

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051923\
 Data File : VW025997.D
 Acq On : 19 May 2023 09:39
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025493

Quant Time: May 20 04:52:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 19 04:36:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	597409	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	539725	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	272475	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	166869	19.711	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.840%
7) Chloroethane-d5	2.893	69	145804	23.231	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.920%
11) 1,1-Dichloroethene-d2	4.021	65	83953	19.805	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.200%
21) 2-Butanone-d5	7.069	46	127091	45.411	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.820%
24) Chloroform-d	7.642	84	415881	24.142	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.560%
26) 1,2-Dichloroethane-d4	8.301	65	218908	22.473	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.880%
32) Benzene-d6	8.270	84	800741	22.705	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.840%
36) 1,2-Dichloropropane-d6	9.270	67	259817	23.026	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.120%
41) Toluene-d8	10.319	98	698550	22.213	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.840%
43) trans-1,3-Dichloroprop...	10.575	79	98386	21.510	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.040%
47) 2-Hexanone-d5	10.922	63	90528	47.050	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.100%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	212334	24.689	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.760%
66) 1,2-Dichlorobenzene-d4	13.855	152	225223	22.675	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	180512	27.046	ug/L	89
3) Chloromethane	2.222	50	238612	24.247	ug/L	98
5) Vinyl chloride	2.369	62	260411	25.566	ug/L	100
6) Bromomethane	2.783	94	142092	25.648	ug/L	99
8) Chloroethane	2.930	64	153741	26.544	ug/L	99
9) Trichlorofluoromethane	3.265	101	183172	23.828	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	225345	26.955	ug/L	99
12) 1,1-Dichloroethene	4.039	96	205585	25.731	ug/L	95
13) Acetone	4.112	43	108858	43.866	ug/L	97
14) Carbon disulfide	4.387	76	627402	23.220	ug/L	99
15) Methyl Acetate	4.661	43	113174	23.143	ug/L	100
16) Methylene chloride	4.917	84	241290	19.585	ug/L	97
17) trans-1,2-Dichloroethene	5.423	96	219247	25.154	ug/L	97
18) Methyl tert-butyl Ether	5.417	73	321309	24.288	ug/L	100
19) 1,1-Dichloroethane	6.210	63	471653	26.338	ug/L	97
20) cis-1,2-Dichloroethene	7.167	96	238416	25.496	ug/L	99
22) 2-Butanone	7.167	43	149861	43.735	ug/L	99
23) Bromochloromethane	7.508	128	102205	25.799	ug/L	97
25) Chloroform	7.673	83	440010	26.734	ug/L	96

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 Response via : Initial Calibration

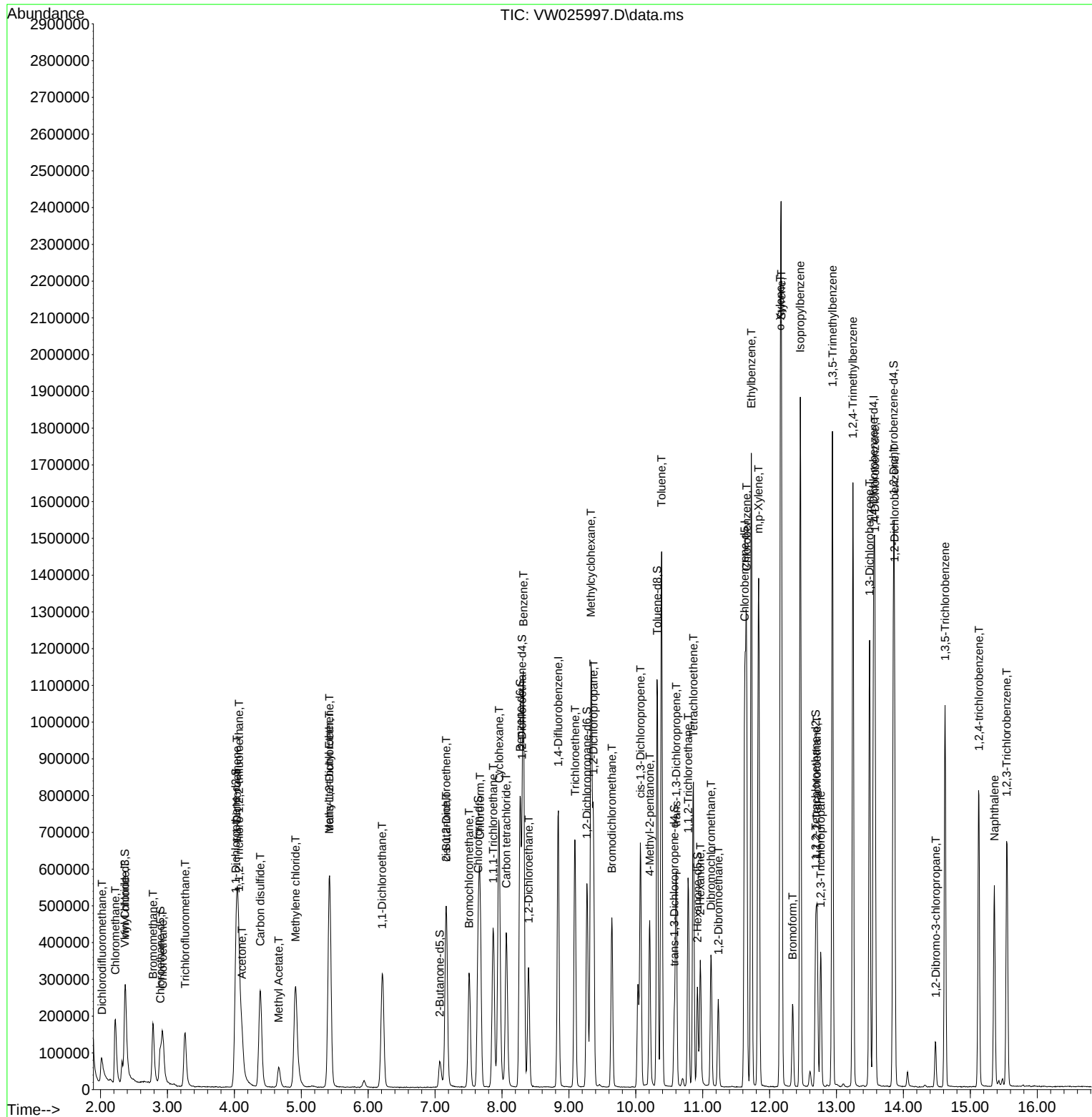
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	292509	25.024	ug/L	100
29) Cyclohexane	7.959	56	416759	24.917	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	350851	26.581	ug/L	99
31) Carbon tetrachloride	8.063	117	310231	26.116	ug/L	99
33) Benzene	8.319	78	976961	26.163	ug/L	100
34) Trichloroethene	9.093	95	243964	25.461	ug/L	97
35) Methylcyclohexane	9.331	83	429538	25.204	ug/L	99
37) 1,2-Dichloropropane	9.368	63	269628	26.355	ug/L	100
38) Bromodichloromethane	9.642	83	309011	26.328	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	376085	25.068	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	314753	47.267	ug/L	100
42) Toluene	10.386	91	1016686	26.647	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	318838	25.648	ug/L	100
45) 1,1,2-Trichloroethane	10.782	97	170358	24.893	ug/L	96
46) Tetrachloroethene	10.861	164	179134	26.574	ug/L	89
48) 2-Hexanone	10.965	43	222753	46.694	ug/L	98
49) Dibromochloromethane	11.123	129	186717	26.354	ug/L	91
50) 1,2-Dibromoethane	11.233	107	154144	24.433	ug/L	96
51) Chlorobenzene	11.654	112	618424	26.164	ug/L	96
52) Ethylbenzene	11.727	91	1153597	26.879	ug/L	97
53) m,p-Xylene	11.837	106	425859	26.960	ug/L	98
54) o-Xylene	12.160	106	400870	26.924	ug/L	93
55) Styrene	12.178	104	699538	27.451	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.708	83	210991	24.709	ug/L	99
59) Bromoform	12.343	173	100423	24.882	ug/L	98
60) Isopropylbenzene	12.458	105	1131078	27.309	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	153632	23.858	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	893931	27.250	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	825201	27.260	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	467906	26.243	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	466513	25.899	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	411797	25.898	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.482	75	32872	22.014	ug/L	90
69) 1,3,5-Trichlorobenzene	14.623	180	293541	24.803	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	241023	24.309	ug/L	100
71) Naphthalene	15.360	128	425308	22.727	ug/L	98
72) 1,2,3-Trichlorobenzene	15.543	180	212883	24.198	ug/L	99

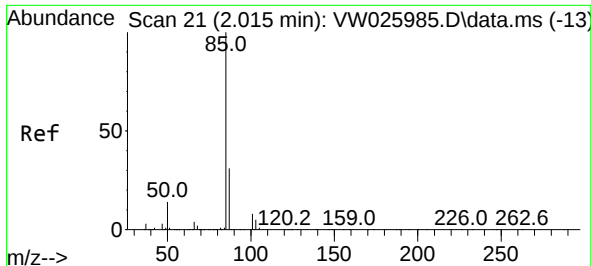
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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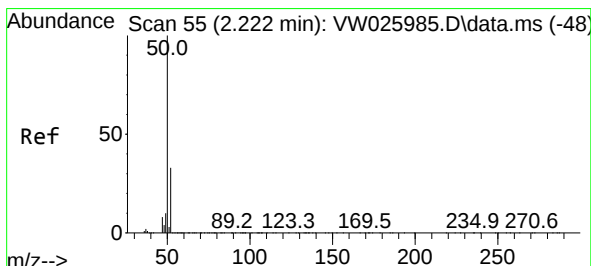
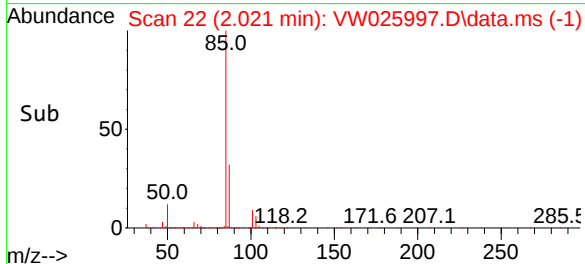
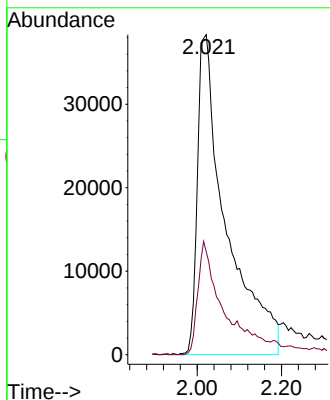
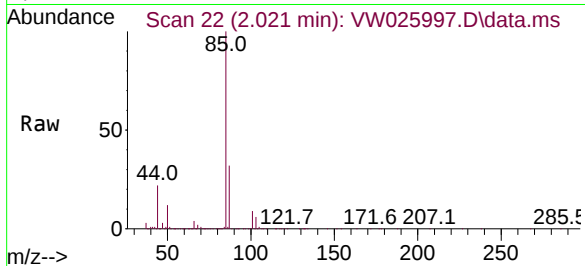




#2
 Dichlorodifluoromethane
 Concen: 27.046 ug/L
 RT: 2.021 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VW025997.D
 Acq: 19 May 2023 09:39

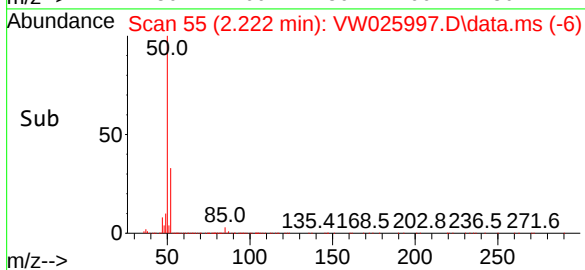
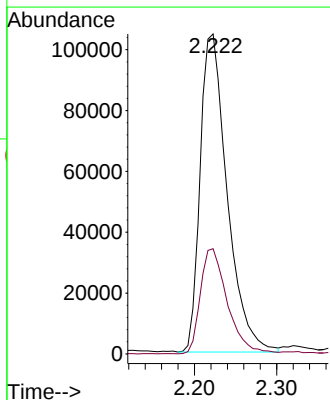
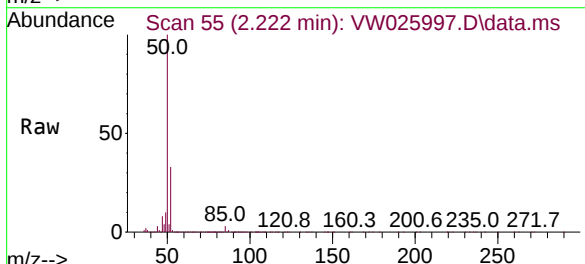
Instrument :
 MSVOA_W
 ClientSampleId :
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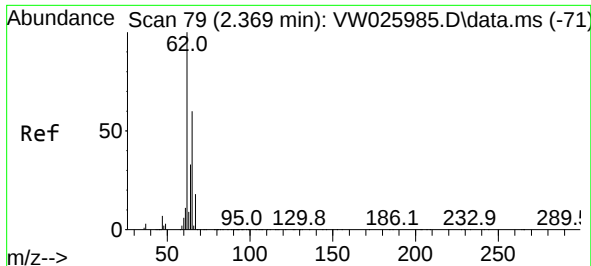
Tgt Ion: 85 Resp: 180512
 Ion Ratio Lower Upper
 85 100
 87 24.9 24.7 37.1



#3
 Chloromethane
 Concen: 24.247 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VW025997.D
 Acq: 19 May 2023 09:39

Tgt Ion: 50 Resp: 238612
 Ion Ratio Lower Upper
 50 100
 52 32.9 22.1 41.1

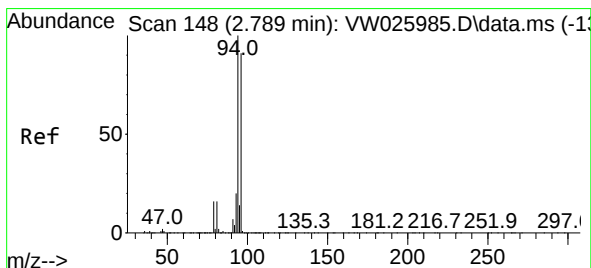
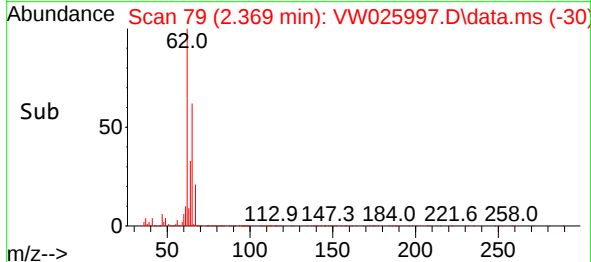
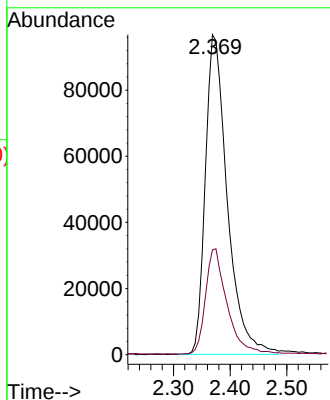
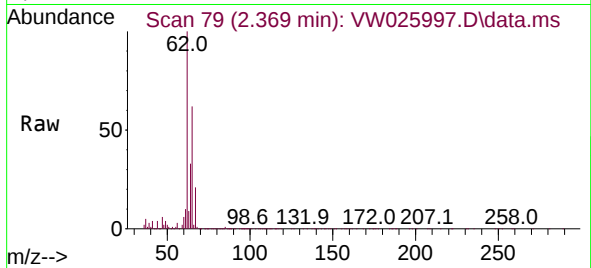




#5
 Vinyl chloride
 Concen: 25.566 ug/L
 RT: 2.369 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: VW025997.D
 Acq: 19 May 2023 09:39

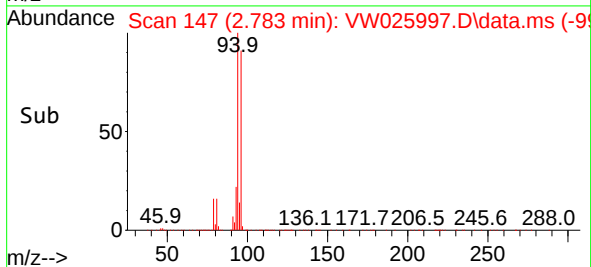
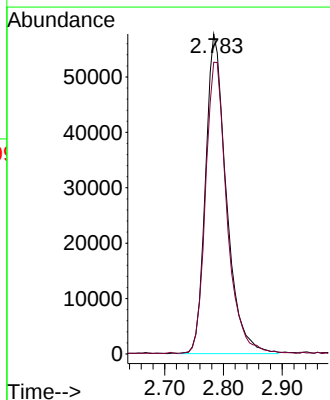
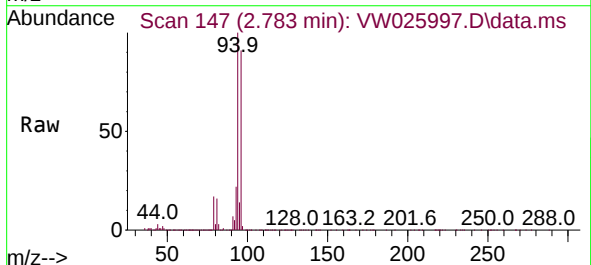
Instrument :
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 ClientSampleId :
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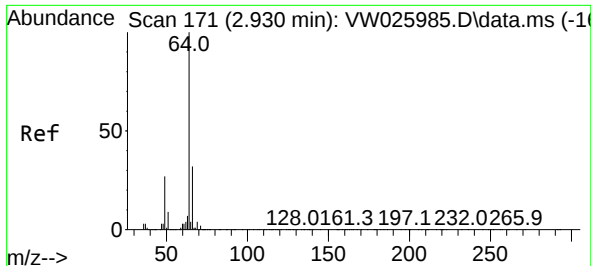
Tgt Ion: 62 Resp: 260411
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.7 42.3



#6
 Bromomethane
 Concen: 25.648 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.006 min
 Lab File: VW025997.D
 Acq: 19 May 2023 09:39

Tgt Ion: 94 Resp: 142092
 Ion Ratio Lower Upper
 94 100
 96 91.2 63.1 117.1

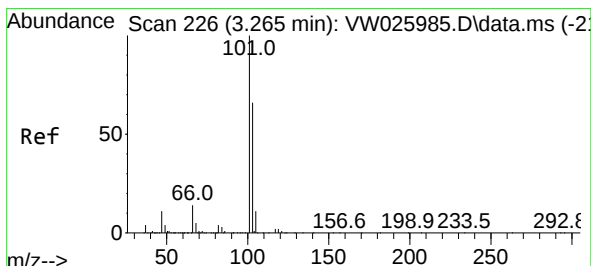
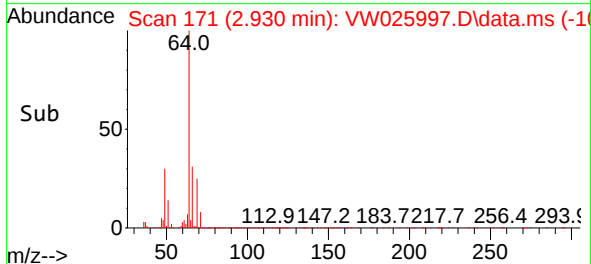
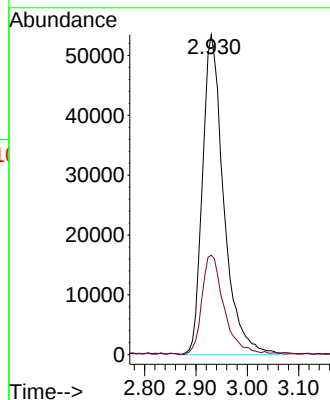
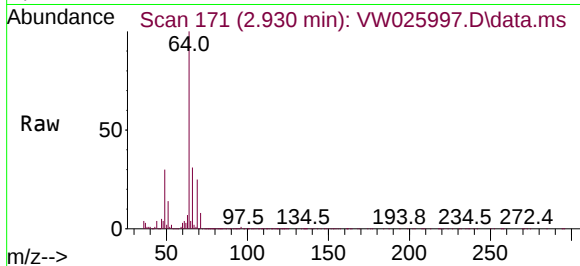




#8
Chloroethane
Concen: 26.544 ug/L
RT: 2.930 min Scan# 171
Delta R.T. 0.000 min
Lab File: VW025997.D
Acq: 19 May 2023 09:39

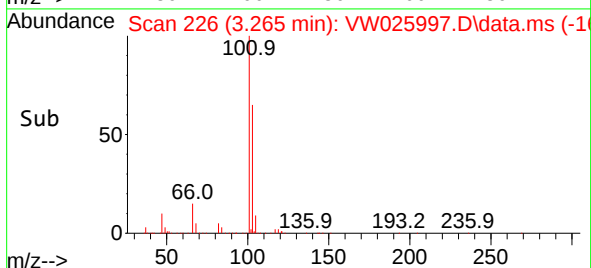
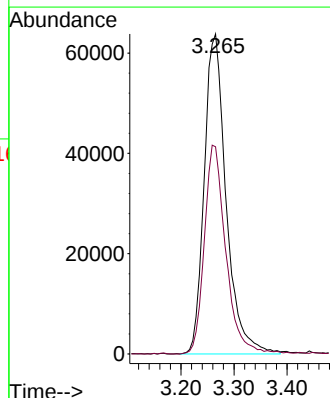
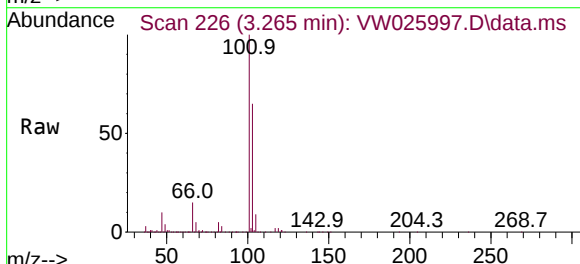
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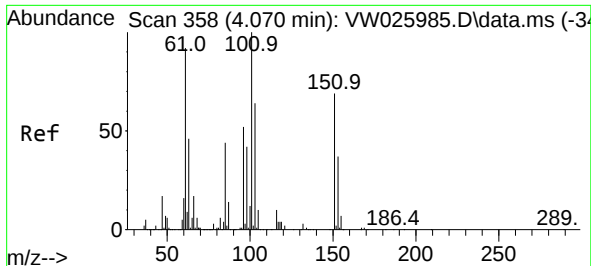
Tgt Ion: 64 Resp: 153741
Ion Ratio Lower Upper
64 100
66 31.1 22.3 41.3



#9
Trichlorofluoromethane
Concen: 23.828 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW025997.D
Acq: 19 May 2023 09:39

Tgt Ion: 101 Resp: 183172
Ion Ratio Lower Upper
101 100
103 63.4 50.6 76.0

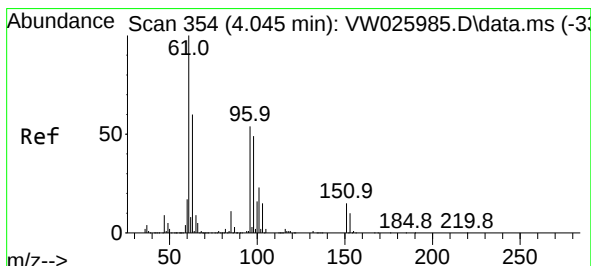
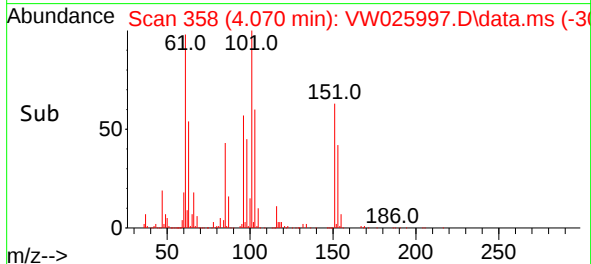
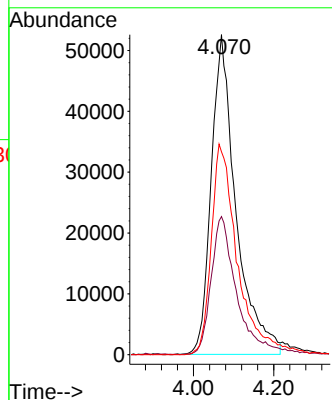
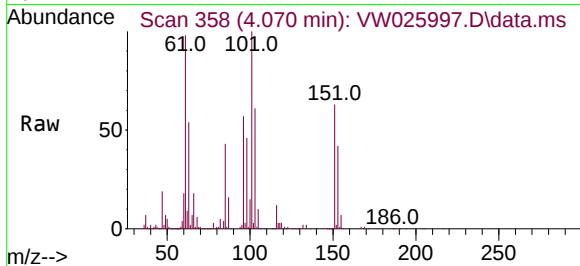




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 26.955 ug/L
 RT: 4.070 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: VW025997.D
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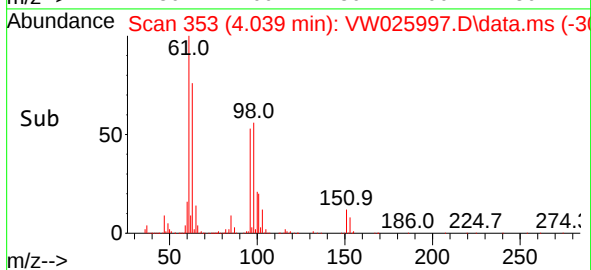
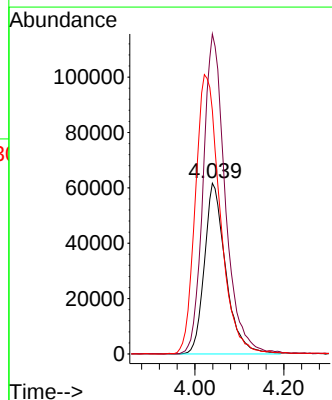
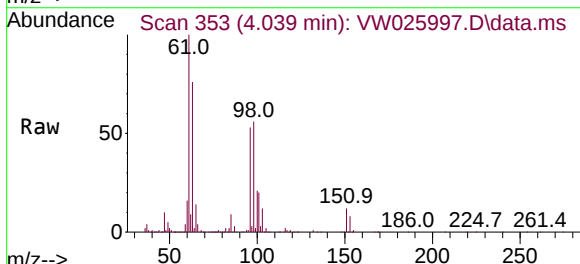
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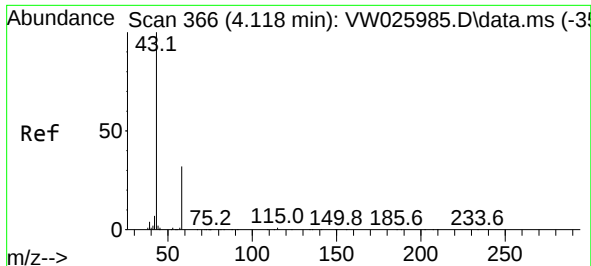
Tgt Ion:101 Resp: 225345
 Ion Ratio Lower Upper
 101 100
 85 42.6 33.9 50.9
 151 69.1 54.2 81.2



#12
 1,1-Dichloroethene
 Concen: 25.731 ug/L
 RT: 4.039 min Scan# 353
 Delta R.T. -0.006 min
 Lab File: VW025997.D
 Acq: 19 May 2023 09:39

Tgt Ion: 96 Resp: 205585
 Ion Ratio Lower Upper
 96 100
 61 187.4 135.0 250.8
 63 142.6 104.9 194.7





#13

Acetone

Concen: 43.866 ug/L

RT: 4.112 min Scan# 3

Delta R.T. -0.006 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

Instrument :

MSVOA_W

ClientSampleId :

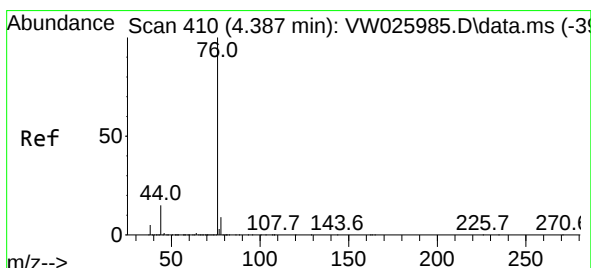
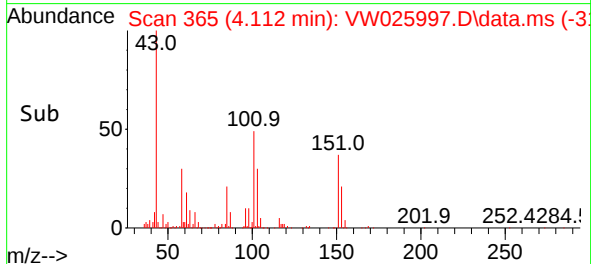
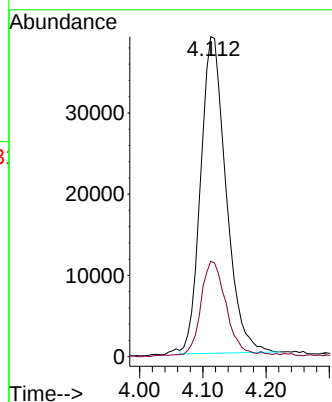
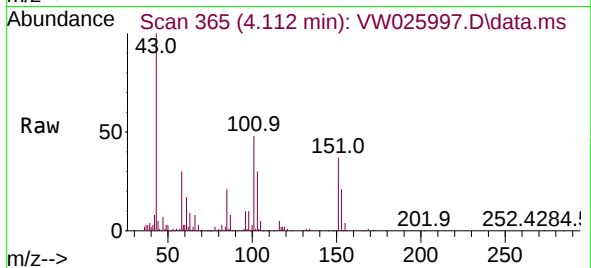
VSTD025493

Tgt Ion: 43 Resp: 108858

Ion Ratio Lower Upper

43 100

58 30.7 0.0 58.2



#14

Carbon disulfide

Concen: 23.220 ug/L

RT: 4.387 min Scan# 410

Delta R.T. 0.000 min

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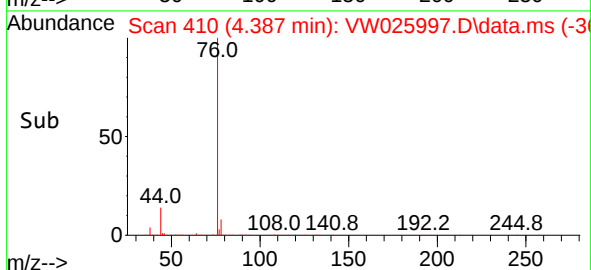
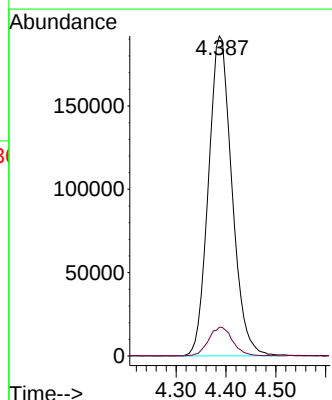
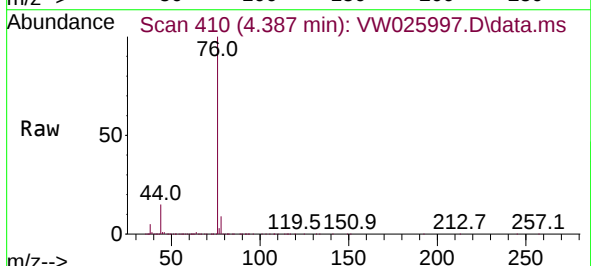
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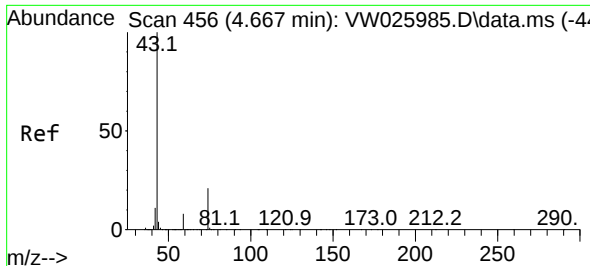
Tgt Ion: 76 Resp: 627402

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

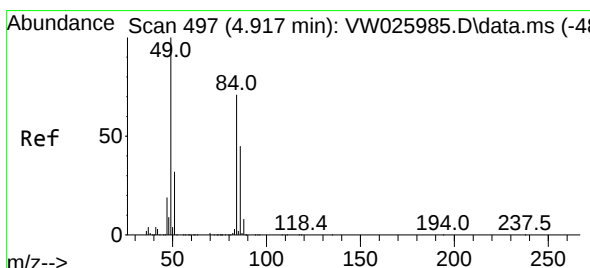
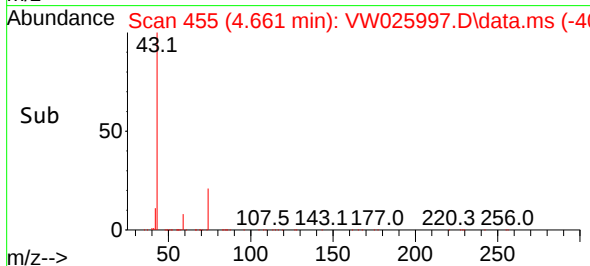
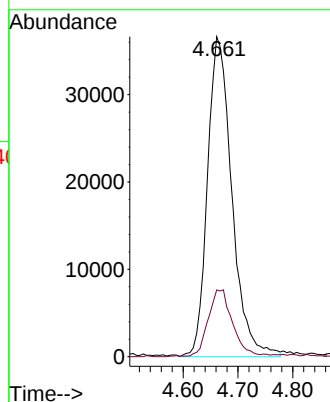
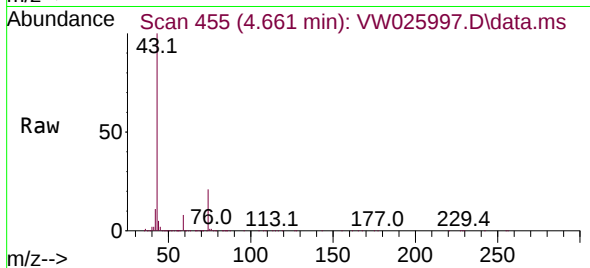




#15
Methyl Acetate
Concen: 23.143 ug/L
RT: 4.661 min Scan# 411
Delta R.T. -0.006 min
Lab File: VW025997.D
Acq: 19 May 2023 09:39

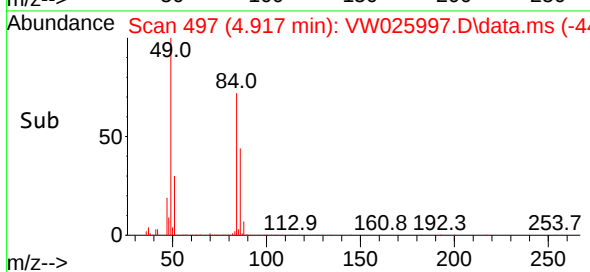
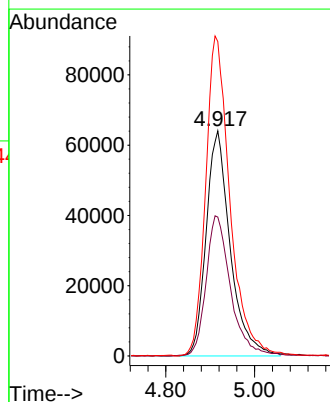
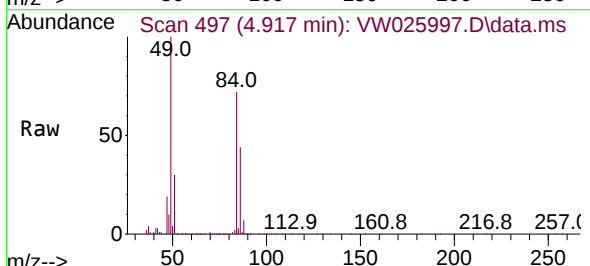
Instrument :
MSVOA_W
ClientSampleId :
VSTD025493

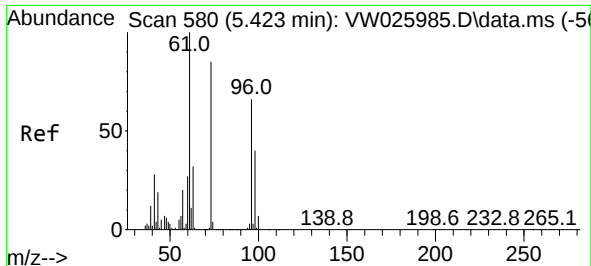
Tgt Ion: 43 Resp: 113174
Ion Ratio Lower Upper
43 100
74 20.4 16.5 24.7



#16
Methylene chloride
Concen: 19.585 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW025997.D
Acq: 19 May 2023 09:39

Tgt Ion: 84 Resp: 241290
Ion Ratio Lower Upper
84 100
86 61.7 41.7 77.5
49 139.7 95.3 177.1

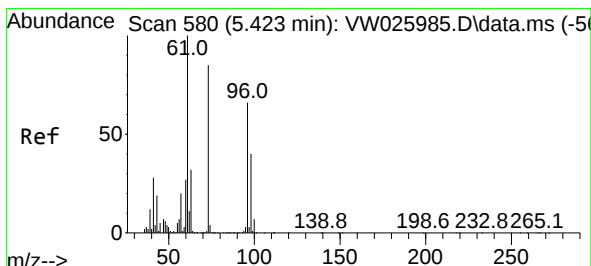
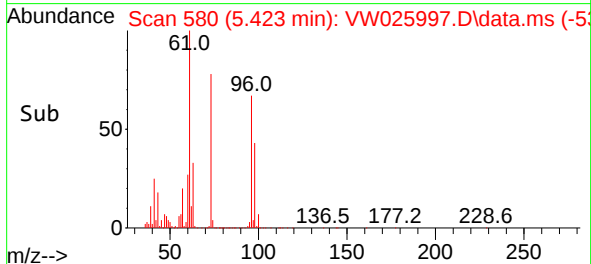
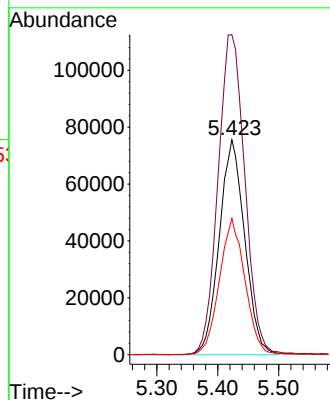
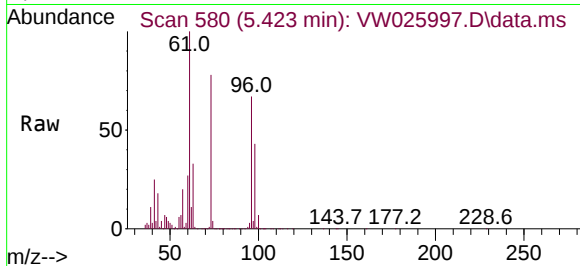




#17
trans-1,2-Dichloroethene
Concen: 25.154 ug/L
RT: 5.423 min Scan# 517
Delta R.T. 0.000 min
Lab File: VW025997.D
Acq: 19 May 2023 09:39

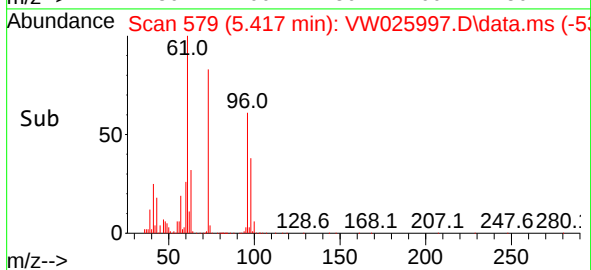
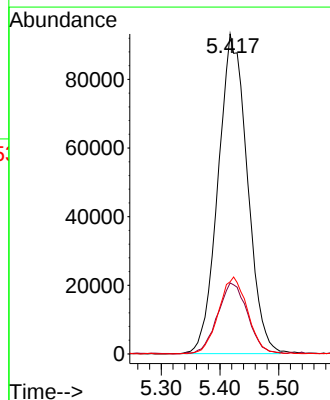
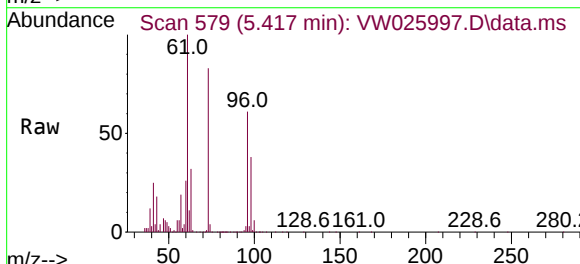
Instrument :
MSVOA_W
ClientSampleId :
VSTD025493

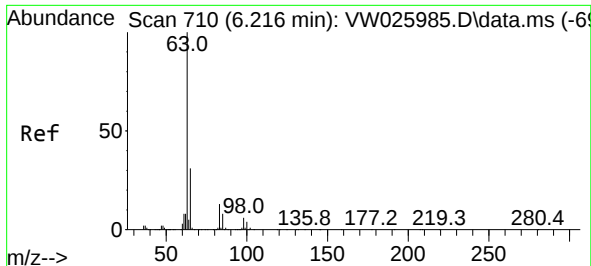
Tgt Ion: 96 Resp: 219247
Ion Ratio Lower Upper
96 100
61 148.9 108.1 200.9
98 63.4 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 24.288 ug/L
RT: 5.417 min Scan# 579
Delta R.T. -0.006 min
Lab File: VW025997.D
Acq: 19 May 2023 09:39

Tgt Ion: 73 Resp: 321309
Ion Ratio Lower Upper
73 100
43 22.4 18.2 27.4
57 23.9 19.2 28.8





#19

1,1-Dichloroethane

Concen: 26.338 ug/L

RT: 6.210 min Scan# 710

Delta R.T. -0.006 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025493

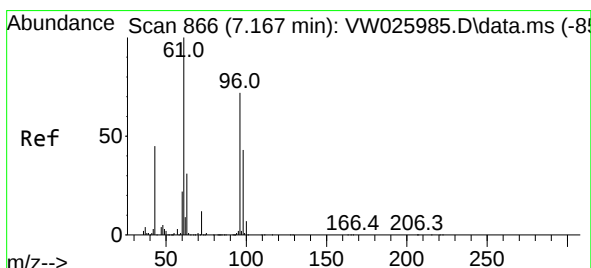
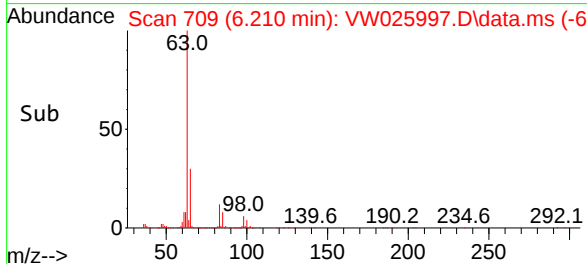
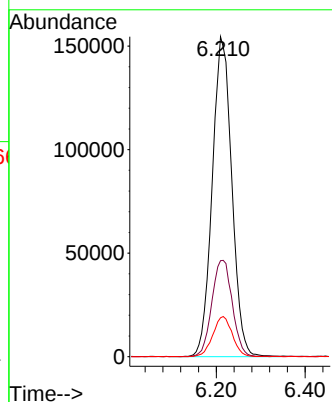
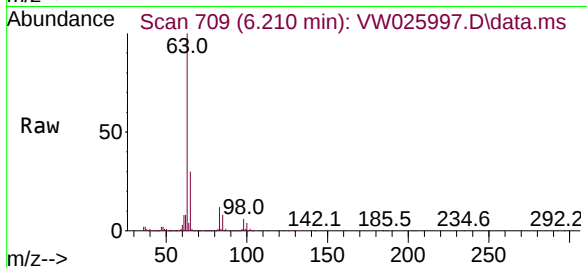
Tgt Ion: 63 Resp: 471653

Ion Ratio Lower Upper

63 100

65 30.0 22.4 41.6

83 12.2 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 25.496 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

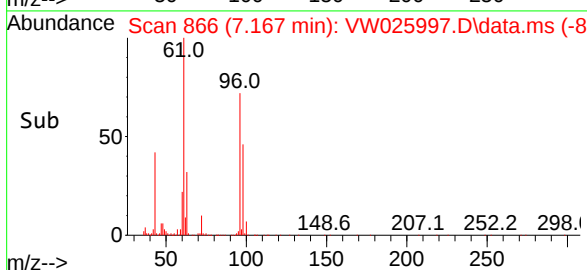
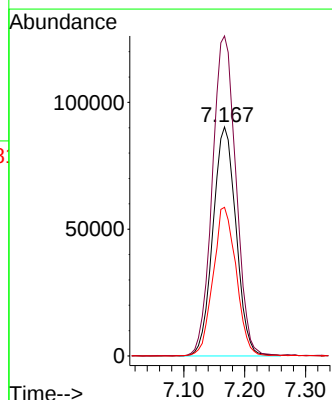
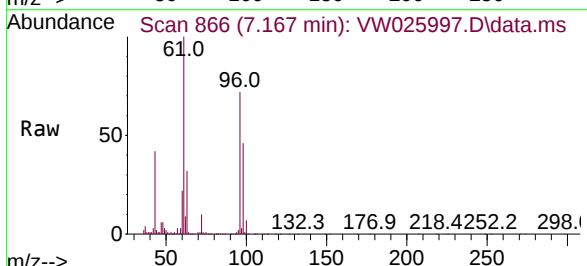
Tgt Ion: 96 Resp: 238416

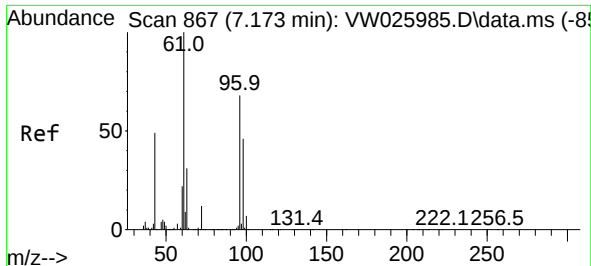
Ion Ratio Lower Upper

96 100

61 139.7 98.6 183.0

98 64.9 45.2 84.0

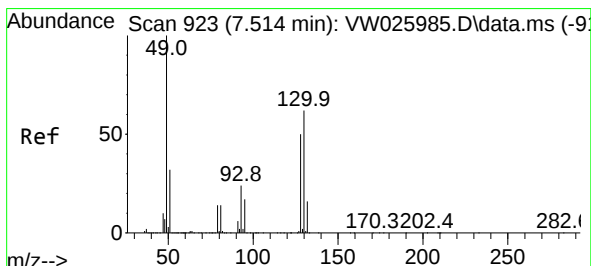
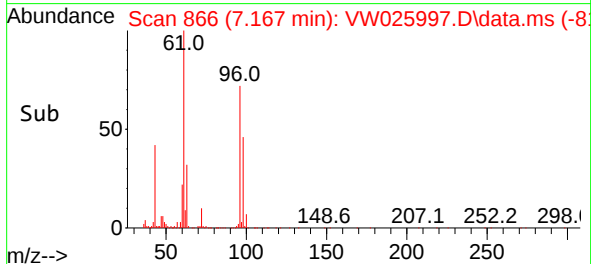
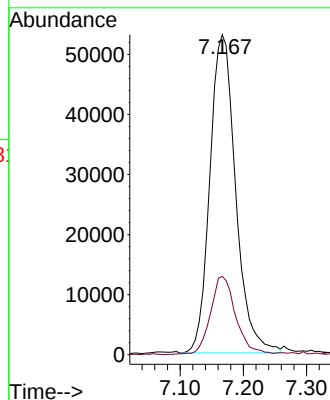
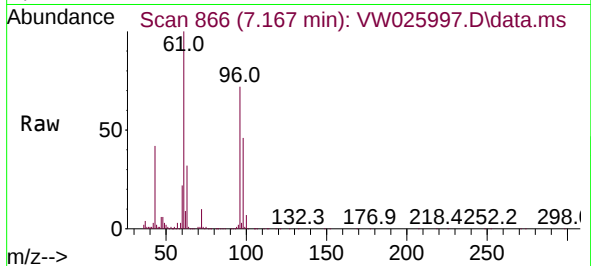




#22
2-Butanone
Concen: 43.735 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW025997.D
Acq: 19 May 2023 09:39

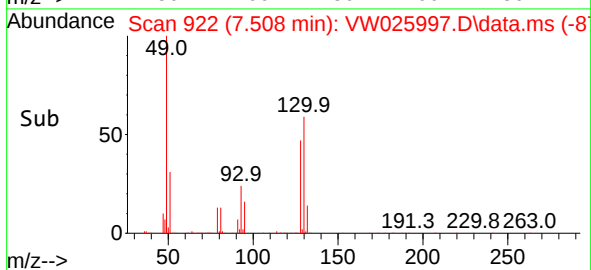
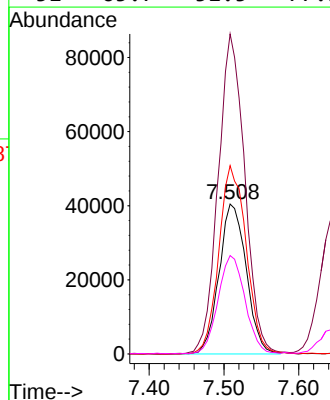
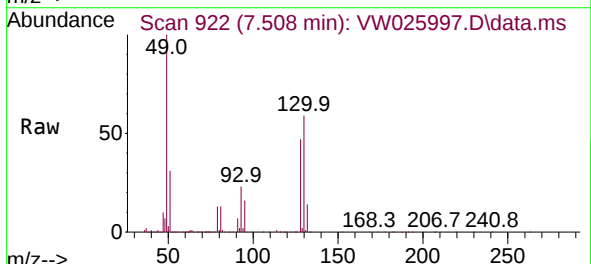
Instrument :
MSVOA_W
ClientSampleId :
VSTD025493

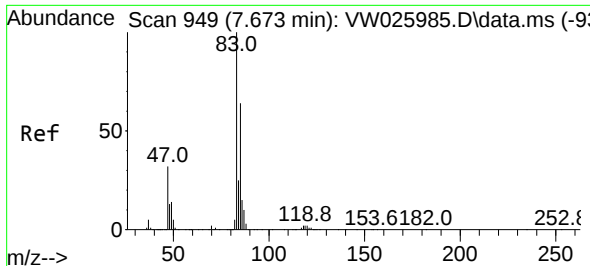
Tgt Ion: 43 Resp: 149861
Ion Ratio Lower Upper
43 100
72 24.3 11.8 35.4



#23
Bromochloromethane
Concen: 25.799 ug/L
RT: 7.508 min Scan# 922
Delta R.T. -0.006 min
Lab File: VW025997.D
Acq: 19 May 2023 09:39

Tgt Ion: 128 Resp: 102205
Ion Ratio Lower Upper
128 100
49 213.4 151.5 281.5
130 125.6 91.3 169.6
51 65.7 51.5 77.3

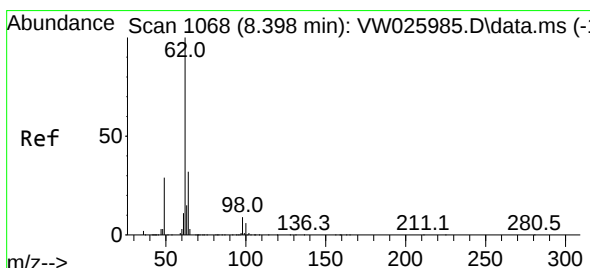
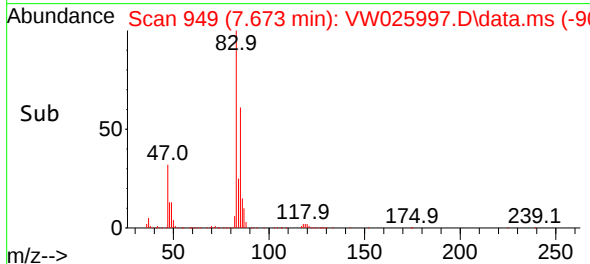
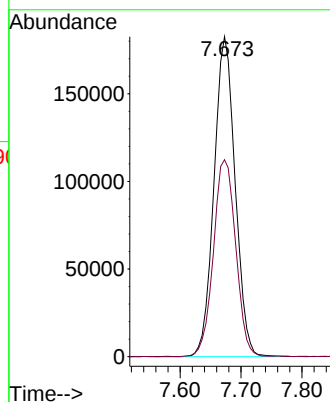
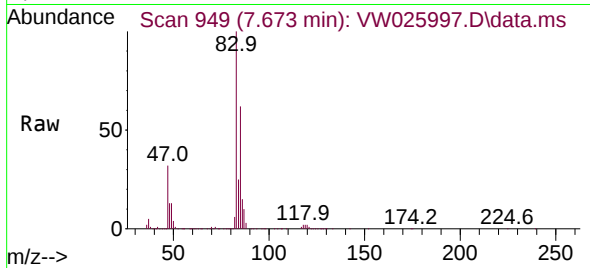




#25
Chloroform
Concen: 26.734 ug/L
RT: 7.673 min Scan# 949
Delta R.T. 0.000 min
Lab File: VW025997.D
Acq: 19 May 2023 09:39

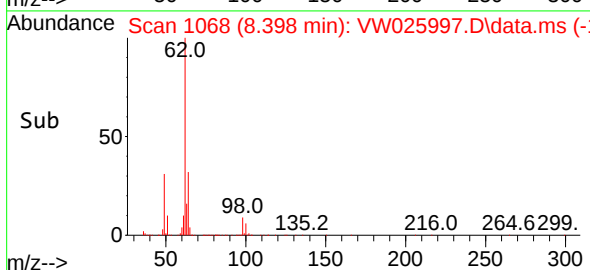
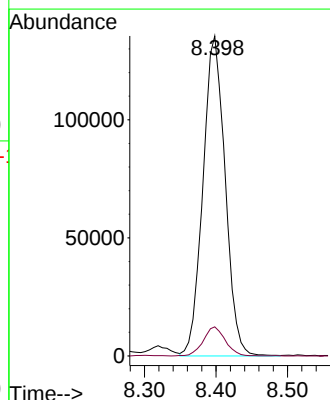
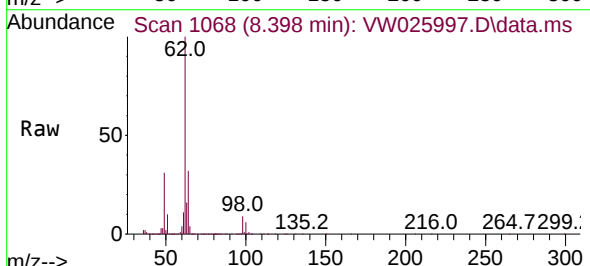
Instrument :
MSVOA_W
ClientSampleId :
VSTD025493

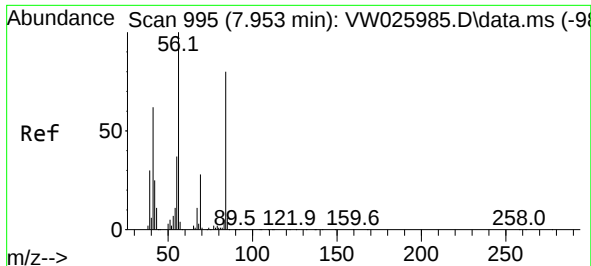
Tgt Ion: 83 Resp: 440010
Ion Ratio Lower Upper
83 100
85 61.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 25.024 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW025997.D
Acq: 19 May 2023 09:39

Tgt Ion: 62 Resp: 292509
Ion Ratio Lower Upper
62 100
98 9.1 7.2 10.8





#29

Cyclohexane

Concen: 24.917 ug/L

RT: 7.959 min Scan# 995

Delta R.T. 0.006 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025493

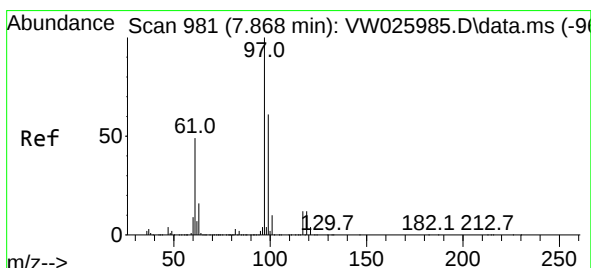
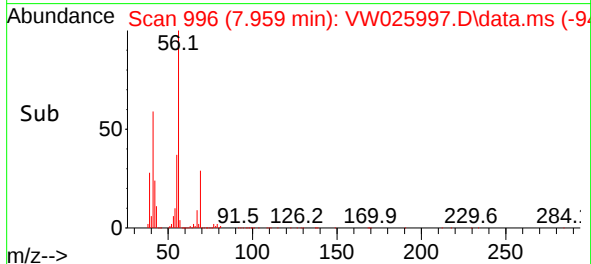
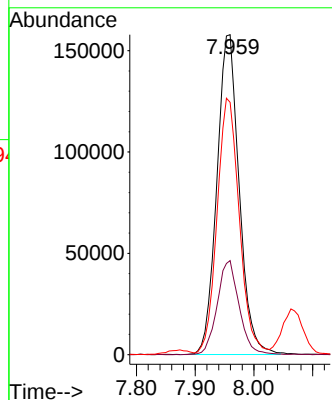
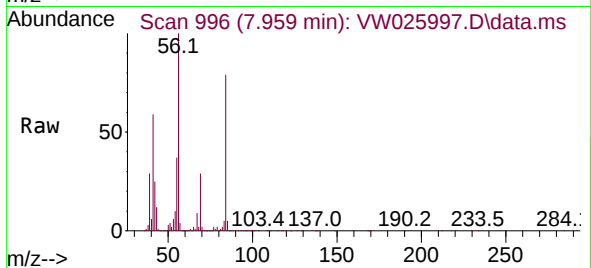
Tgt Ion: 56 Resp: 416759

Ion Ratio Lower Upper

56 100

69 28.9 23.4 35.0

84 80.2 63.3 94.9



#30

1,1,1-Trichloroethane

Concen: 26.581 ug/L

RT: 7.868 min Scan# 981

Delta R.T. 0.000 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

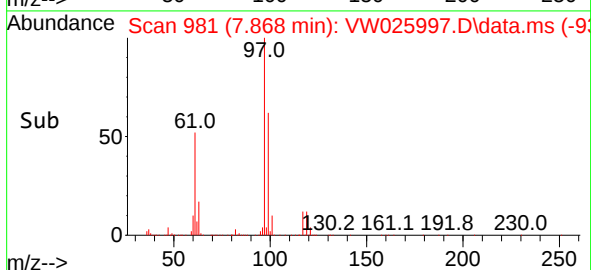
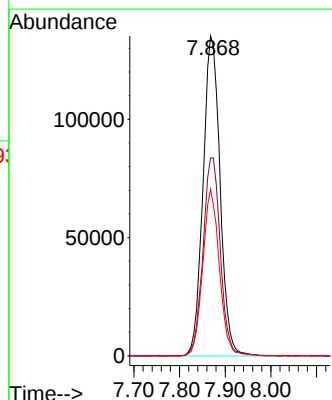
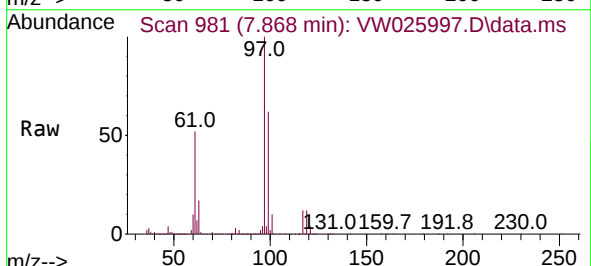
Tgt Ion: 97 Resp: 350851

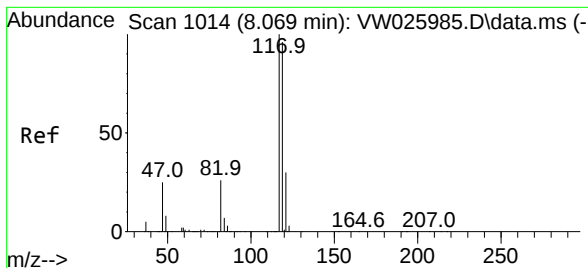
Ion Ratio Lower Upper

97 100

99 63.1 51.1 76.7

61 50.4 40.4 60.6





#31

Carbon tetrachloride

Concen: 26.116 ug/L

RT: 8.063 min Scan# 1013

Delta R.T. -0.006 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

Instrument :

MSVOA_W

ClientSampleId :

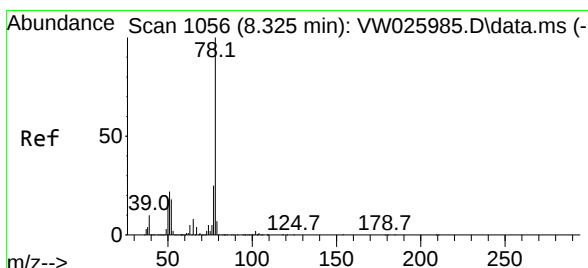
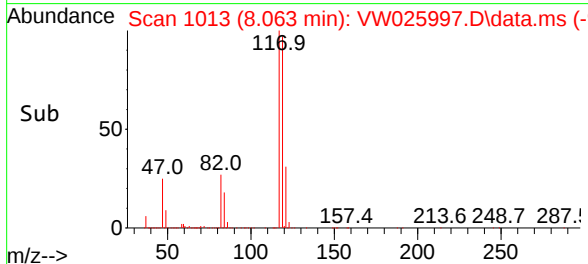
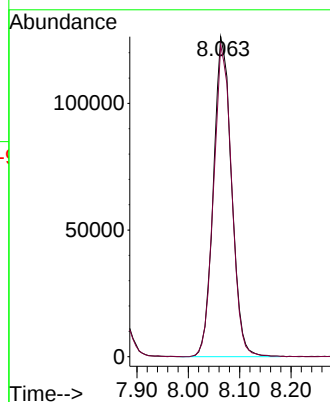
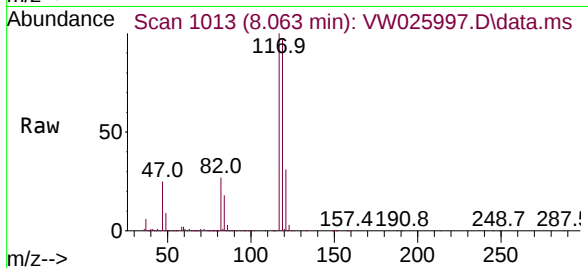
VSTD025493

Tgt Ion:117 Resp: 310231

Ion Ratio Lower Upper

117 100

119 96.9 76.9 115.3



#33

Benzene

Concen: 26.163 ug/L

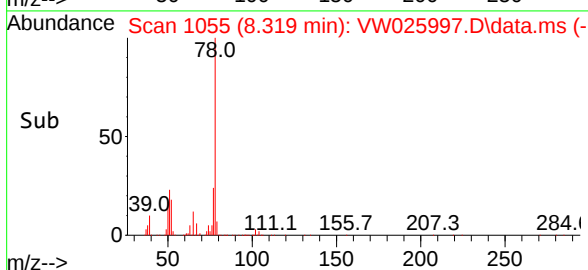
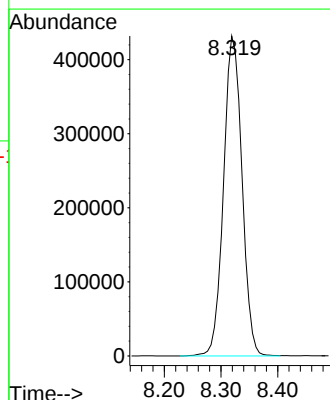
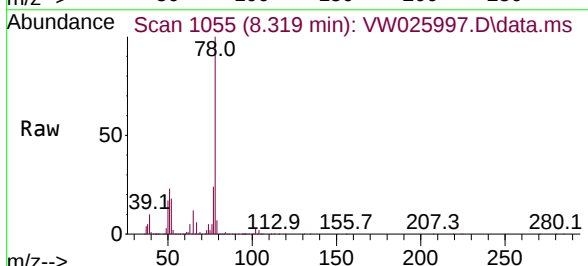
RT: 8.319 min Scan# 1055

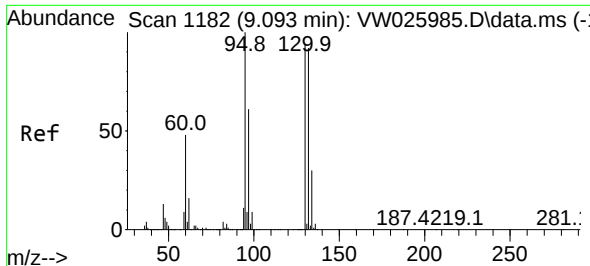
Delta R.T. -0.006 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

Tgt Ion: 78 Resp: 976961





#34

Trichloroethene

Concen: 25.461 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025493

Tgt Ion: 95 Resp: 243964

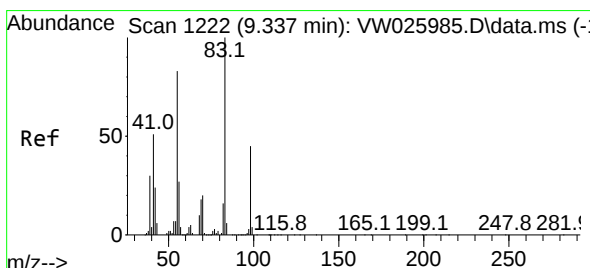
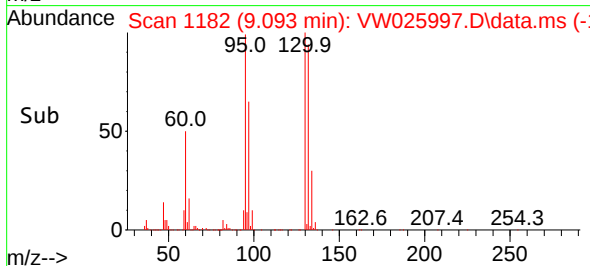
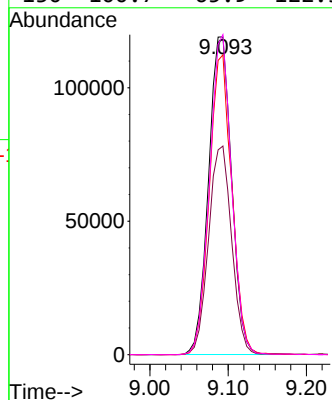
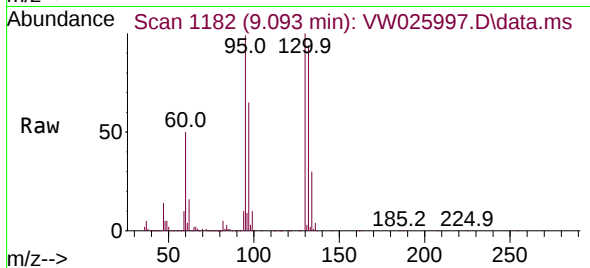
Ion Ratio Lower Upper

95 100

97 65.7 45.9 85.3

132 94.4 66.0 122.6

130 100.7 65.9 122.3



#35

Methylcyclohexane

Concen: 25.204 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

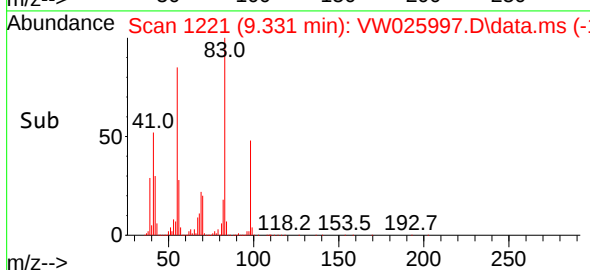
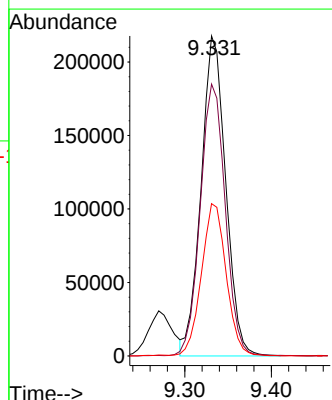
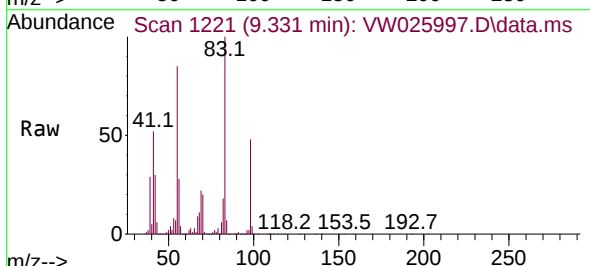
Tgt Ion: 83 Resp: 429538

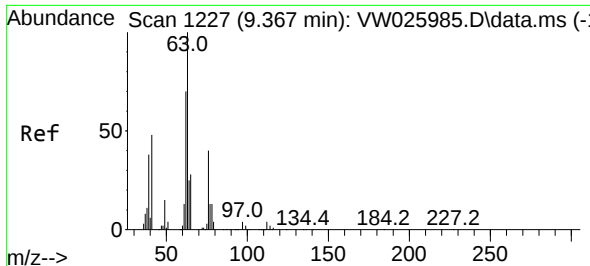
Ion Ratio Lower Upper

83 100

55 86.6 69.0 103.4

98 48.0 37.1 55.7





#37

1,2-Dichloropropane

Concen: 26.355 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

Instrument :

MSVOA_W

ClientSampleId :

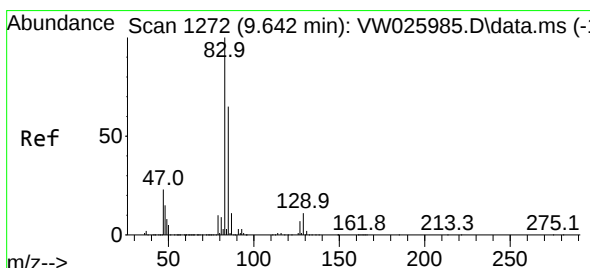
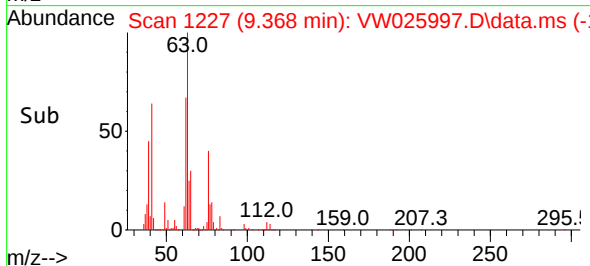
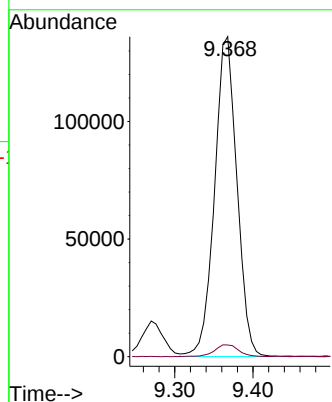
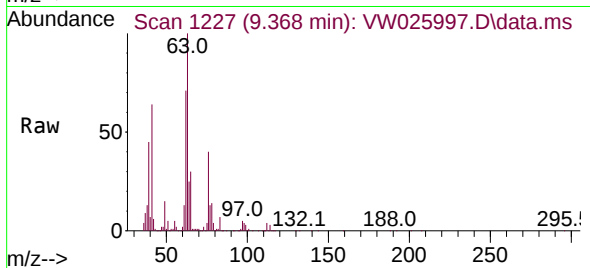
VSTD025493

Tgt Ion: 63 Resp: 269628

Ion Ratio Lower Upper

63 100

112 3.9 3.3 4.9



#38

Bromodichloromethane

Concen: 26.328 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

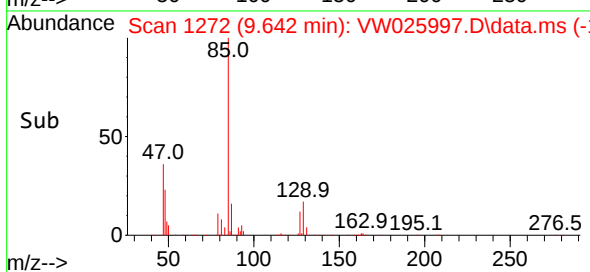
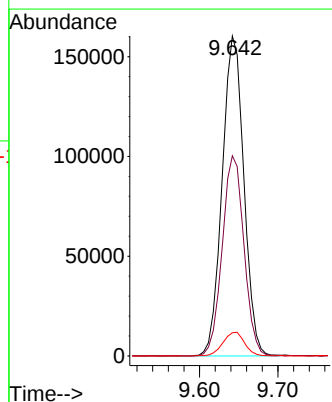
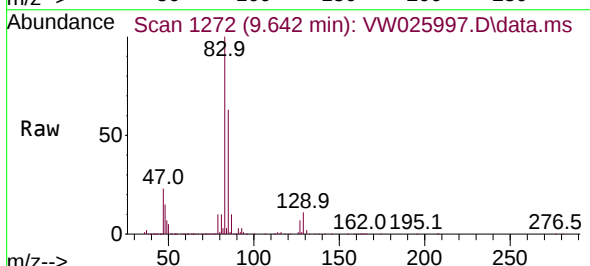
Tgt Ion: 83 Resp: 309011

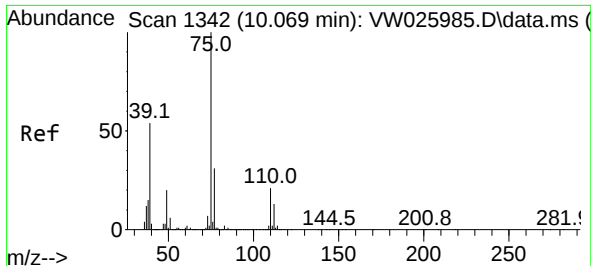
Ion Ratio Lower Upper

83 100

85 62.6 44.4 82.5

127 7.3 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 25.068 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

Instrument :

MSVOA_W

ClientSampleId :

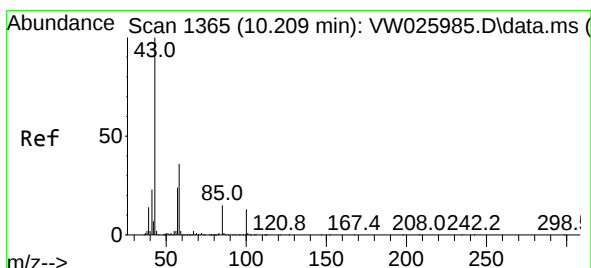
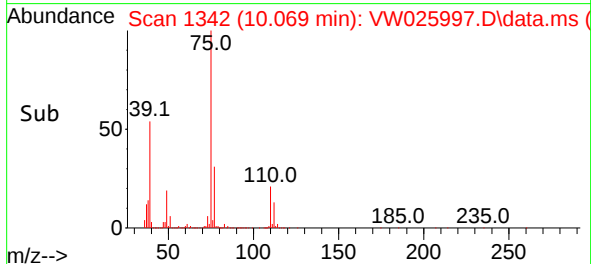
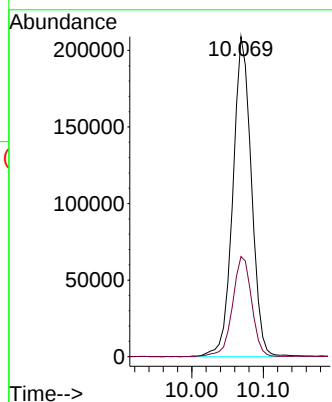
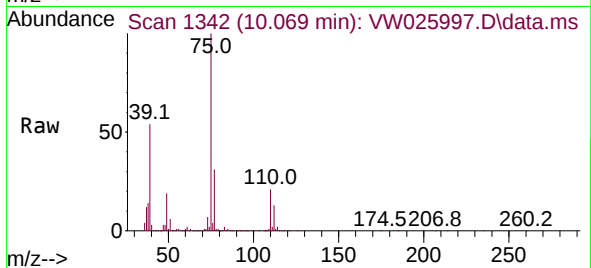
VSTD025493

Tgt Ion: 75 Resp: 376085

Ion Ratio Lower Upper

75 100

77 31.3 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 47.267 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

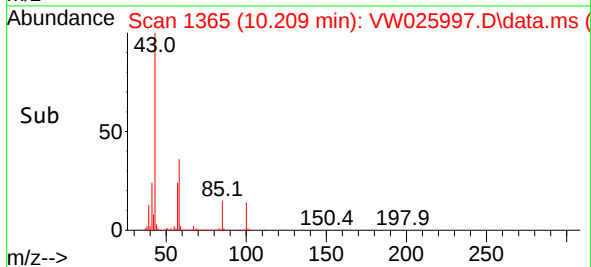
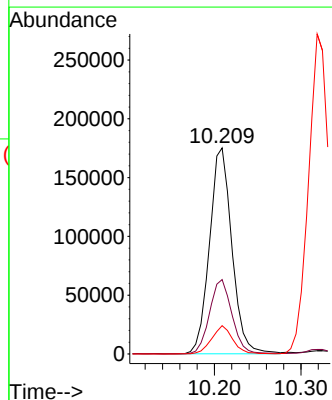
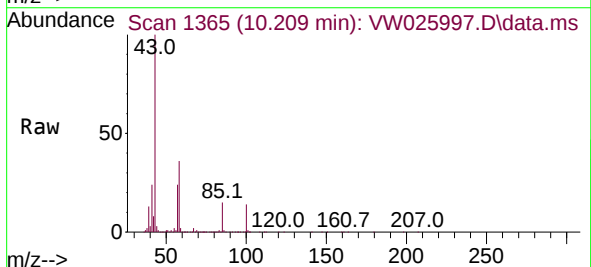
Tgt Ion: 43 Resp: 314753

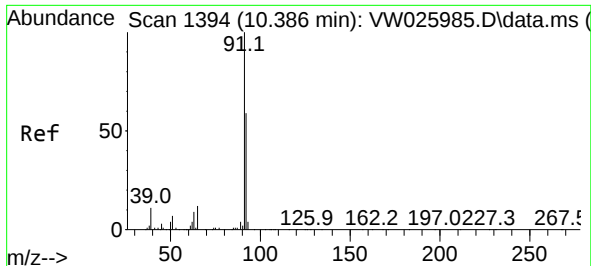
Ion Ratio Lower Upper

43 100

58 36.3 29.4 44.0

100 12.6 10.1 15.1





#42

Toluene

Concen: 26.647 ug/L

RT: 10.386 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

Instrument :

MSVOA_W

ClientSampleId :

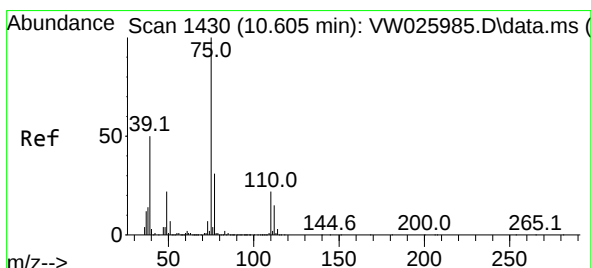
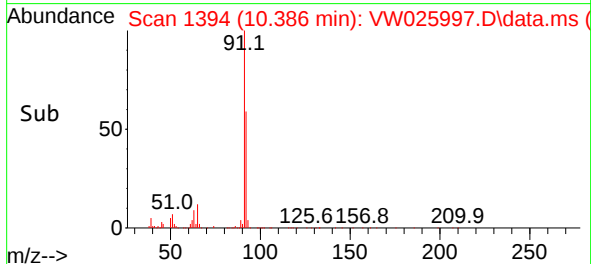
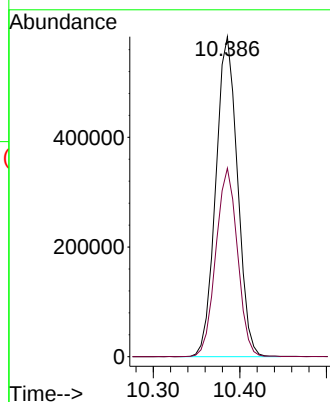
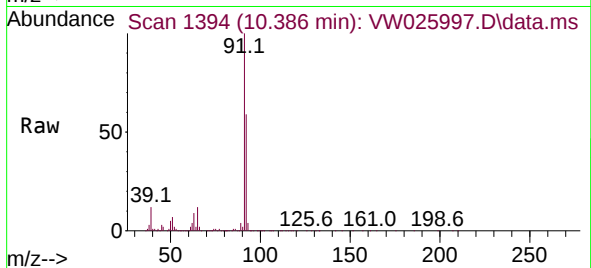
VSTD025493

Tgt Ion: 91 Resp: 1016686

Ion Ratio Lower Upper

91 100

92 58.9 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 25.648 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW025997.D

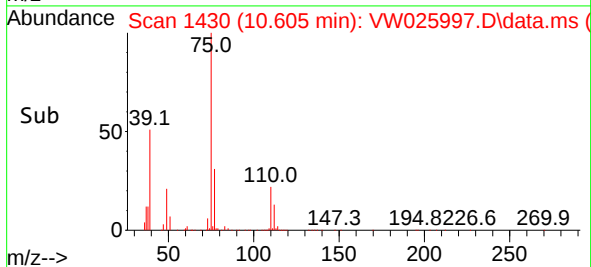
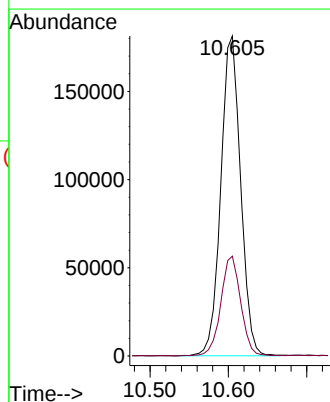
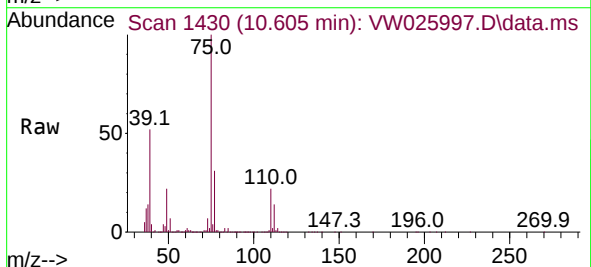
Acq: 19 May 2023 09:39

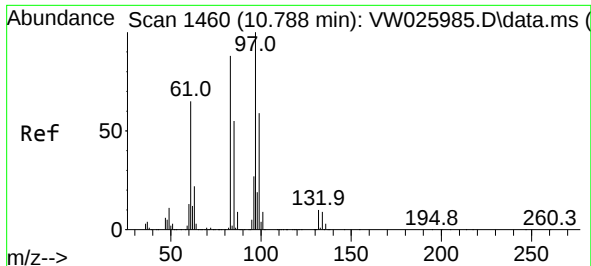
Tgt Ion: 75 Resp: 318838

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.4

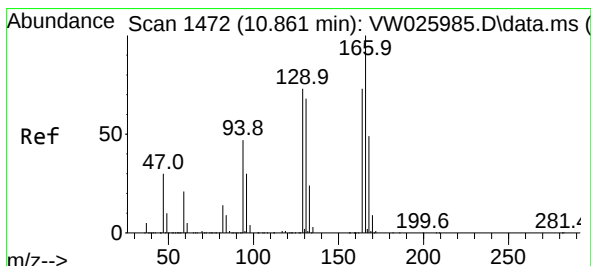
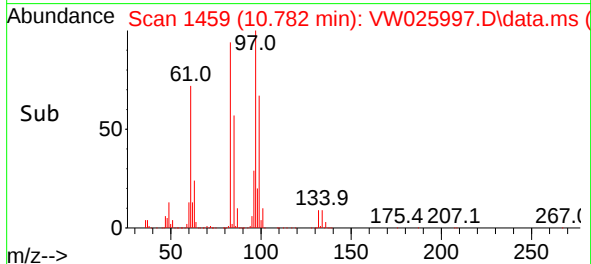
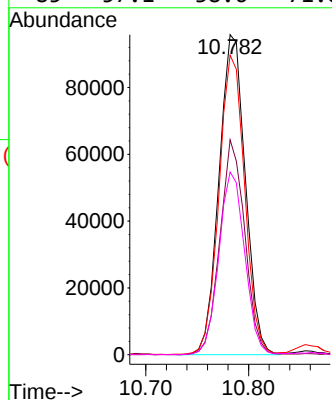
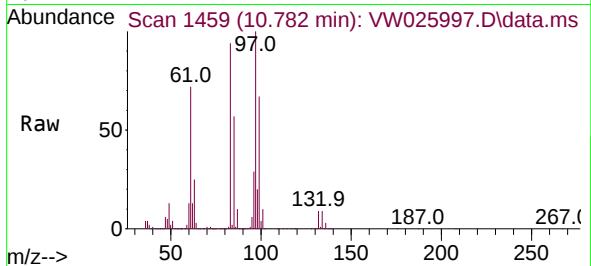




#45
1,1,2-Trichloroethane
Concen: 24.893 ug/L
RT: 10.782 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VW025997.D
Acq: 19 May 2023 09:39

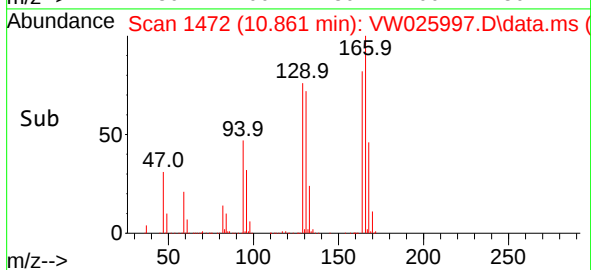
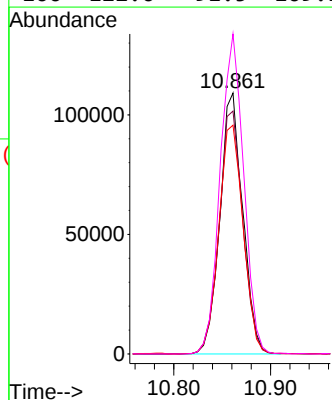
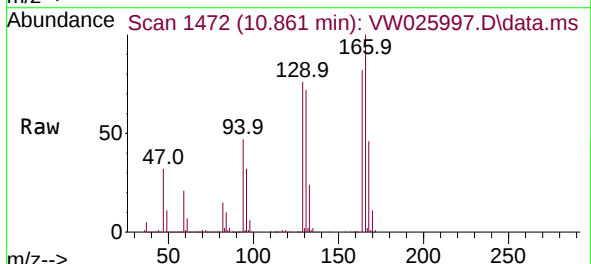
Instrument :
MSVOA_W
ClientSampleId :
VSTD025493

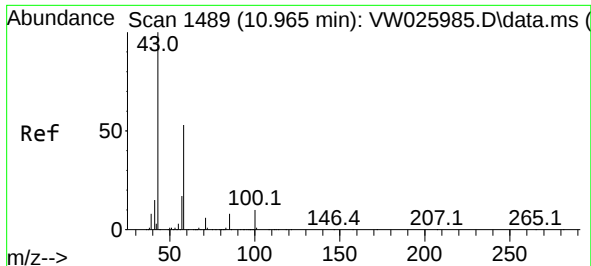
Tgt Ion: 97	Resp: 170358
Ion Ratio	Lower Upper
97 100	
99 67.2	44.5 82.7
83 93.6	63.0 117.0
85 57.1	38.6 71.8



#46
Tetrachloroethene
Concen: 26.574 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW025997.D
Acq: 19 May 2023 09:39

Tgt	Ion:164	Resp:	179134
Ion	Ratio	Lower	Upper
164	100		
129	93.1	74.3	138.1
131	87.7	71.3	132.3
166	122.6	91.5	169.9

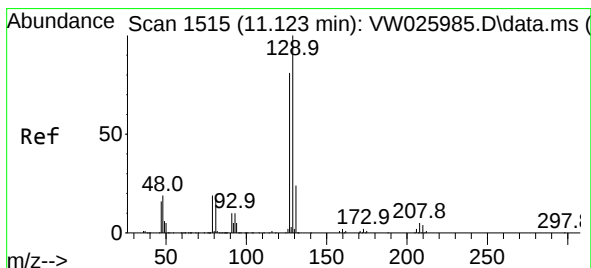
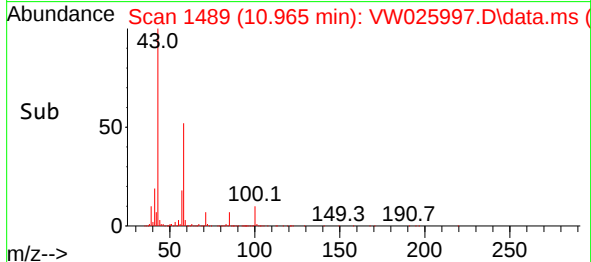
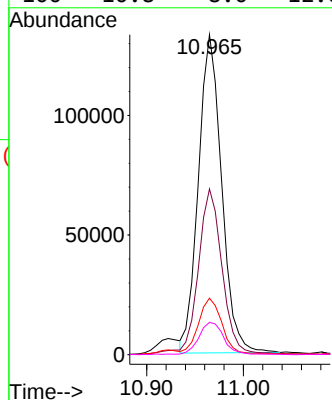
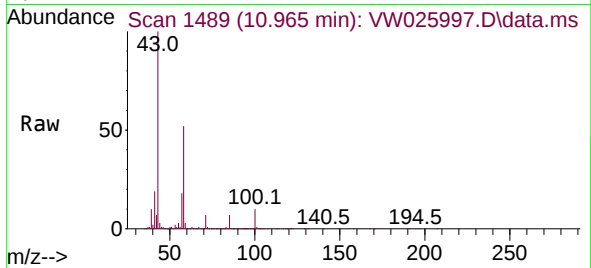




#48
2-Hexanone
Concen: 46.694 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW025997.D
Acq: 19 May 2023 09:39

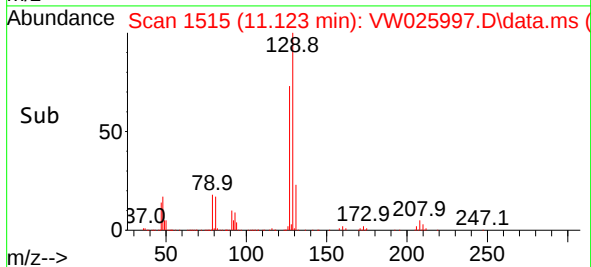
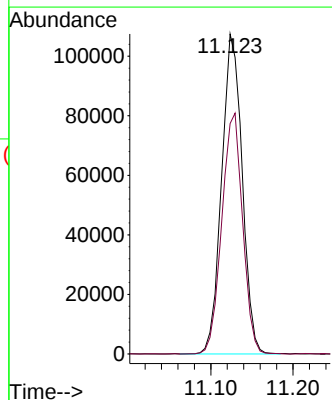
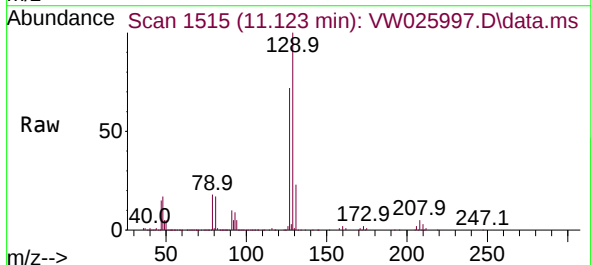
Instrument :
MSVOA_W
ClientSampleId :
VSTD025493

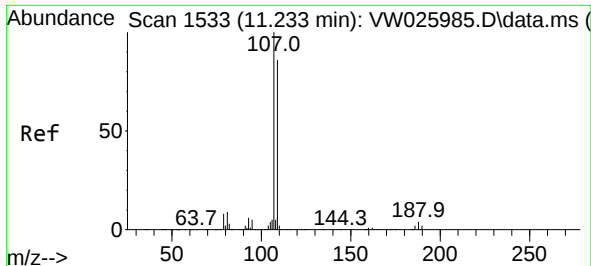
Tgt Ion:	43	Resp:	222753
Ion	Ratio	Lower	Upper
43	100		
58	52.6	40.8	61.2
57	17.8	13.6	20.4
100	10.8	8.0	12.0



#49
Dibromochloromethane
Concen: 26.354 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VW025997.D
Acq: 19 May 2023 09:39

Tgt Ion:	129	Resp:	186717
Ion	Ratio	Lower	Upper
129	100		
127	72.0	56.1	104.3





#50

1,2-Dibromoethane

Concen: 24.433 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025493

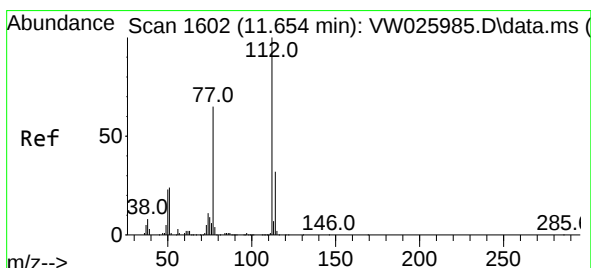
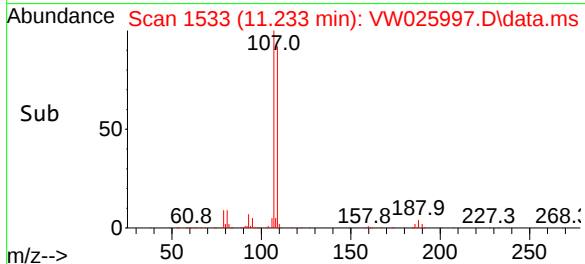
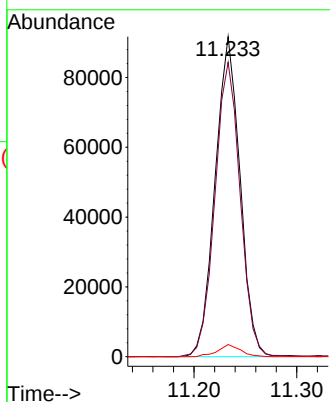
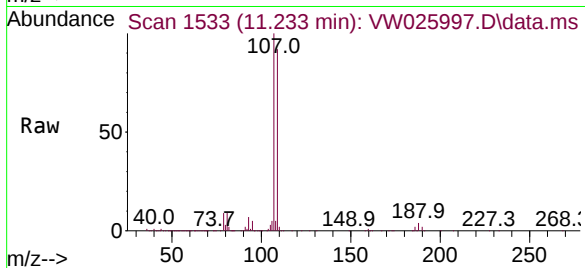
Tgt Ion:107 Resp: 154144

Ion Ratio Lower Upper

107 100

109 92.0 67.5 125.4

188 3.8 2.6 4.0



#51

Chlorobenzene

Concen: 26.164 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

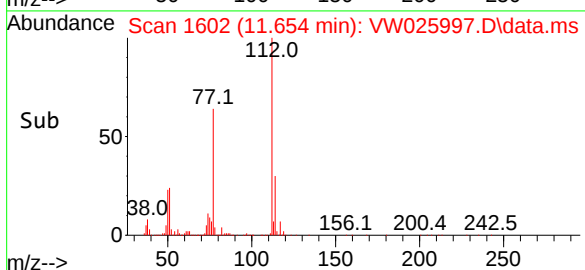
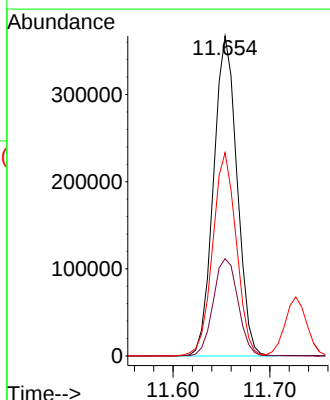
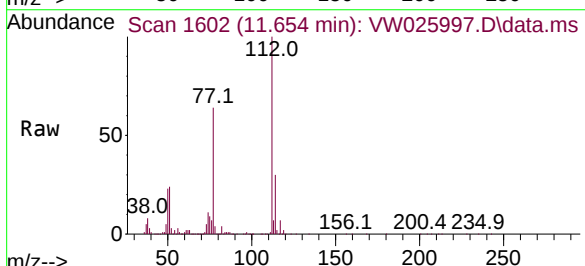
Tgt Ion:112 Resp: 618424

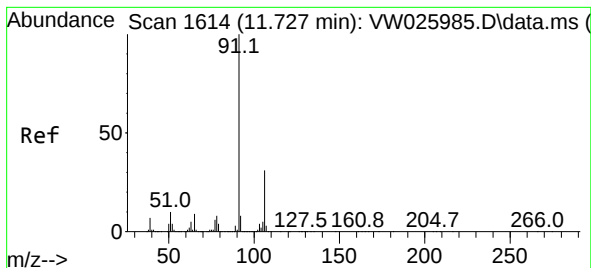
Ion Ratio Lower Upper

112 100

114 30.4 22.7 42.3

77 63.6 53.0 79.6

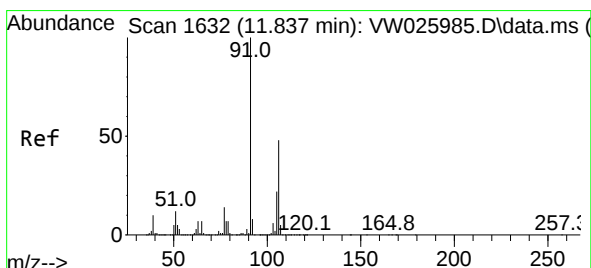
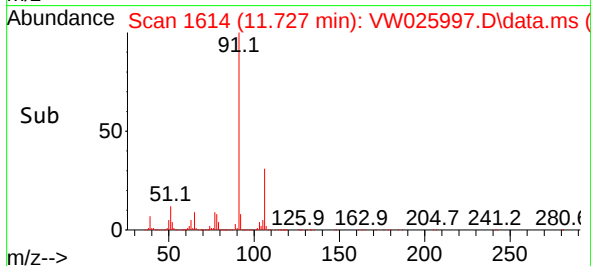
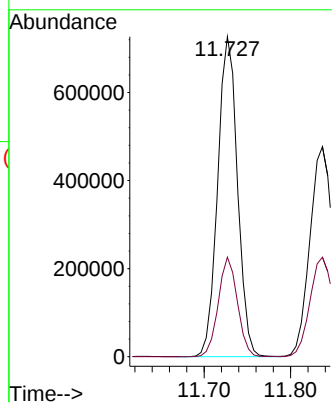
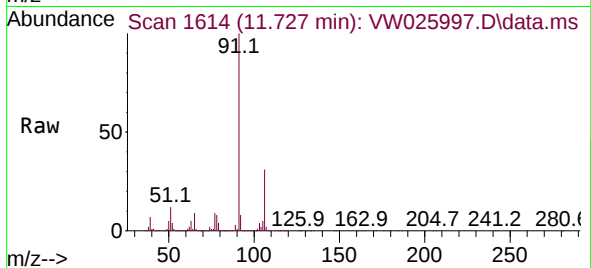




#52
Ethylbenzene
Concen: 26.879 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW025997.D
Acq: 19 May 2023 09:39

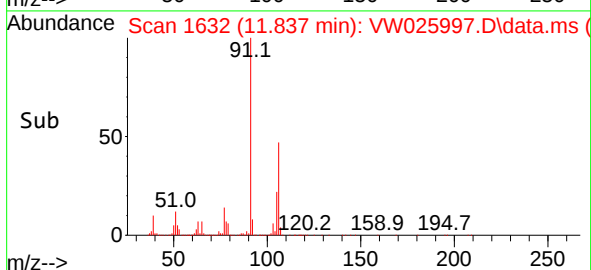
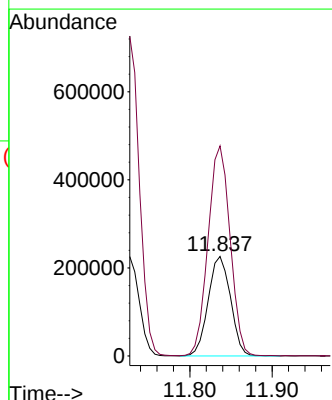
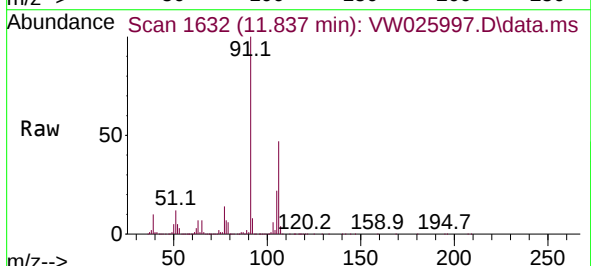
Instrument :
MSVOA_W
ClientSampleId :
VSTD025493

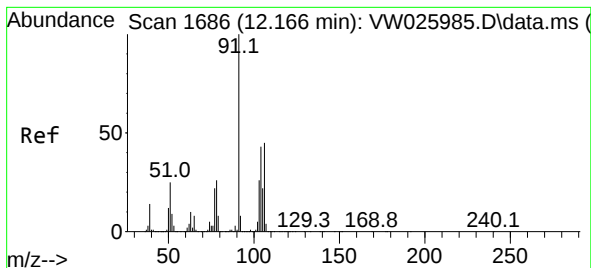
Tgt Ion: 91 Resp: 1153597
Ion Ratio Lower Upper
91 100
106 31.1 20.8 38.6



#53
m,p-Xylene
Concen: 26.960 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW025997.D
Acq: 19 May 2023 09:39

Tgt Ion: 106 Resp: 425859
Ion Ratio Lower Upper
106 100
91 211.0 150.1 278.9





#54

o-Xylene

Concen: 26.924 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

Instrument :

MSVOA_W

ClientSampleId :

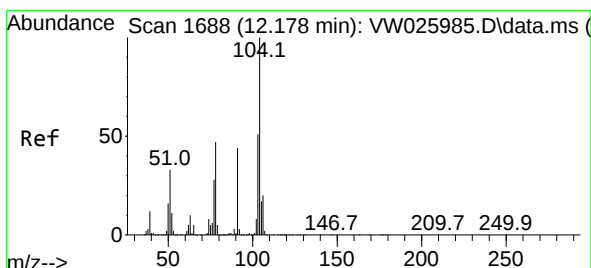
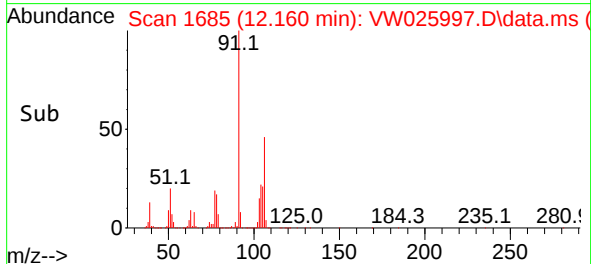
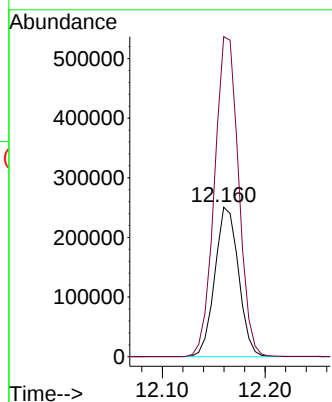
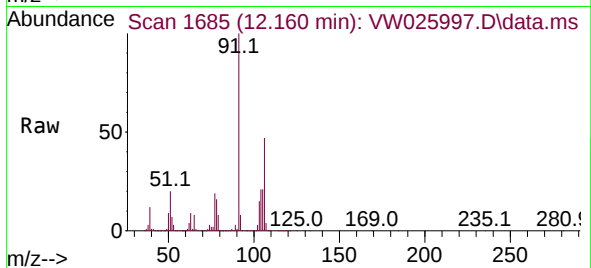
VSTD025493

Tgt Ion:106 Resp: 400870

Ion Ratio Lower Upper

106 100

91 214.2 157.8 293.1



#55

Styrene

Concen: 27.451 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW025997.D

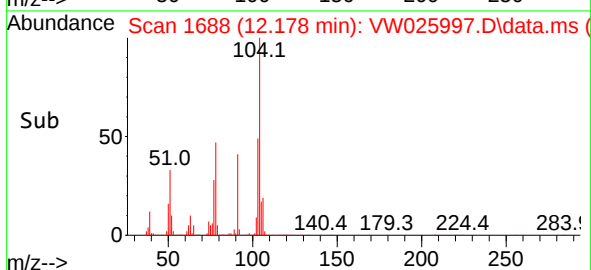
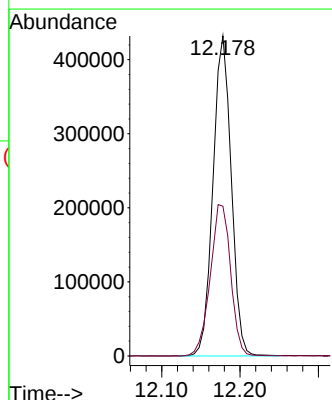
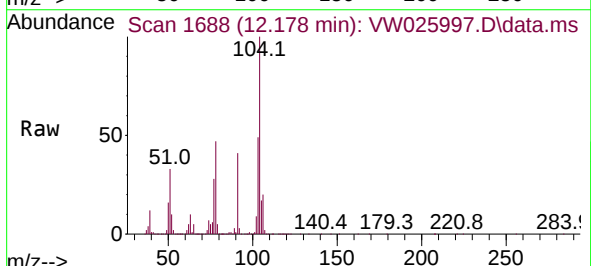
Acq: 19 May 2023 09:39

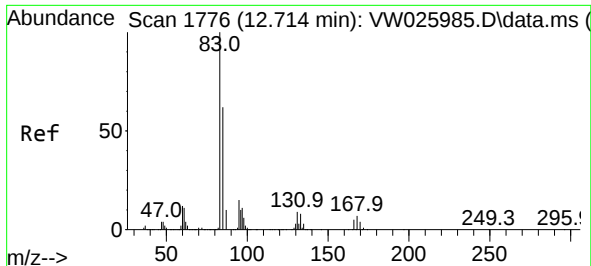
Tgt Ion:104 Resp: 699538

Ion Ratio Lower Upper

104 100

78 46.8 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 24.709 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025493

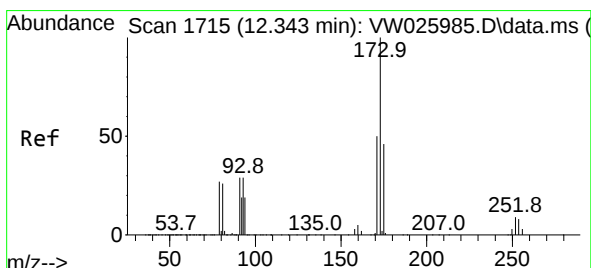
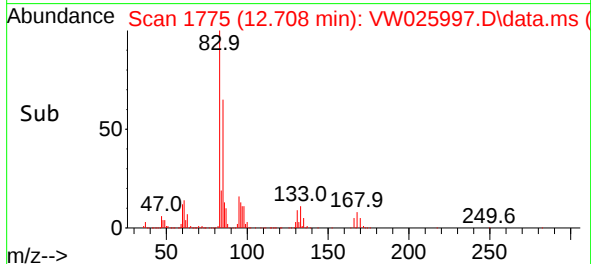
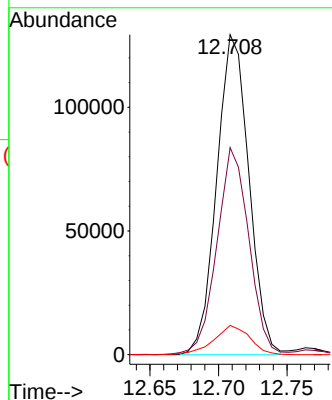
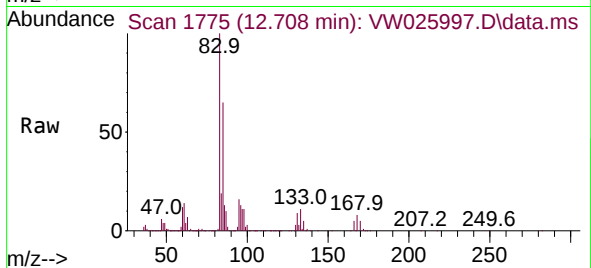
Tgt Ion: 83 Resp: 210991

Ion Ratio Lower Upper

83 100

85 64.7 45.6 84.8

131 9.1 8.1 12.1



#59

Bromoform

Concen: 24.882 ug/L

RT: 12.343 min Scan# 1715

Delta R.T. 0.000 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

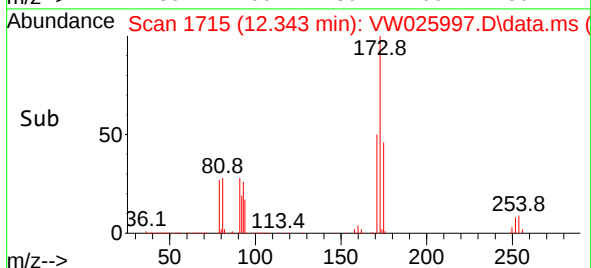
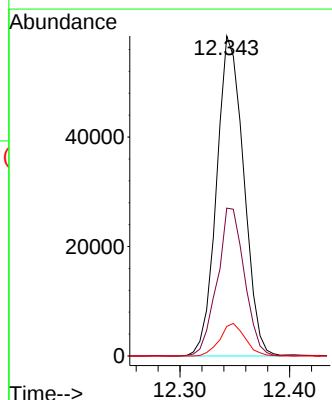
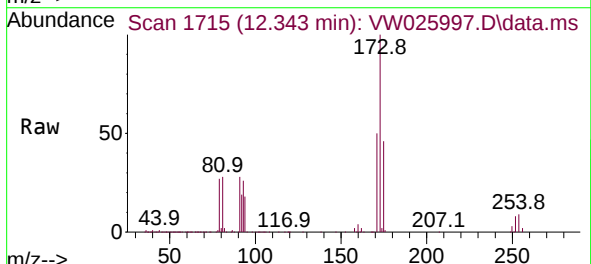
Tgt Ion:173 Resp: 100423

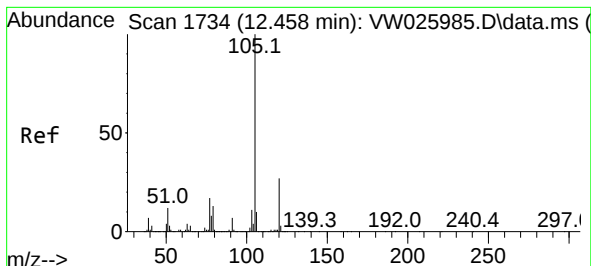
Ion Ratio Lower Upper

173 100

175 46.4 38.6 57.8

254 9.5 7.6 11.4





#60

Isopropylbenzene

Concen: 27.309 ug/L

RT: 12.458 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025493

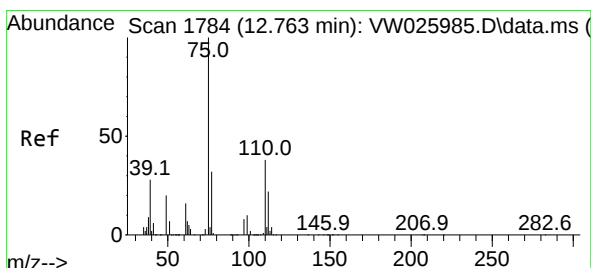
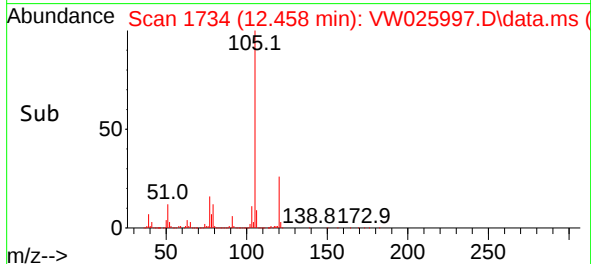
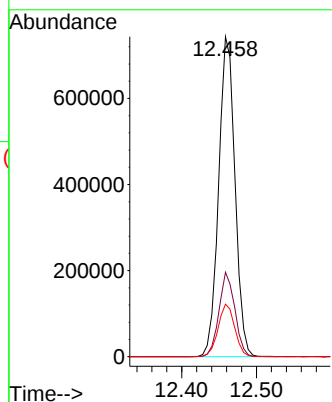
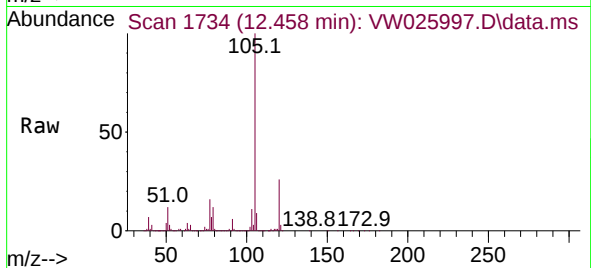
Tgt Ion:105 Resp: 1131078

Ion Ratio Lower Upper

105 100

120 25.7 21.1 31.7

77 16.6 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 23.858 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

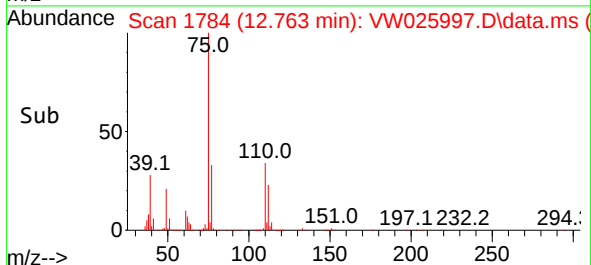
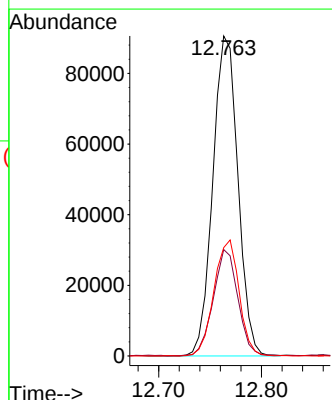
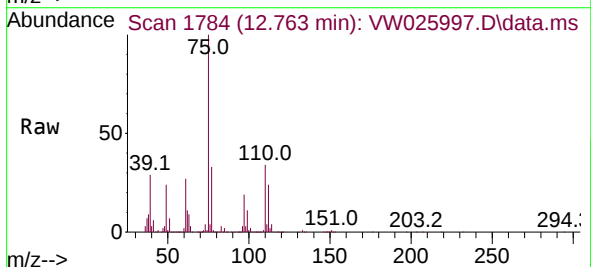
Tgt Ion: 75 Resp: 153632

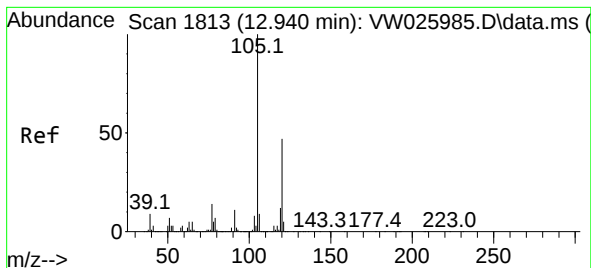
Ion Ratio Lower Upper

75 100

77 32.7 25.2 37.8

110 36.2 27.6 41.4





#62

1,3,5-Trimethylbenzene

Concen: 27.250 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

Instrument :

MSVOA_W

ClientSampleId :

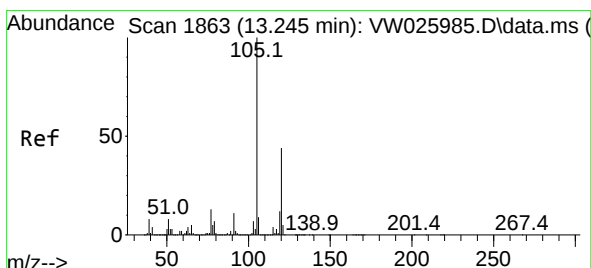
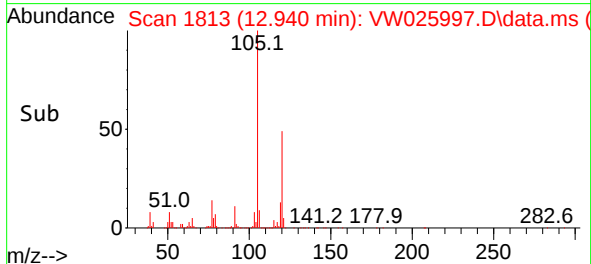
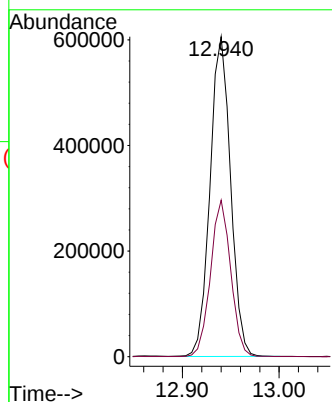
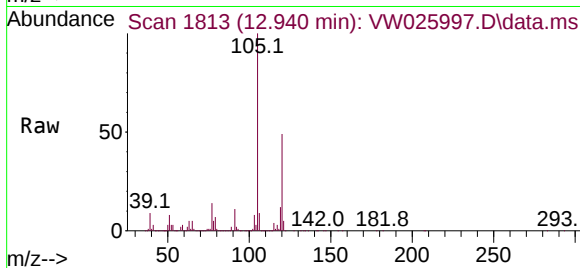
VSTD025493

Tgt Ion:105 Resp: 893931

Ion Ratio Lower Upper

105 100

120 48.1 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 27.260 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW025997.D

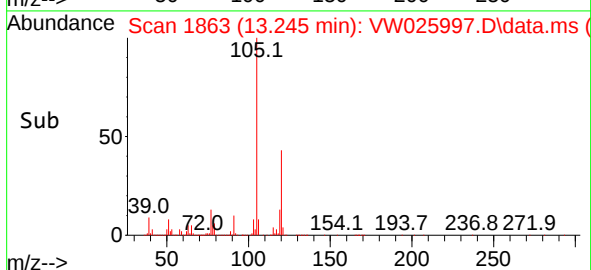
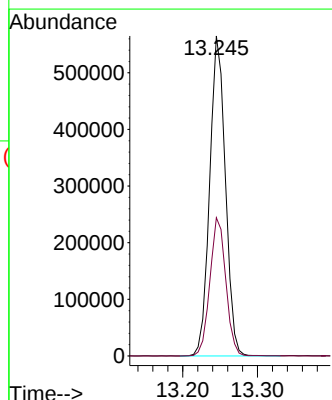
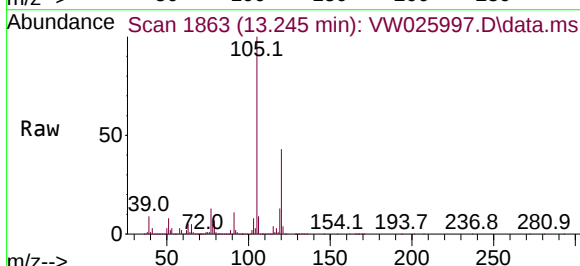
Acq: 19 May 2023 09:39

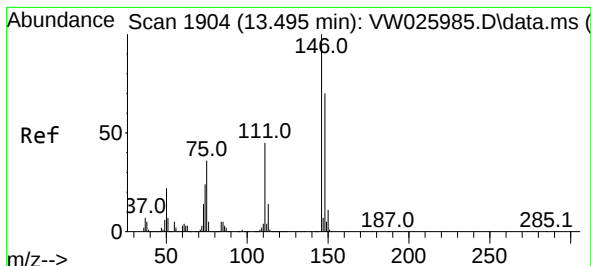
Tgt Ion:105 Resp: 825201

Ion Ratio Lower Upper

105 100

120 43.7 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 26.243 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025493

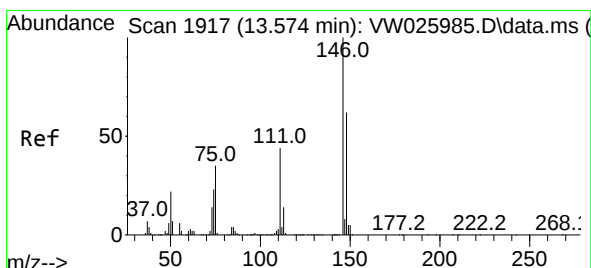
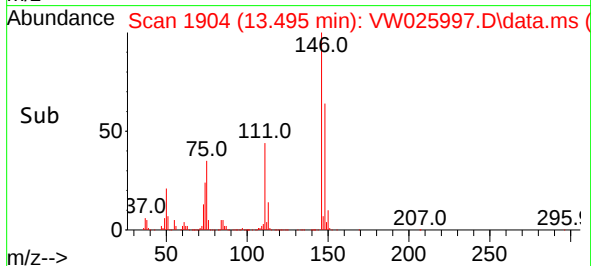
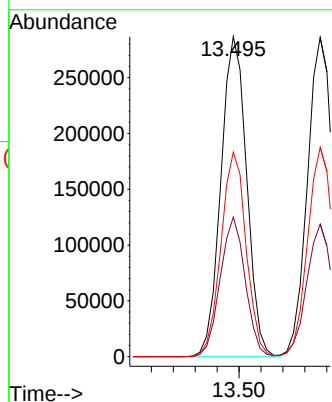
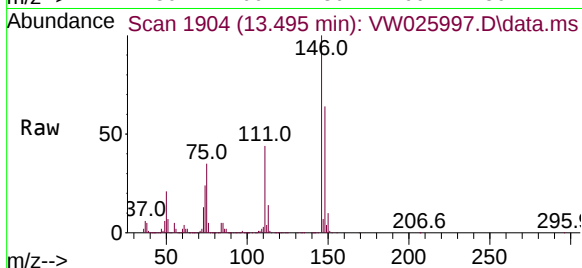
Tgt Ion:146 Resp: 467906

Ion Ratio Lower Upper

146 100

111 43.7 30.4 56.4

148 63.9 40.8 75.8



#65

1,4-Dichlorobenzene

Concen: 25.899 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

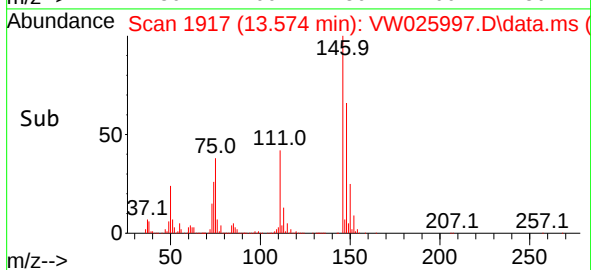
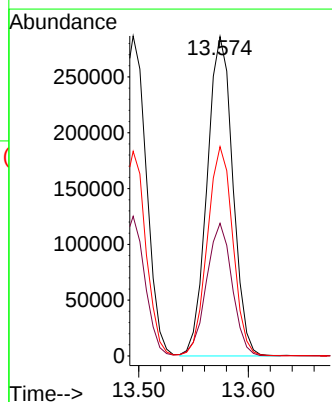
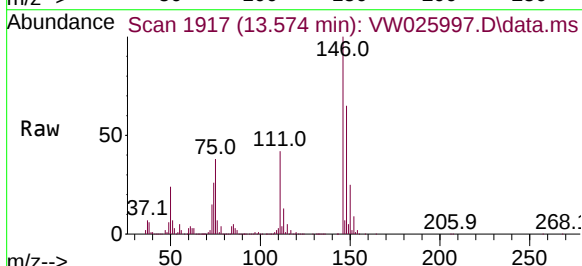
Tgt Ion:146 Resp: 466513

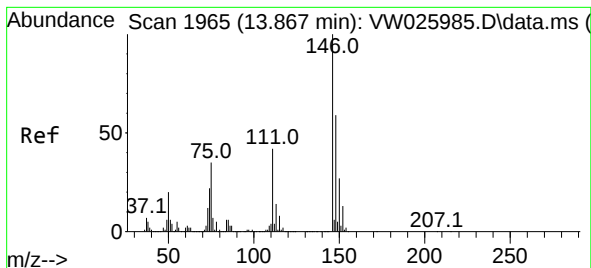
Ion Ratio Lower Upper

146 100

111 41.5 27.9 51.9

148 65.5 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 25.898 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025493

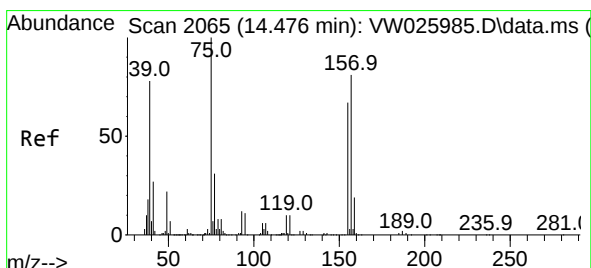
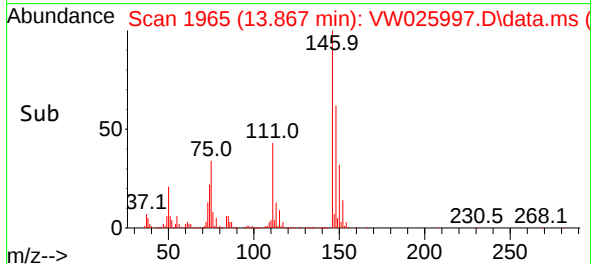
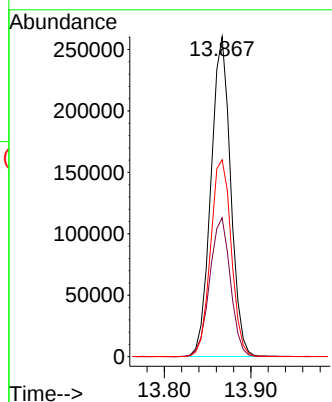
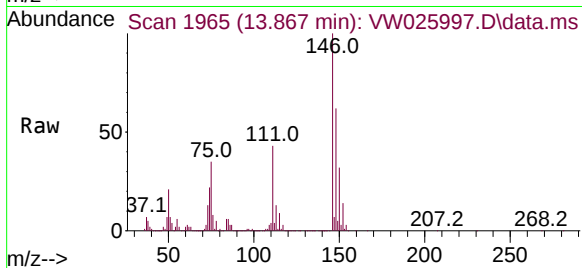
Tgt Ion:146 Resp: 411797

Ion Ratio Lower Upper

146 100

111 43.4 37.7 56.5

148 61.5 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 22.014 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

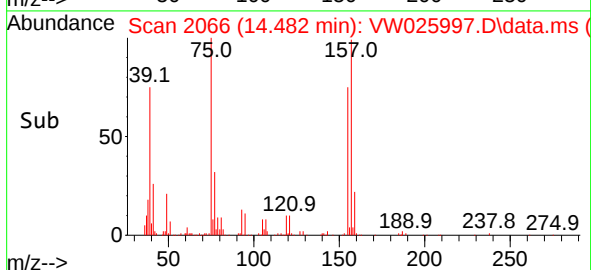
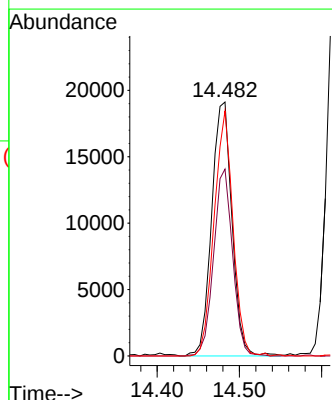
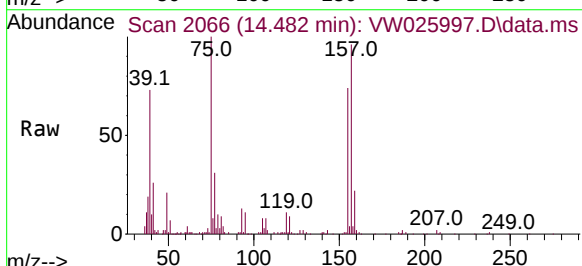
Tgt Ion: 75 Resp: 32872

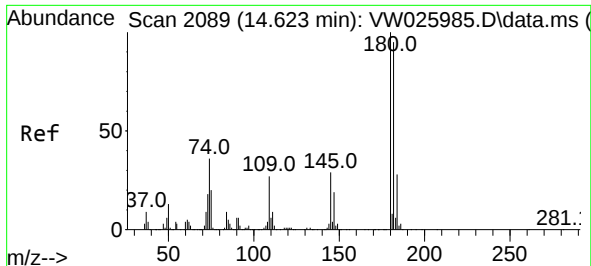
Ion Ratio Lower Upper

75 100

155 73.6 56.3 84.5

157 96.4 66.3 99.5

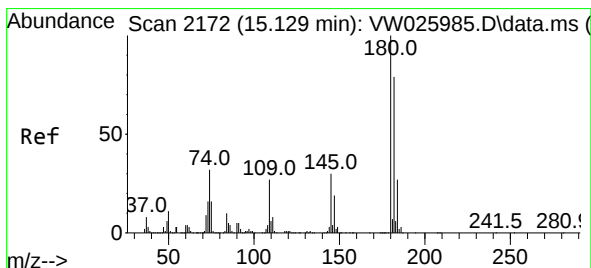
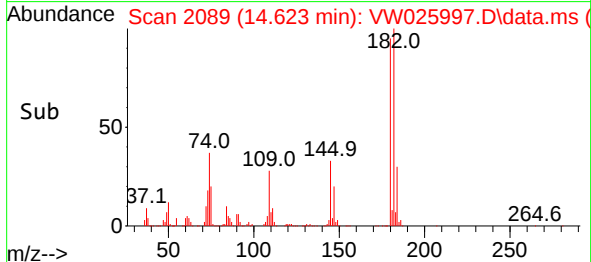
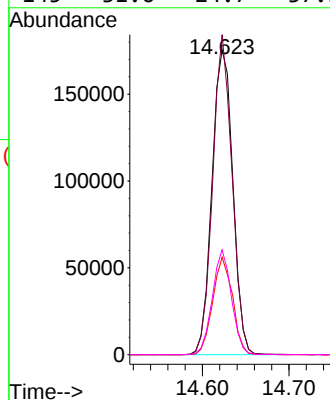
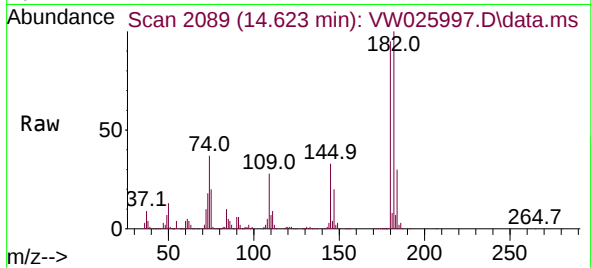




#69
1,3,5-Trichlorobenzene
Concen: 24.803 ug/L
RT: 14.623 min Scan# 2089
Delta R.T. 0.000 min
Lab File: VW025997.D
Acq: 19 May 2023 09:39

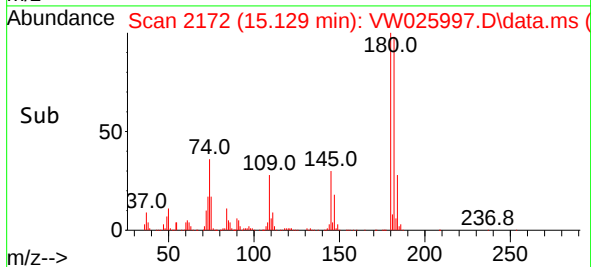
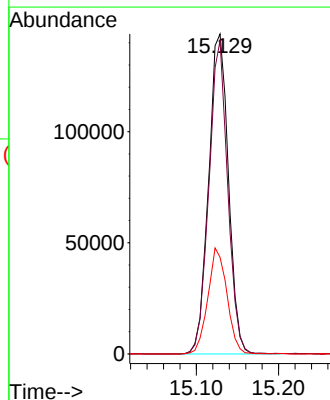
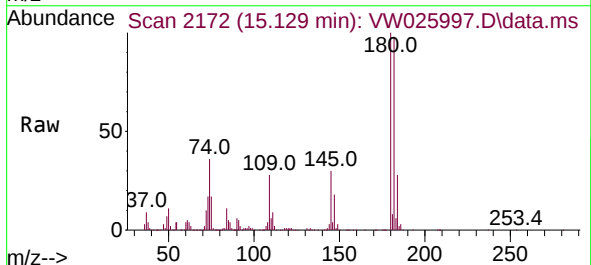
Instrument :
MSVOA_W
ClientSampleId :
VSTD025493

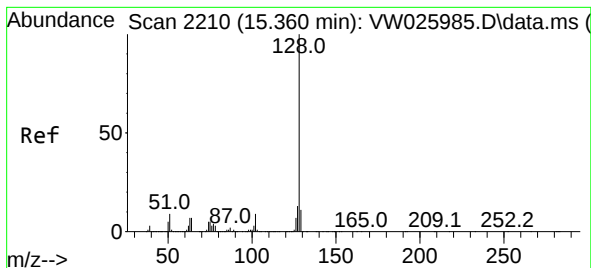
Tgt Ion:180 Resp: 293541
Ion Ratio Lower Upper
180 100
182 97.2 77.4 116.0
184 30.3 24.7 37.1
145 31.6 24.7 37.1



#70
1,2,4-trichlorobenzene
Concen: 24.309 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. 0.000 min
Lab File: VW025997.D
Acq: 19 May 2023 09:39

Tgt Ion:180 Resp: 241023
Ion Ratio Lower Upper
180 100
182 92.5 74.3 111.5
145 32.0 25.4 38.0





#71

Naphthalene

Concen: 22.727 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025493

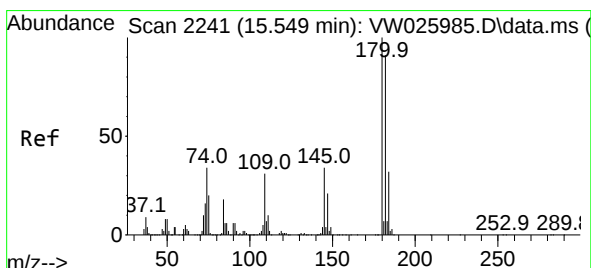
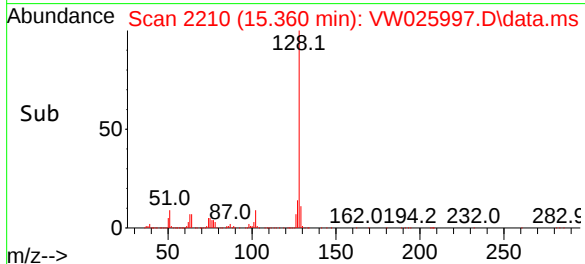
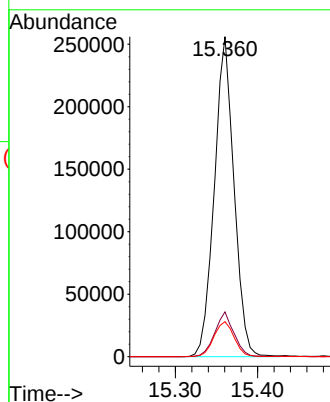
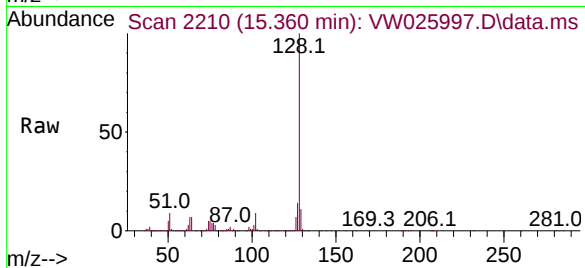
Tgt Ion:128 Resp: 425308

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

129 11.4 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 24.198 ug/L

RT: 15.543 min Scan# 2240

Delta R.T. -0.006 min

Lab File: VW025997.D

Acq: 19 May 2023 09:39

Tgt Ion:180 Resp: 212883

Ion Ratio Lower Upper

180 100

182 95.4 76.1 114.1

145 32.9 28.0 42.0

