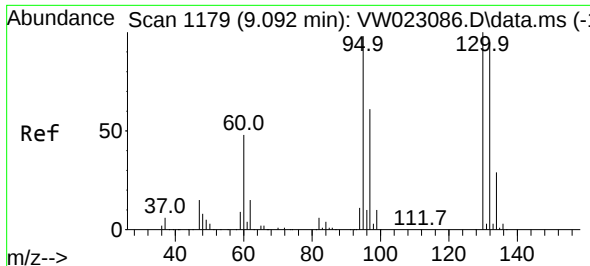
Delta R.T. 0.000 min

Lab File: VW023109.D

Acq: 17 May 2022 19:02

Tgt Ion: 78 Resp: 428133





#34

Trichloroethene

Concen: 21.237 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW023109.D

Acq: 17 May 2022 19:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025536

Tgt Ion: 95 Resp: 114007

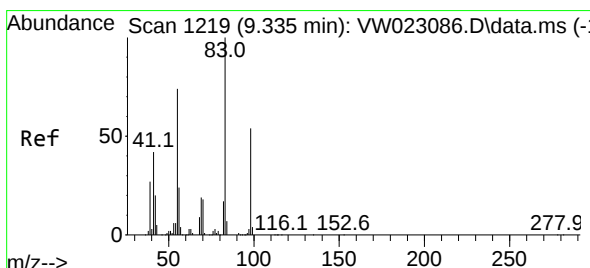
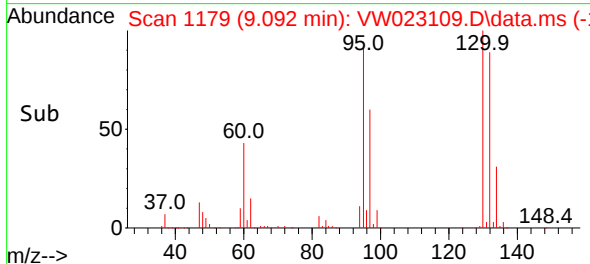
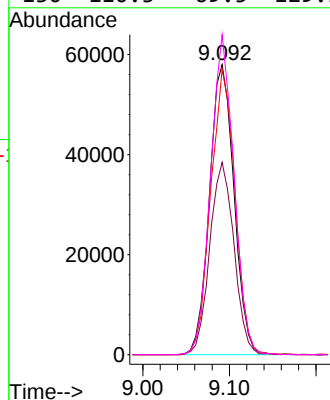
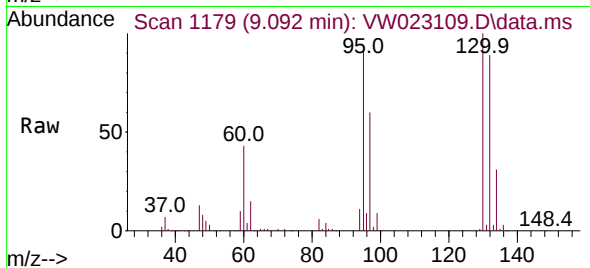
Ion Ratio Lower Upper

95 100

97 66.3 46.1 85.7

132 98.4 66.9 124.3

130 110.3 69.5 129.1



#35

Methylcyclohexane

Concen: 20.013 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW023109.D

Acq: 17 May 2022 19:02

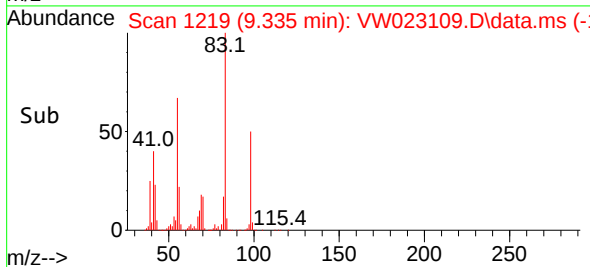
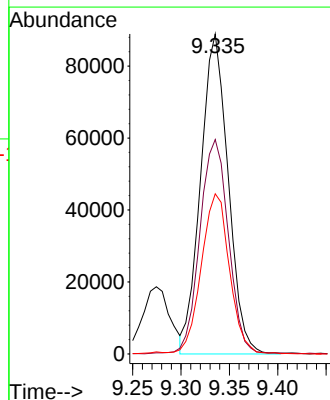
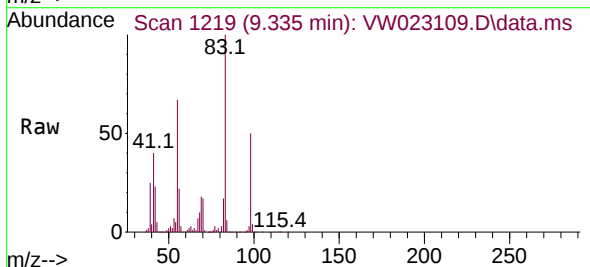
Tgt Ion: 83 Resp: 176499

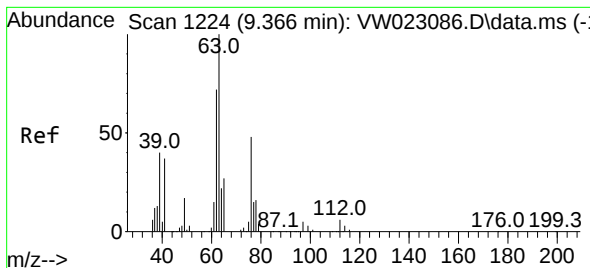
Ion Ratio Lower Upper

83 100

55 69.6 55.1 82.7

98 51.2 40.4 60.6





#37

1,2-Dichloropropane

Concen: 22.762 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023109.D

Acq: 17 May 2022 19:02

Instrument :

MSVOA_W

ClientSampleId :

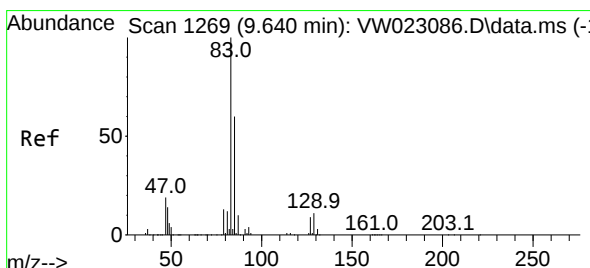
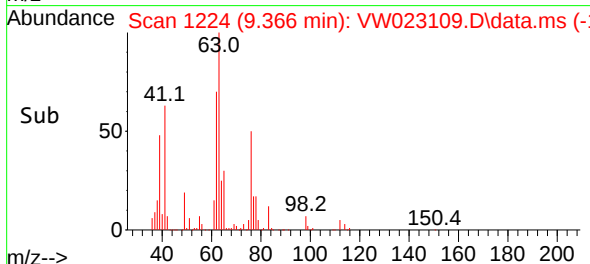
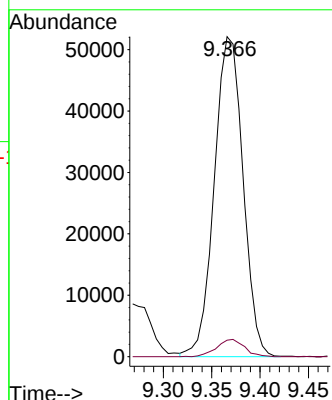
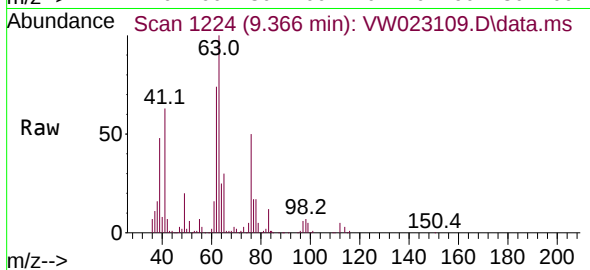
VSTD025536

Tgt Ion: 63 Resp: 107525

Ion Ratio Lower Upper

63 100

112 5.2 3.8 5.8



#38

Bromodichloromethane

Concen: 23.967 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.006 min

Lab File: VW023109.D

Acq: 17 May 2022 19:02

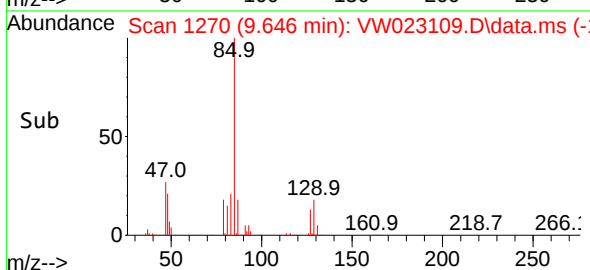
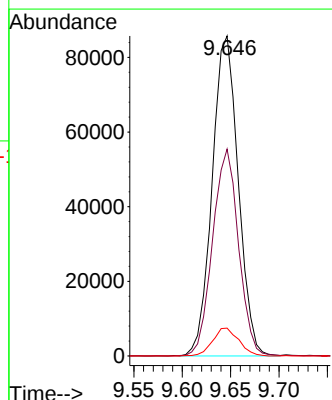
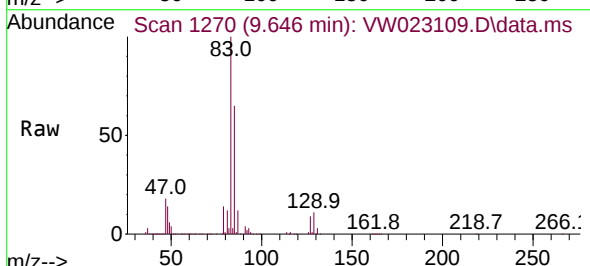
Tgt Ion: 83 Resp: 160811

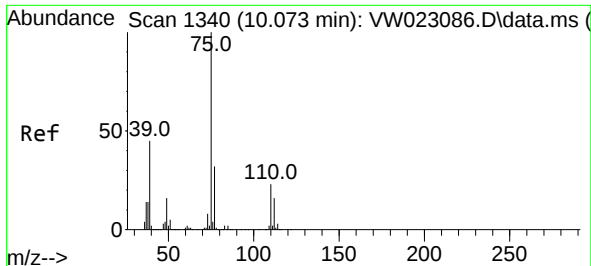
Ion Ratio Lower Upper

83 100

85 64.7 43.5 80.7

127 8.7 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 24.766 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. 0.000 min

Lab File: VW023109.D

Acq: 17 May 2022 19:02

Instrument :

MSVOA_W

ClientSampleId :

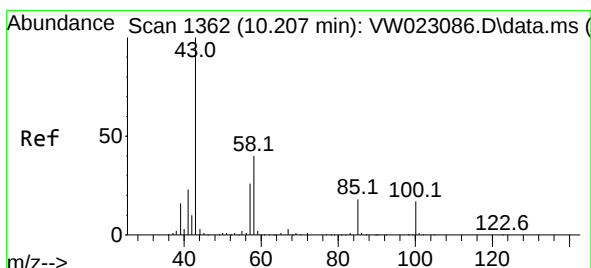
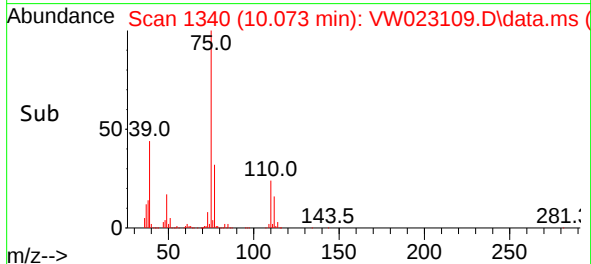
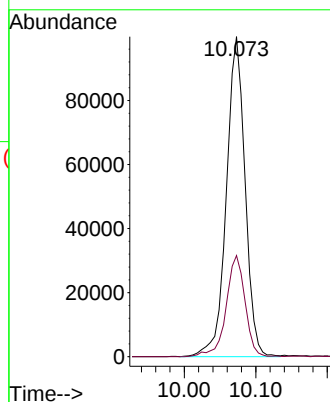
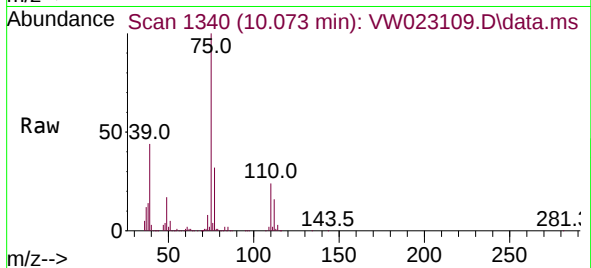
VSTD025536

Tgt Ion: 75 Resp: 181406

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 50.189 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW023109.D

Acq: 17 May 2022 19:02

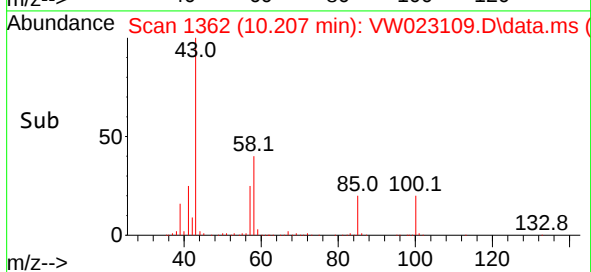
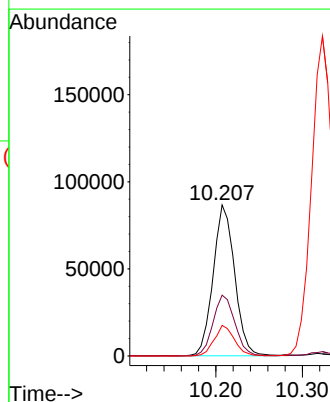
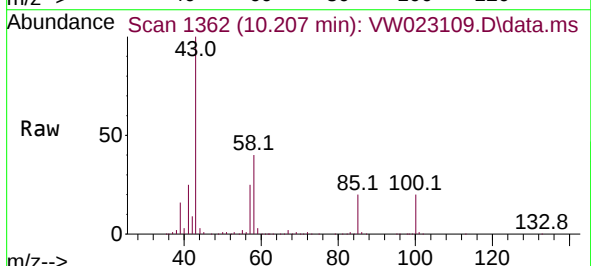
Tgt Ion: 43 Resp: 149435

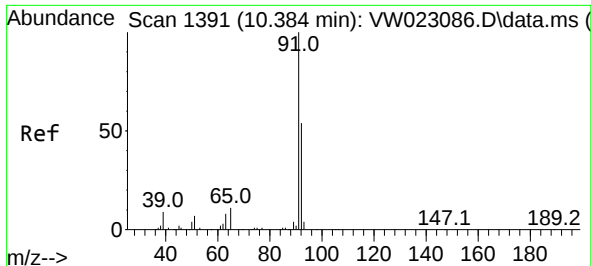
Ion Ratio Lower Upper

43 100

58 41.0 31.4 47.2

100 19.0 14.2 21.4

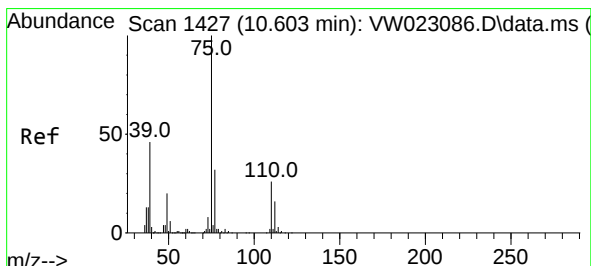
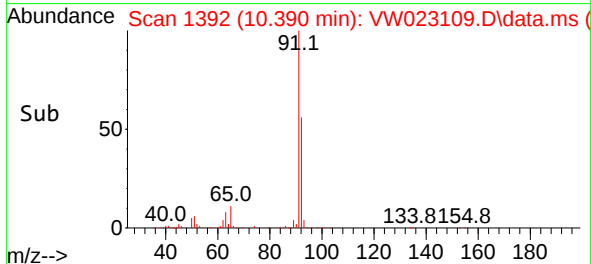
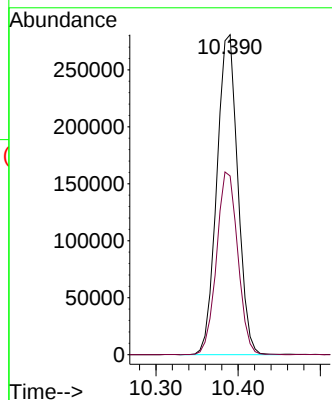
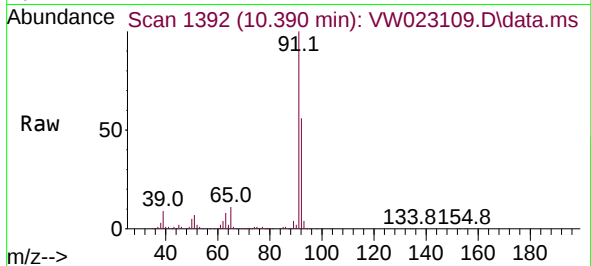




#42
Toluene
Concen: 22.723 ug/L
RT: 10.390 min Scan# 1391
Delta R.T. 0.006 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

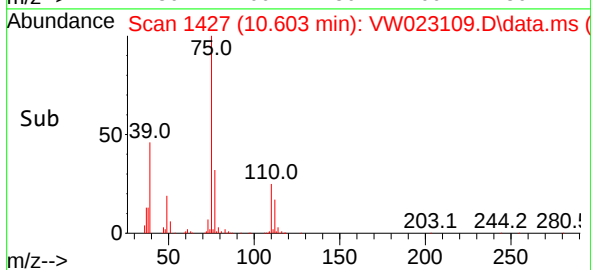
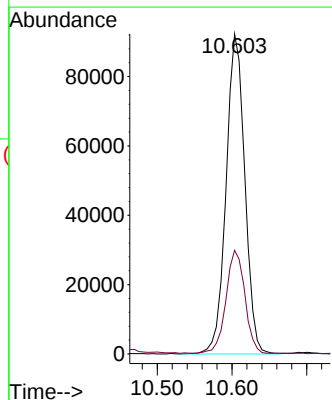
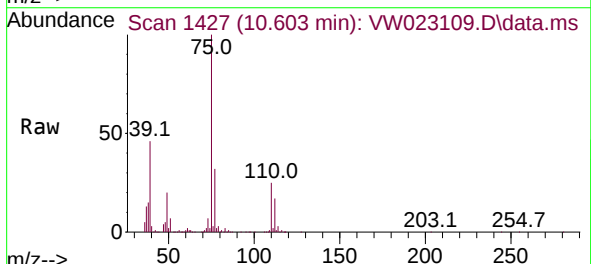
Instrument :
MSVOA_W
ClientSampleId :
VSTD025536

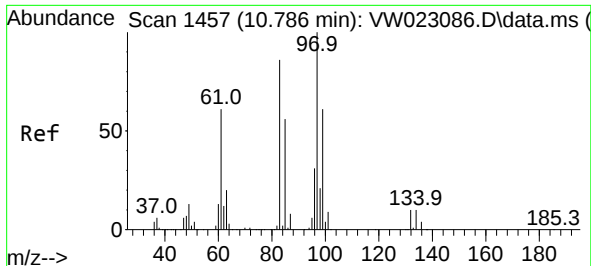
Tgt Ion: 91 Resp: 497099
Ion Ratio Lower Upper
91 100
92 55.8 41.6 77.2



#44
trans-1,3-Dichloropropene
Concen: 24.623 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

Tgt Ion: 75 Resp: 160978
Ion Ratio Lower Upper
75 100
77 32.4 22.0 40.8

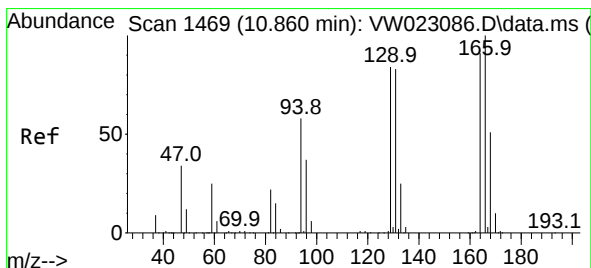
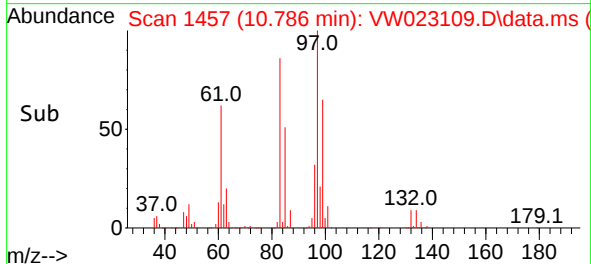
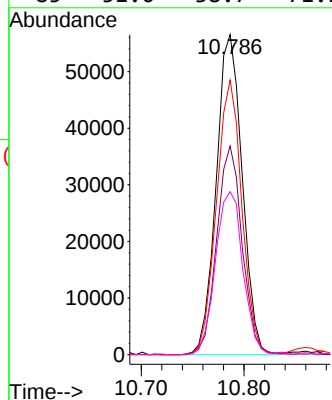
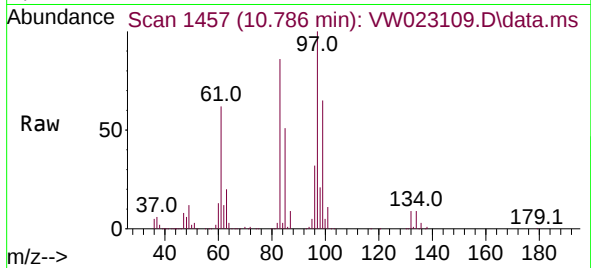




#45
1,1,2-Trichloroethane
Concen: 25.109 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

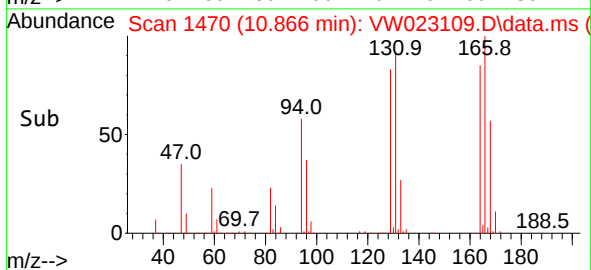
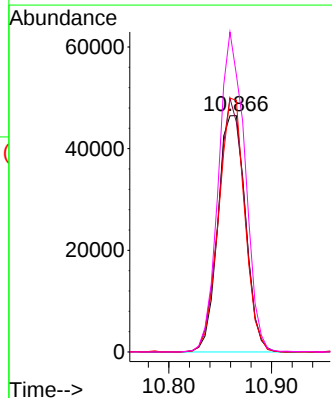
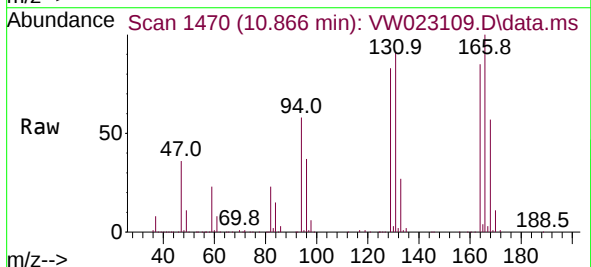
Instrument :
MSVOA_W
ClientSampleId :
VSTD025536

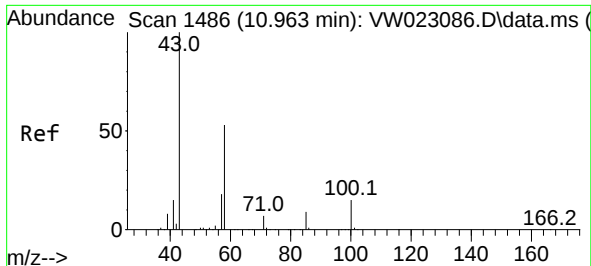
Tgt Ion:	97	Resp:	99155
Ion	Ratio	Lower	Upper
97	100		
99	65.2	44.7	82.9
83	85.8	58.4	108.4
85	51.0	38.7	71.9



#46
Tetrachloroethene
Concen: 21.485 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

Tgt Ion:	164	Resp:	86679
Ion	Ratio	Lower	Upper
164	100		
129	97.3	76.9	142.7
131	106.5	75.1	139.5
166	117.3	96.0	178.2

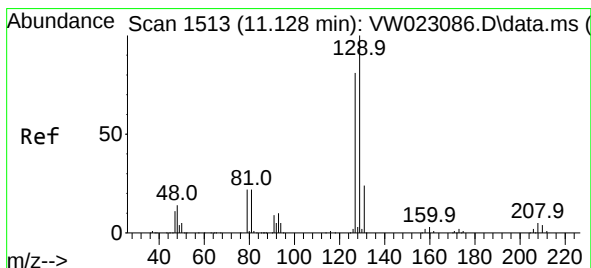
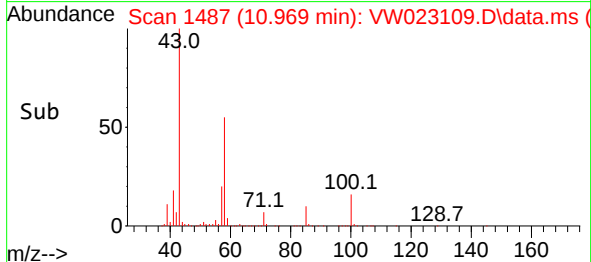
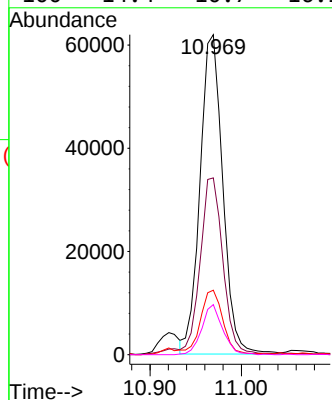
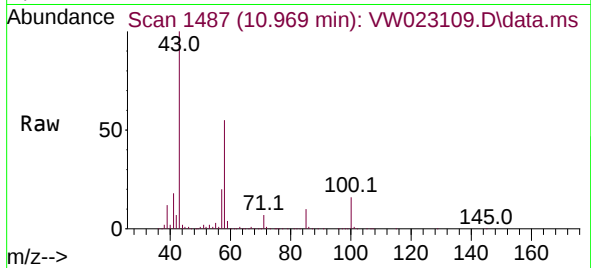




#48
2-Hexanone
Concen: 53.790 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

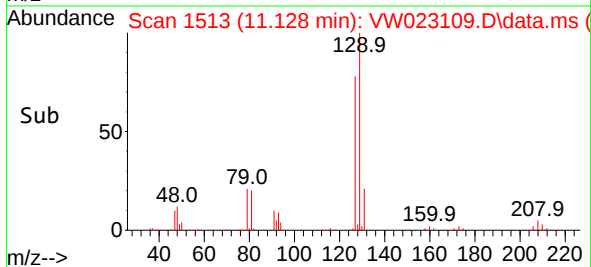
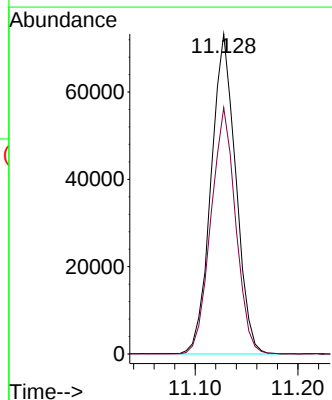
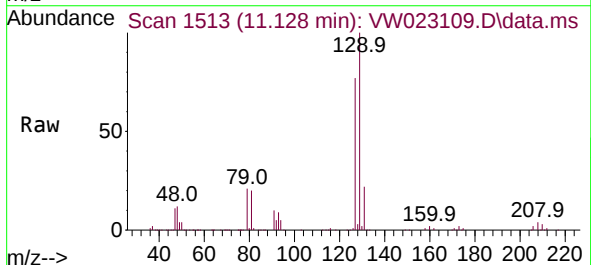
Instrument :
MSVOA_W
ClientSampleId :
VSTD025536

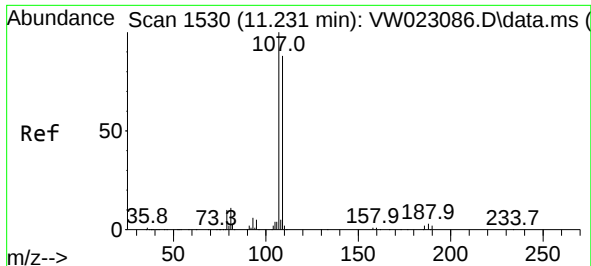
Tgt Ion: 43 Resp: 107010
Ion Ratio Lower Upper
43 100
58 55.2 45.9 68.9
57 19.7 16.2 24.2
100 14.4 10.7 16.1



#49
Dibromochloromethane
Concen: 25.720 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

Tgt Ion: 129 Resp: 122241
Ion Ratio Lower Upper
129 100
127 77.0 53.8 100.0

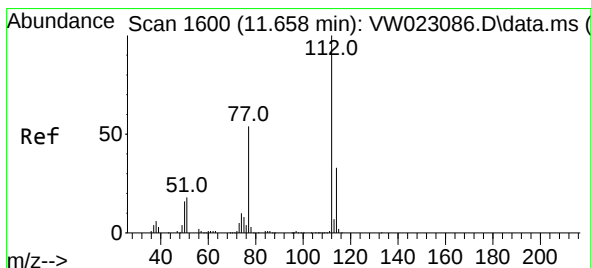
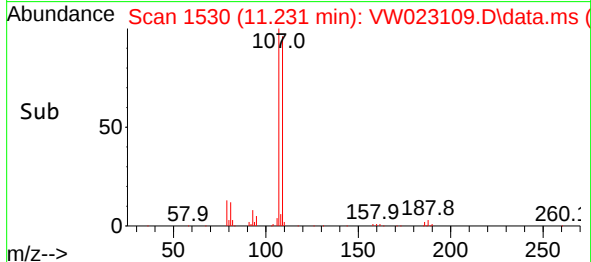
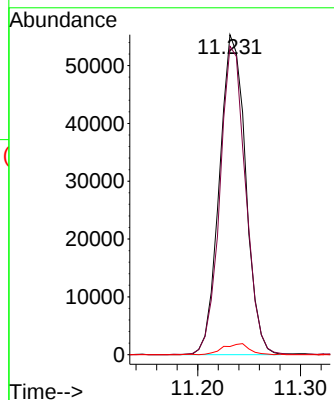
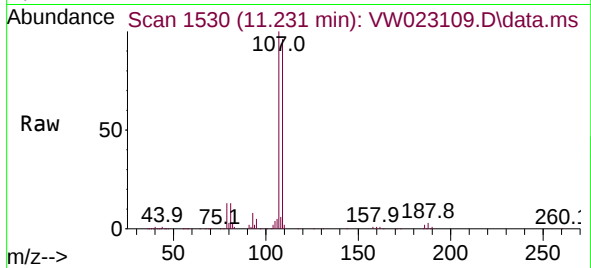




#50
1,2-Dibromoethane
Concen: 24.702 ug/L
RT: 11.231 min Scan# 1530
Delta R.T. 0.000 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

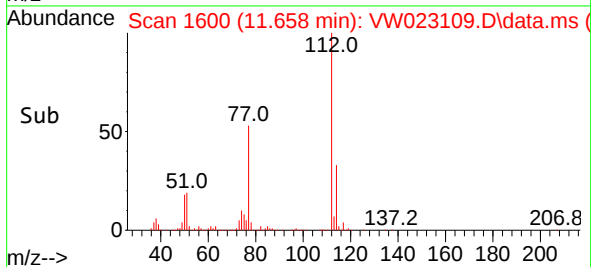
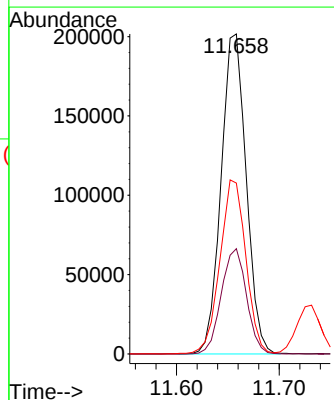
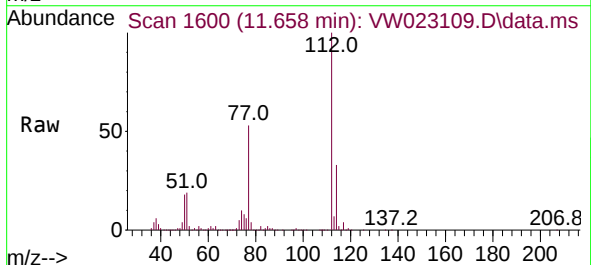
Instrument :
MSVOA_W
ClientSampleId :
VSTD025536

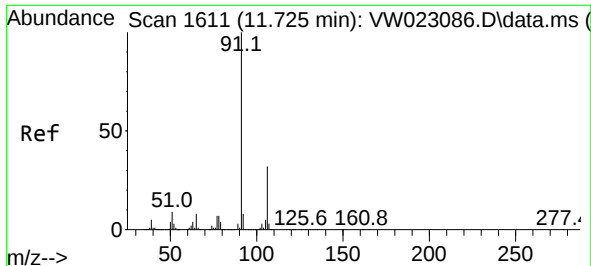
Tgt Ion:107 Resp: 97951
Ion Ratio Lower Upper
107 100
109 96.4 67.5 125.4
188 2.6 2.9 4.3#



#51
Chlorobenzene
Concen: 23.730 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

Tgt Ion:112 Resp: 342239
Ion Ratio Lower Upper
112 100
114 32.9 22.0 41.0
77 53.4 42.6 63.8

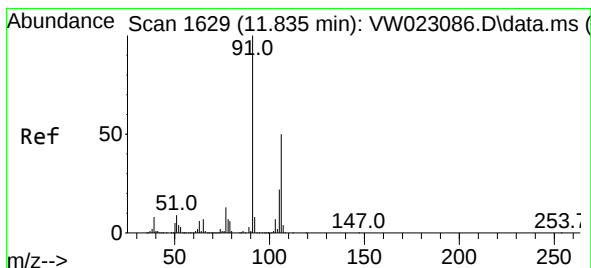
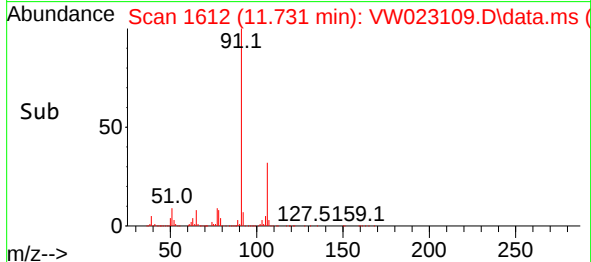
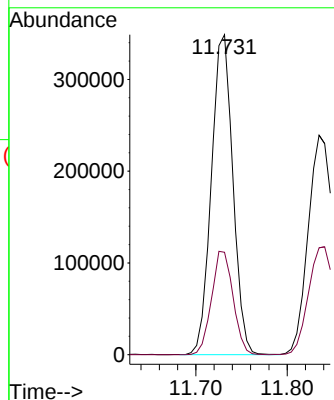
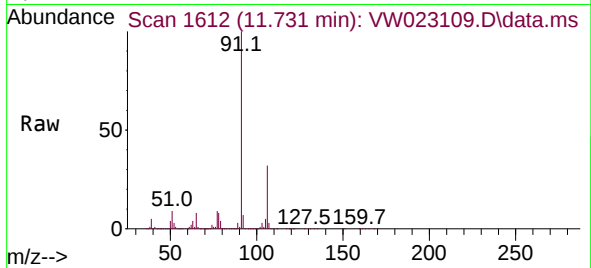




#52
Ethylbenzene
Concen: 23.373 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

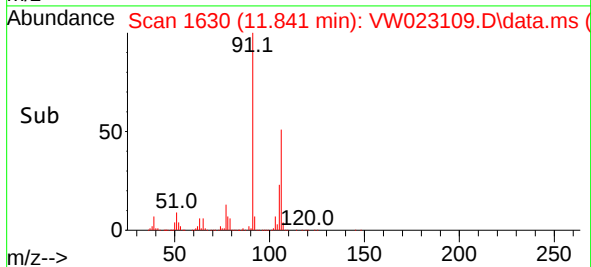
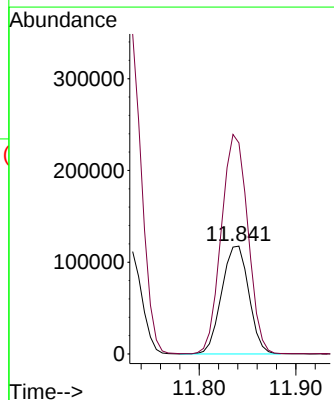
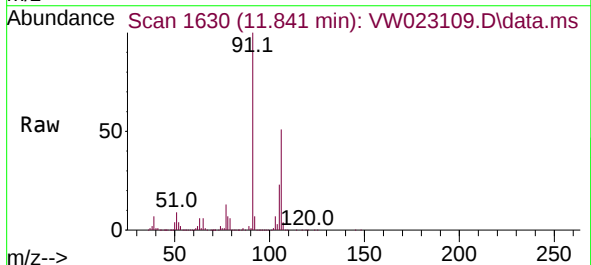
Instrument :
MSVOA_W
ClientSampleId :
VSTD025536

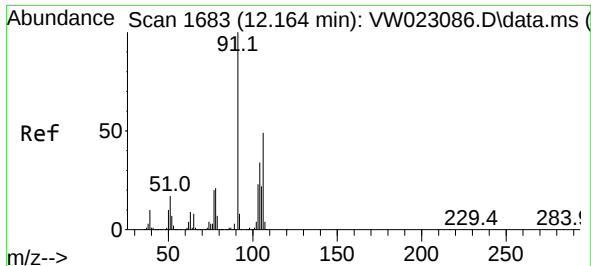
Tgt Ion: 91 Resp: 568840
Ion Ratio Lower Upper
91 100
106 32.0 22.3 41.3



#53
m,p-Xylene
Concen: 23.887 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

Tgt Ion: 106 Resp: 229073
Ion Ratio Lower Upper
106 100
91 195.8 136.8 254.0

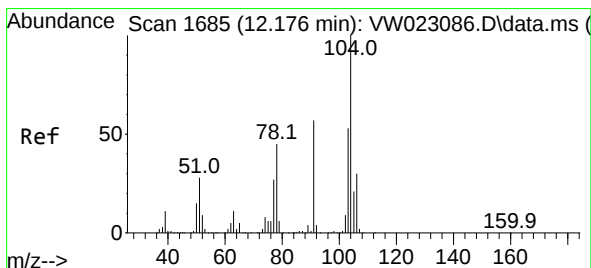
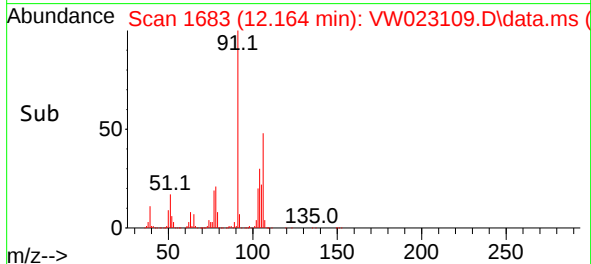
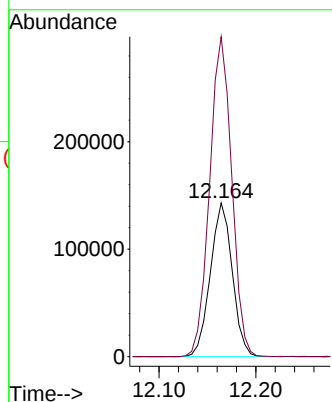
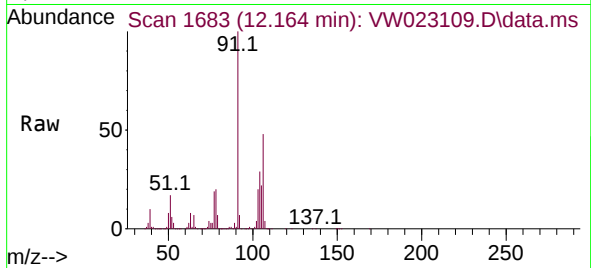




#54
o-Xylene
Concen: 24.457 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

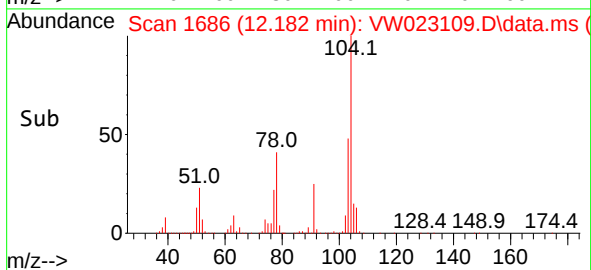
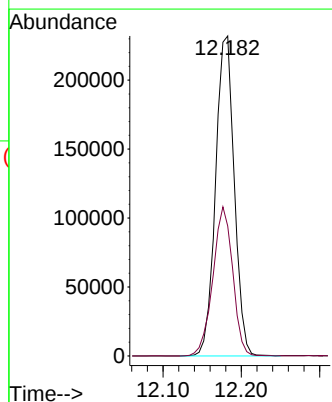
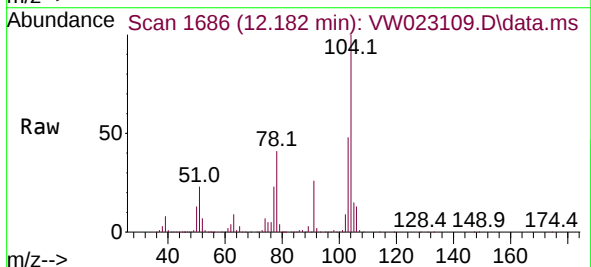
Instrument :
MSVOA_W
ClientSampleId :
VSTD025536

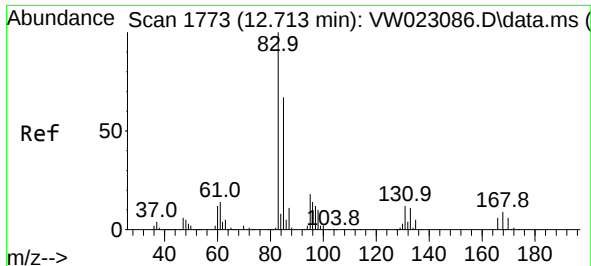
Tgt Ion:106 Resp: 225063
Ion Ratio Lower Upper
106 100
91 208.2 147.2 273.4



#55
Styrene
Concen: 24.644 ug/L
RT: 12.182 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

Tgt Ion:104 Resp: 385356
Ion Ratio Lower Upper
104 100
78 40.6 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 26.118 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023109.D

Acq: 17 May 2022 19:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025536

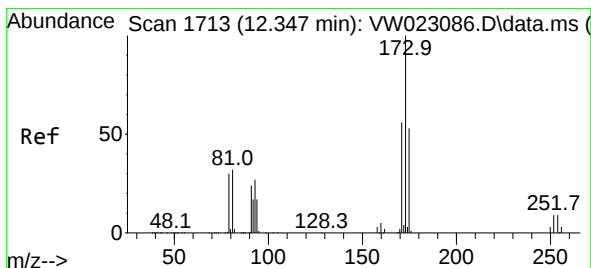
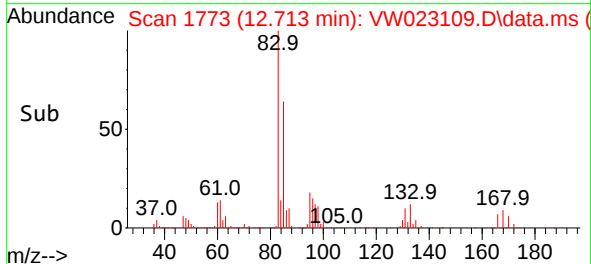
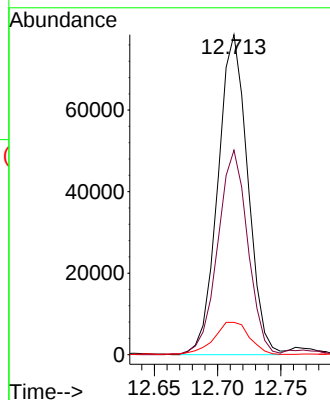
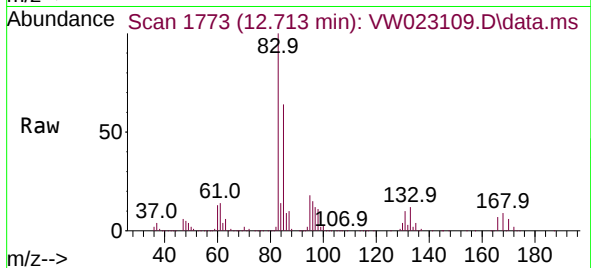
Tgt Ion: 83 Resp: 128824

Ion Ratio Lower Upper

83 100

85 63.9 47.5 88.1

131 10.1 8.7 13.1



#59

Bromoform

Concen: 24.273 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW023109.D

Acq: 17 May 2022 19:02

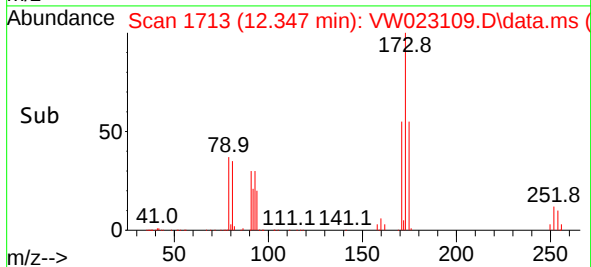
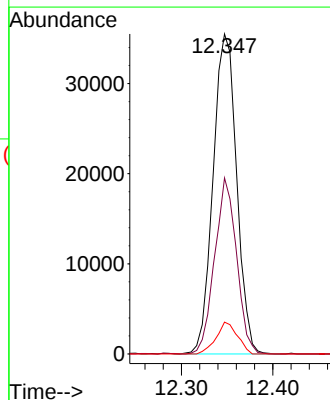
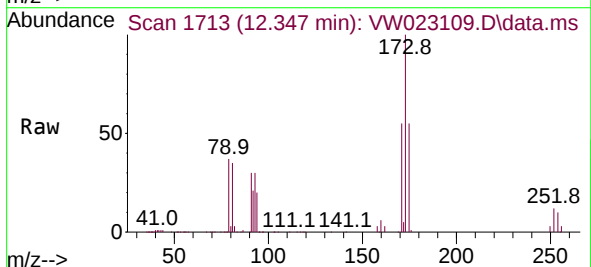
Tgt Ion:173 Resp: 63718

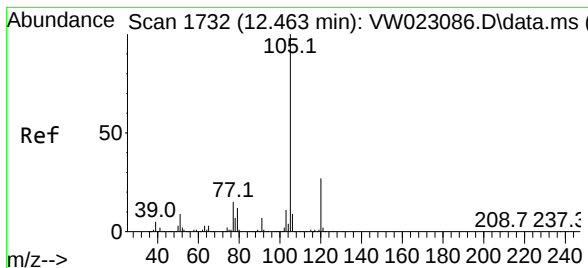
Ion Ratio Lower Upper

173 100

175 51.2 38.1 57.1

254 9.0 6.5 9.7





#60

Isopropylbenzene

Concen: 23.905 ug/L

RT: 12.463 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023109.D

Acq: 17 May 2022 19:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025536

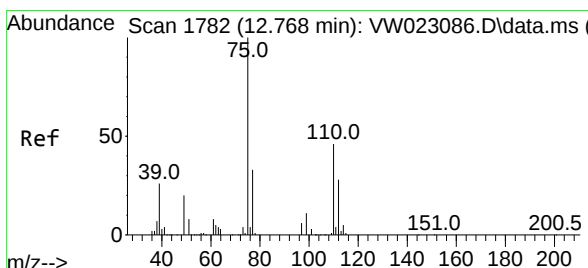
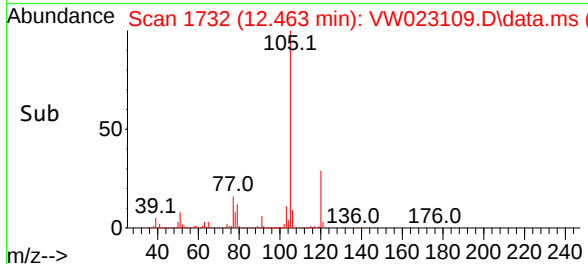
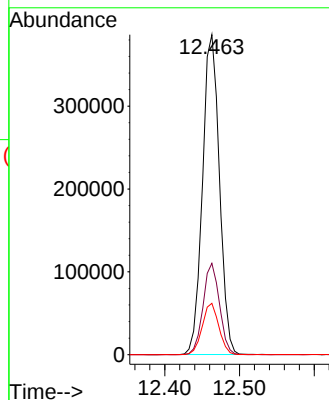
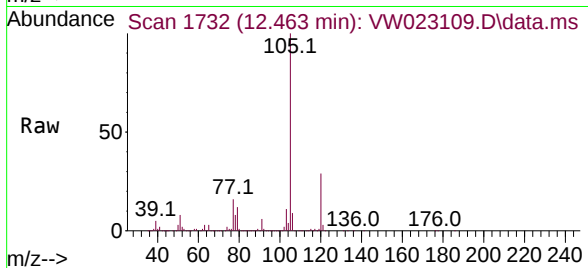
Tgt Ion:105 Resp: 606601

Ion Ratio Lower Upper

105 100

120 27.7 21.3 31.9

77 15.8 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 24.788 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VW023109.D

Acq: 17 May 2022 19:02

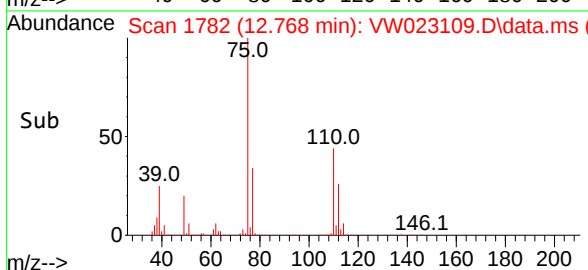
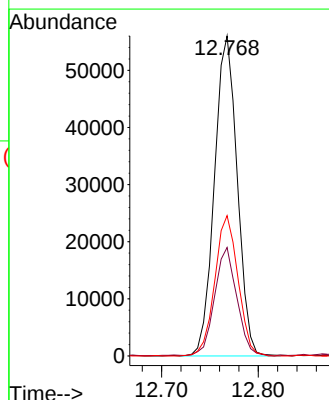
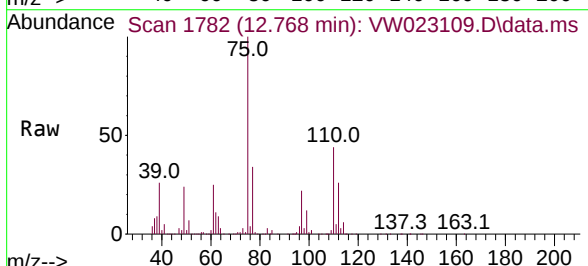
Tgt Ion: 75 Resp: 91741

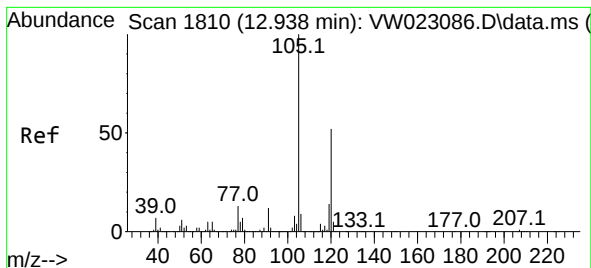
Ion Ratio Lower Upper

75 100

77 33.1 26.2 39.2

110 44.5 34.1 51.1

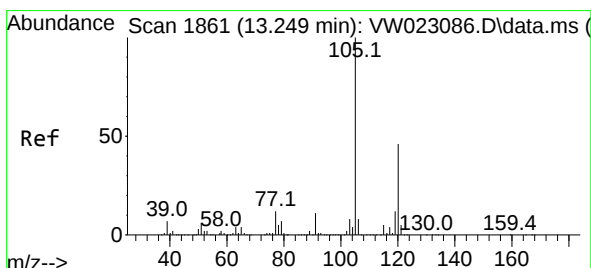
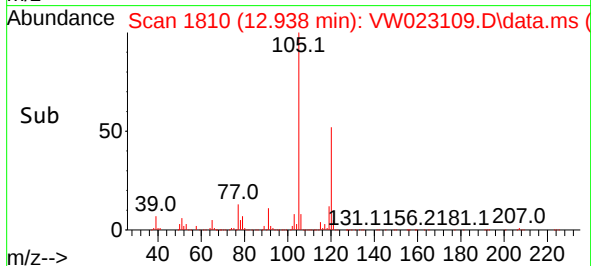
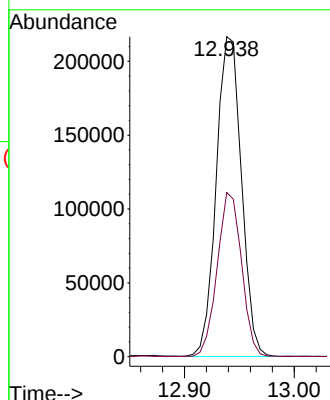
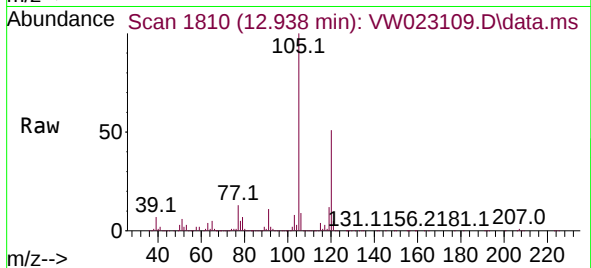




#62
1,3,5-Trimethylbenzene
Concen: 24.528 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

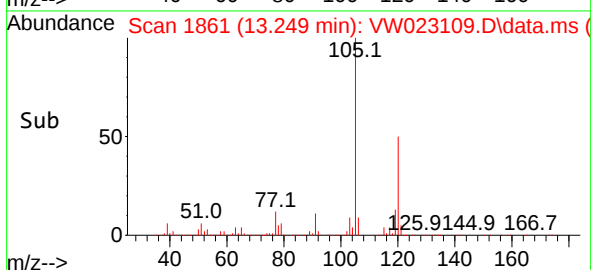
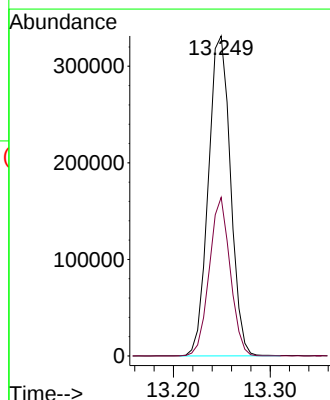
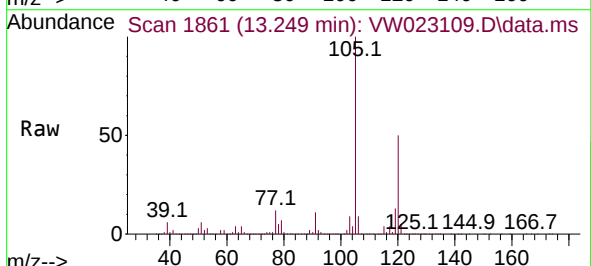
Instrument :
MSVOA_W
ClientSampleId :
VSTD025536

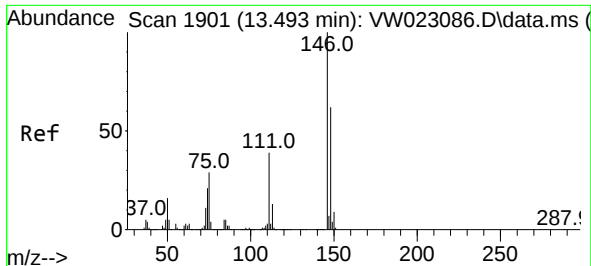
Tgt Ion:105 Resp: 346270
Ion Ratio Lower Upper
105 100
120 49.4 38.9 58.3



#63
1,2,4-Trimethylbenzene
Concen: 24.861 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

Tgt Ion:105 Resp: 526992
Ion Ratio Lower Upper
105 100
120 46.8 37.4 56.2

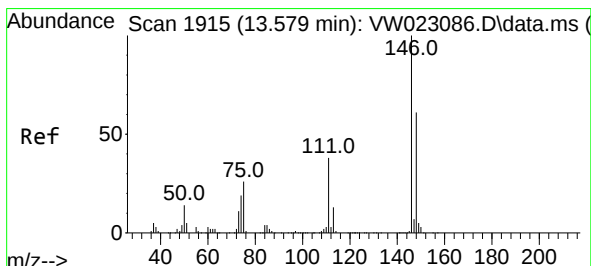
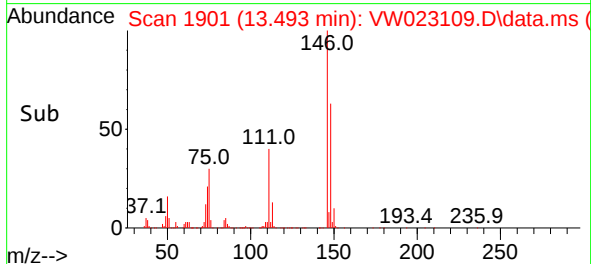
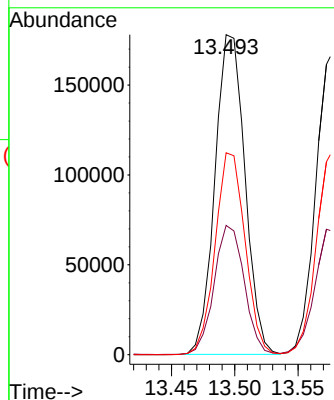
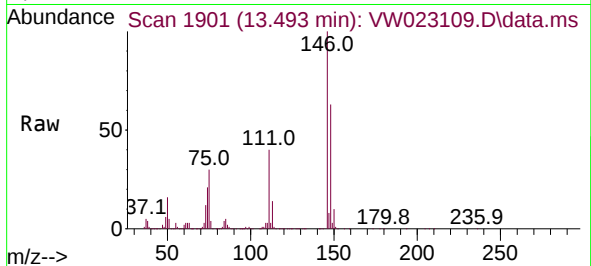




#64
1,3-Dichlorobenzene
Concen: 25.953 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

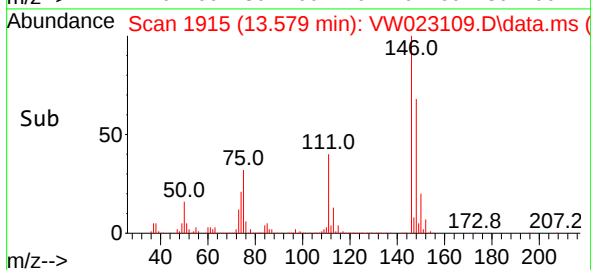
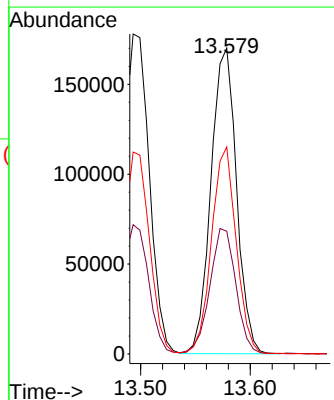
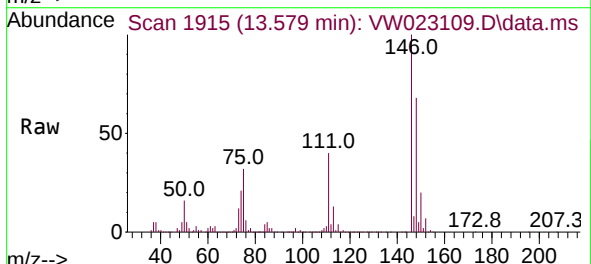
Instrument :
MSVOA_W
ClientSampleId :
VSTD025536

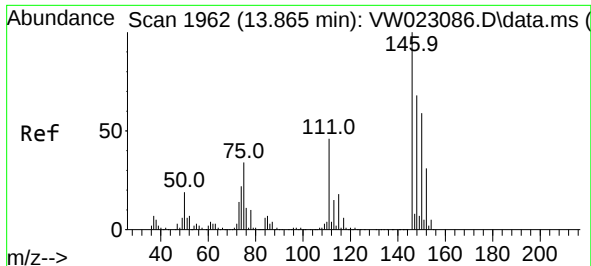
Tgt Ion:146 Resp: 294034
Ion Ratio Lower Upper
146 100
111 40.4 29.5 54.9
148 63.1 48.6 90.2



#65
1,4-Dichlorobenzene
Concen: 23.586 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

Tgt Ion:146 Resp: 276012
Ion Ratio Lower Upper
146 100
111 40.1 27.2 50.4
148 67.7 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 25.244 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW023109.D

Acq: 17 May 2022 19:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025536

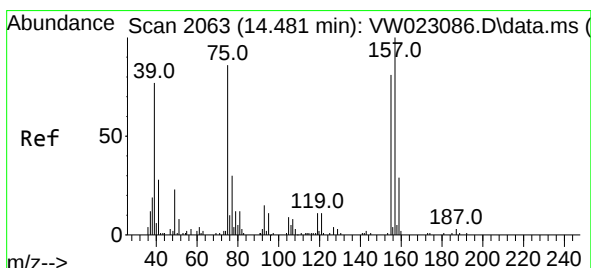
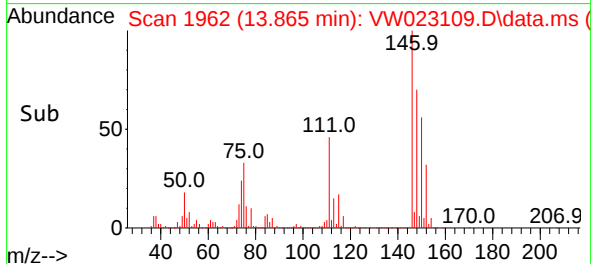
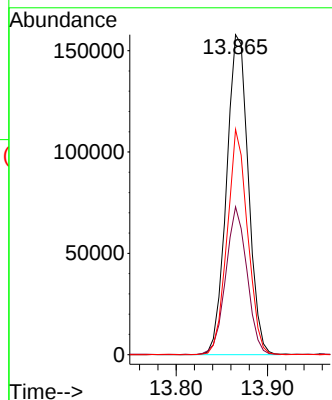
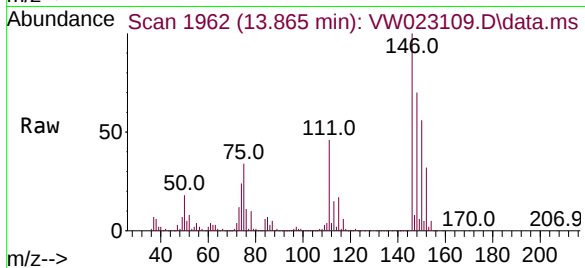
Tgt Ion:146 Resp: 261718

Ion Ratio Lower Upper

146 100

111 46.2 35.7 53.5

148 70.4 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 25.806 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW023109.D

Acq: 17 May 2022 19:02

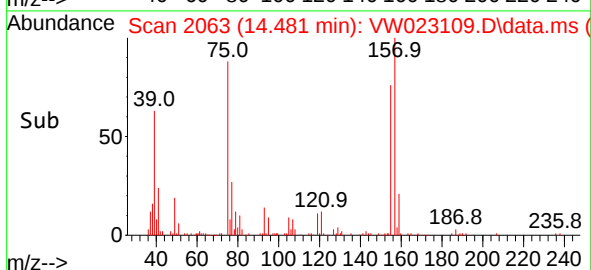
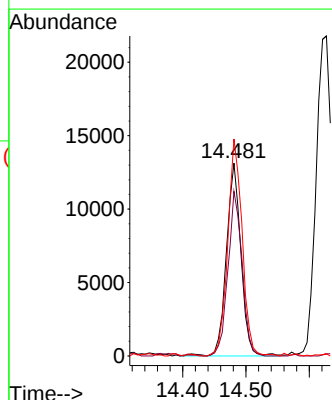
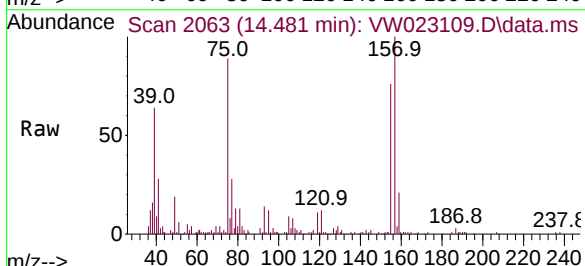
Tgt Ion: 75 Resp: 20874

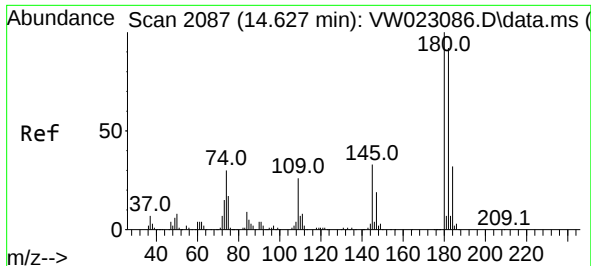
Ion Ratio Lower Upper

75 100

155 85.4 59.3 88.9

157 112.5 89.8 134.8

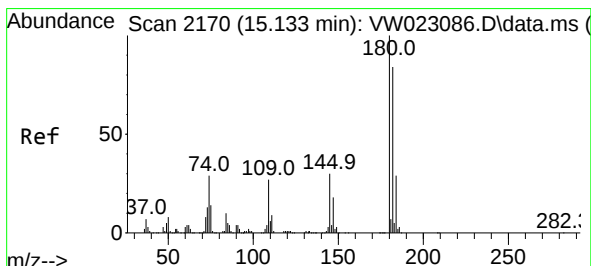
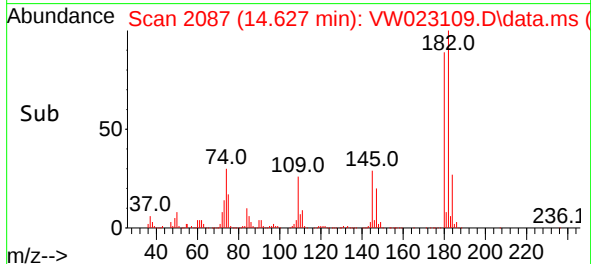
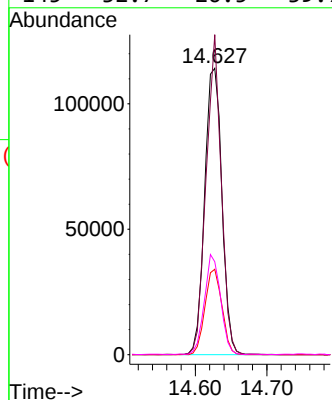
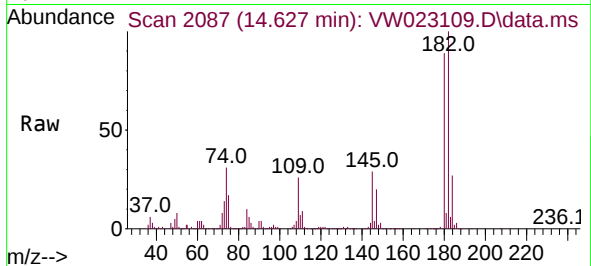




#69
1,3,5-Trichlorobenzene
Concen: 25.451 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. 0.000 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

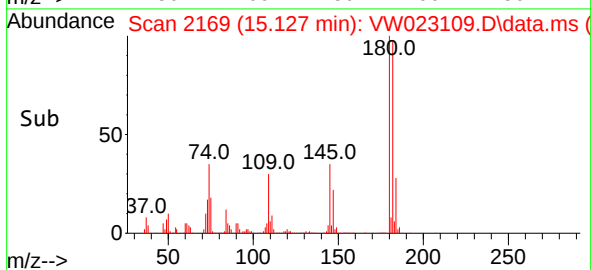
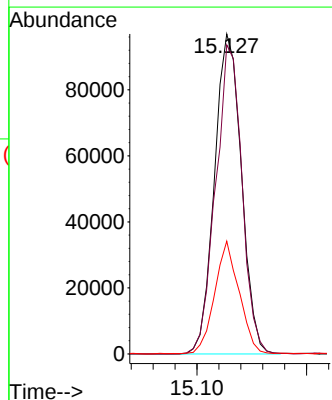
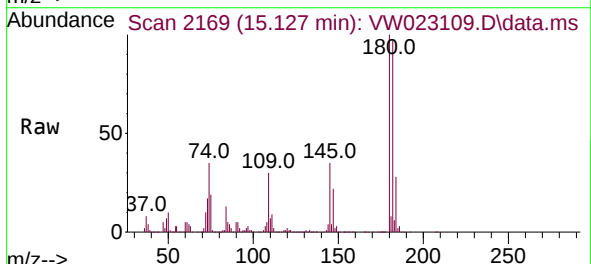
Instrument :
MSVOA_W
ClientSampleId :
VSTD025536

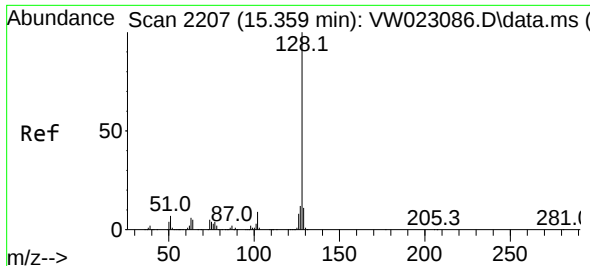
Tgt Ion:	180	Resp:	191400
Ion Ratio	Lower	Upper	
180	100		
182	97.9	74.8	112.2
184	29.3	23.4	35.2
145	32.7	26.5	39.7



#70
1,2,4-trichlorobenzene
Concen: 27.331 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

Tgt Ion:	180	Resp:	165340
Ion Ratio	Lower	Upper	
180	100		
182	94.3	74.9	112.3
145	31.9	26.6	39.8

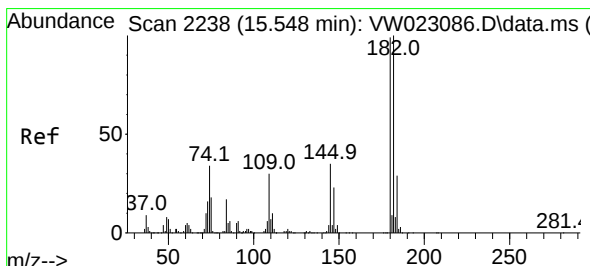
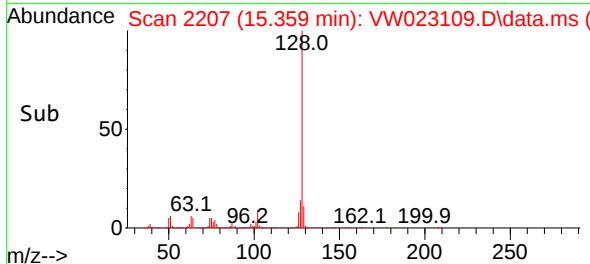
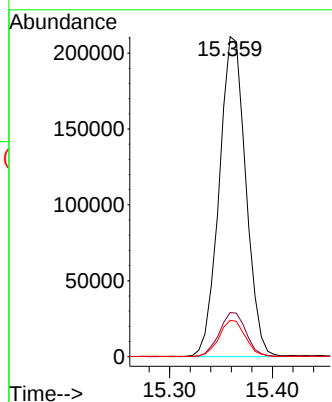
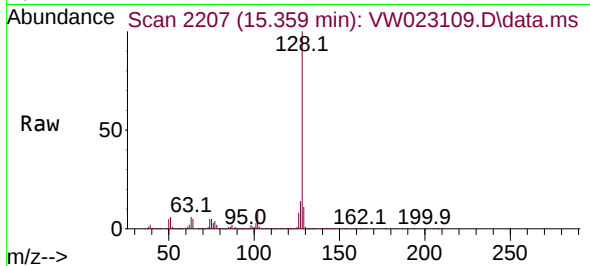




#71
Naphthalene
Concen: 28.833 ug/L
RT: 15.359 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

Instrument :
MSVOA_W
ClientSampleId :
VSTD025536

Tgt Ion:128 Resp: 379111
Ion Ratio Lower Upper
128 100
127 14.0 10.6 16.0
129 11.2 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 27.852 ug/L
RT: 15.554 min Scan# 2239
Delta R.T. 0.006 min
Lab File: VW023109.D
Acq: 17 May 2022 19:02

Tgt Ion:180 Resp: 149336
Ion Ratio Lower Upper
180 100
182 94.0 73.5 110.3
145 36.7 27.9 41.9

