

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060723\
 Data File : VW031433.D
 Acq On : 08 Jun 2023 05:28
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050361

Quant Time: Jun 08 06:00:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 08 05:16:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	268698	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	276539	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	162148	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	103529	43.792	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.580%
7) Chloroethane-d5	1.532	69	86329	45.104	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.200%
11) 1,1-Dichloroethene-d2	2.063	65	51388	45.864	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.720%
21) 2-Butanone-d5	3.793	46	159042	93.088	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.090%
24) Chloroform-d	4.256	84	215599	47.944	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.880%
26) 1,2-Dichloroethane-d4	4.947	65	143799	47.667	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.340%
32) Benzene-d6	4.966	84	373942	45.801	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	5.992	67	127543	44.942	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.880%
41) Toluene-d8	7.249	98	355141	47.351	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.700%
43) trans-1,3-Dichloroprop...	7.558	79	61569	43.069	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.140%
47) 2-Hexanone-d5	8.030	63	101143	94.626	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.630%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	165703	46.267	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.540%
66) 1,2-Dichlorobenzene-d4	11.567	152	135181	44.942	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	51602	47.889	ug/L	98
3) Chloromethane	1.217	50	39879	45.606	ug/L	97
5) Vinyl chloride	1.285	62	49898	47.829	ug/L	97
6) Bromomethane	1.487	94	29888	47.665	ug/L	100
8) Chloroethane	1.548	64	40308	47.954	ug/L	99
9) Trichlorofluoromethane	1.715	101	122602	48.687	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	77382	47.518	ug/L	98
12) 1,1-Dichloroethene	2.072	96	51222	47.785	ug/L	93
13) Acetone	2.121	43	110262	72.141	ug/L	97
14) Carbon disulfide	2.243	76	38524	42.015	ug/L	96
15) Methyl Acetate	2.375	43	114530	49.623	ug/L	100
16) Methylene chloride	2.449	84	80860	49.972	ug/L	93
17) trans-1,2-Dichloroethene	2.699	96	48158	47.385	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	298839	47.837	ug/L	99
19) 1,1-Dichloroethane	3.117	63	171522	48.790	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	79265	47.972	ug/L	98
22) 2-Butanone	3.876	43	165051	87.862	ug/L	99
23) Bromochloromethane	4.156	128	43437	49.991	ug/L	91
25) Chloroform	4.281	83	195160	49.783	ug/L	96

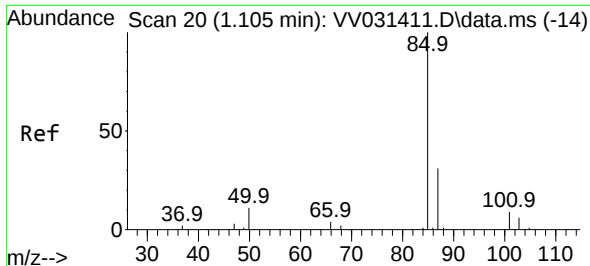
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060723\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	146192	51.071	ug/L	99
29) Cyclohexane	4.590	56	65653	44.328	ug/L	97
30) 1,1,1-Trichloroethane	4.519	97	158035	48.414	ug/L	99
31) Carbon tetrachloride	4.741	117	128449	47.370	ug/L	98
33) Benzene	5.014	78	295714	48.463	ug/L	100
34) Trichloroethene	5.837	95	92451	48.092	ug/L	98
35) Methylcyclohexane	6.056	83	70149	42.666	ug/L	100
37) 1,2-Dichloropropane	6.098	63	105538	48.053	ug/L	100
38) Bromodichloromethane	6.439	83	153408	47.723	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	147025	44.807	ug/L	96
40) 4-Methyl-2-pentanone	7.165	43	353408	99.055	ug/L	100
42) Toluene	7.320	91	346133	50.680	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	155325	46.670	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	111644	49.179	ug/L	99
46) Tetrachloroethene	7.911	164	58240	46.667	ug/L	98
48) 2-Hexanone	8.082	43	284550	101.892	ug/L	97
49) Dibromochloromethane	8.181	129	119383	48.208	ug/L	99
50) 1,2-Dibromoethane	8.288	107	105312	48.186	ug/L	97
51) Chlorobenzene	8.818	112	246809	47.526	ug/L	98
52) Ethylbenzene	8.953	91	405300	47.683	ug/L	99
53) m,p-Xylene	9.079	106	147384	48.116	ug/L	97
54) o-Xylene	9.484	106	149370	48.340	ug/L	100
55) Styrene	9.500	104	293219	52.049	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	168088	48.302	ug/L	100
59) Bromoform	9.670	173	96142	46.274	ug/L	99
60) Isopropylbenzene	9.873	105	440241	47.514	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	157085	47.856	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	362317	47.349	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	371138	48.455	ug/L	100
64) 1,3-Dichlorobenzene	11.123	146	221931	46.795	ug/L	99
65) 1,4-Dichlorobenzene	11.213	146	233863	46.620	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	229626	47.231	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	40921	47.033	ug/L	99
69) 1,3,5-Trichlorobenzene	12.590	180	164611	45.083	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	137444	44.124	ug/L	98
71) Naphthalene	13.445	128	354462	41.517	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	146420	46.895	ug/L	98

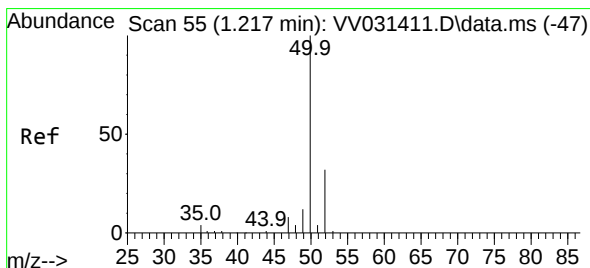
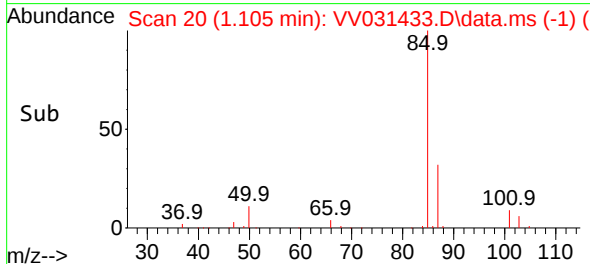
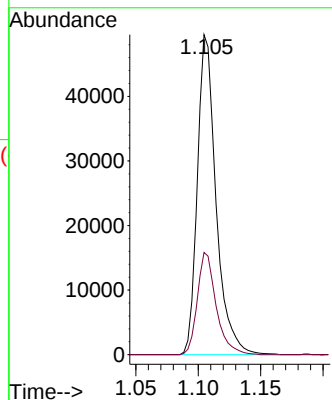
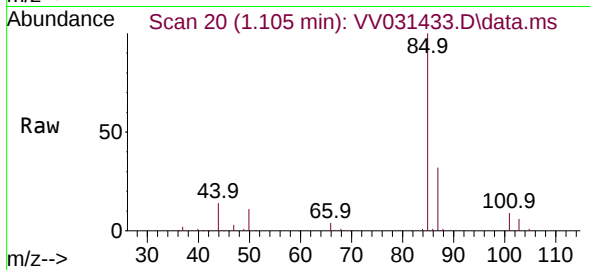
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 47.889 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV031433.D
 Acq: 08 Jun 2023 05:28

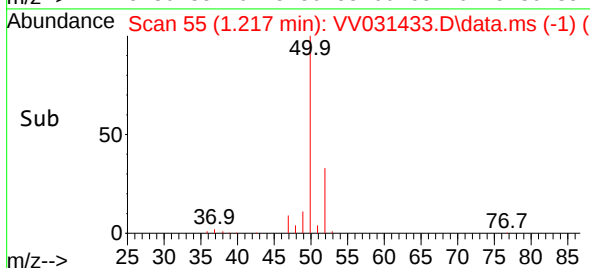
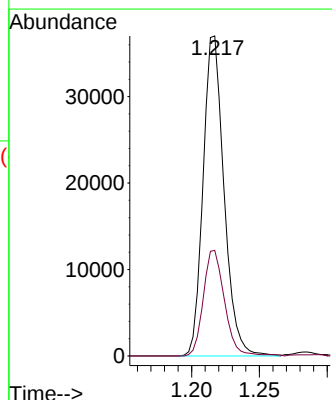
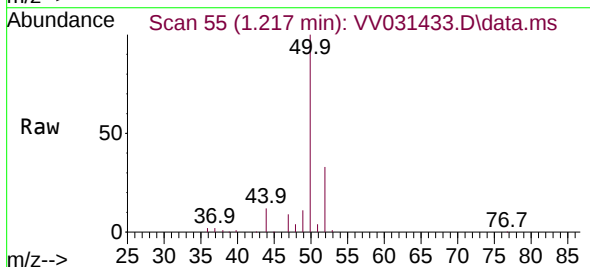
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050361

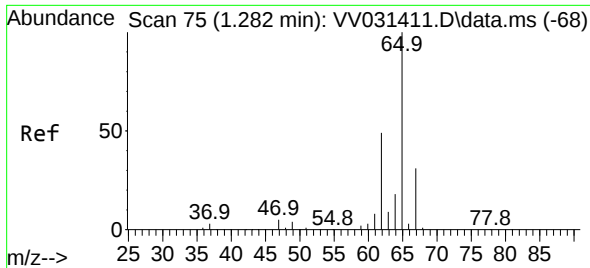
Tgt Ion: 85 Resp: 51602
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.0 37.6



#3
 Chloromethane
 Concen: 45.606 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031433.D
 Acq: 08 Jun 2023 05:28

Tgt Ion: 50 Resp: 39879
 Ion Ratio Lower Upper
 50 100
 52 33.0 21.9 40.7

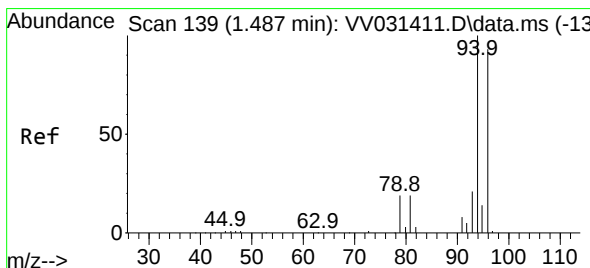
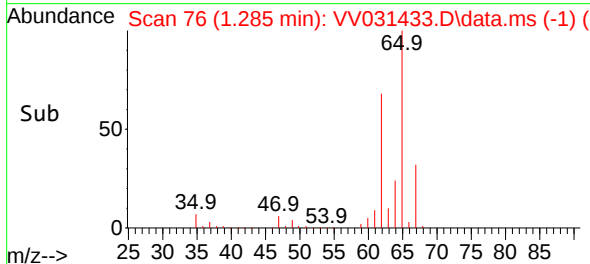
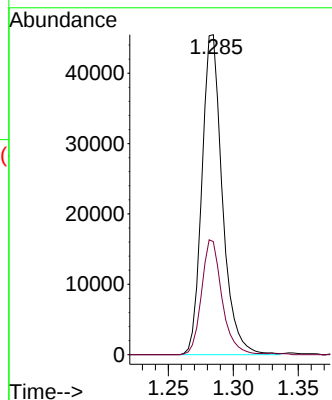
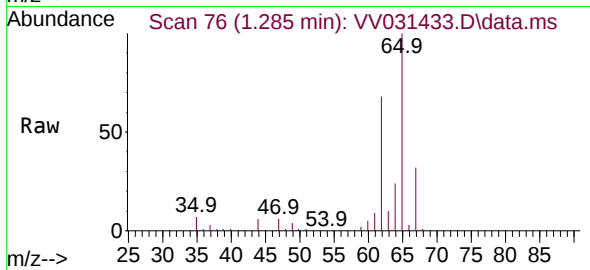




#5
 Vinyl chloride
 Concen: 47.829 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. 0.003 min
 Lab File: VV031433.D
 Acq: 08 Jun 2023 05:28

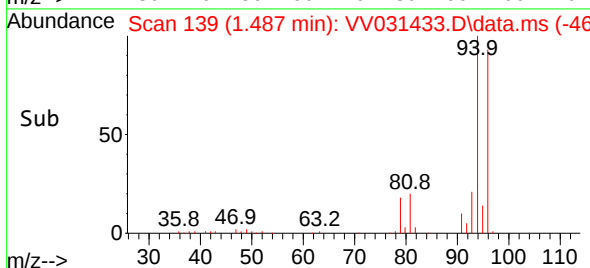
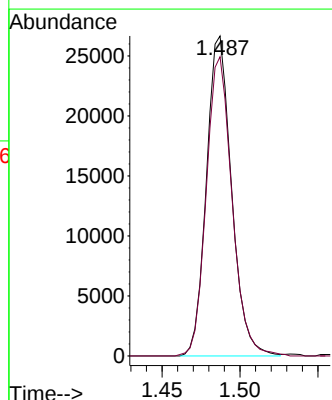
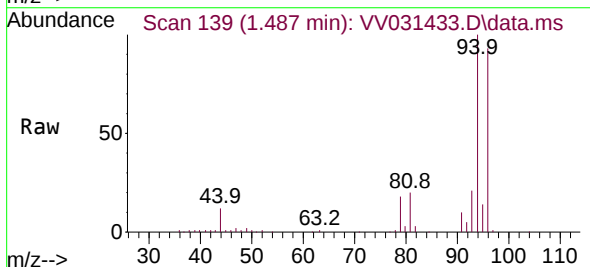
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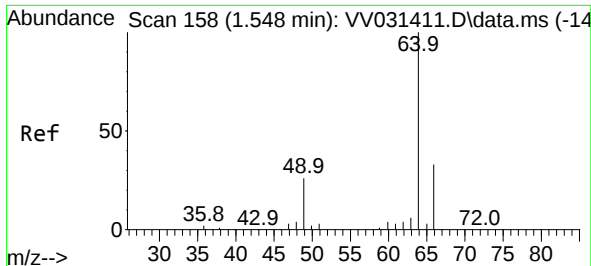
Tgt Ion: 62 Resp: 49898
 Ion Ratio Lower Upper
 62 100
 64 35.4 23.7 43.9



#6
 Bromomethane
 Concen: 47.665 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV031433.D
 Acq: 08 Jun 2023 05:28

Tgt Ion: 94 Resp: 29888
 Ion Ratio Lower Upper
 94 100
 96 93.5 65.4 121.4

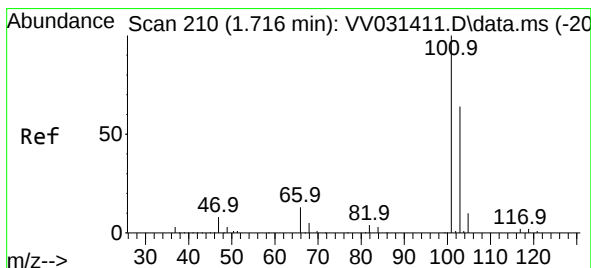
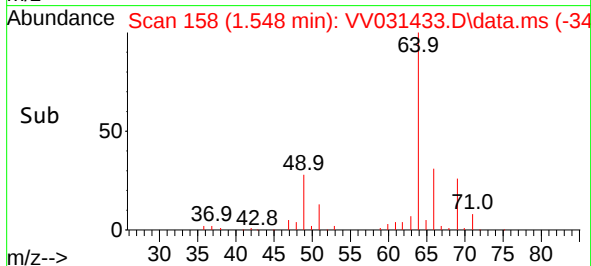
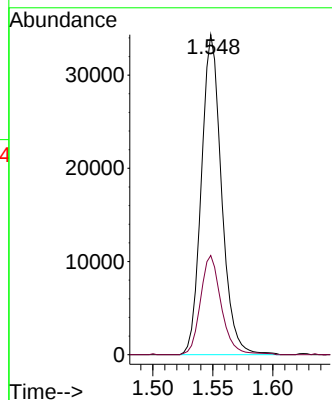
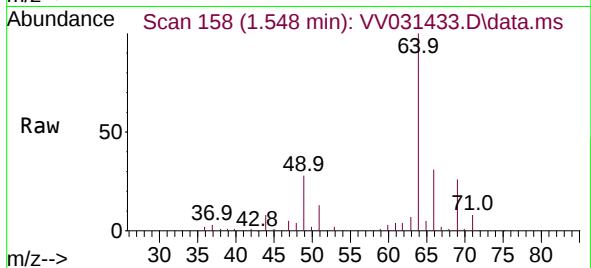




#8
Chloroethane
Concen: 47.954 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

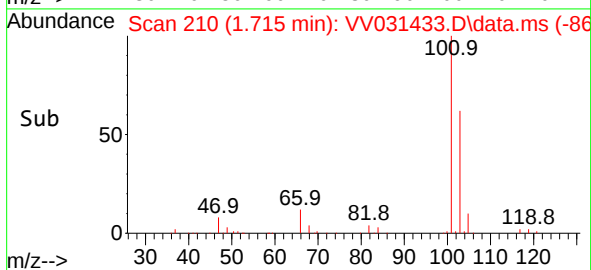
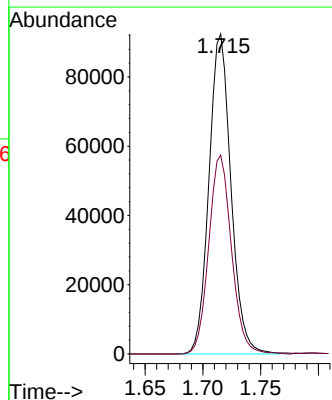
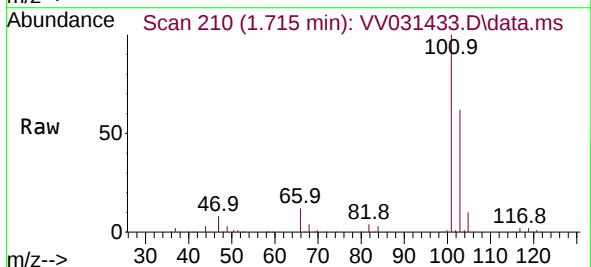
Instrument :
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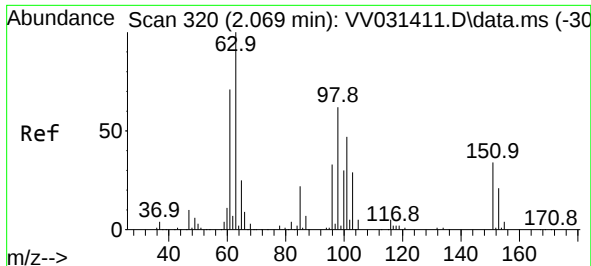
Tgt Ion: 64 Resp: 40308
Ion Ratio Lower Upper
64 100
66 31.0 21.4 39.8



#9
Trichlorofluoromethane
Concen: 48.687 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

Tgt Ion:101 Resp: 122602
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.6





#10

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

Concen: 47.518 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD050361

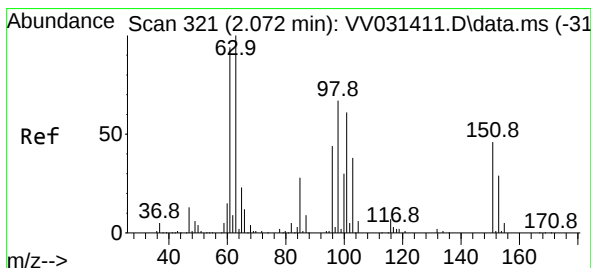
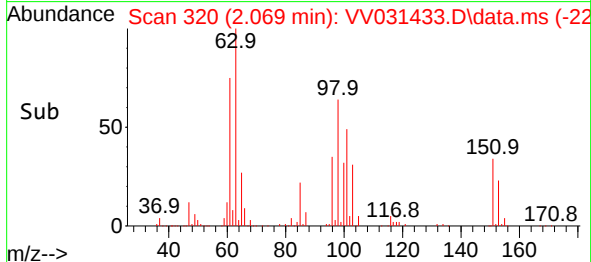
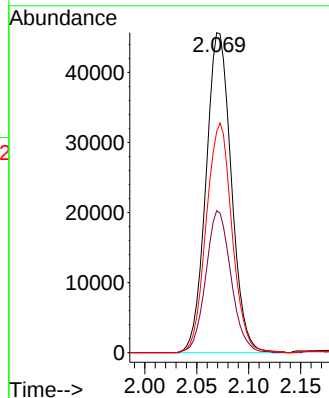
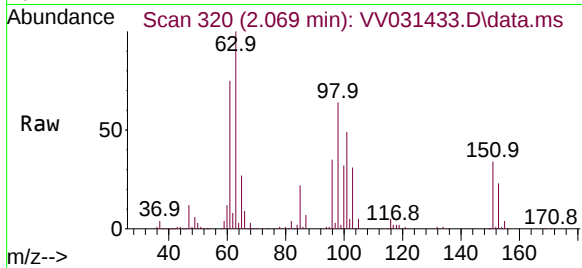
Tgt Ion:101 Resp: 77382

Ion Ratio Lower Upper

101 100

85 44.3 37.3 55.9

151 73.1 57.8 86.6



#12

1,1-Dichloroethene

Concen: 47.785 ug/L

RT: 2.072 min Scan# 321

Delta R.T. -0.000 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

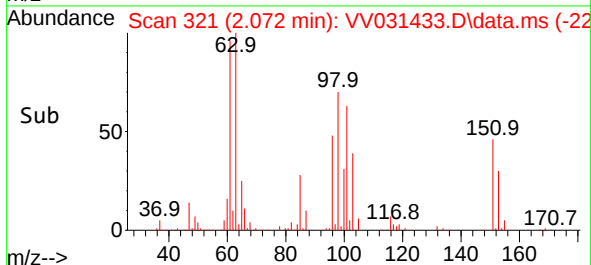
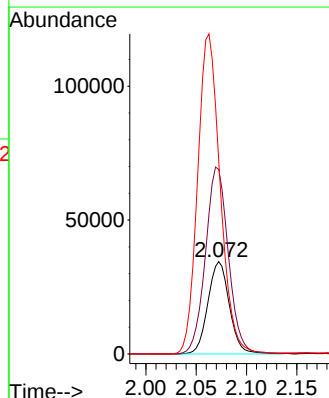
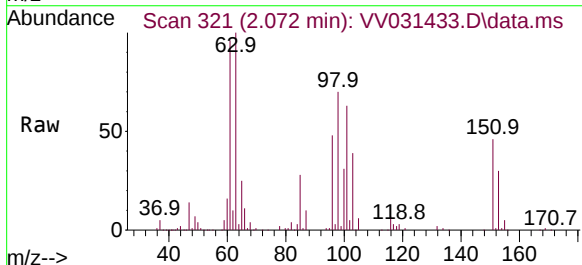
Tgt Ion: 96 Resp: 51222

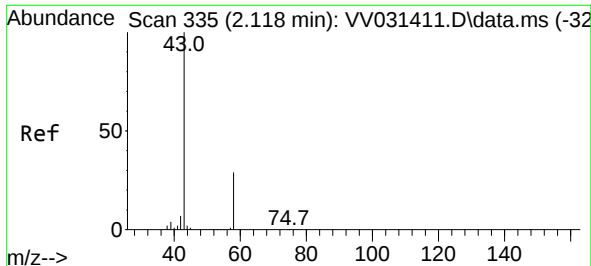
Ion Ratio Lower Upper

96 100

61 199.9 143.9 267.3

63 208.7 158.3 293.9





#13

Acetone

Concen: 72.141 ug/L

RT: 2.121 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

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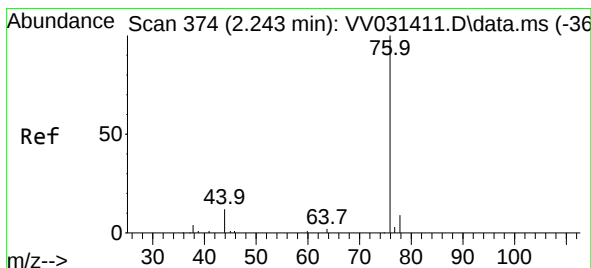
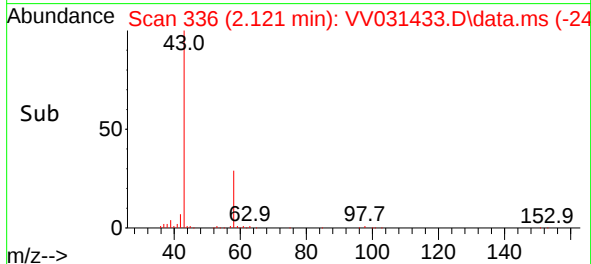
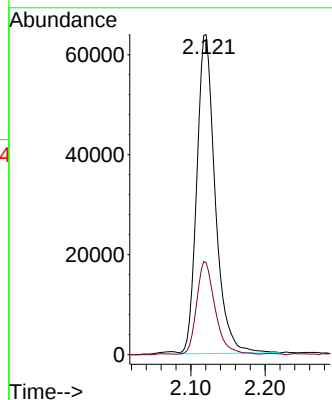
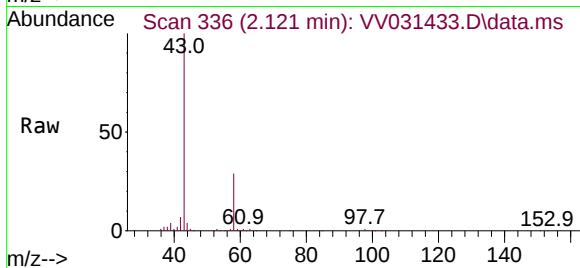
VSTD050361

Tgt Ion: 43 Resp: 110262

Ion Ratio Lower Upper

43 100

58 28.8 0.0 61.0



#14

Carbon disulfide

Concen: 42.015 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV031433.D

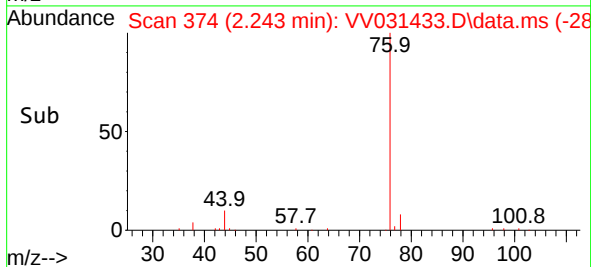
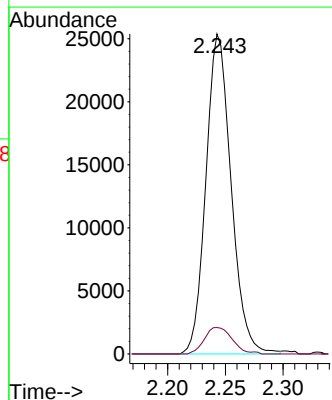
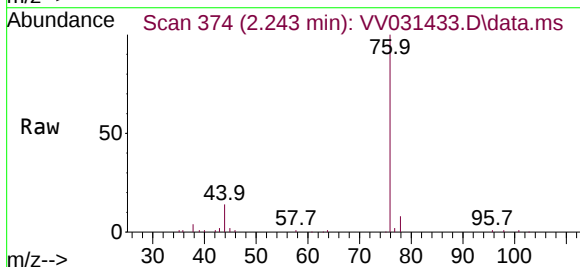
Acq: 08 Jun 2023 05:28

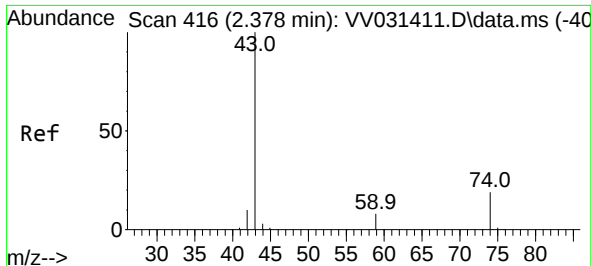
Tgt Ion: 76 Resp: 38524

Ion Ratio Lower Upper

76 100

78 8.3 7.9 11.9

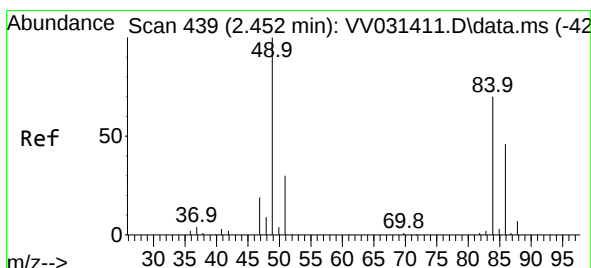
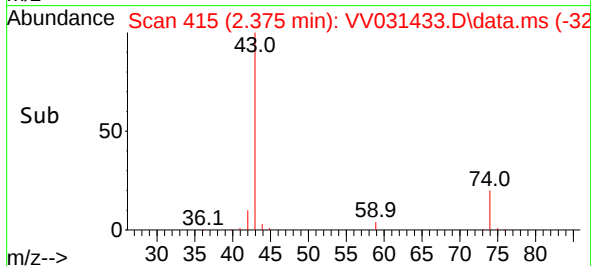
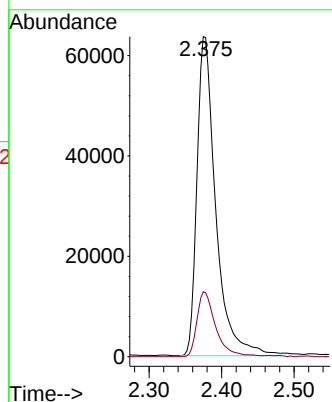
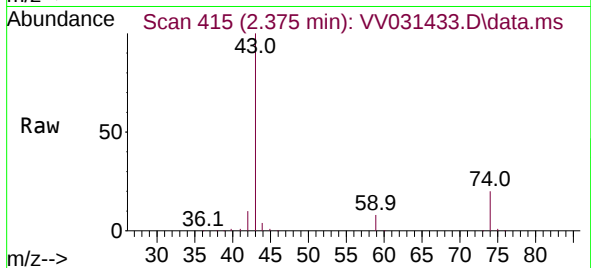




#15
Methyl Acetate
Concen: 49.623 ug/L
RT: 2.375 min Scan# 416
Delta R.T. -0.003 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

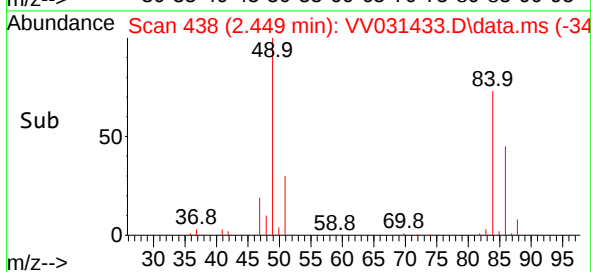
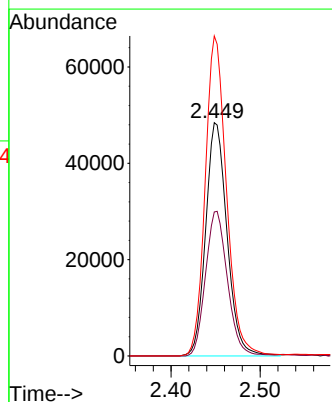
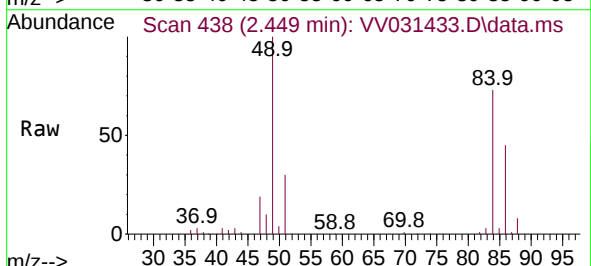
Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

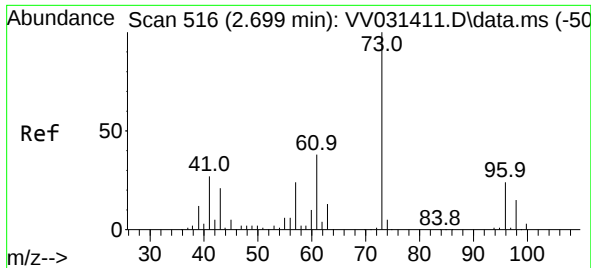
Tgt Ion: 43 Resp: 114530
Ion Ratio Lower Upper
43 100
74 20.2 16.0 24.0



#16
Methylene chloride
Concen: 49.972 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.003 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

Tgt Ion: 84 Resp: 80860
Ion Ratio Lower Upper
84 100
86 61.8 46.1 85.5
49 137.2 102.7 190.7

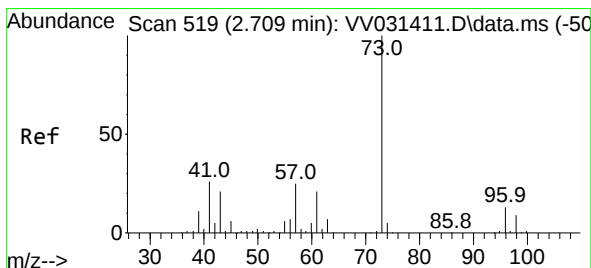
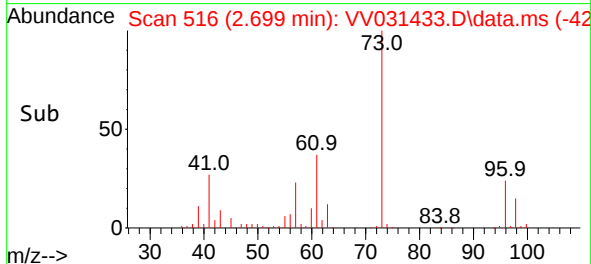
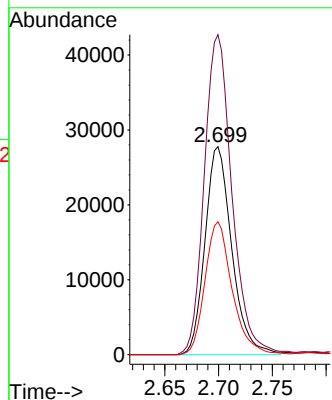
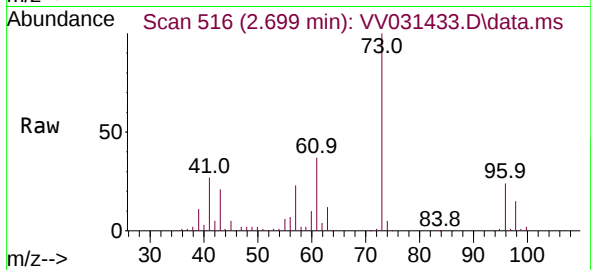




#17
trans-1,2-Dichloroethene
Concen: 47.385 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

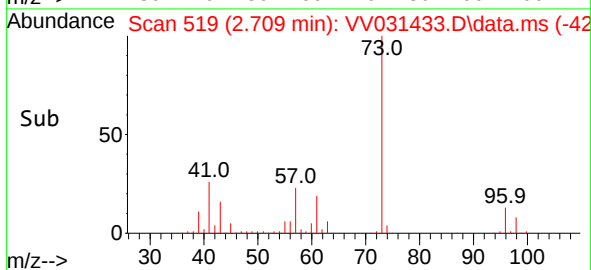
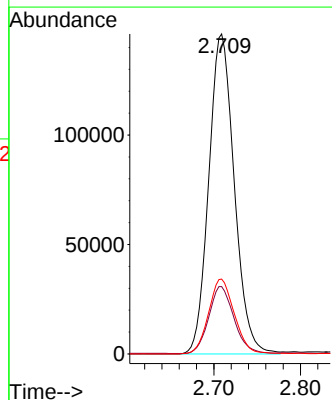
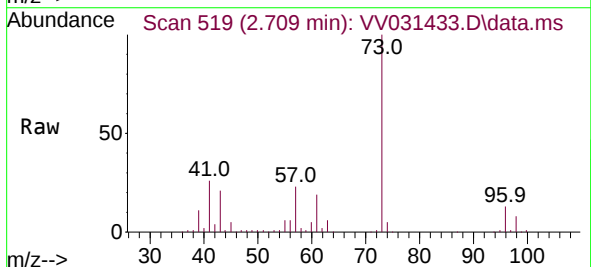
Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

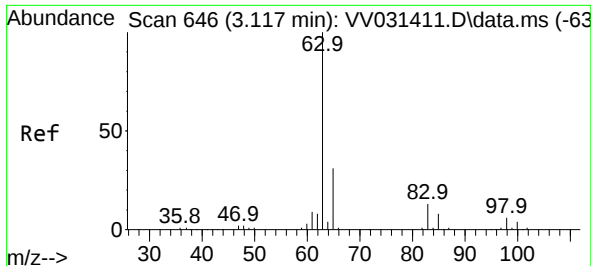
Tgt Ion: 96 Resp: 48158
Ion Ratio Lower Upper
96 100
61 153.8 106.9 198.5
98 64.0 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 47.837 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.000 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

Tgt Ion: 73 Resp: 298839
Ion Ratio Lower Upper
73 100
43 20.6 16.6 25.0
57 23.7 18.6 28.0





#19

1,1-Dichloroethane

Concen: 48.790 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD050361

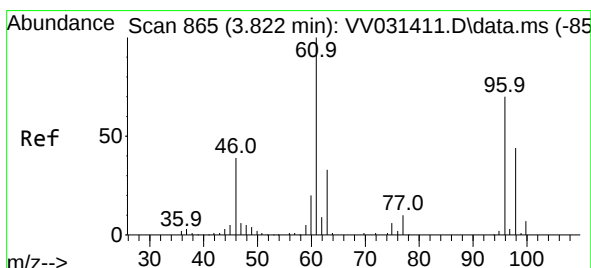
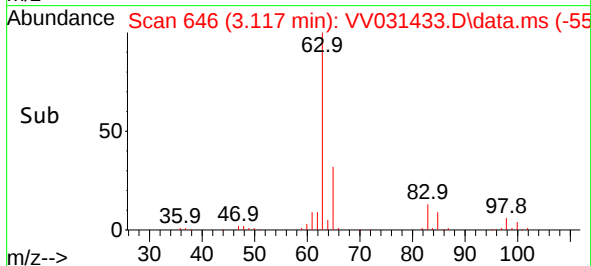
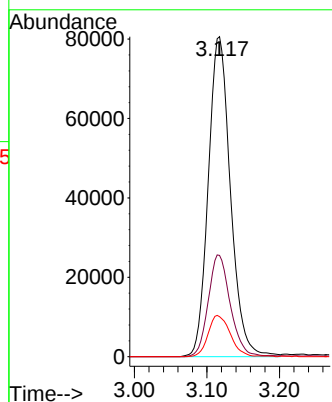
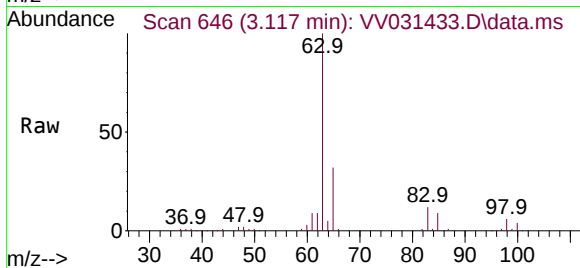
Tgt Ion: 63 Resp: 171522

Ion Ratio Lower Upper

63 100

65 31.6 21.4 39.8

83 12.5 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 47.972 ug/L

RT: 3.818 min Scan# 864

Delta R.T. -0.003 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

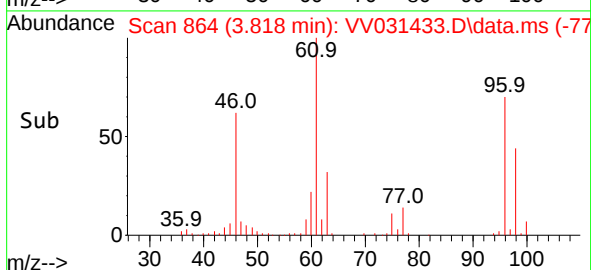
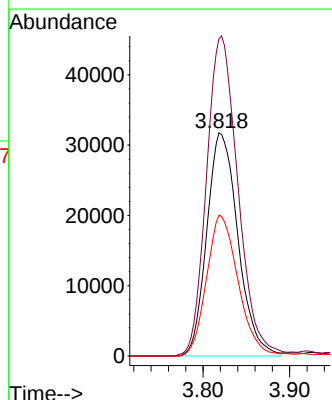
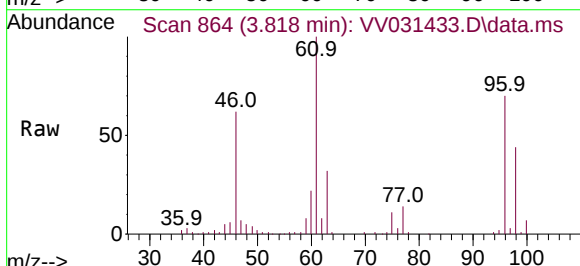
Tgt Ion: 96 Resp: 79265

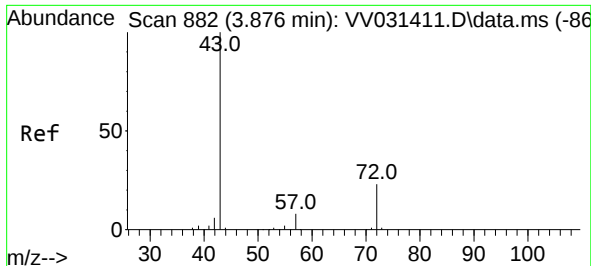
Ion Ratio Lower Upper

96 100

61 142.2 101.6 188.6

98 63.1 44.4 82.4

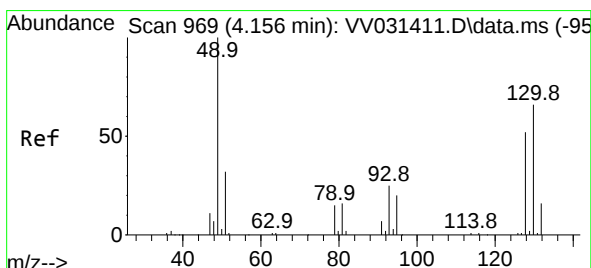
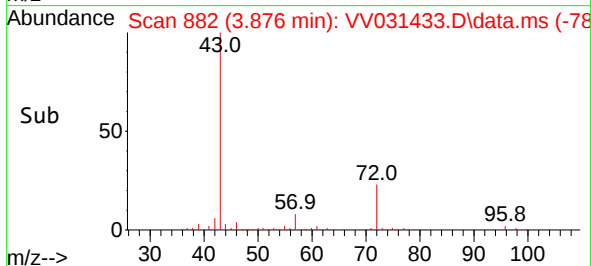
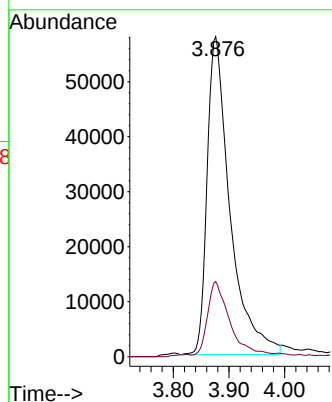
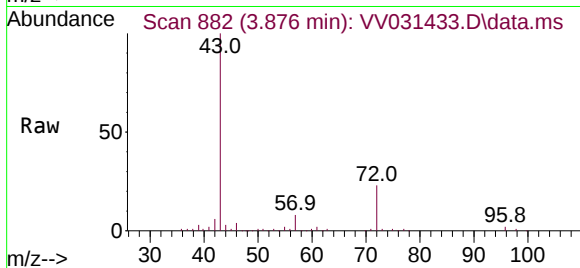




#22
2-Butanone
Concen: 87.862 ug/L
RT: 3.876 min Scan# 882
Delta R.T. -0.000 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

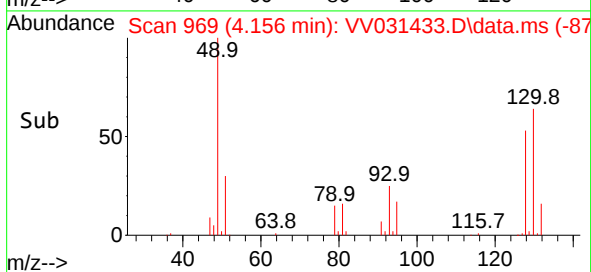
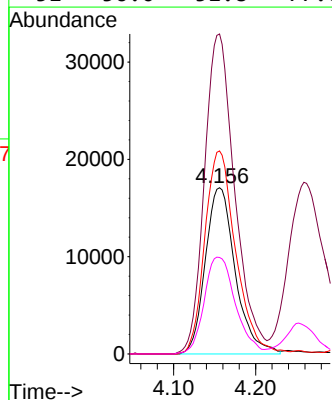
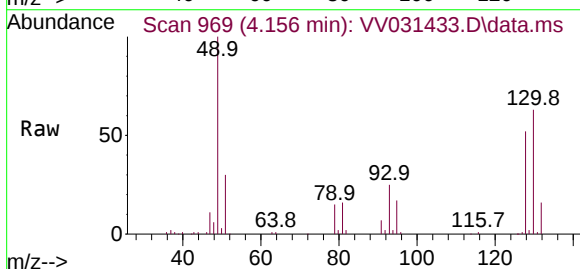
Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

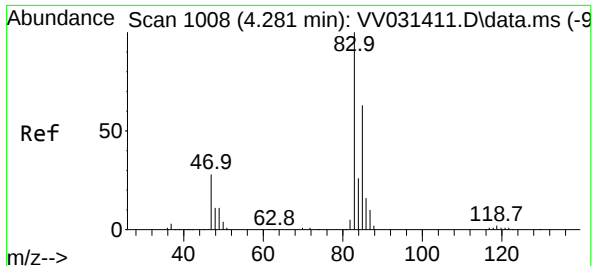
Tgt Ion: 43 Resp: 165051
Ion Ratio Lower Upper
43 100
72 21.3 10.4 31.4



#23
Bromochloromethane
Concen: 49.991 ug/L
RT: 4.156 min Scan# 969
Delta R.T. -0.000 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

Tgt Ion: 128 Resp: 43437
Ion Ratio Lower Upper
128 100
49 185.7 138.2 256.6
130 117.9 91.4 169.8
51 56.0 51.8 77.6





#25

Chloroform

Concen: 49.783 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. -0.000 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

Instrument :

MSVOA_V

ClientSampleId :

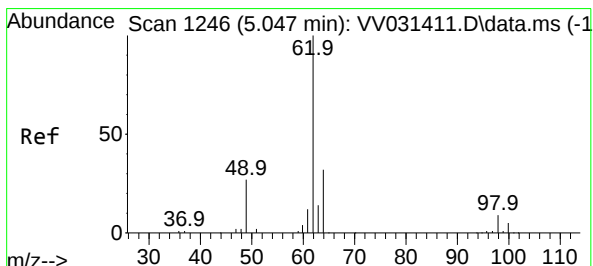
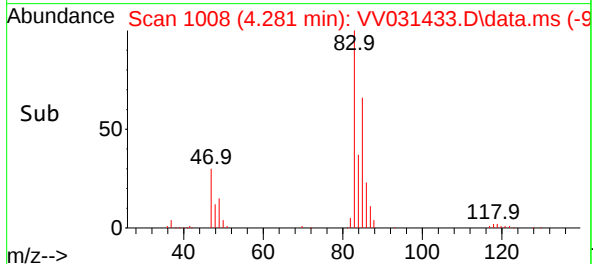
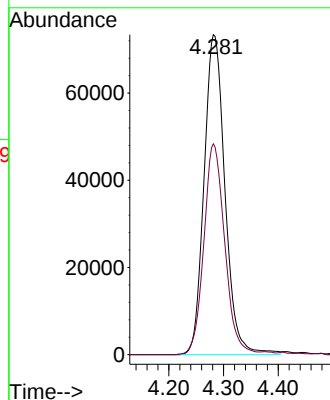
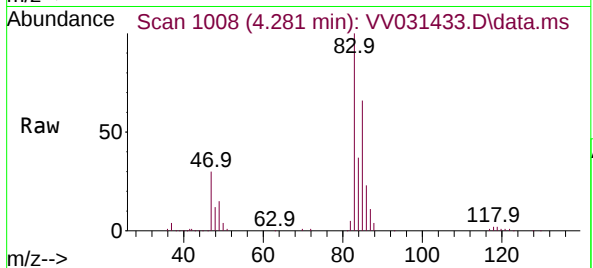
VSTD050361

Tgt Ion: 83 Resp: 195160

Ion Ratio Lower Upper

83 100

85 65.9 43.9 81.5



#27

1,2-Dichloroethane

Concen: 51.071 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VV031433.D

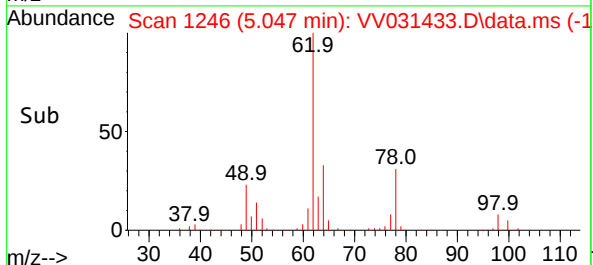
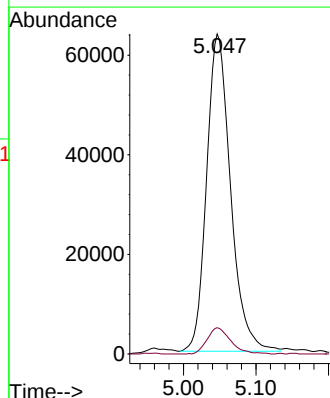
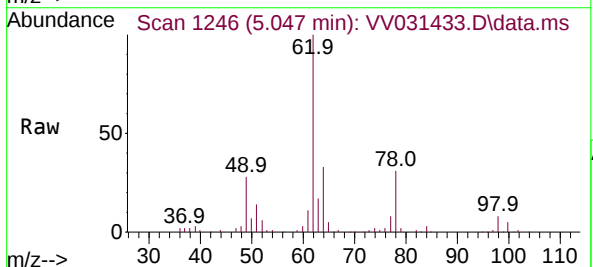
Acq: 08 Jun 2023 05:28

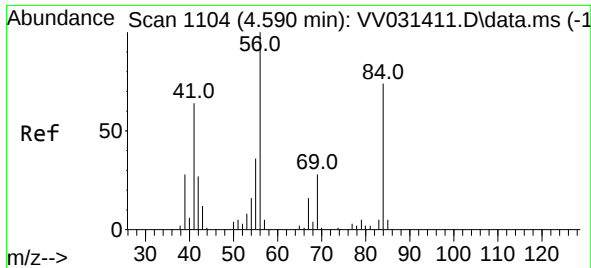
Tgt Ion: 62 Resp: 146192

Ion Ratio Lower Upper

62 100

98 8.2 6.2 9.4

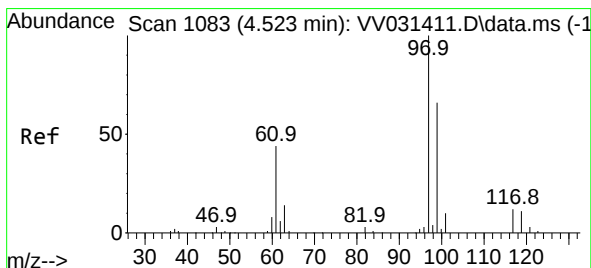
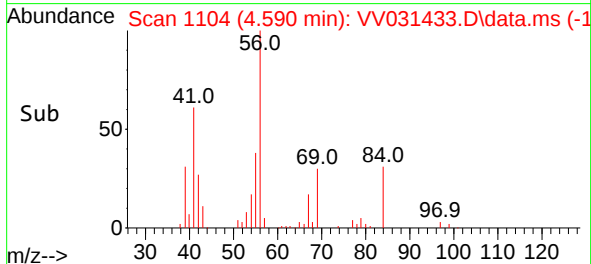
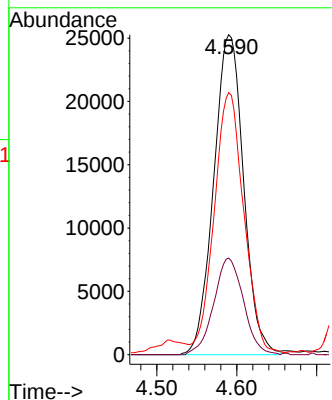
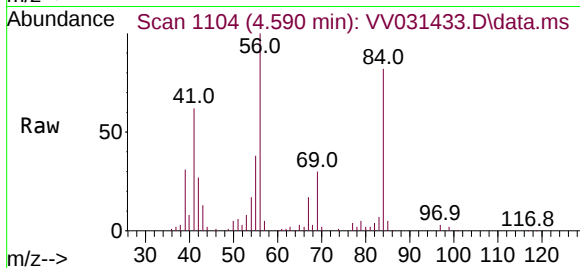




#29
Cyclohexane
Concen: 44.328 ug/L
RT: 4.590 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

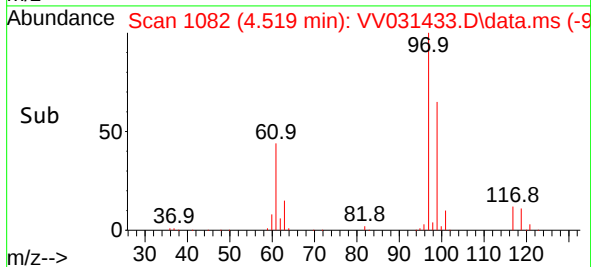
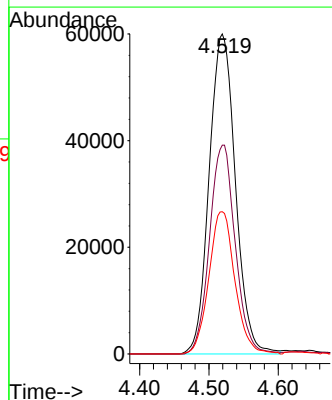
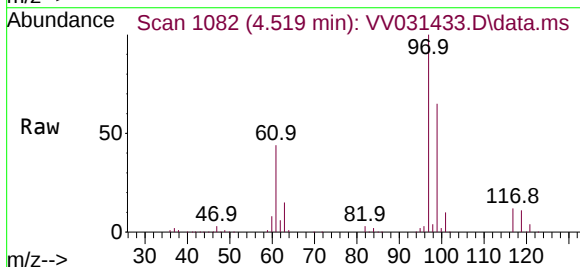
Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

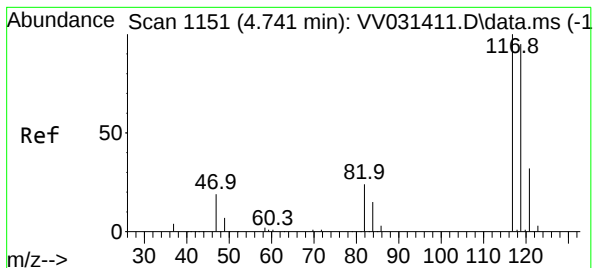
Tgt Ion: 56 Resp: 65653
Ion Ratio Lower Upper
56 100
69 30.0 23.5 35.3
84 79.9 61.3 91.9



#30
1,1,1-Trichloroethane
Concen: 48.414 ug/L
RT: 4.519 min Scan# 1082
Delta R.T. -0.003 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

Tgt Ion: 97 Resp: 158035
Ion Ratio Lower Upper
97 100
99 64.0 51.9 77.9
61 44.0 36.1 54.1





#31

Carbon tetrachloride

Concen: 47.370 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. -0.000 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

Instrument :

MSVOA_V

ClientSampleId :

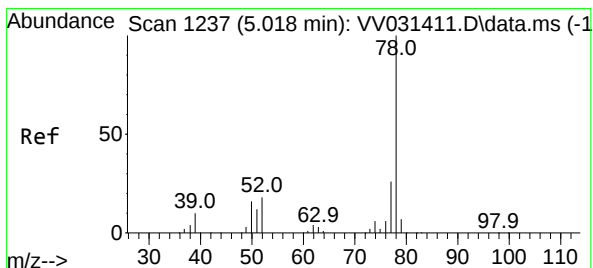
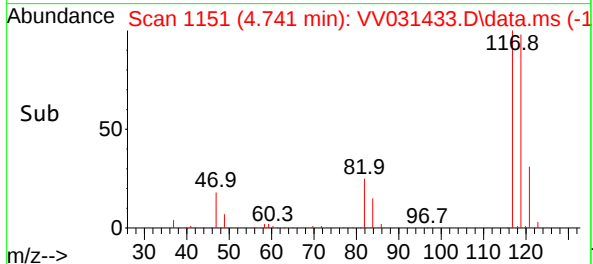
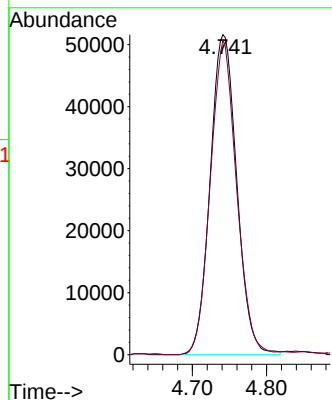
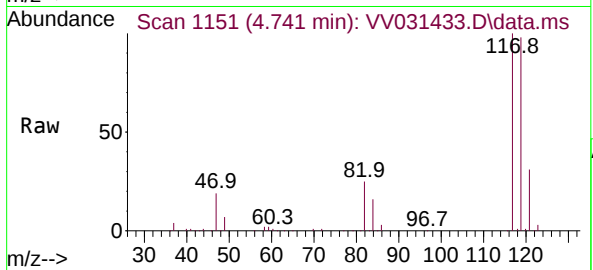
VSTD050361

Tgt Ion:117 Resp: 128449

Ion Ratio Lower Upper

117 100

119 96.4 75.8 113.6



#33

Benzene

Concen: 48.463 ug/L

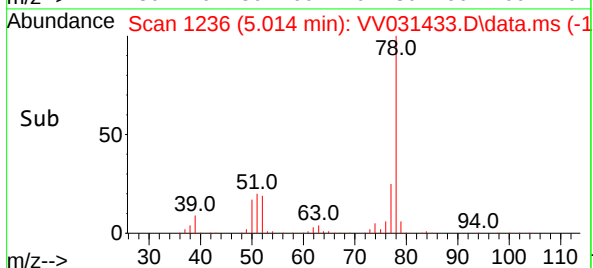
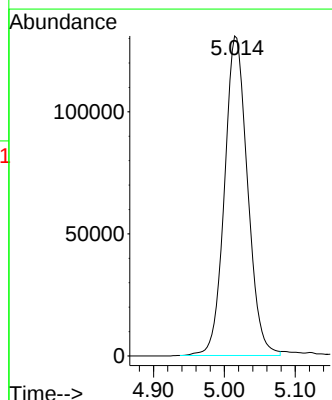
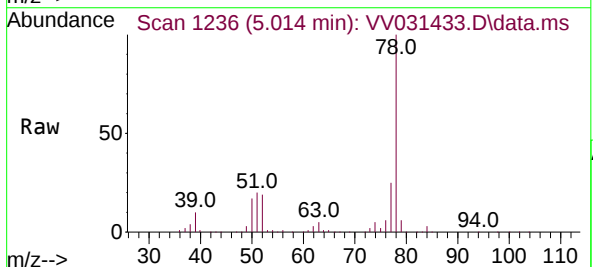
RT: 5.014 min Scan# 1236

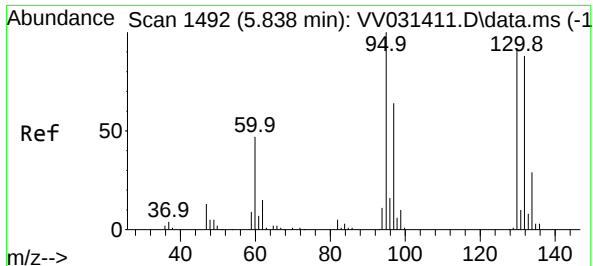
Delta R.T. -0.003 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

Tgt Ion: 78 Resp: 295714



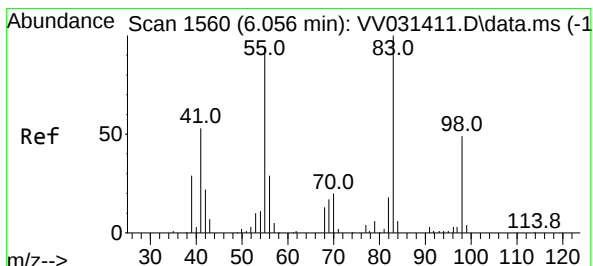
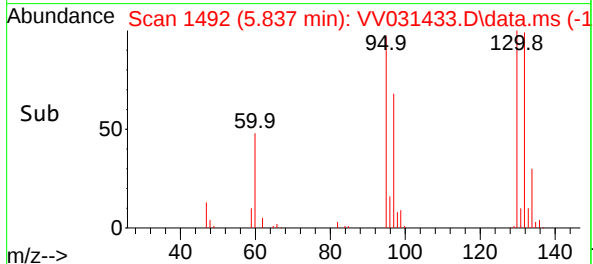
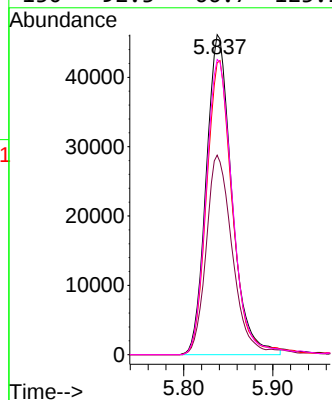
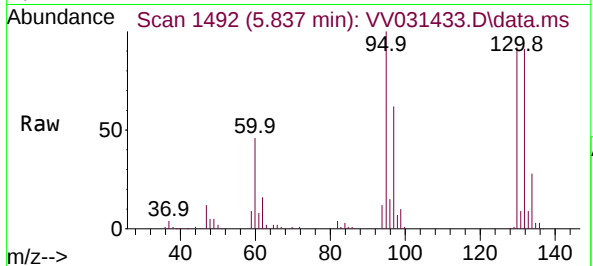


#34
Trichloroethene
Concen: 48.092 ug/L
RT: 5.837 min Scan# 1492
Delta R.T. -0.000 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

Tgt Ion: 95 Resp: 92451

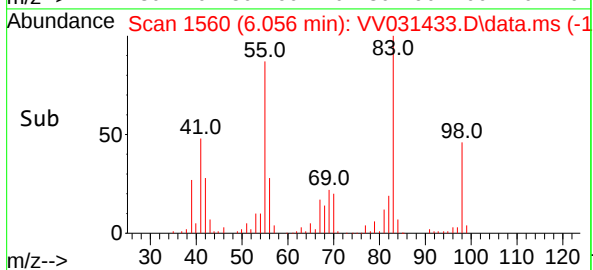
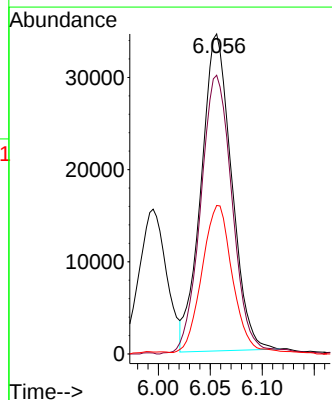
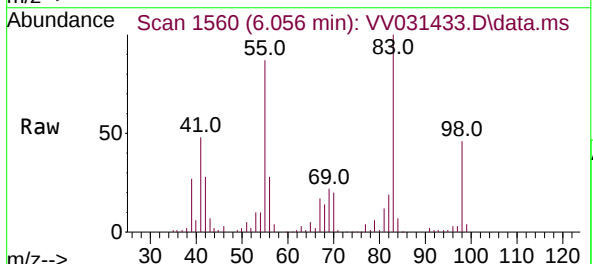
Ion	Ratio	Lower	Upper
95	100		
97	62.4	44.2	82.0
132	91.2	64.2	119.2
130	92.3	66.7	123.9

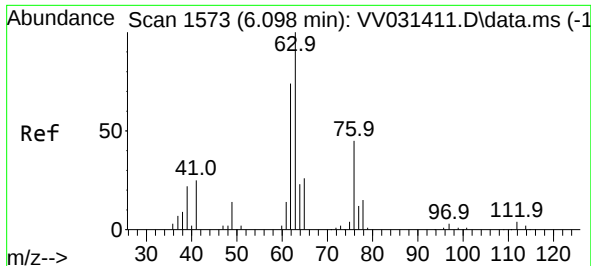


#35
Methylcyclohexane
Concen: 42.666 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.000 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

Tgt Ion: 83 Resp: 70149

Ion	Ratio	Lower	Upper
83	100		
55	92.2	73.9	110.9
98	45.8	37.0	55.4





#37

1,2-Dichloropropane

Concen: 48.053 ug/L

RT: 6.098 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

Instrument :

MSVOA_V

ClientSampleId :

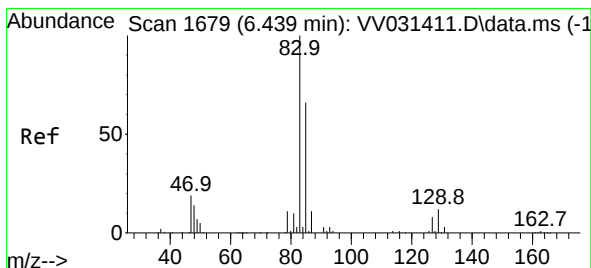
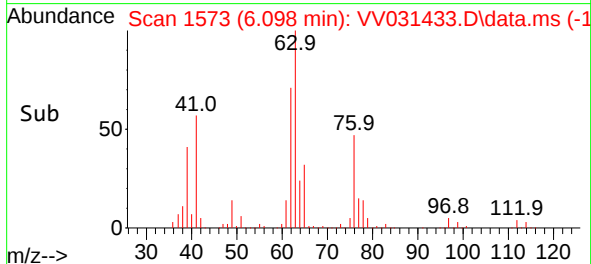
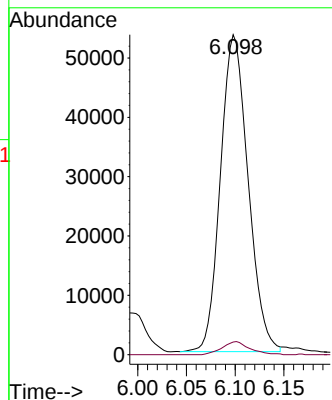
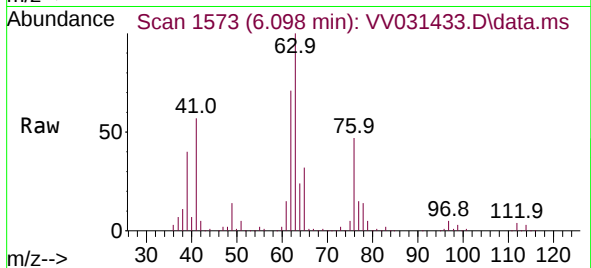
VSTD050361

Tgt Ion: 63 Resp: 105538

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 47.723 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

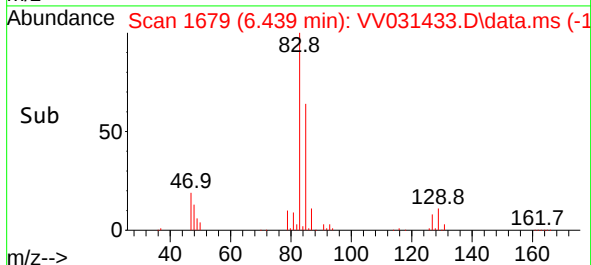
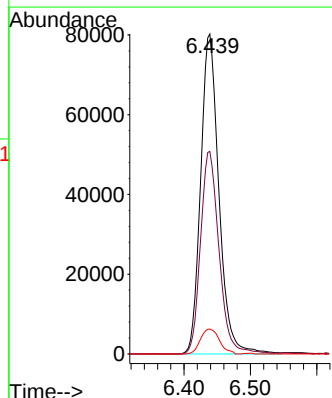
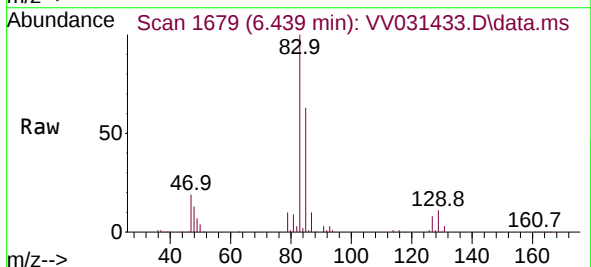
Tgt Ion: 83 Resp: 153408

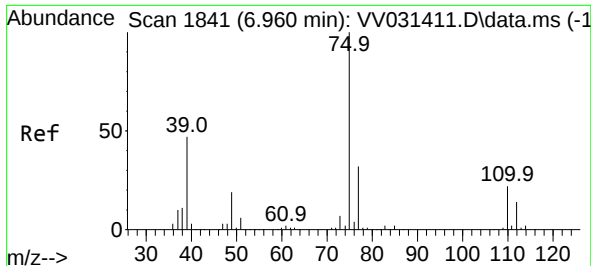
Ion Ratio Lower Upper

83 100

85 63.3 43.2 80.2

127 7.8 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 44.807 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

Instrument :

MSVOA_V

ClientSampleId :

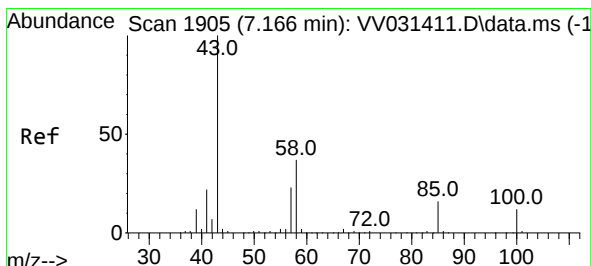
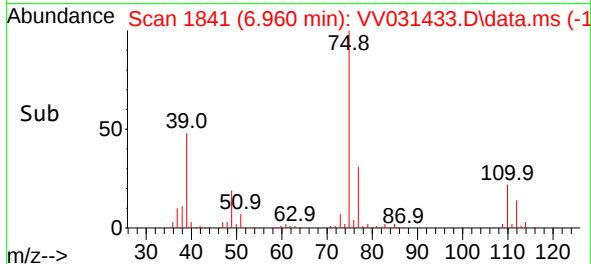
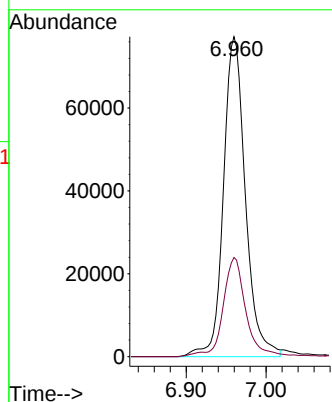
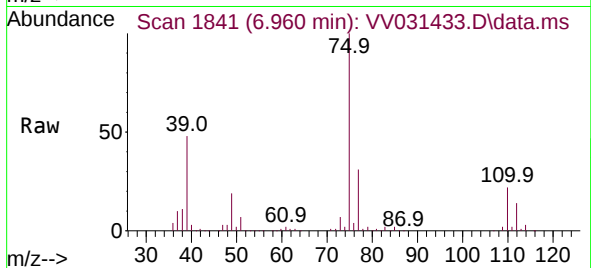
VSTD050361

Tgt Ion: 75 Resp: 147025

Ion Ratio Lower Upper

75 100

77 31.0 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 99.055 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

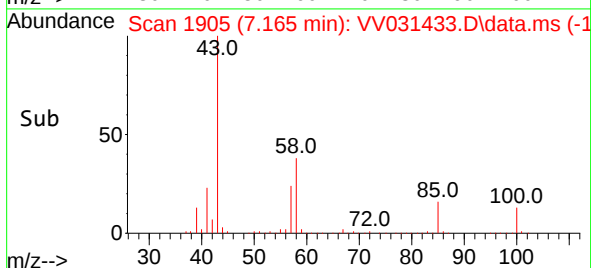
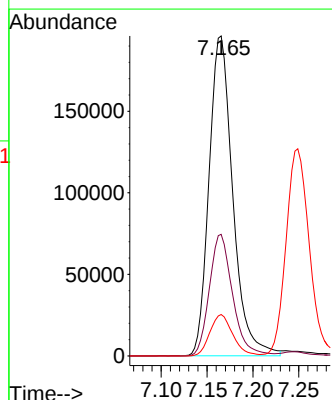
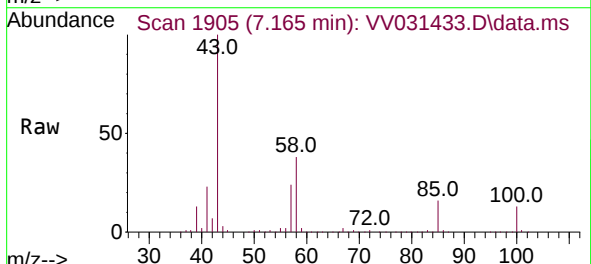
Tgt Ion: 43 Resp: 353408

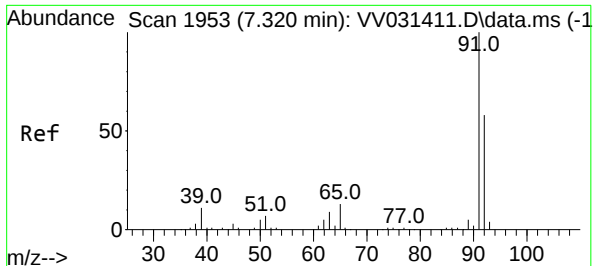
Ion Ratio Lower Upper

43 100

58 37.2 29.9 44.9

100 12.5 10.3 15.5





#42

Toluene

Concen: 50.680 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

Instrument :

MSVOA_V

ClientSampleId :

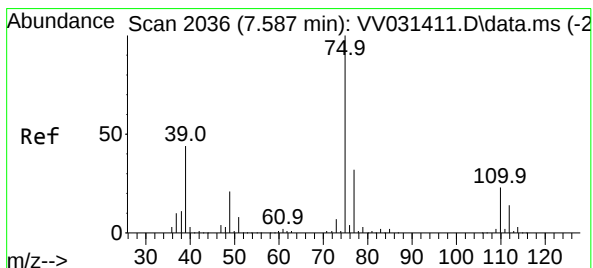
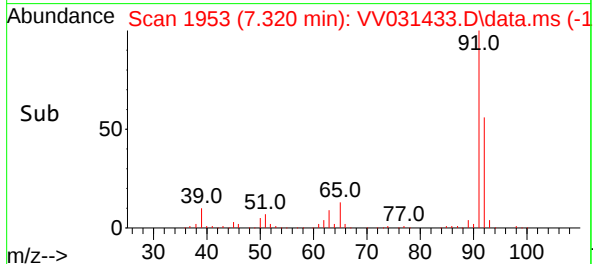
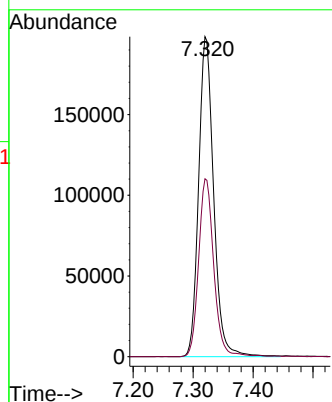
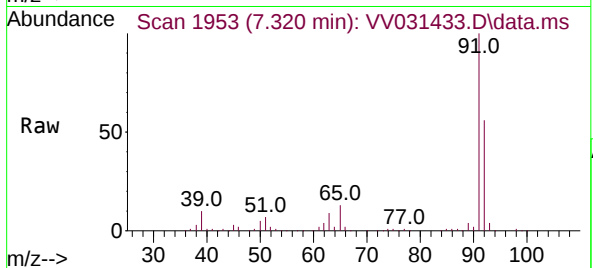
VSTD050361

Tgt Ion: 91 Resp: 346133

Ion Ratio Lower Upper

91 100

92 55.6 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 46.670 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.000 min

Lab File: VV031433.D

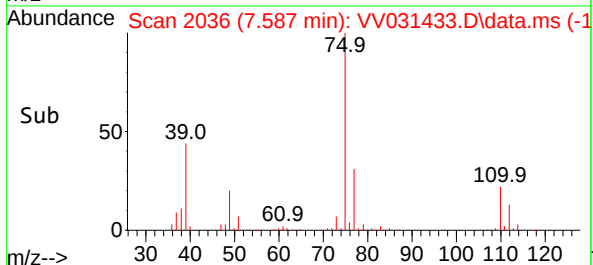
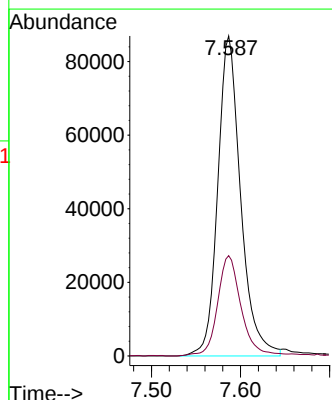
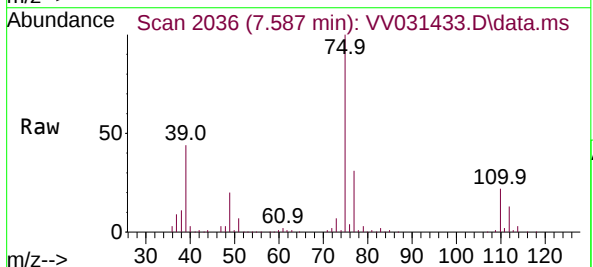
Acq: 08 Jun 2023 05:28

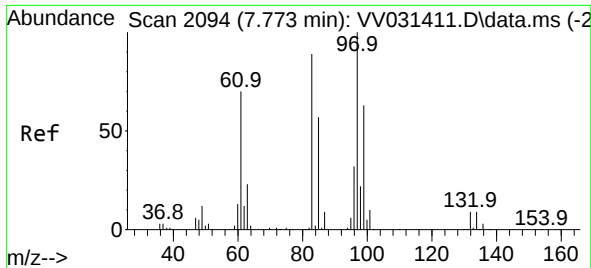
Tgt Ion: 75 Resp: 155325

Ion Ratio Lower Upper

75 100

77 31.4 22.2 41.2

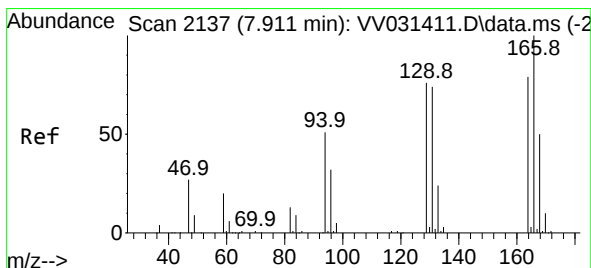
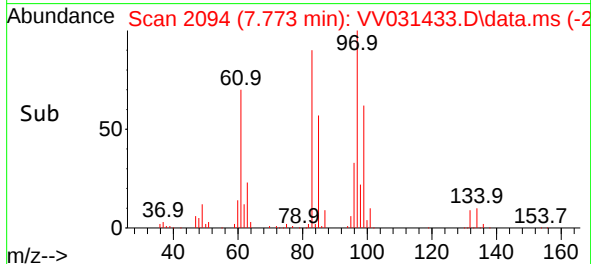
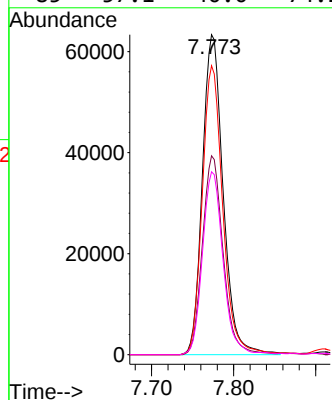
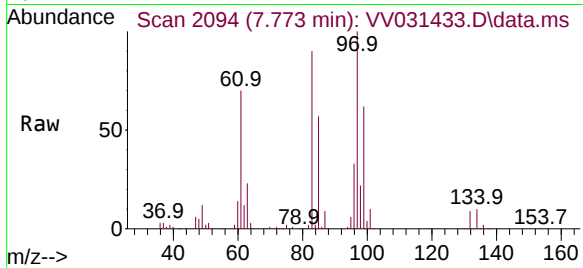




#45
1,1,2-Trichloroethane
Concen: 49.179 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. -0.000 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

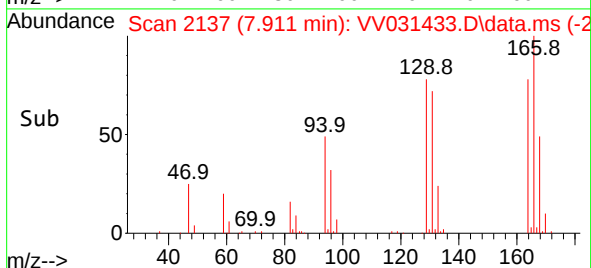
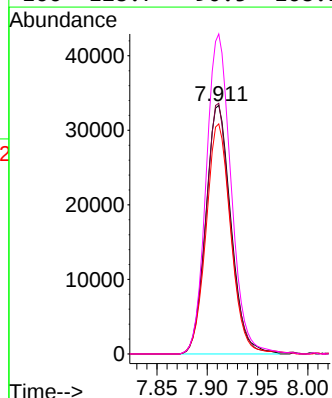
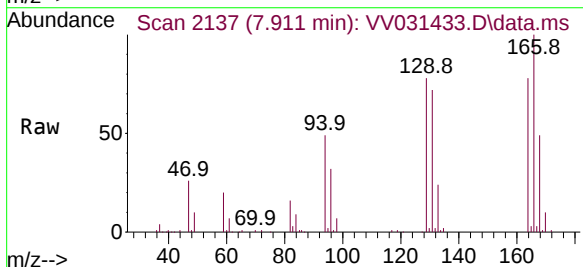
Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

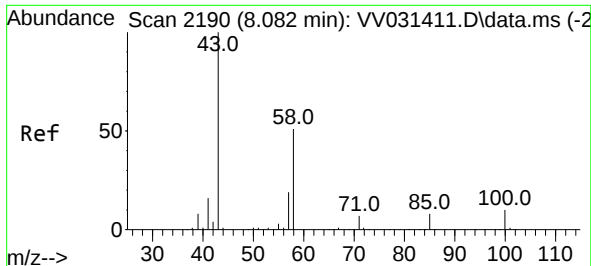
Tgt Ion: 97	Resp: 111644
Ion Ratio	Lower Upper
97 100	
99 62.2	43.8 81.4
83 90.3	61.9 115.1
85 57.1	40.0 74.2



#46
Tetrachloroethene
Concen: 46.667 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

Tgt	Ion:164	Resp:	58240
Ion	Ratio	Lower	Upper
164	100		
129	100.8	68.0	126.4
131	92.5	65.5	121.7
166	128.7	90.5	168.1



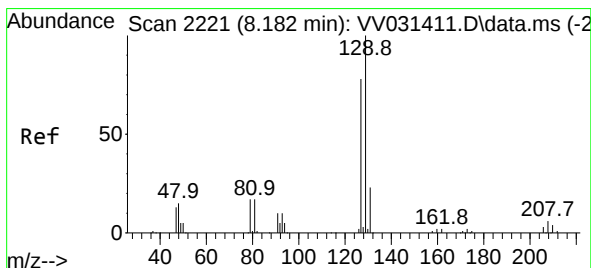
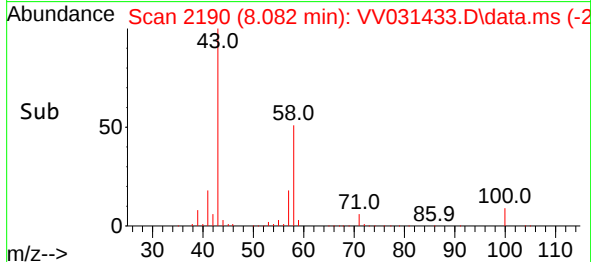
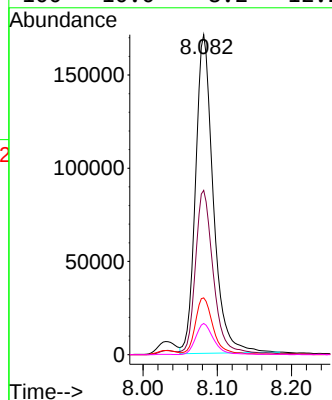
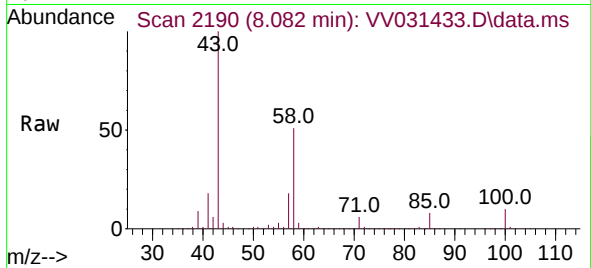


#48
2-Hexanone
Concen: 101.892 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

Tgt Ion: 43 Resp: 284550

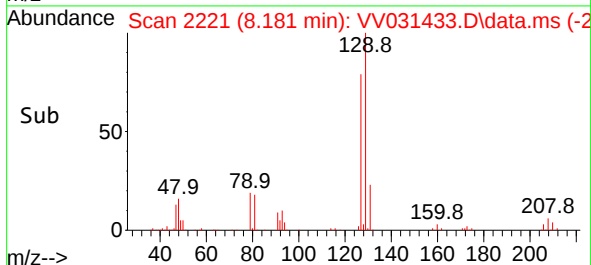
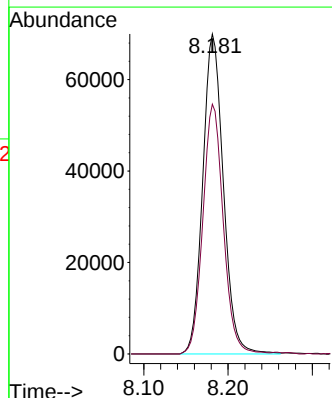
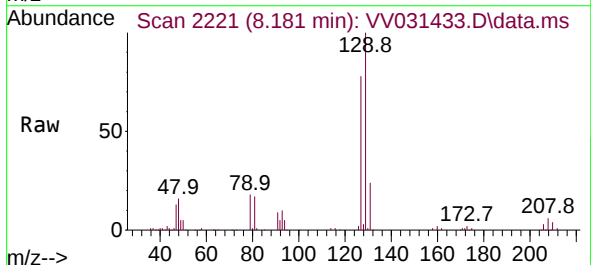
Ion	Ratio	Lower	Upper
43	100		
58	51.0	42.9	64.3
57	17.4	14.6	22.0
100	10.0	8.2	12.2

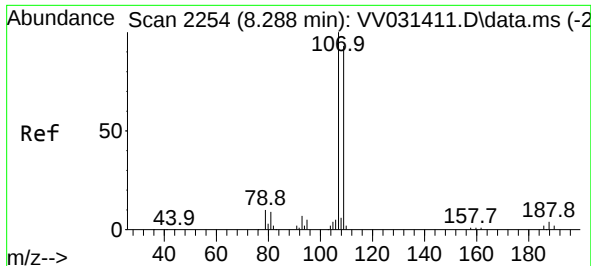


#49
Dibromochloromethane
Concen: 48.208 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

Tgt Ion: 129 Resp: 119383

Ion	Ratio	Lower	Upper
129	100		
127	78.1	55.5	103.1





#50

1,2-Dibromoethane

Concen: 48.186 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD050361

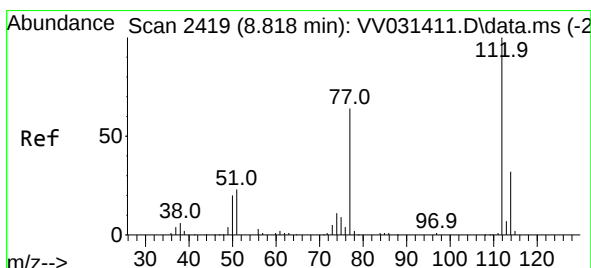
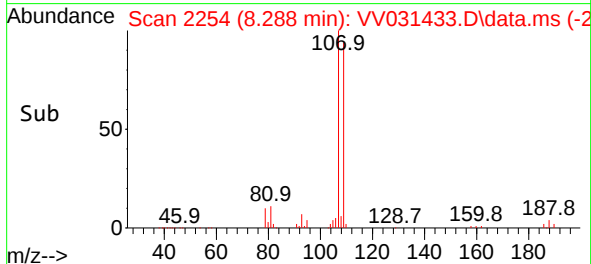
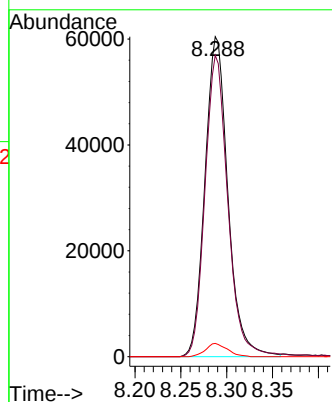
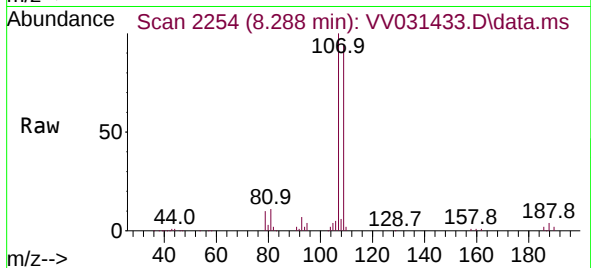
Tgt Ion:107 Resp: 105312

Ion Ratio Lower Upper

107 100

109 94.2 64.1 119.1

188 4.2 3.3 4.9



#51

Chlorobenzene

Concen: 47.526 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.000 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

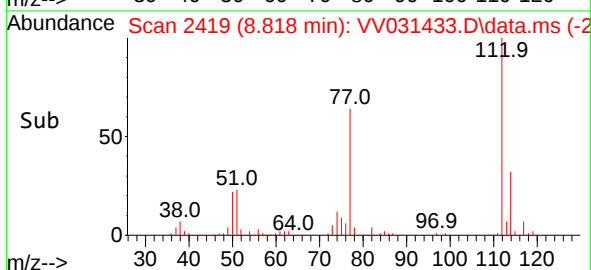
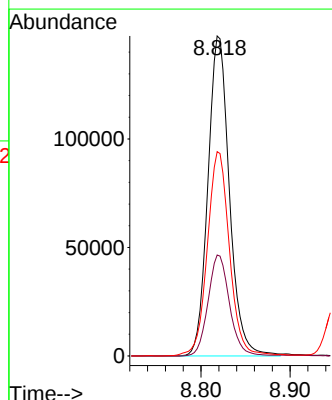
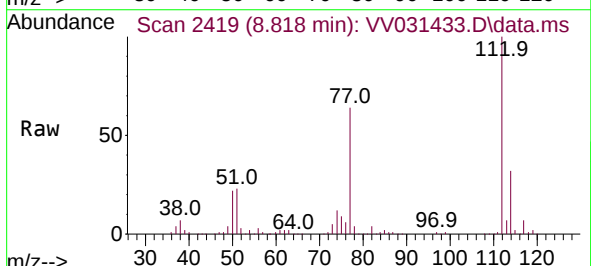
Tgt Ion:112 Resp: 246809

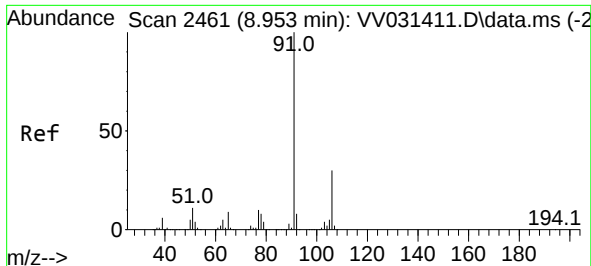
Ion Ratio Lower Upper

112 100

114 31.6 22.4 41.6

77 63.8 52.4 78.6

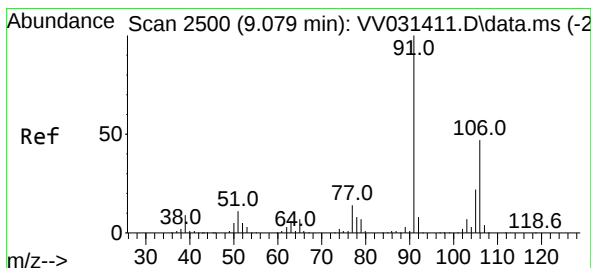
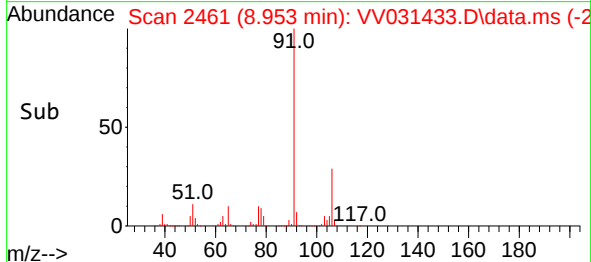
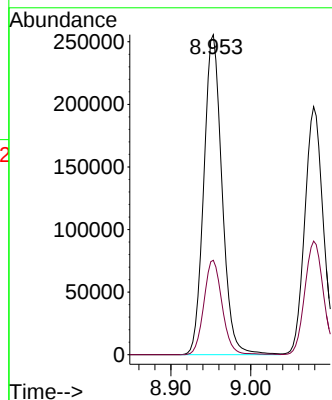
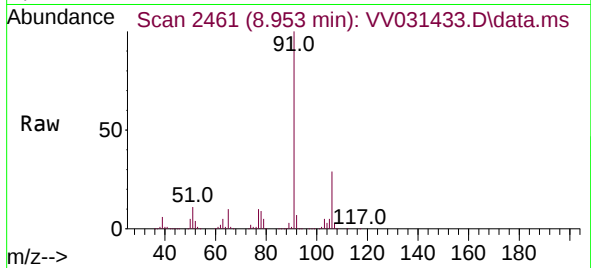




#52
Ethylbenzene
Concen: 47.683 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

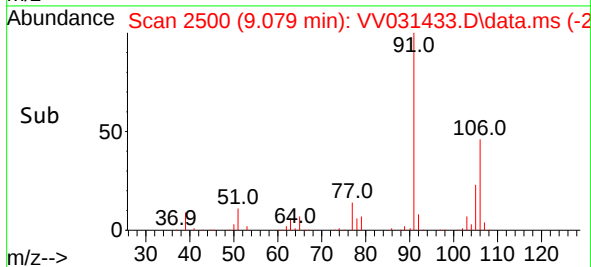
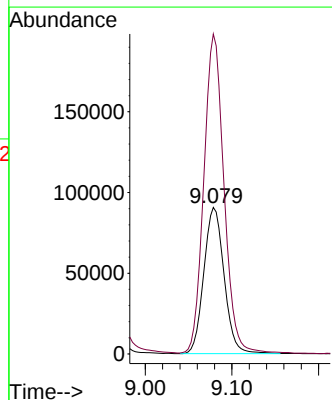
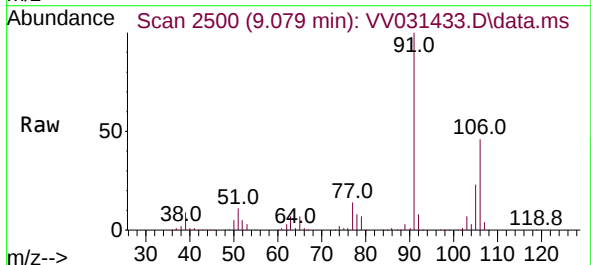
Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

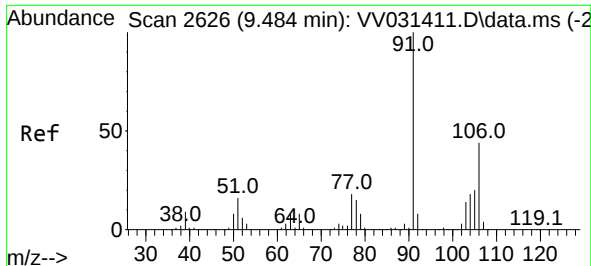
Tgt Ion: 91 Resp: 405300
Ion Ratio Lower Upper
91 100
106 29.5 20.4 38.0



#53
m,p-Xylene
Concen: 48.116 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

Tgt Ion: 106 Resp: 147384
Ion Ratio Lower Upper
106 100
91 218.3 149.4 277.5

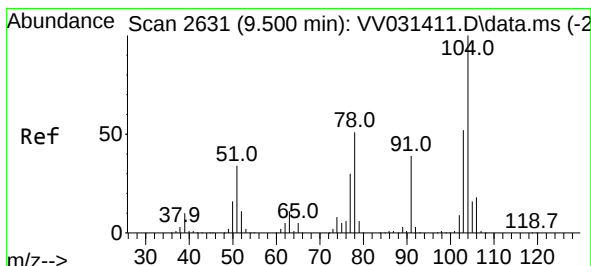
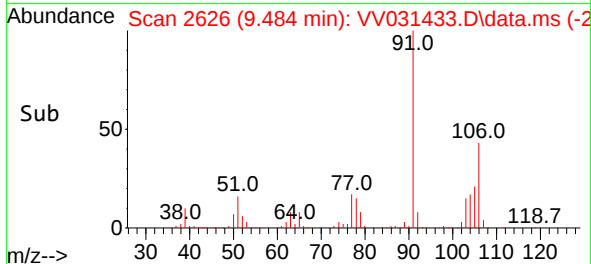
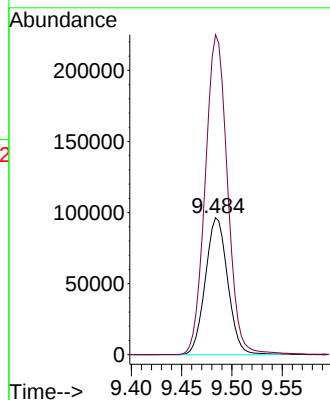
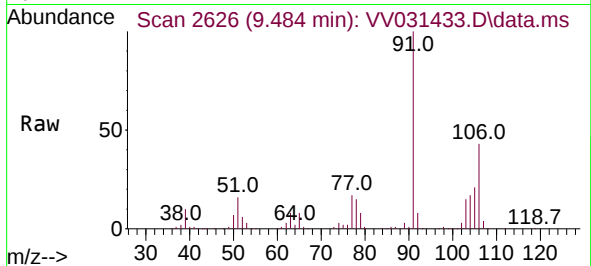




#54
o-Xylene
Concen: 48.340 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

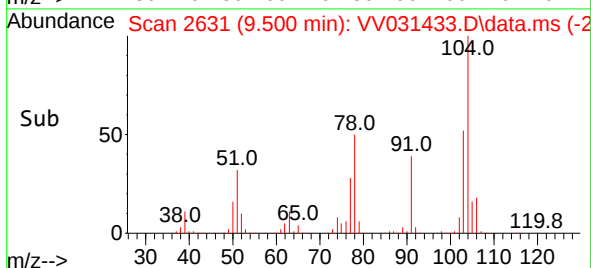
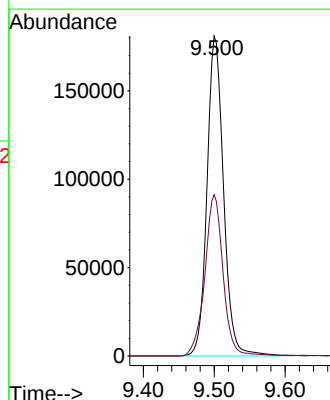
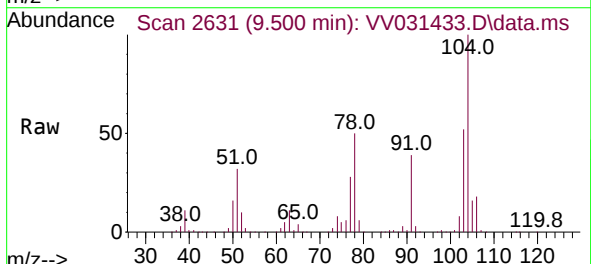
Instrument :
MSVOA_V
ClientSampleId :
VSTD050361

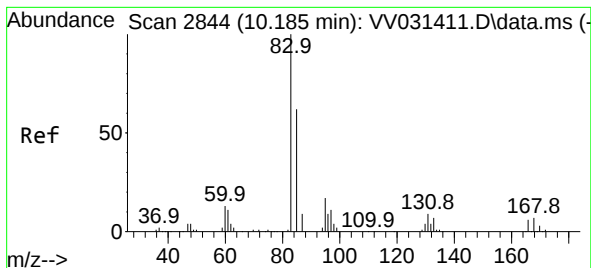
Tgt Ion:106 Resp: 149370
Ion Ratio Lower Upper
106 100
91 233.6 163.8 304.2



#55
Styrene
Concen: 52.049 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV031433.D
Acq: 08 Jun 2023 05:28

Tgt Ion:104 Resp: 293219
Ion Ratio Lower Upper
104 100
78 50.4 35.9 66.7

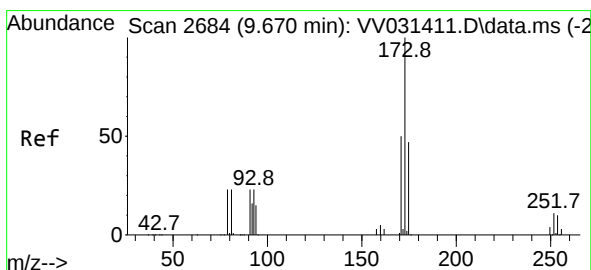
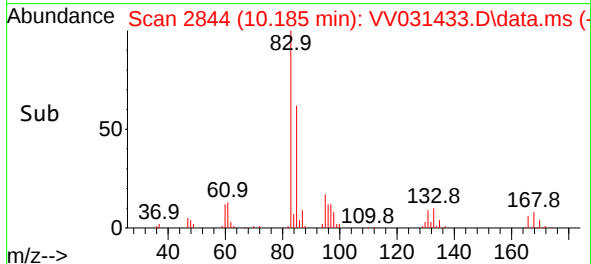
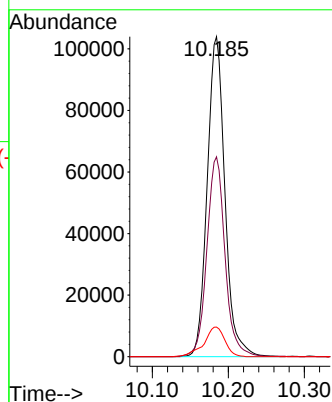
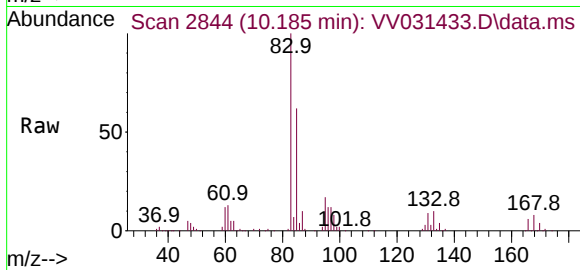




#57
 1,1,2,2-Tetrachloroethane
 Concen: 48.302 ug/L
 RT: 10.185 min Scan# 214
 Delta R.T. -0.000 min
 Lab File: VV031433.D
 Acq: 08 Jun 2023 05:28

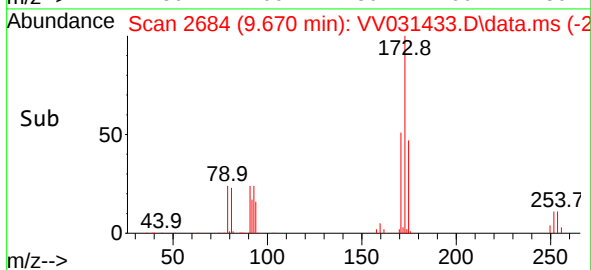
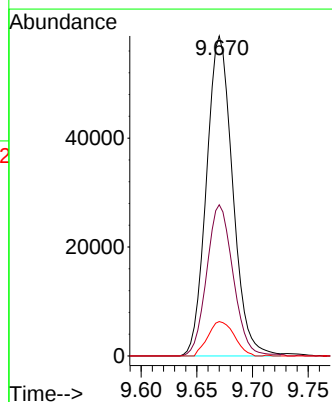
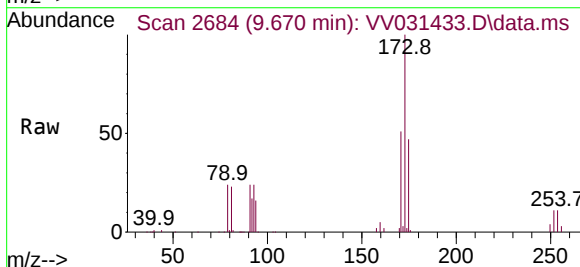
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050361

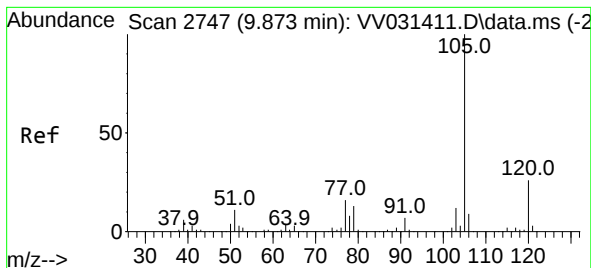
Tgt Ion: 83 Resp: 168088
 Ion Ratio Lower Upper
 83 100
 85 62.4 43.7 81.1
 131 9.2 7.3 10.9



#59
 Bromoform
 Concen: 46.274 ug/L
 RT: 9.670 min Scan# 2684
 Delta R.T. -0.000 min
 Lab File: VV031433.D
 Acq: 08 Jun 2023 05:28

Tgt Ion: 173 Resp: 96142
 Ion Ratio Lower Upper
 173 100
 175 47.5 38.8 58.2
 254 10.9 8.7 13.1





#60

Isopropylbenzene

Concen: 47.514 ug/L

RT: 9.873 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD050361

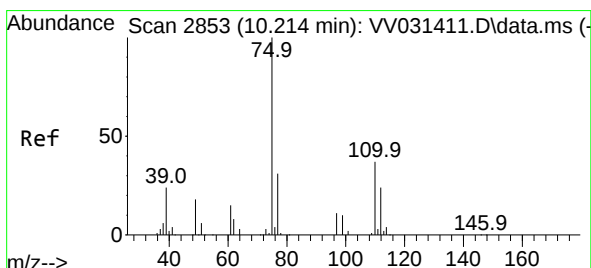
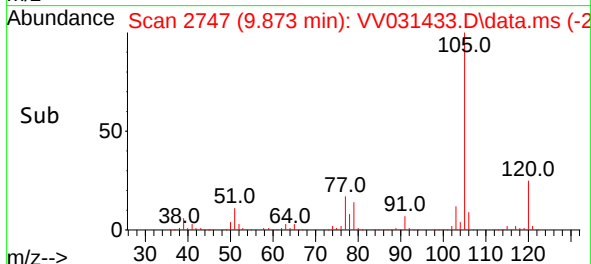
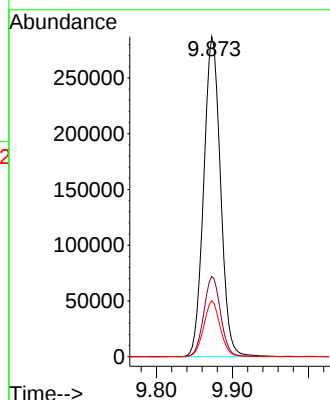
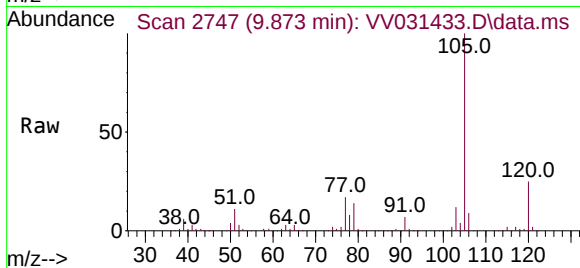
Tgt Ion:105 Resp: 440241

Ion Ratio Lower Upper

105 100

120 25.1 20.6 30.8

77 17.1 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 47.856 ug/L

RT: 10.214 min Scan# 2853

Delta R.T. -0.000 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

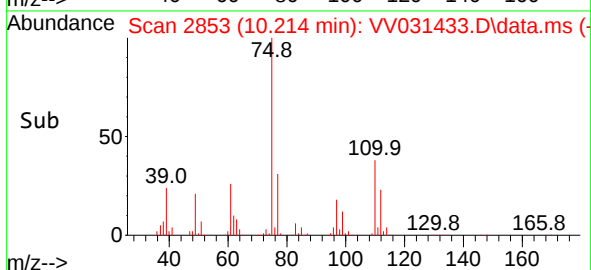
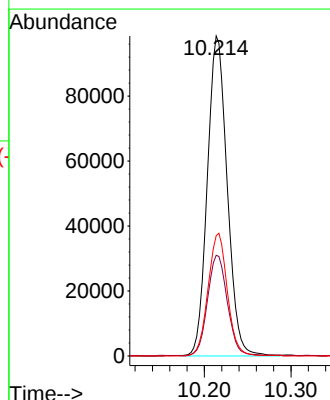
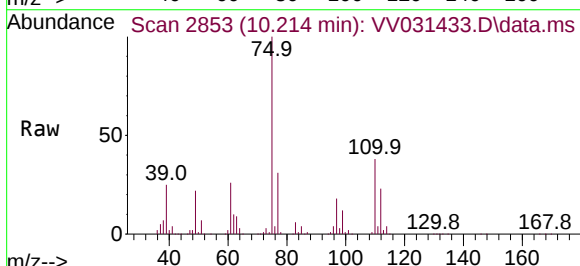
Tgt Ion: 75 Resp: 157085

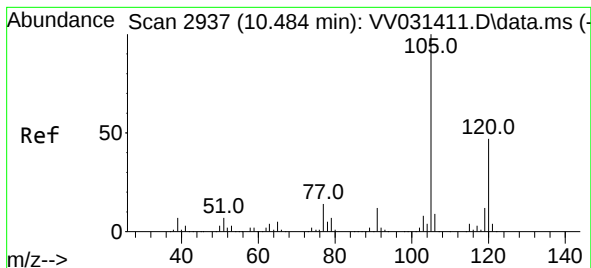
Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4

110 37.1 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 47.349 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

Instrument :

MSVOA_V

ClientSampleId :

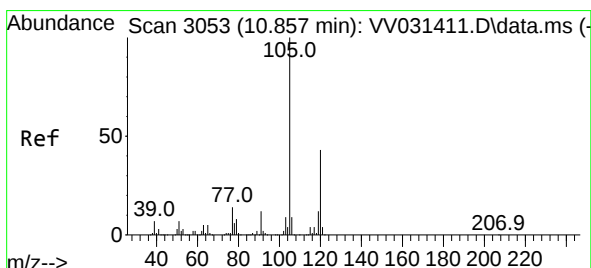
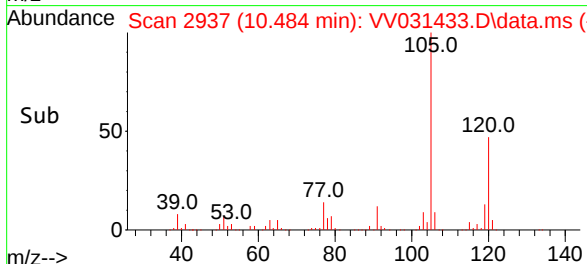
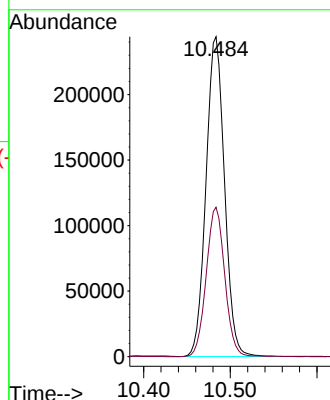
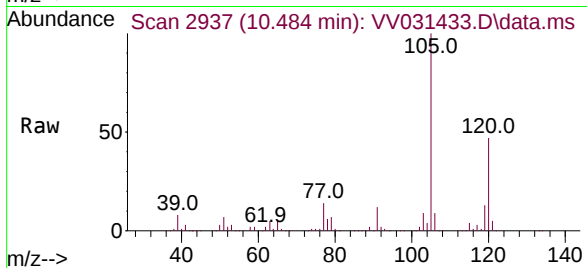
VSTD050361

Tgt Ion:105 Resp: 362317

Ion Ratio Lower Upper

105 100

120 47.0 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 48.455 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VV031433.D

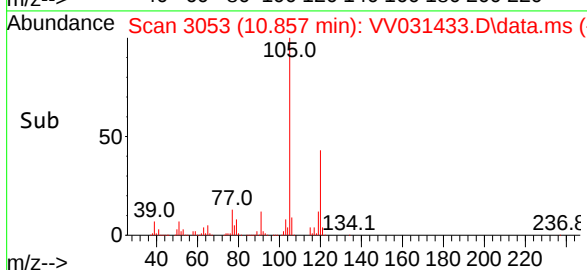
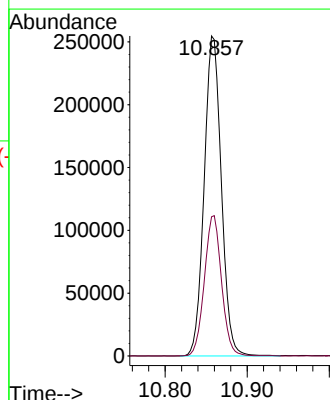
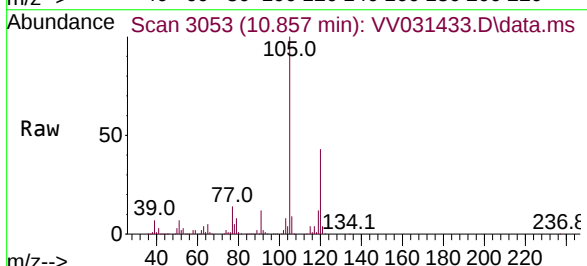
Acq: 08 Jun 2023 05:28

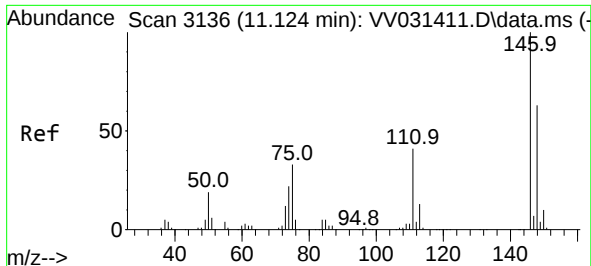
Tgt Ion:105 Resp: 371138

Ion Ratio Lower Upper

105 100

120 43.8 35.0 52.4

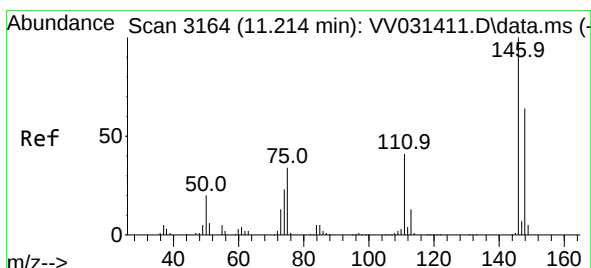
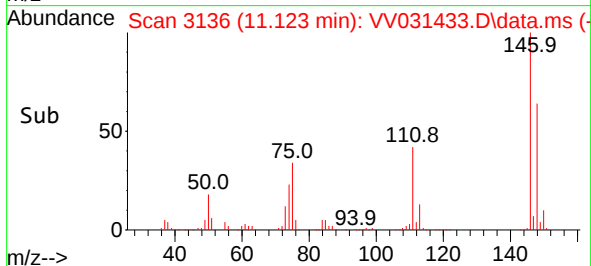
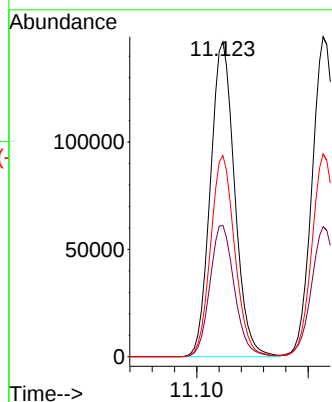
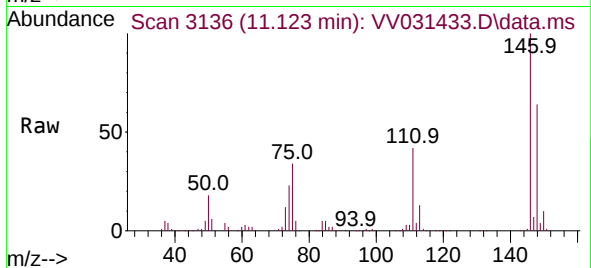




#64
 1,3-Dichlorobenzene
 Concen: 46.795 ug/L
 RT: 11.123 min Scan# 3136
 Delta R.T. -0.000 min
 Lab File: VV031433.D
 Acq: 08 Jun 2023 05:28

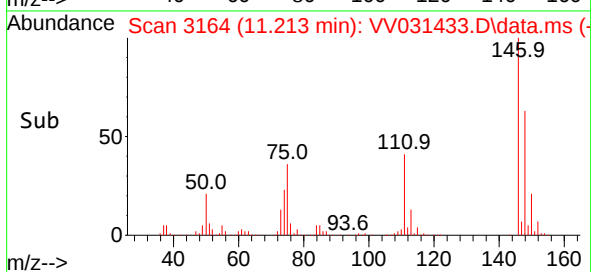
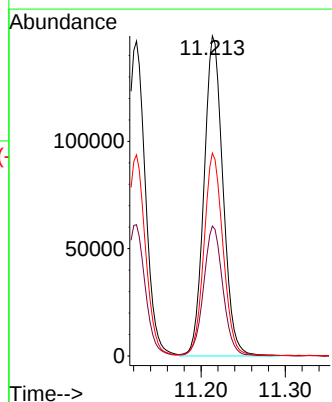
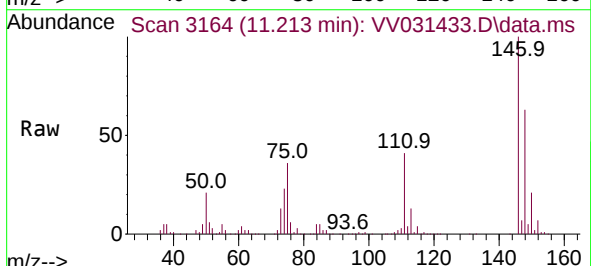
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050361

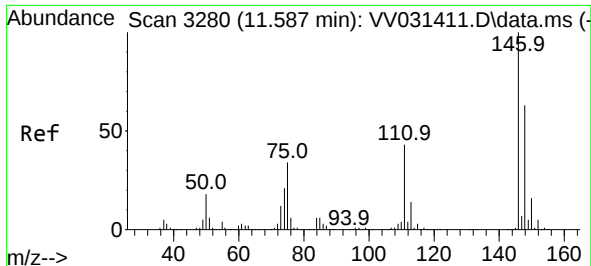
Tgt Ion:146 Resp: 221931
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.3 54.5
 148 63.9 44.3 82.3



#65
 1,4-Dichlorobenzene
 Concen: 46.620 ug/L
 RT: 11.213 min Scan# 3164
 Delta R.T. -0.000 min
 Lab File: VV031433.D
 Acq: 08 Jun 2023 05:28

Tgt Ion:146 Resp: 233863
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.1 52.3
 148 63.4 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 47.231 ug/L

RT: 11.586 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD050361

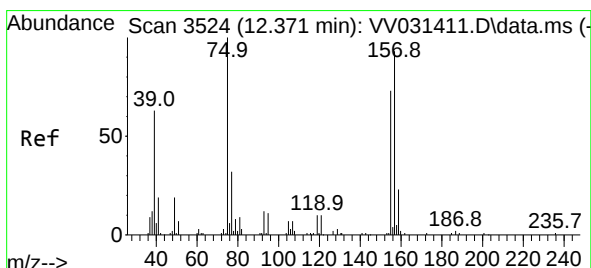
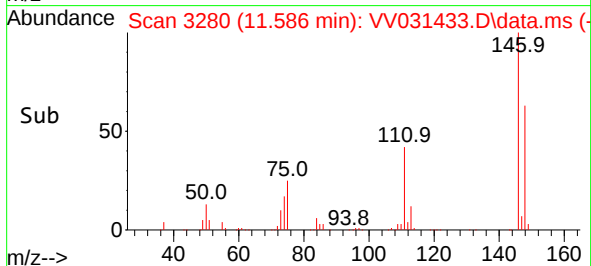
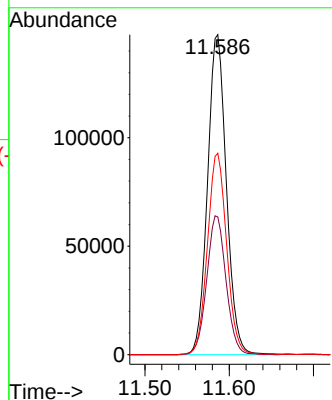
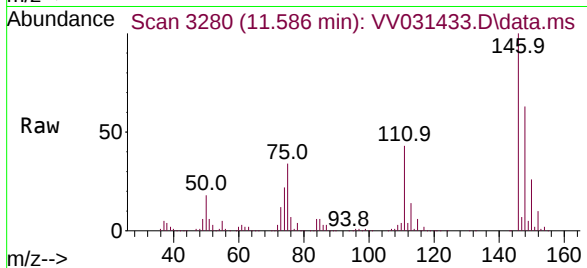
Tgt Ion:146 Resp: 229626

Ion Ratio Lower Upper

146 100

111 43.0 34.5 51.7

148 63.0 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 47.033 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.000 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

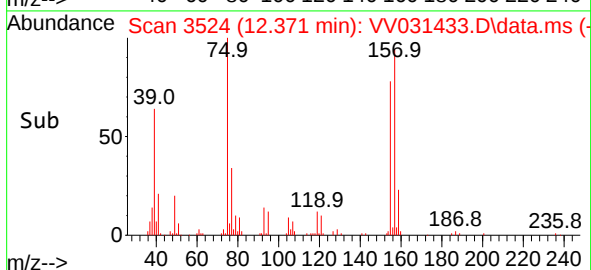
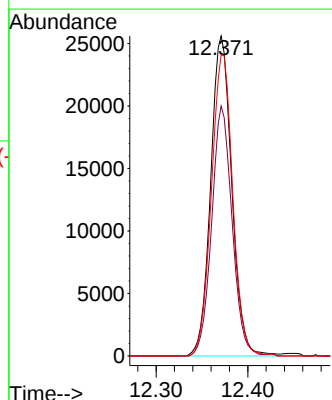
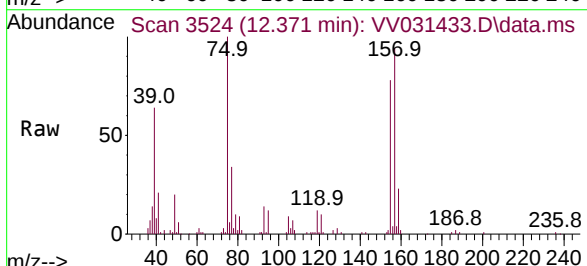
Tgt Ion: 75 Resp: 40921

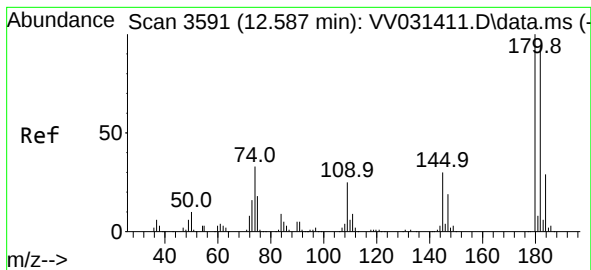
Ion Ratio Lower Upper

75 100

155 78.1 62.1 93.1

157 94.2 74.9 112.3





#69

1,3,5-Trichlorobenzene

Concen: 45.083 ug/L

RT: 12.590 min Scan# 3591

Delta R.T. 0.003 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD050361

Tgt Ion:180 Resp: 164611

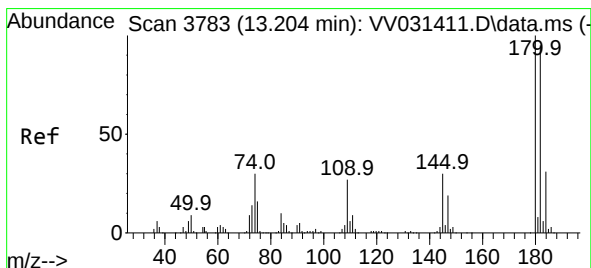
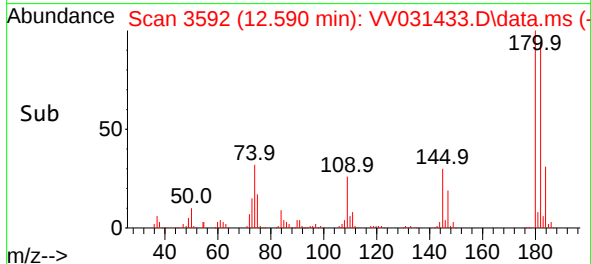
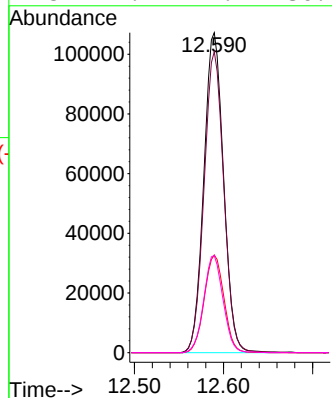
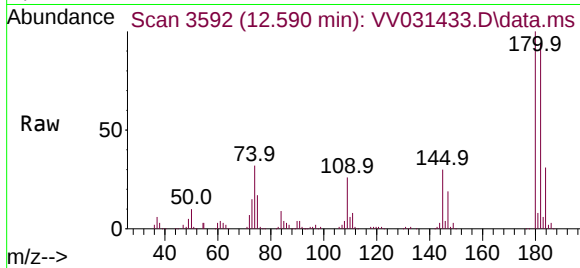
Ion Ratio Lower Upper

180 100

182 94.0 75.7 113.5

184 30.5 23.9 35.9

145 29.7 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 44.124 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.003 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

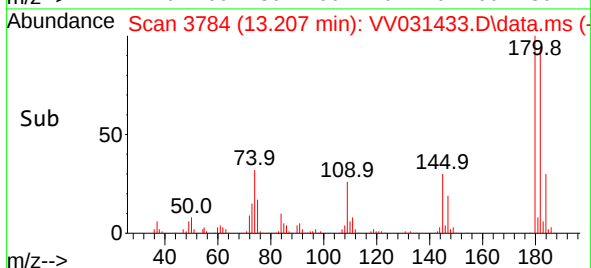
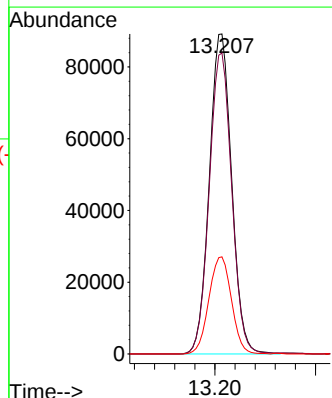
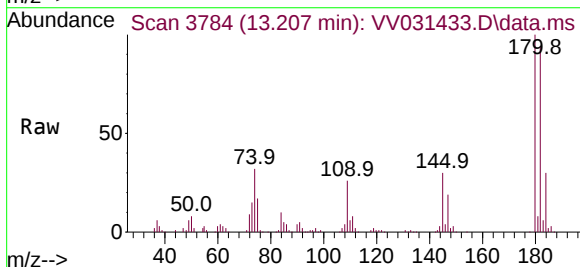
Tgt Ion:180 Resp: 137444

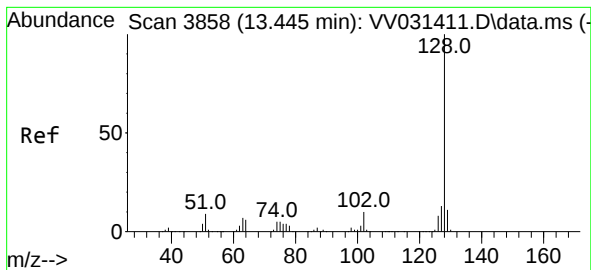
Ion Ratio Lower Upper

180 100

182 94.6 77.0 115.6

145 30.7 24.2 36.2





#71

Naphthalene

Concen: 41.517 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. -0.000 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD050361

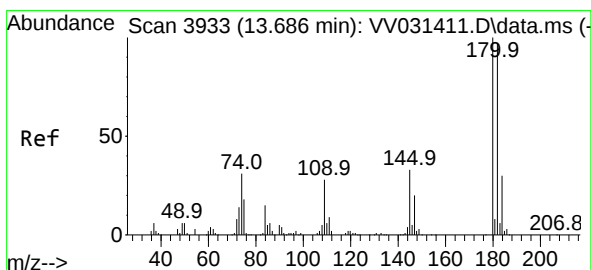
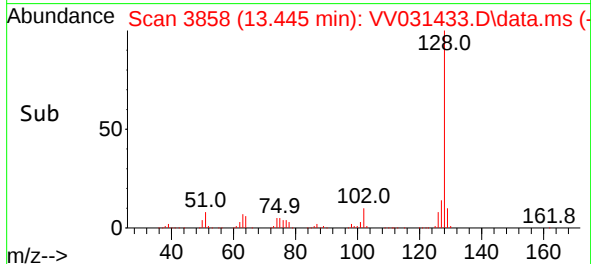
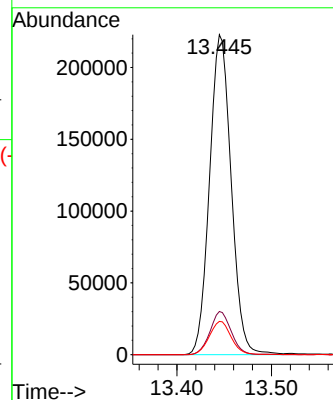
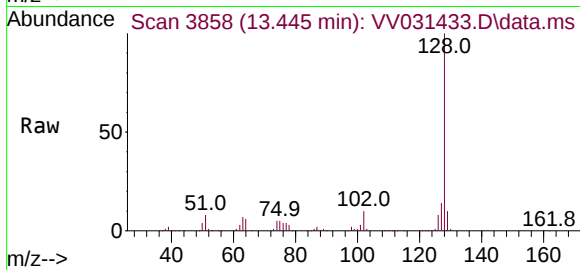
Tgt Ion:128 Resp: 354462

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

129 10.6 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 46.895 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031433.D

Acq: 08 Jun 2023 05:28

Tgt Ion:180 Resp: 146420

Ion Ratio Lower Upper

180 100

182 94.9 77.4 116.2

145 32.1 25.6 38.4

