

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062923\
 Data File : VW031628.D
 Acq On : 29 Jun 2023 18:07
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050381

Quant Time: Jun 30 04:30:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 30 04:25:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	248440	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	246184	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	147212	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	79853	48.295	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.580%
7) Chloroethane-d5	1.532	69	71327	49.440	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.880%
11) 1,1-Dichloroethene-d2	2.063	65	37949	44.533	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.060%
21) 2-Butanone-d5	3.793	46	142212	106.220	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.220%
24) Chloroform-d	4.256	84	182461	44.063	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.120%
26) 1,2-Dichloroethane-d4	4.950	65	112907	43.579	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.160%
32) Benzene-d6	4.966	84	296732	42.821	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.640%
36) 1,2-Dichloropropane-d6	5.995	67	110588	45.027	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.060%
41) Toluene-d8	7.249	98	270600	42.554	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.100%
43) trans-1,3-Dichloroprop...	7.558	79	51120	42.696	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.400%
47) 2-Hexanone-d5	8.030	63	101204	104.363	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.360%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	172228	46.458	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.920%
66) 1,2-Dichlorobenzene-d4	11.567	152	115106	41.020	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	116100	44.057	ug/L	98
3) Chloromethane	1.217	50	124456	50.050	ug/L	100
5) Vinyl chloride	1.285	62	121765	49.398	ug/L	99
6) Bromomethane	1.487	94	77813	48.433	ug/L	99
8) Chloroethane	1.548	64	77787	48.859	ug/L	96
9) Trichlorofluoromethane	1.715	101	187004	45.601	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	102775	46.765	ug/L	95
12) 1,1-Dichloroethene	2.072	96	87414	47.552	ug/L	93
13) Acetone	2.117	43	106853	80.881	ug/L	94
14) Carbon disulfide	2.243	76	245966	44.234	ug/L	98
15) Methyl Acetate	2.378	43	122787	55.203	ug/L	96
16) Methylene chloride	2.452	84	102215	44.351	ug/L	97
17) trans-1,2-Dichloroethene	2.699	96	84162	43.860	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	305449	47.707	ug/L	98
19) 1,1-Dichloroethane	3.117	63	198954	48.040	ug/L	97
20) cis-1,2-Dichloroethene	3.821	96	96754	46.658	ug/L	98
22) 2-Butanone	3.876	43	155684	94.332	ug/L	97
23) Bromochloromethane	4.156	128	51775	46.189	ug/L	93
25) Chloroform	4.285	83	199706	46.388	ug/L	100

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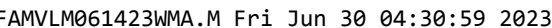
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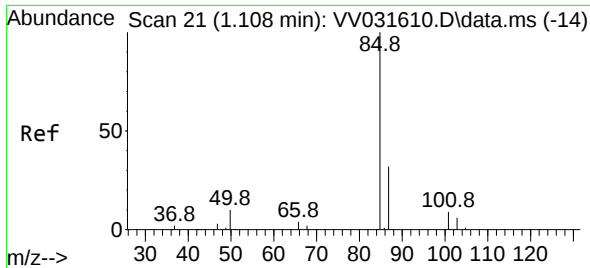
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	160586	48.330	ug/L	100
29) Cyclohexane	4.590	56	144398	45.083	ug/L	97
30) 1,1,1-Trichloroethane	4.519	97	177571	44.988	ug/L	98
31) Carbon tetrachloride	4.741	117	154383	44.144	ug/L	99
33) Benzene	5.018	78	389702	47.546	ug/L	100
34) Trichloroethene	5.841	95	101062	46.143	ug/L	97
35) Methylcyclohexane	6.056	83	137973	42.754	ug/L	96
37) 1,2-Dichloropropane	6.101	63	116007	48.199	ug/L	100
38) Bromodichloromethane	6.439	83	151079	46.440	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	165649	46.364	ug/L	100
40) 4-Methyl-2-pentanone	7.165	43	317899	112.486	ug/L	97
42) Toluene	7.323	91	405798	47.751	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	166614	47.887	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	109674	48.237	ug/L	99
46) Tetrachloroethene	7.911	164	73955	43.022	ug/L	94
48) 2-Hexanone	8.082	43	243641	107.944	ug/L	95
49) Dibromochloromethane	8.181	129	115234	45.602	ug/L	99
50) 1,2-Dibromoethane	8.288	107	111926	46.233	ug/L	97
51) Chlorobenzene	8.818	112	252450	44.853	ug/L	100
52) Ethylbenzene	8.953	91	437859	46.175	ug/L	100
53) m,p-Xylene	9.079	106	160954	46.349	ug/L	97
54) o-Xylene	9.487	106	153273	46.510	ug/L	98
55) Styrene	9.503	104	293551	49.877	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	181274	48.796	ug/L	98
59) Bromoform	9.670	173	88226	48.348	ug/L #	98
60) Isopropylbenzene	9.873	105	425234	45.309	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	141775	48.759	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	345522	44.545	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	320225	44.307	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	210336	44.702	ug/L	98
65) 1,4-Dichlorobenzene	11.213	146	220128	43.903	ug/L	97
67) 1,2-Dichlorobenzene	11.586	146	211853	44.610	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	43155	50.006	ug/L	94
69) 1,3,5-Trichlorobenzene	12.590	180	155063	43.250	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	140673	44.763	ug/L	99
71) Naphthalene	13.445	128	401698	50.464	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	150358	46.041	ug/L	96

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

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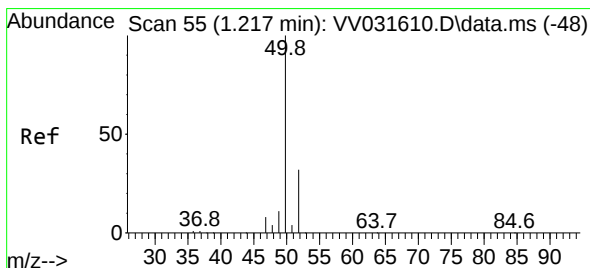
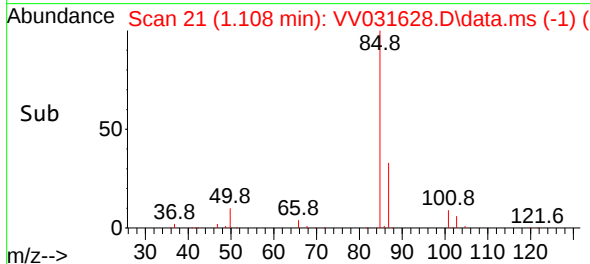
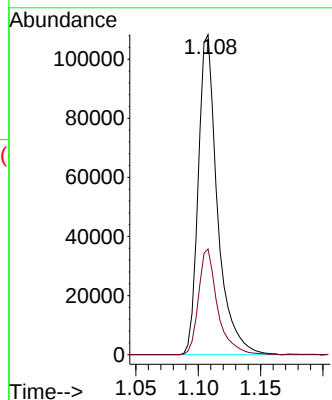
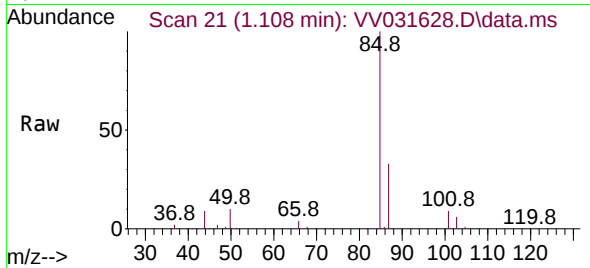




#2
 Dichlorodifluoromethane
 Concen: 44.057 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031628.D
 Acq: 29 Jun 2023 18:07

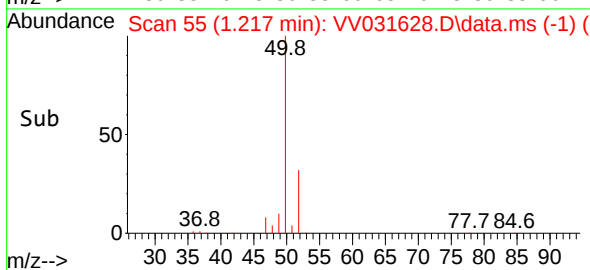
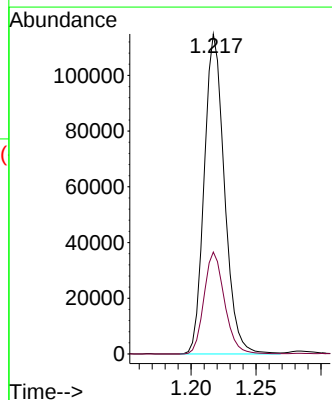
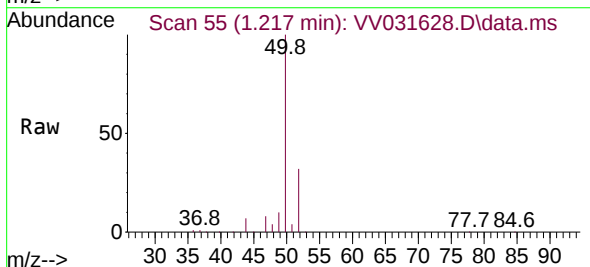
Instrument :
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 ClientSampleId :
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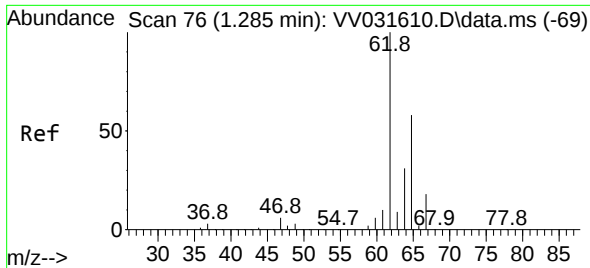
Tgt Ion: 85 Resp: 116100
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.5 38.3



#3
 Chloromethane
 Concen: 50.050 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031628.D
 Acq: 29 Jun 2023 18:07

Tgt Ion: 50 Resp: 124456
 Ion Ratio Lower Upper
 50 100
 52 31.8 22.3 41.5

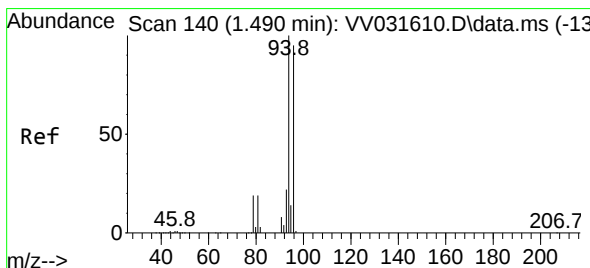
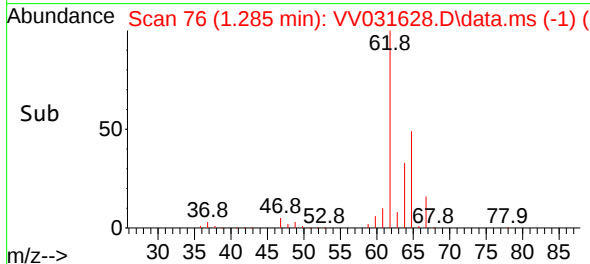
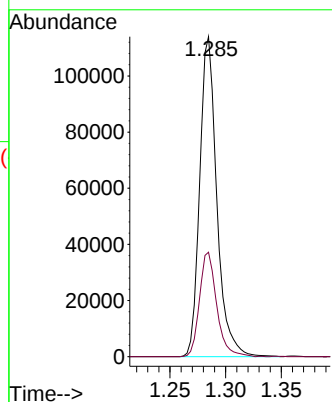
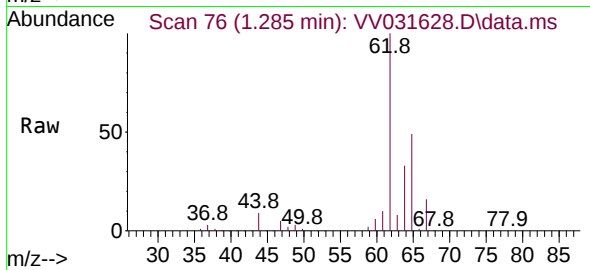




#5
 Vinyl chloride
 Concen: 49.398 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV031628.D
 Acq: 29 Jun 2023 18:07

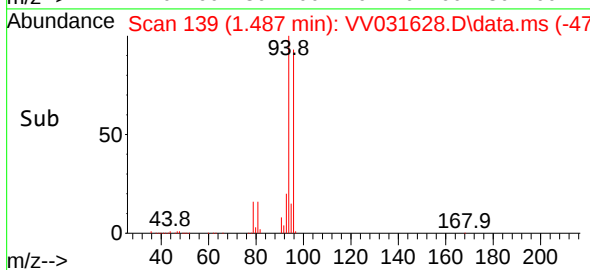
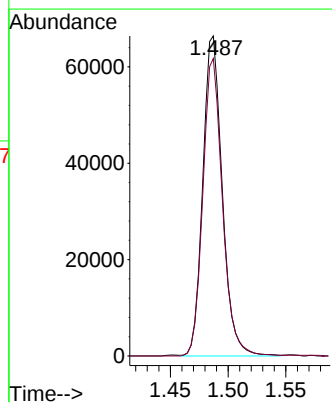
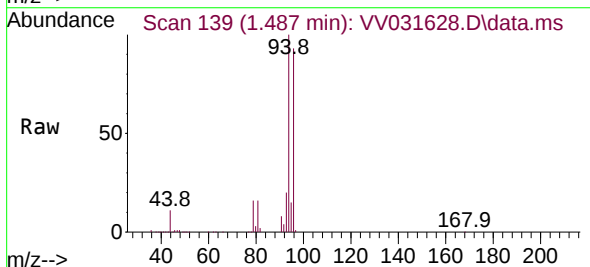
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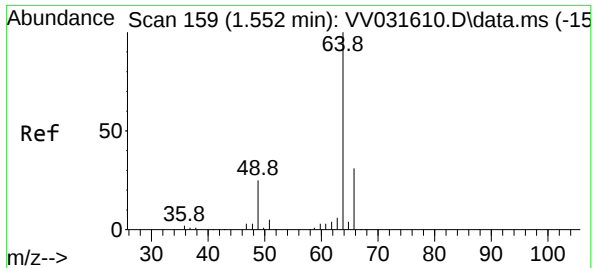
Tgt Ion: 62 Resp: 121765
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.4 43.4



#6
 Bromomethane
 Concen: 48.433 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV031628.D
 Acq: 29 Jun 2023 18:07

Tgt Ion: 94 Resp: 77813
 Ion Ratio Lower Upper
 94 100
 96 94.3 65.4 121.4

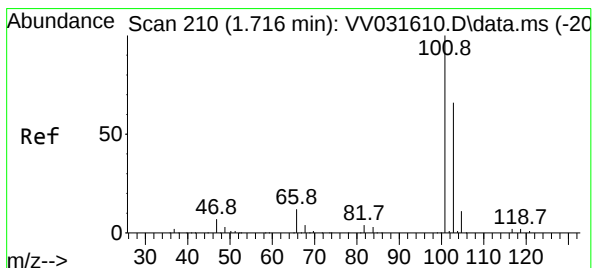
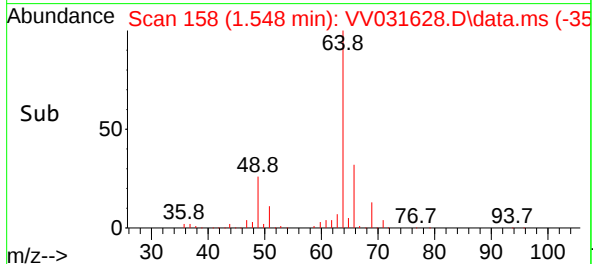
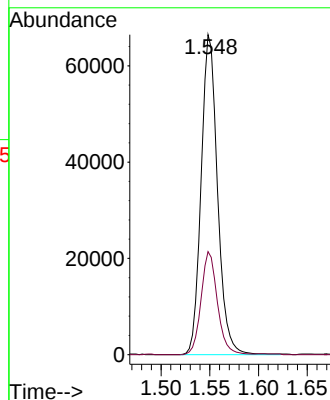
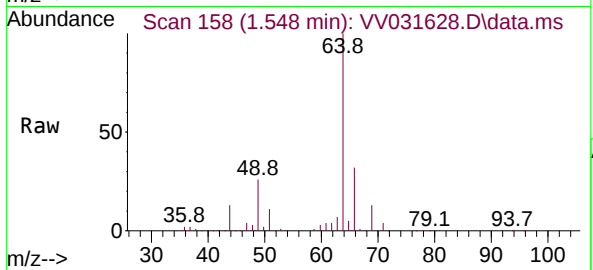




#8
Chloroethane
Concen: 48.859 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

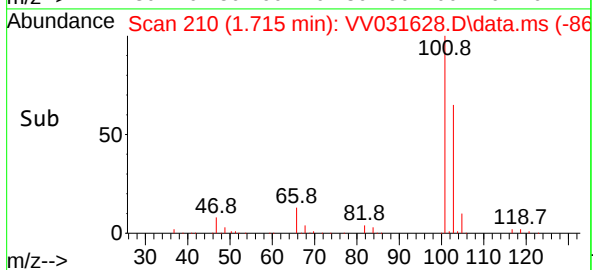
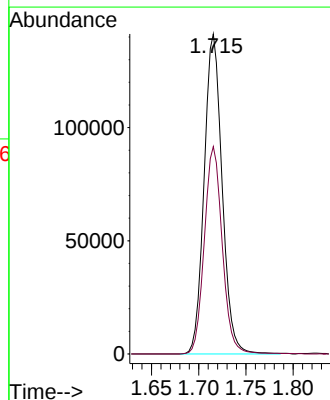
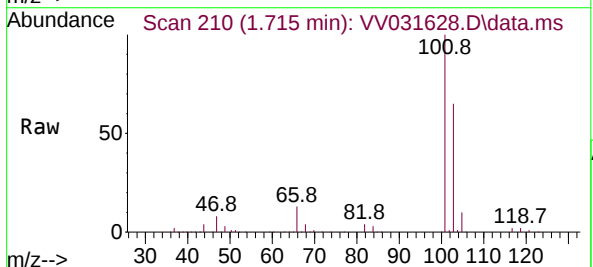
Instrument :
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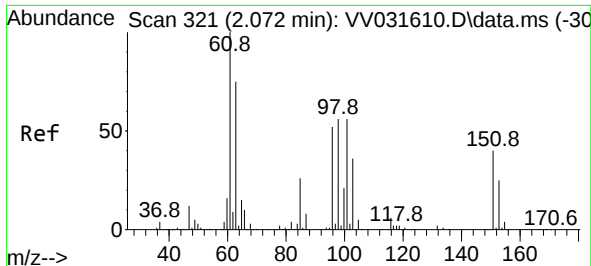
Tgt Ion: 64 Resp: 77787
Ion Ratio Lower Upper
64 100
66 32.2 21.0 39.0



#9
Trichlorofluoromethane
Concen: 45.601 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

Tgt Ion:101 Resp: 187004
Ion Ratio Lower Upper
101 100
103 64.6 50.9 76.3

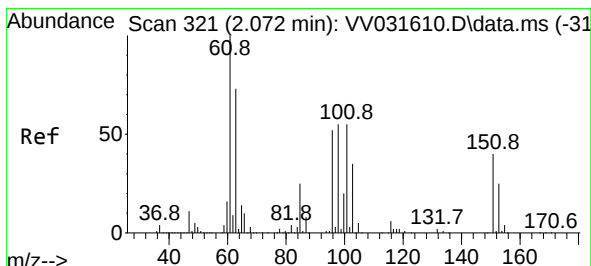
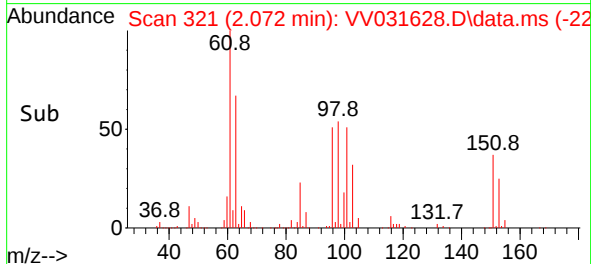
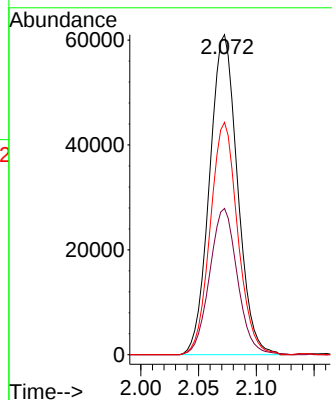
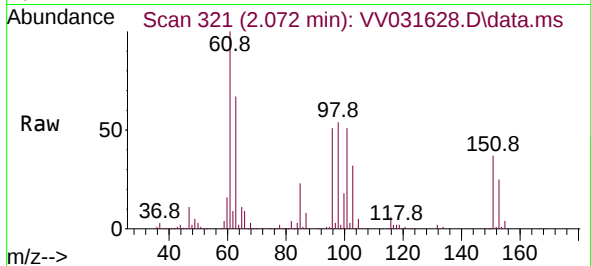




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.765 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV031628.D
 Acq: 29 Jun 2023 18:07

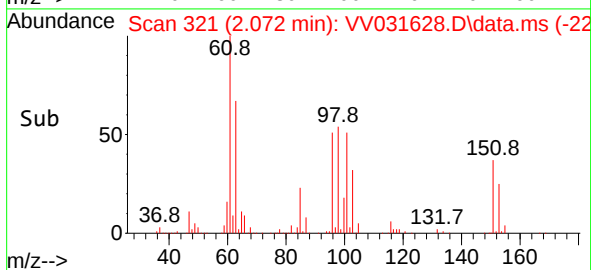
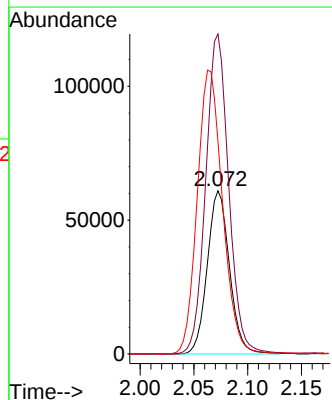
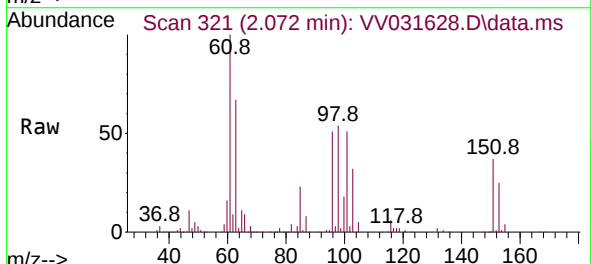
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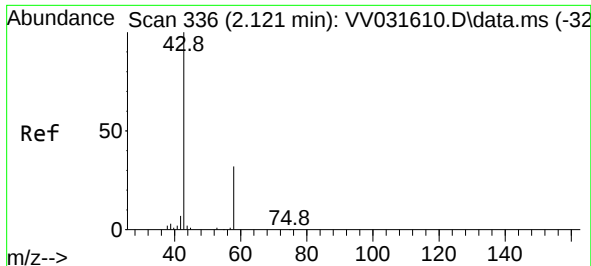
Tgt Ion:101 Resp: 102775
 Ion Ratio Lower Upper
 101 100
 85 45.5 37.4 56.0
 151 71.5 62.3 93.5



#12
 1,1-Dichloroethene
 Concen: 47.552 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV031628.D
 Acq: 29 Jun 2023 18:07

Tgt Ion: 96 Resp: 87414
 Ion Ratio Lower Upper
 96 100
 61 196.0 128.9 239.5
 63 130.4 95.3 177.1





#13

Acetone

Concen: 80.881 ug/L

RT: 2.117 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

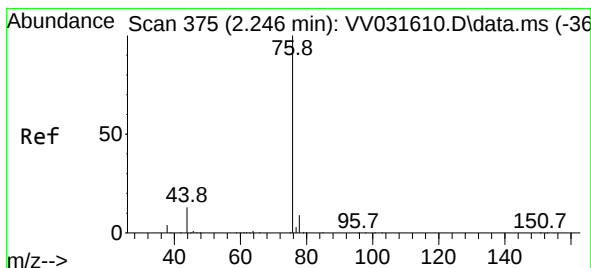
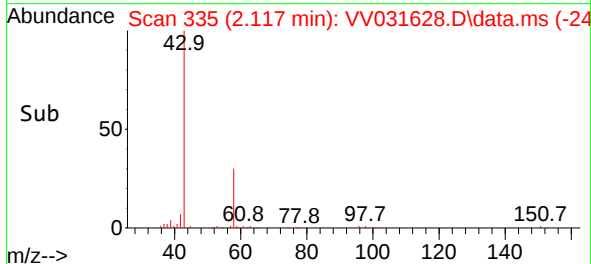
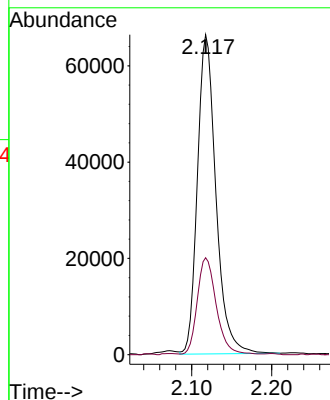
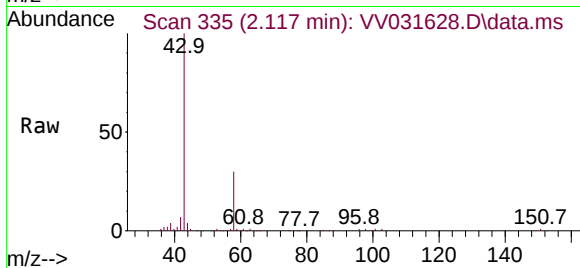
VSTD050381

Tgt Ion: 43 Resp: 106853

Ion Ratio Lower Upper

43 100

58 31.0 0.0 68.6



#14

Carbon disulfide

Concen: 44.234 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

Lab File: VV031628.D

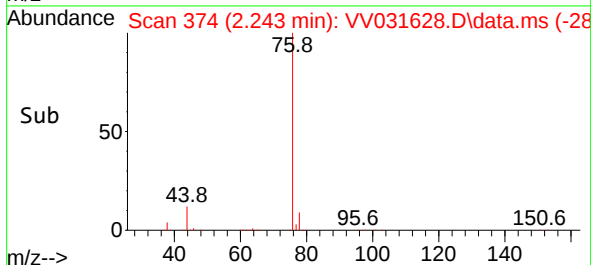
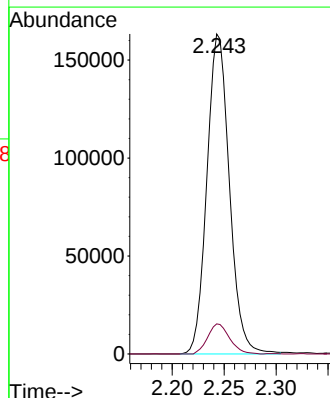
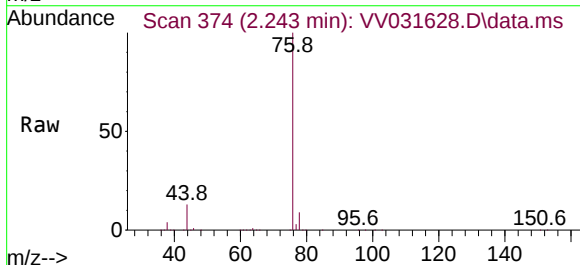
Acq: 29 Jun 2023 18:07

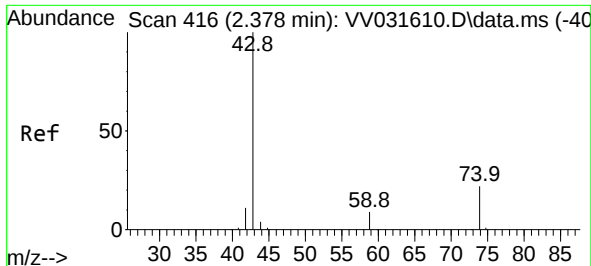
Tgt Ion: 76 Resp: 245966

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7

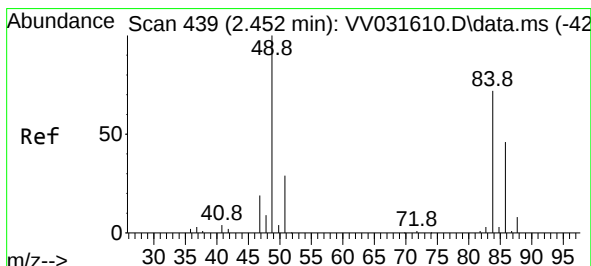
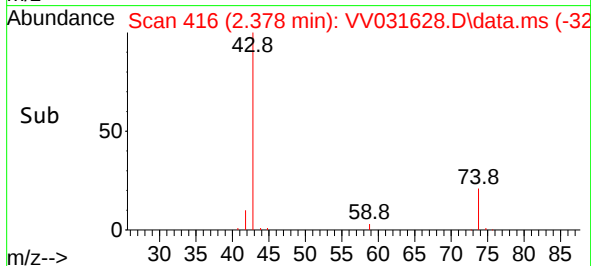
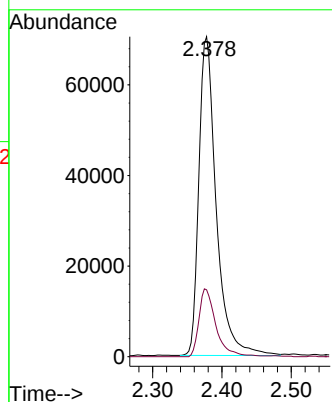
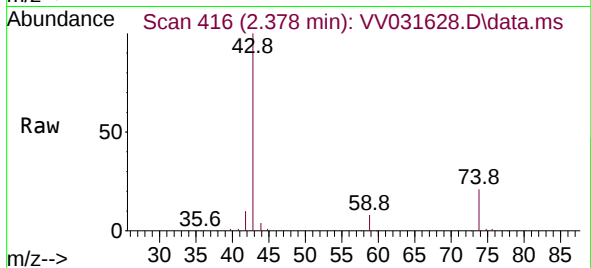




#15
Methyl Acetate
Concen: 55.203 ug/L
RT: 2.378 min Scan# 416
Delta R.T. -0.000 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

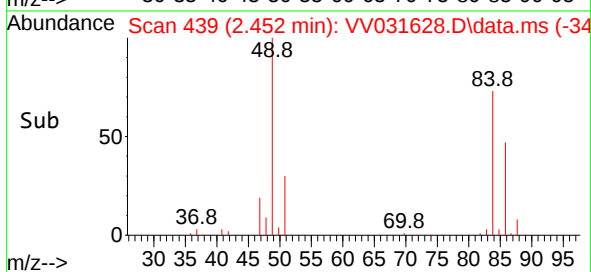
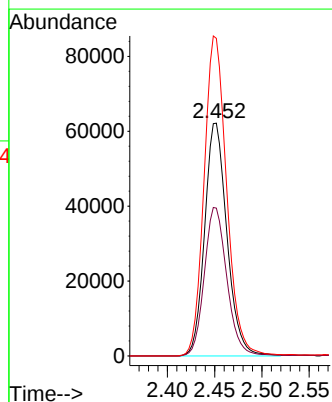
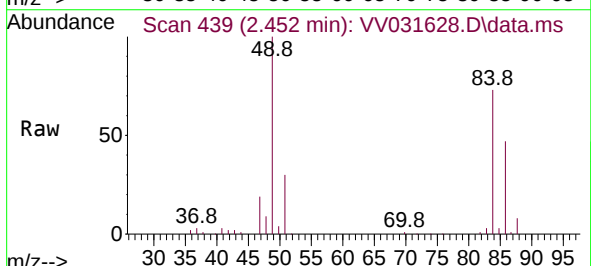
Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

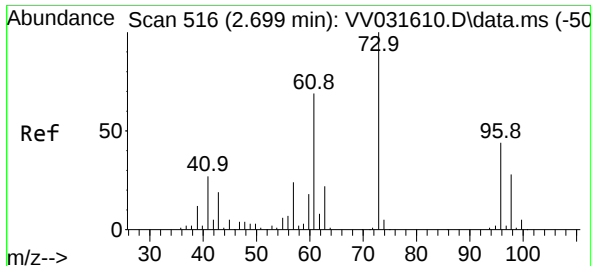
Tgt Ion: 43 Resp: 122787
Ion Ratio Lower Upper
43 100
74 20.5 17.8 26.6



#16
Methylene chloride
Concen: 44.351 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.000 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

Tgt Ion: 84 Resp: 102215
Ion Ratio Lower Upper
84 100
86 64.6 45.8 85.0
49 136.5 92.1 171.1





#17

trans-1,2-Dichloroethene

Concen: 43.860 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050381

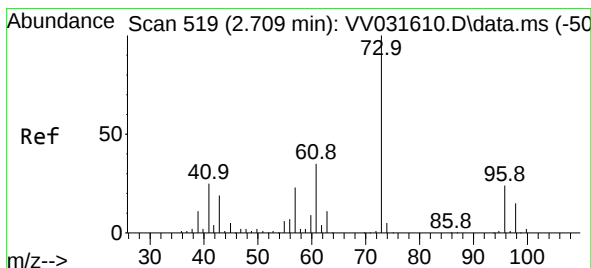
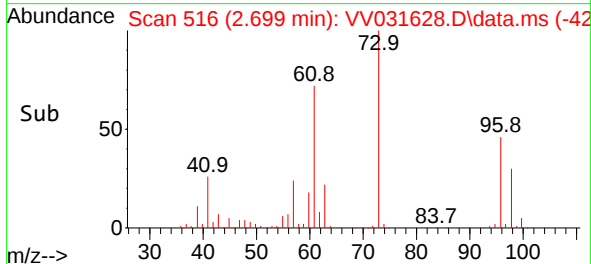
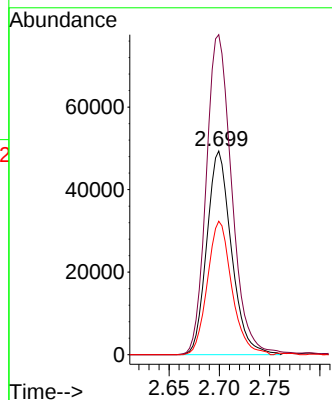
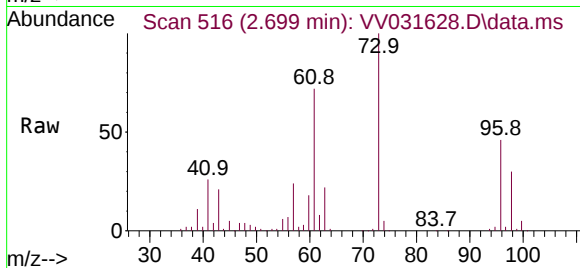
Tgt Ion: 96 Resp: 84162

Ion Ratio Lower Upper

96 100

61 149.4 102.5 190.3

98 62.3 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 47.707 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.000 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

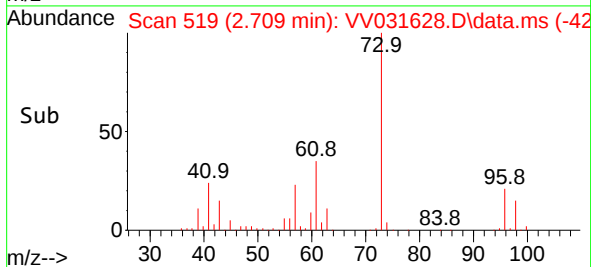
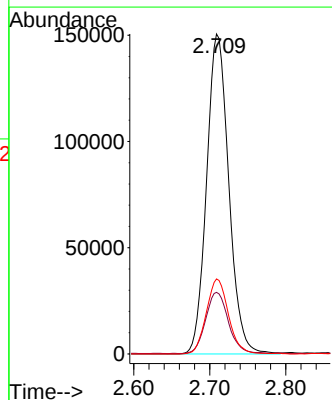
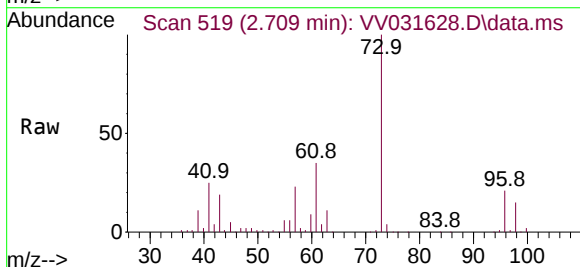
Tgt Ion: 73 Resp: 305449

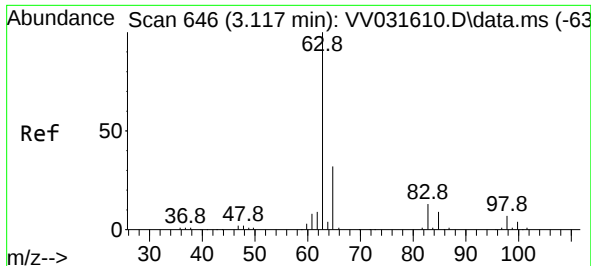
Ion Ratio Lower Upper

73 100

43 19.6 15.0 22.4

57 23.3 18.2 27.4





#19

1,1-Dichloroethane

Concen: 48.040 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050381

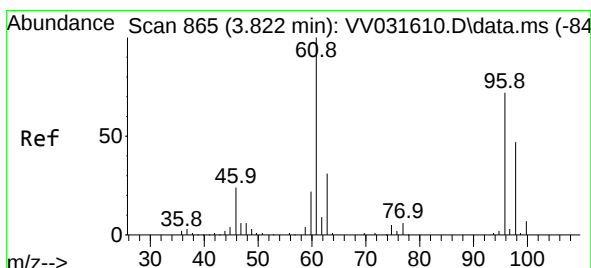
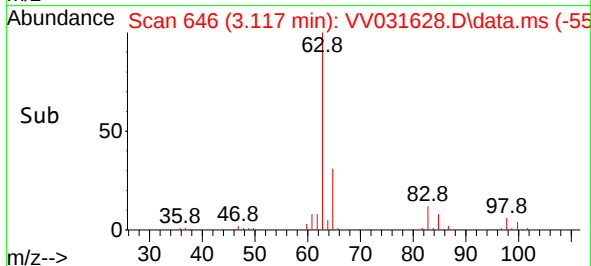
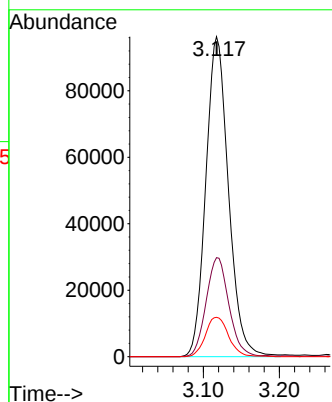
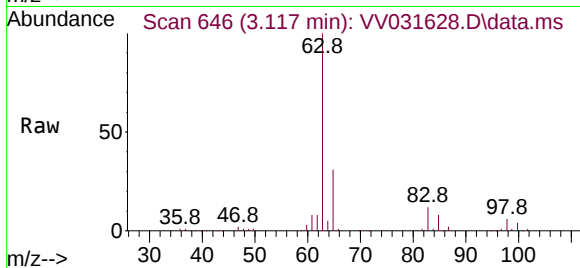
Tgt Ion: 63 Resp: 198954

Ion Ratio Lower Upper

63 100

65 30.9 22.5 41.7

83 12.3 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 46.658 ug/L

RT: 3.821 min Scan# 865

Delta R.T. -0.000 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

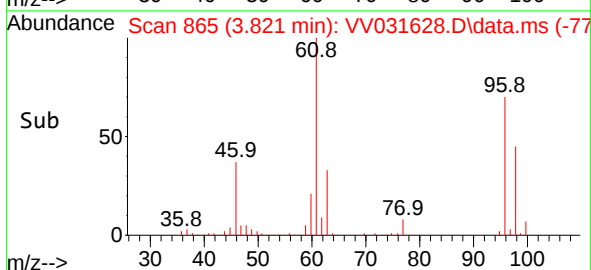
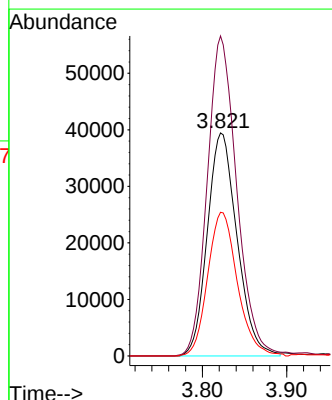
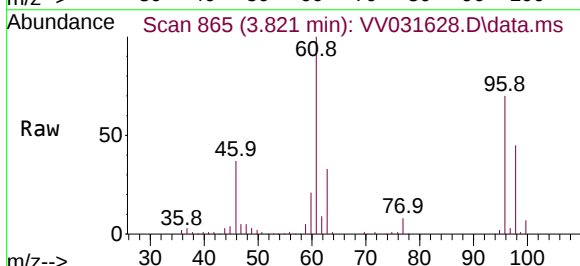
Tgt Ion: 96 Resp: 96754

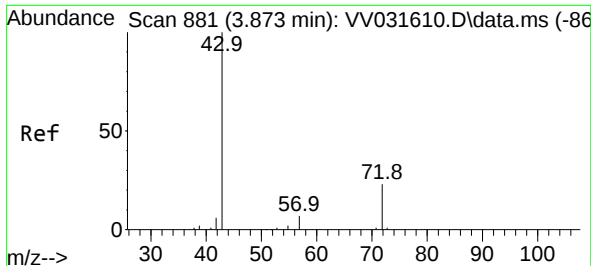
Ion Ratio Lower Upper

96 100

61 143.5 98.6 183.0

98 66.2 45.7 84.9

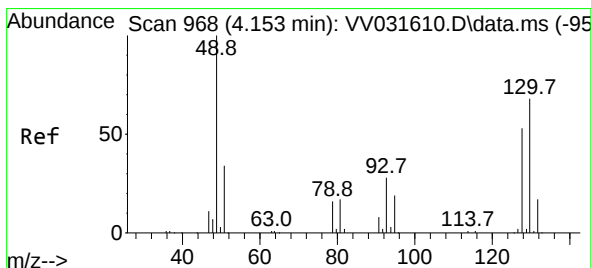
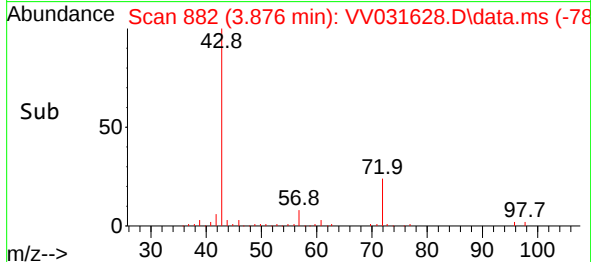
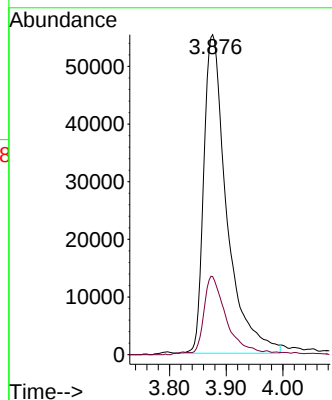
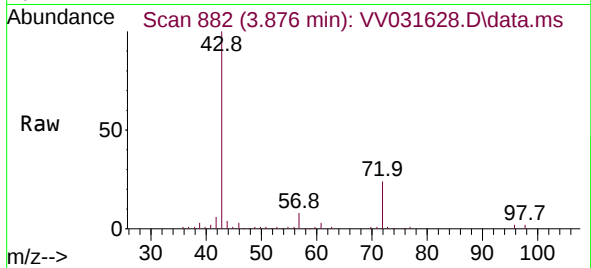




#22
2-Butanone
Concen: 94.332 ug/L
RT: 3.876 min Scan# 881
Delta R.T. 0.003 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

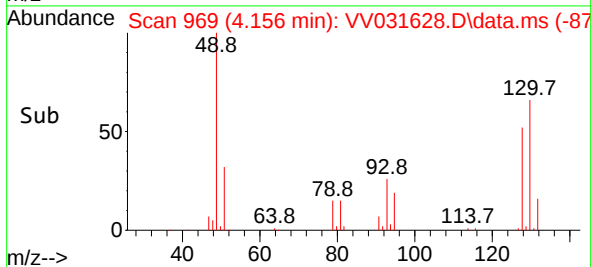
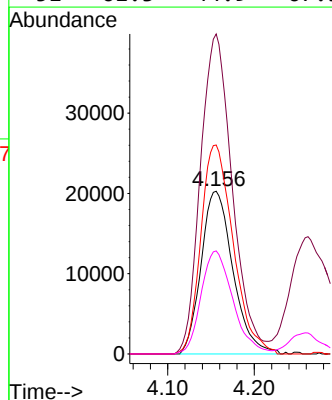
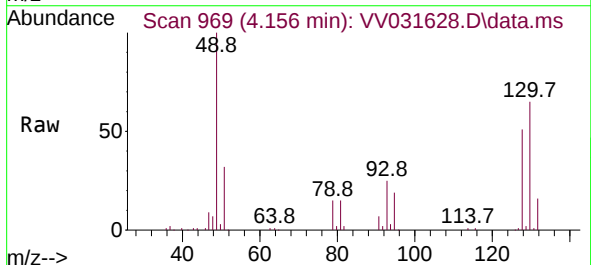
Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

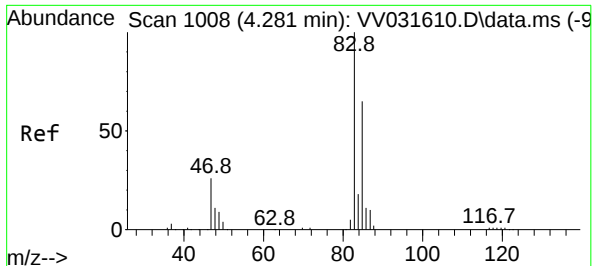
Tgt Ion: 43 Resp: 155684
Ion Ratio Lower Upper
43 100
72 22.7 12.2 36.4



#23
Bromochloromethane
Concen: 46.189 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.003 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

Tgt Ion: 128 Resp: 51775
Ion Ratio Lower Upper
128 100
49 188.2 120.6 224.0
130 124.8 88.1 163.7
51 61.3 44.9 67.3





#25

Chloroform

Concen: 46.388 ug/L

RT: 4.285 min Scan# 1008

Delta R.T. 0.003 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

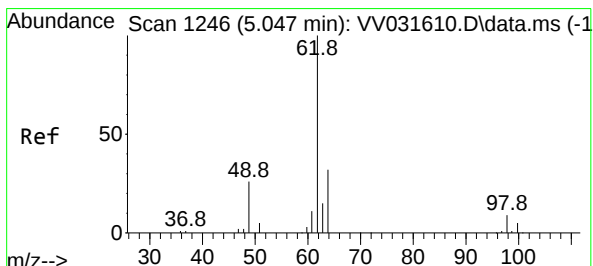
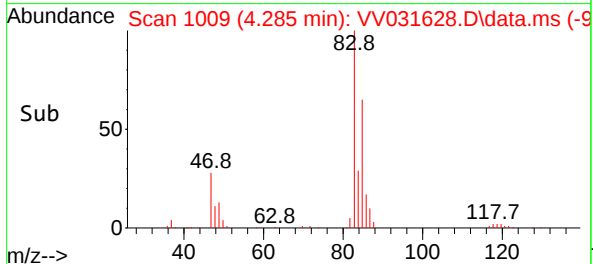
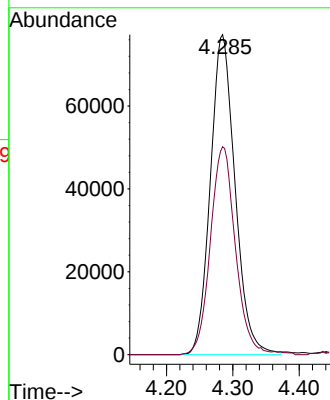
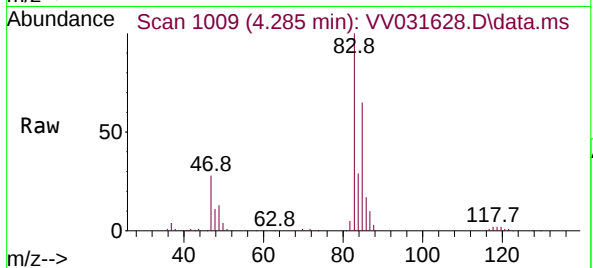
VSTD050381

Tgt Ion: 83 Resp: 199706

Ion Ratio Lower Upper

83 100

85 65.0 45.3 84.1



#27

1,2-Dichloroethane

Concen: 48.330 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VV031628.D

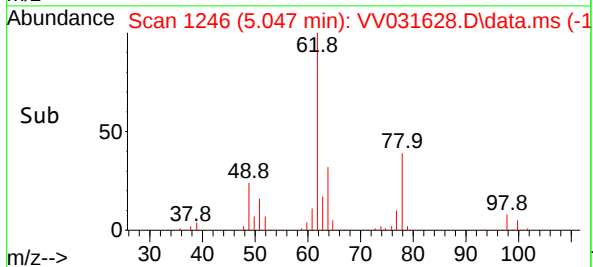
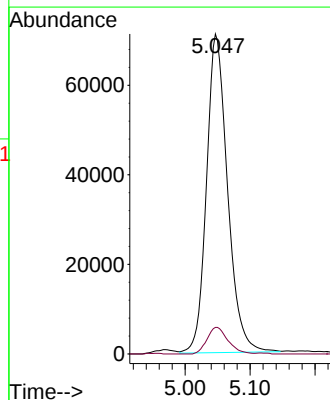
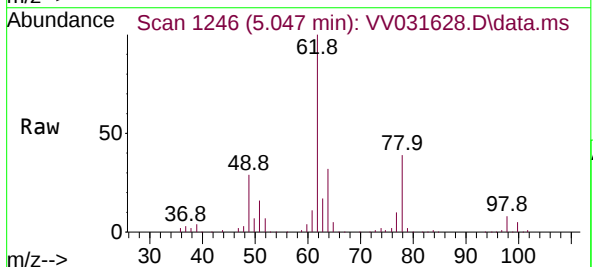
Acq: 29 Jun 2023 18:07

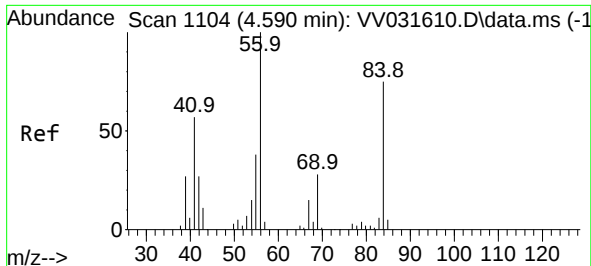
Tgt Ion: 62 Resp: 160586

Ion Ratio Lower Upper

62 100

98 8.3 6.6 9.8





#29

Cyclohexane

Concen: 45.083 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050381

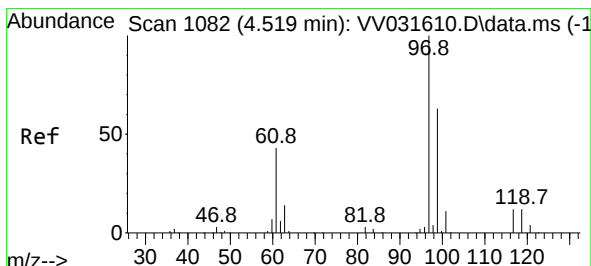
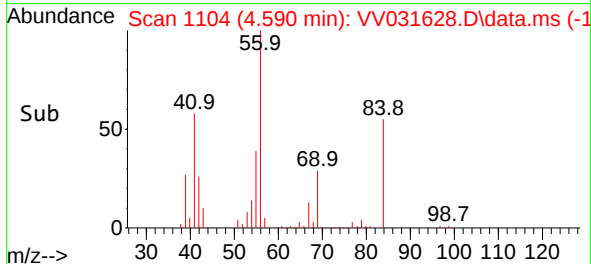
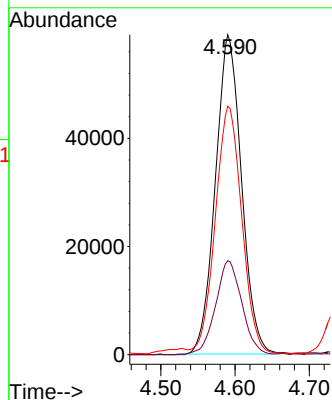
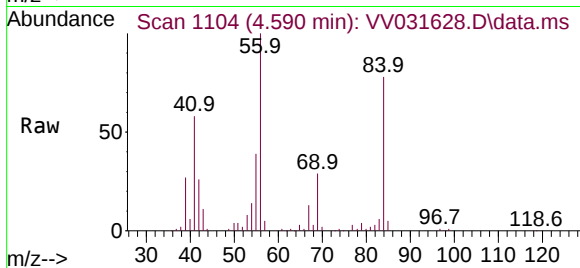
Tgt Ion: 56 Resp: 144398

Ion Ratio Lower Upper

56 100

69 29.6 24.3 36.5

84 78.4 65.0 97.6



#30

1,1,1-Trichloroethane

Concen: 44.988 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.000 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

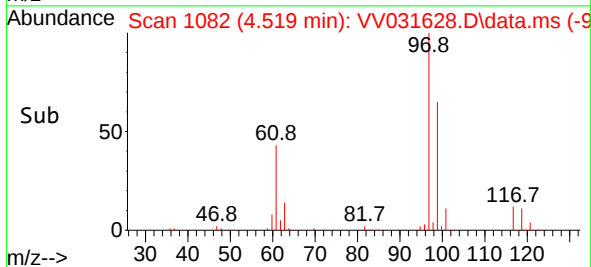
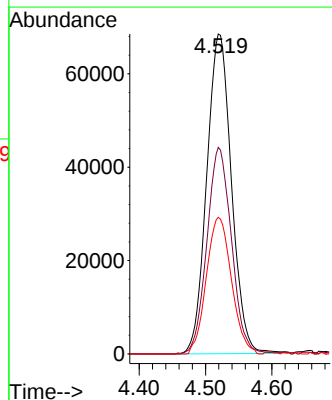
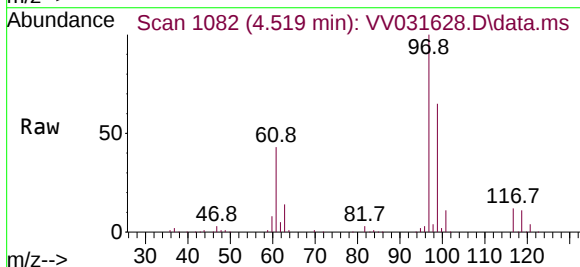
Tgt Ion: 97 Resp: 177571

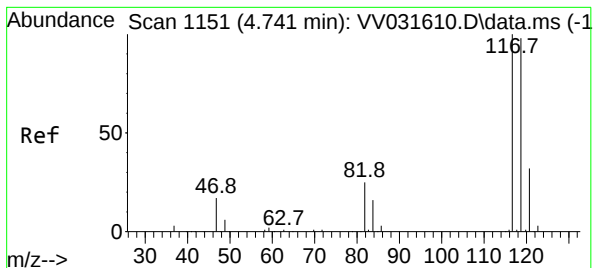
Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.6

61 43.3 33.0 49.6





#31

Carbon tetrachloride

Concen: 44.144 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. -0.000 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

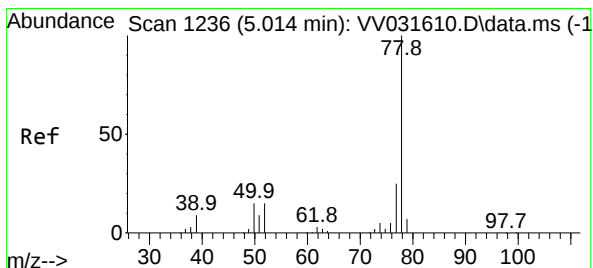
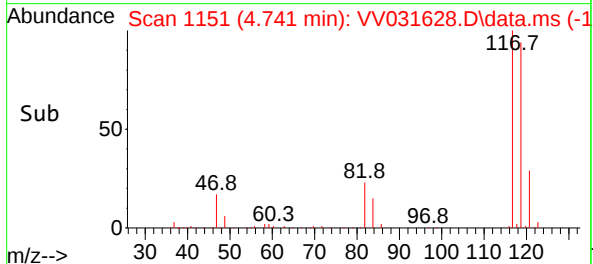
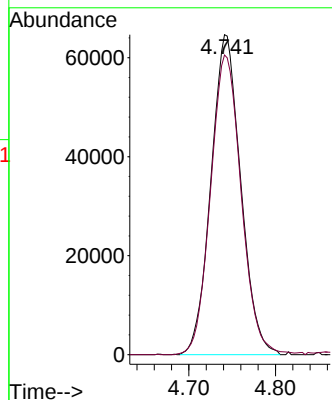
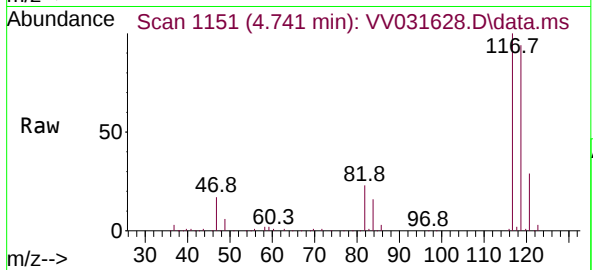
VSTD050381

Tgt Ion:117 Resp: 154383

Ion Ratio Lower Upper

117 100

119 96.3 76.2 114.4



#33

Benzene

Concen: 47.546 ug/L

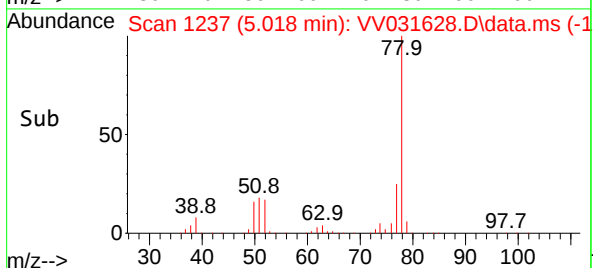
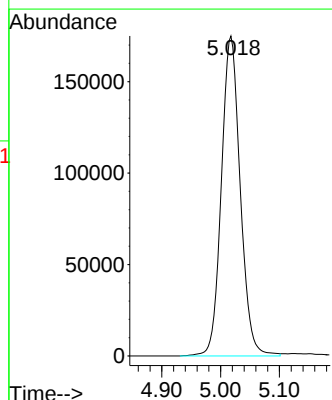
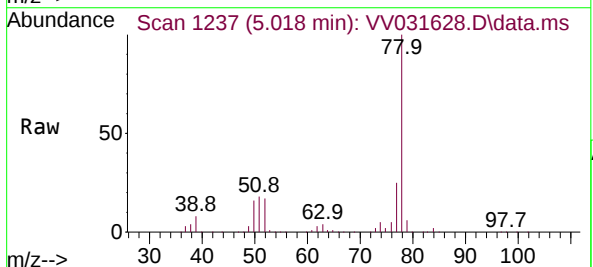
RT: 5.018 min Scan# 1237

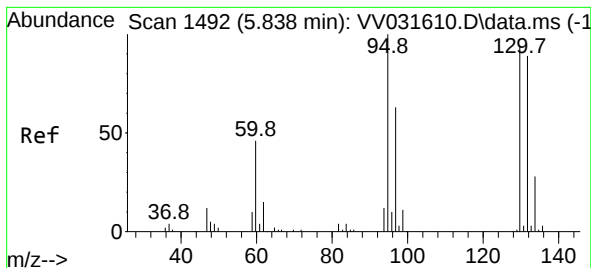
Delta R.T. 0.003 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

Tgt Ion: 78 Resp: 389702





#34

Trichloroethene

Concen: 46.143 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.003 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050381

Tgt Ion: 95 Resp: 101062

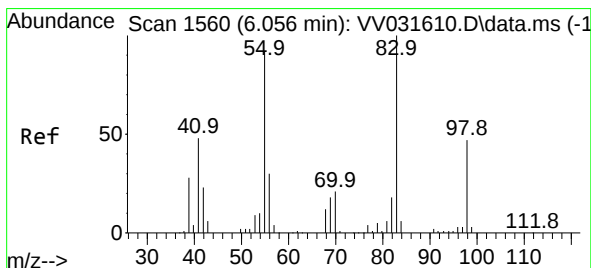
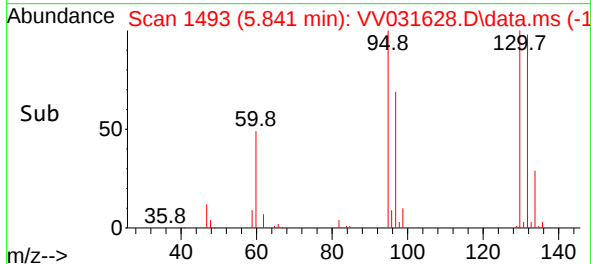
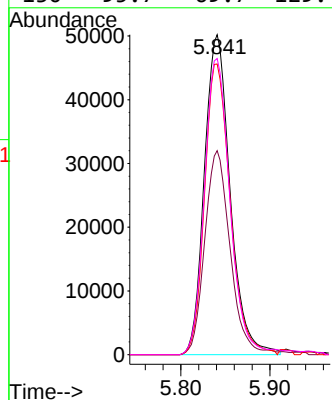
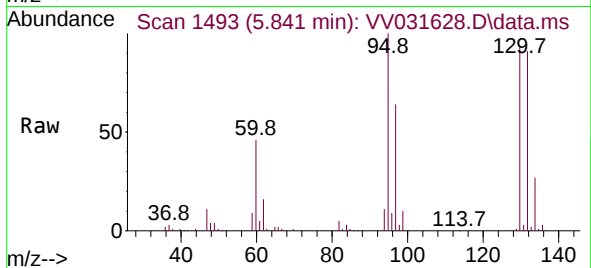
Ion Ratio Lower Upper

95 100

97 63.8 46.8 86.8

132 93.3 66.4 123.2

130 95.7 69.7 129.4



#35

Methylcyclohexane

Concen: 42.754 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. -0.000 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

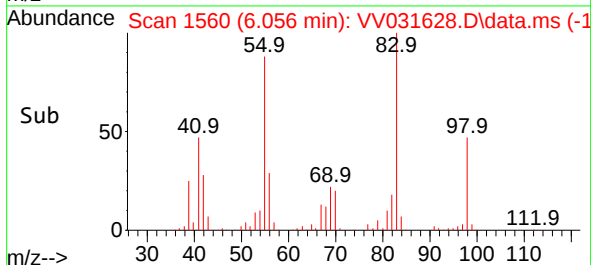
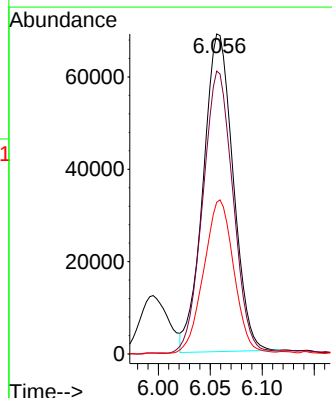
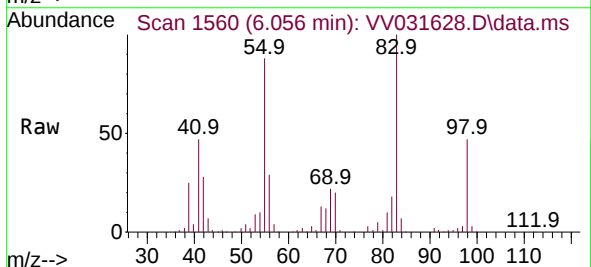
Tgt Ion: 83 Resp: 137973

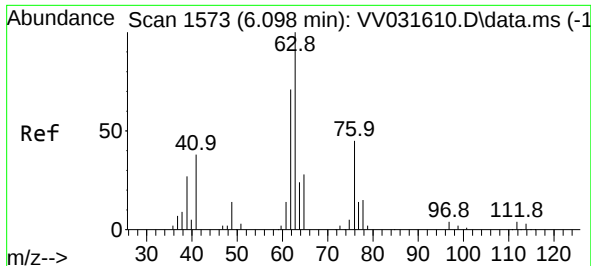
Ion Ratio Lower Upper

83 100

55 90.3 68.7 103.1

98 48.4 37.0 55.4





#37

1,2-Dichloropropane

Concen: 48.199 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

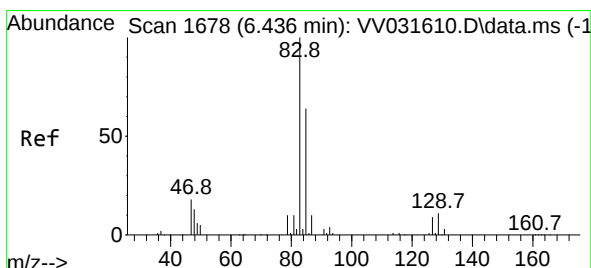
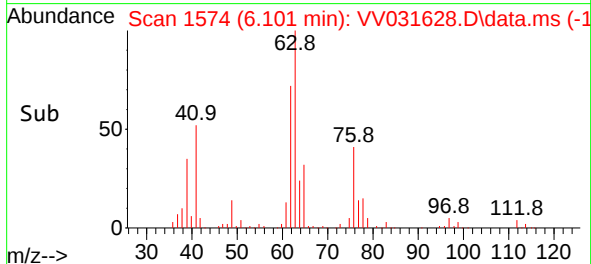
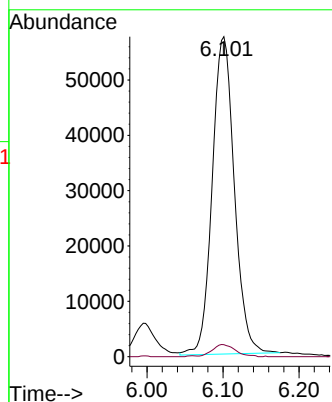
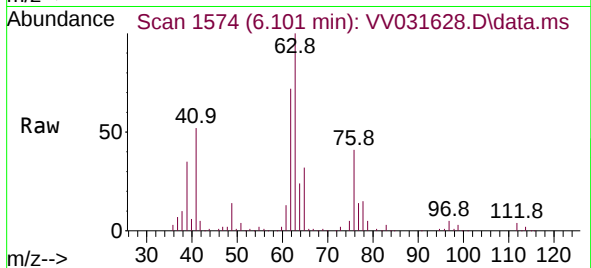
VSTD050381

Tgt Ion: 63 Resp: 116007

Ion Ratio Lower Upper

63 100

112 4.0 3.3 4.9



#38

Bromodichloromethane

Concen: 46.440 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.003 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

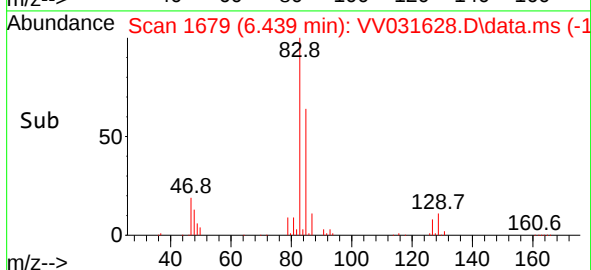
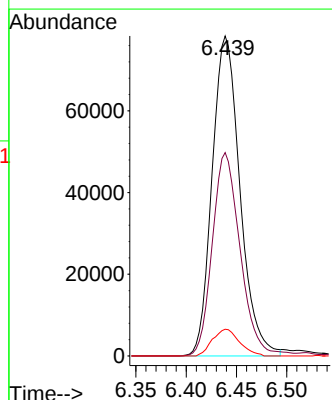
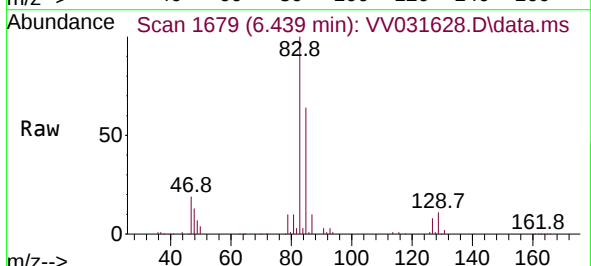
Tgt Ion: 83 Resp: 151079

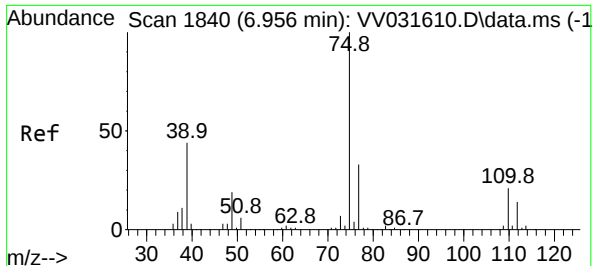
Ion Ratio Lower Upper

83 100

85 63.5 45.3 84.1

127 9.3 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 46.364 ug/L

RT: 6.960 min Scan# 1840

Delta R.T. 0.003 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

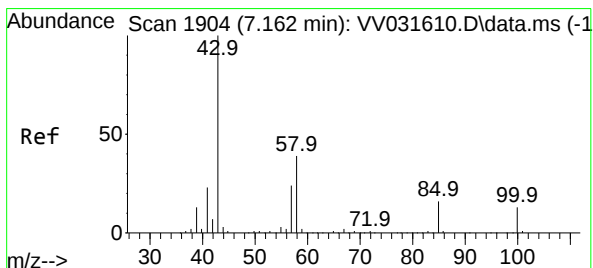
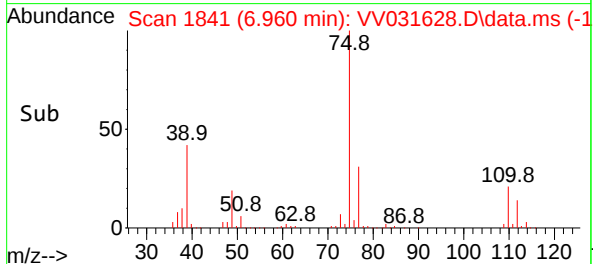
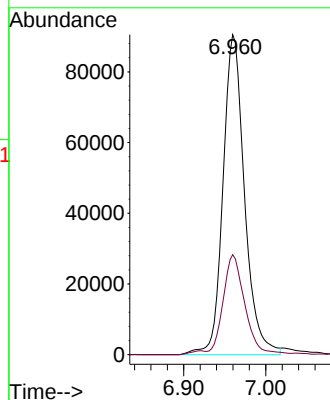
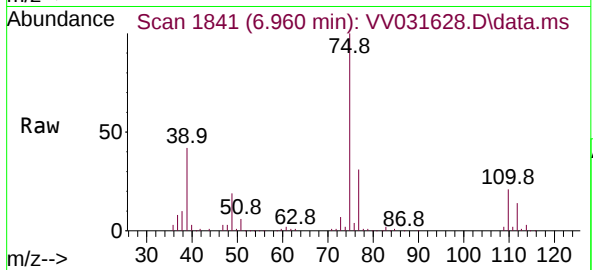
VSTD050381

Tgt Ion: 75 Resp: 165649

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 112.486 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. 0.003 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

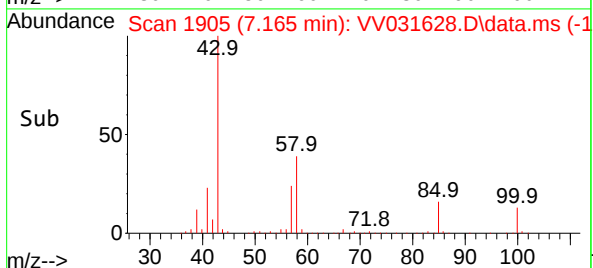
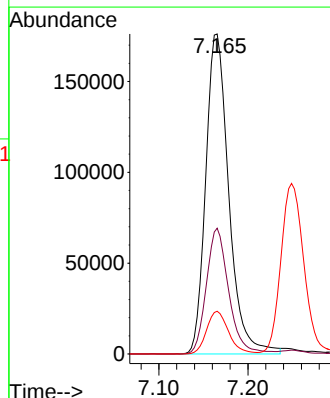
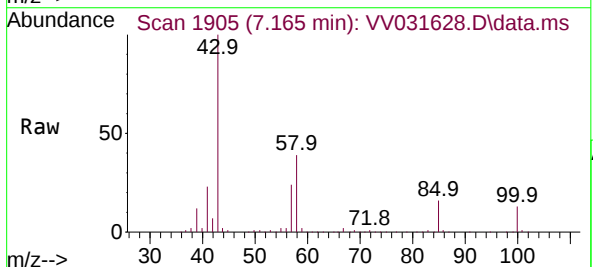
Tgt Ion: 43 Resp: 317899

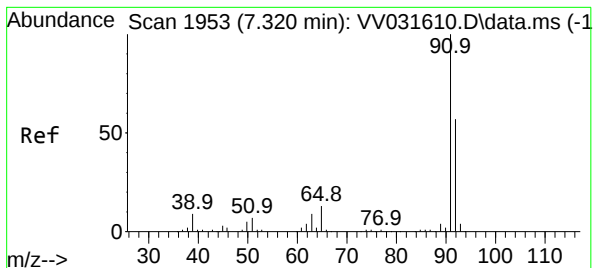
Ion Ratio Lower Upper

43 100

58 38.0 31.8 47.8

100 12.7 11.1 16.7





#42

Toluene

Concen: 47.751 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

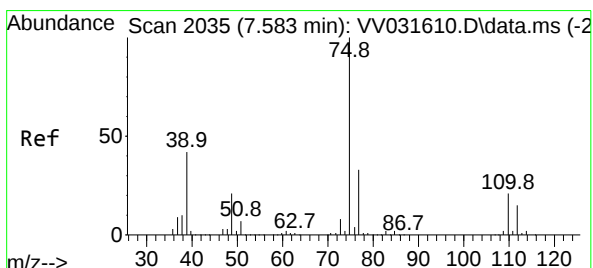
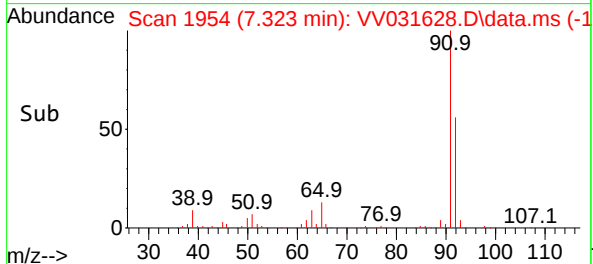
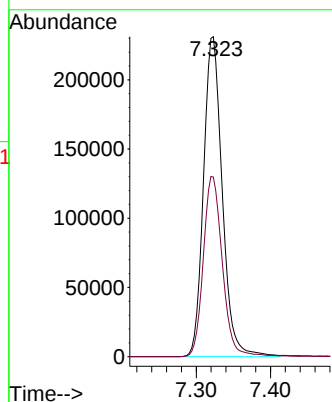
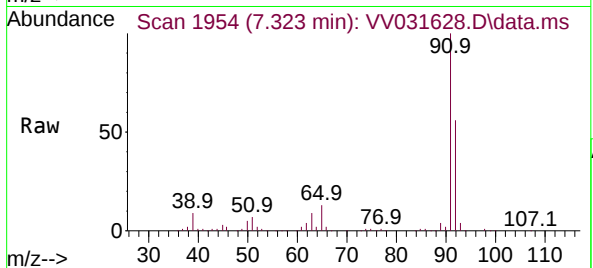
VSTD050381

Tgt Ion: 91 Resp: 405798

Ion Ratio Lower Upper

91 100

92 56.1 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 47.887 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV031628.D

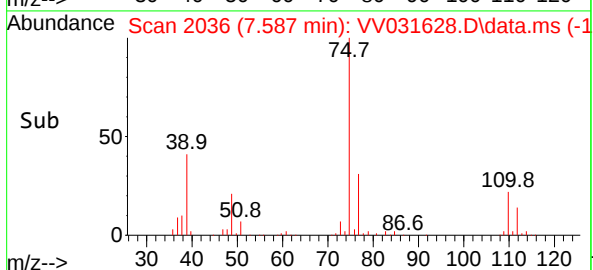
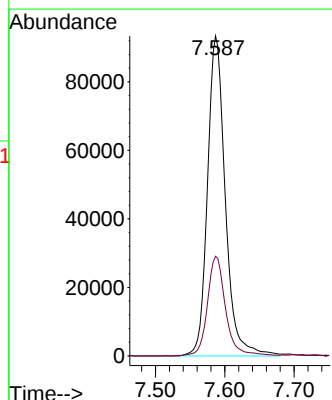
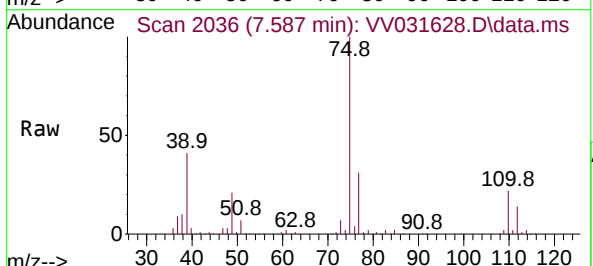
Acq: 29 Jun 2023 18:07

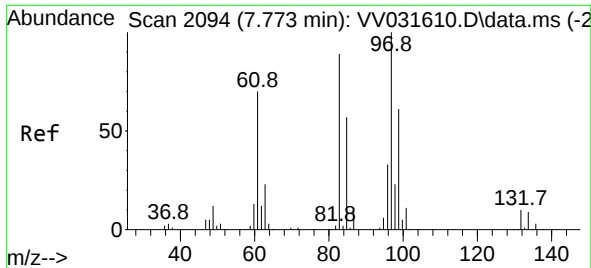
Tgt Ion: 75 Resp: 166614

Ion Ratio Lower Upper

75 100

77 31.2 22.1 41.1



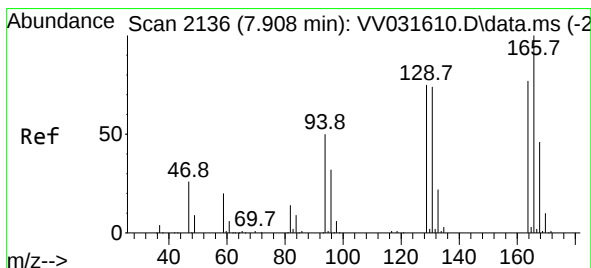
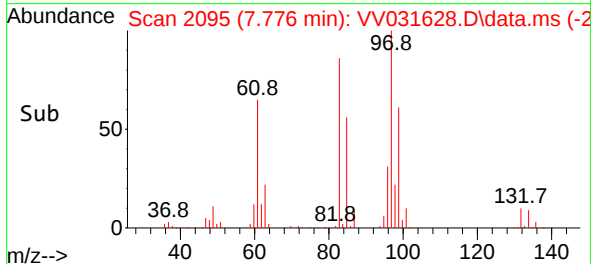
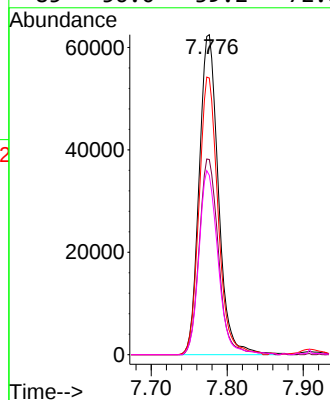
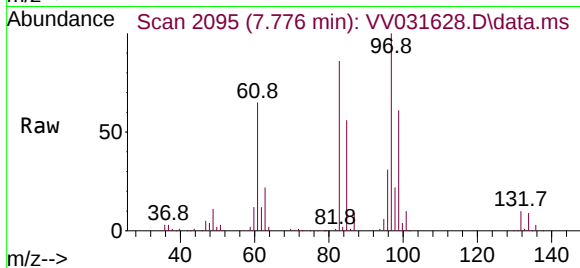


#45
1,1,2-Trichloroethane
Concen: 48.237 ug/L
RT: 7.776 min Scan# 2094
Delta R.T. 0.003 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

Tgt Ion: 97 Resp: 109674

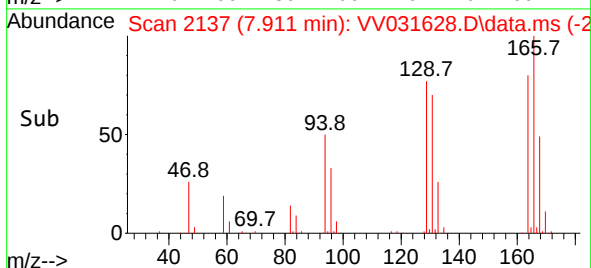
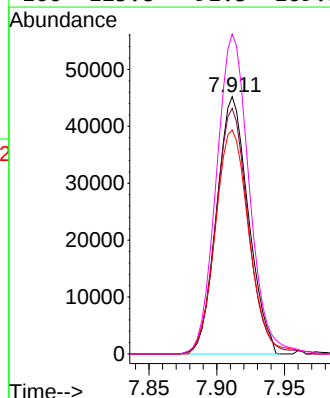
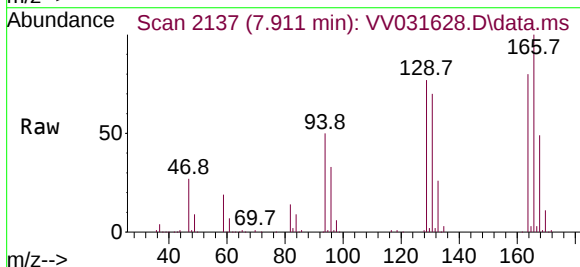
Ion	Ratio	Lower	Upper
97	100		
99	61.0	43.7	81.1
83	88.3	60.9	113.1
85	56.0	39.2	72.8

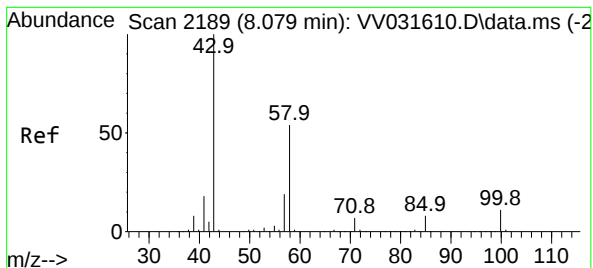


#46
Tetrachloroethene
Concen: 43.022 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

Tgt Ion: 164 Resp: 73955

Ion	Ratio	Lower	Upper
164	100		
129	95.2	68.4	127.0
131	86.8	67.6	125.6
166	123.8	91.3	169.5





#48

2-Hexanone

Concen: 107.944 ug/L

RT: 8.082 min Scan# 2189

Delta R.T. 0.003 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050381

Tgt Ion: 43 Resp: 243641

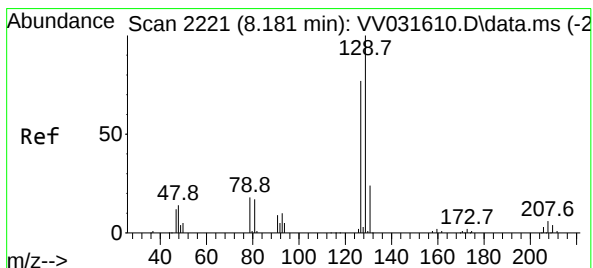
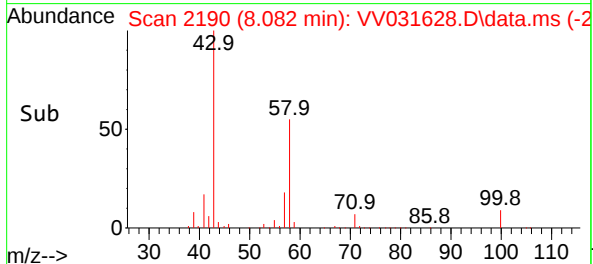
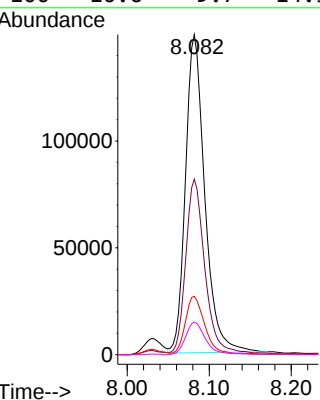
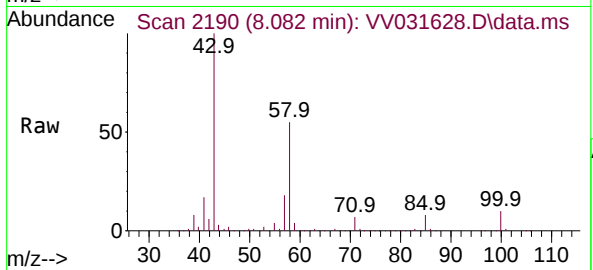
Ion Ratio Lower Upper

43 100

58 53.7 46.7 70.1

57 18.0 15.5 23.3

100 10.6 9.7 14.5



#49

Dibromochloromethane

Concen: 45.602 ug/L

RT: 8.181 min Scan# 2221

Delta R.T. -0.000 min

Lab File: VV031628.D

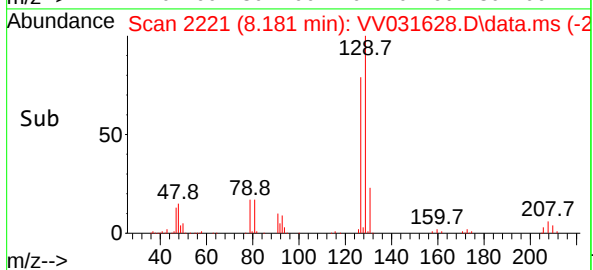
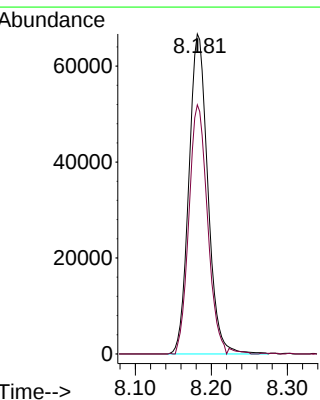
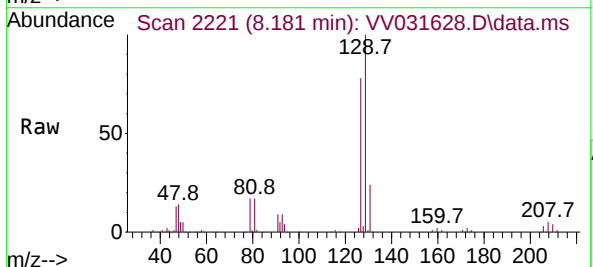
Acq: 29 Jun 2023 18:07

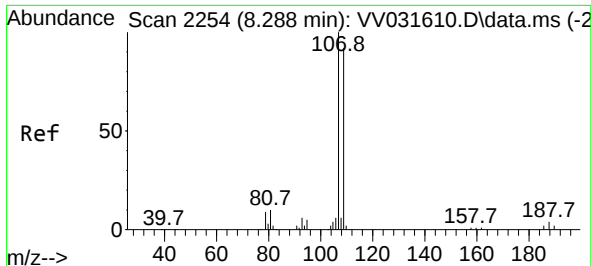
Tgt Ion: 129 Resp: 115234

Ion Ratio Lower Upper

129 100

127 80.5 55.8 103.6

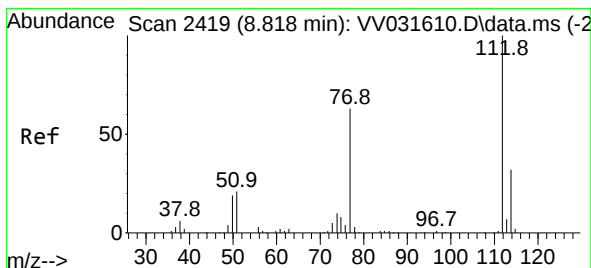
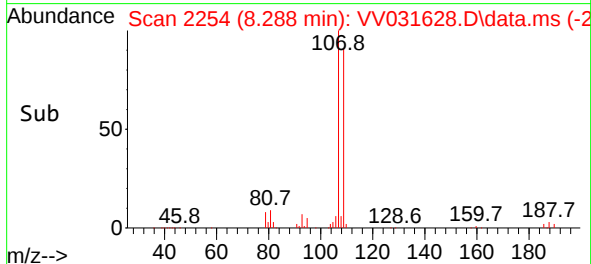
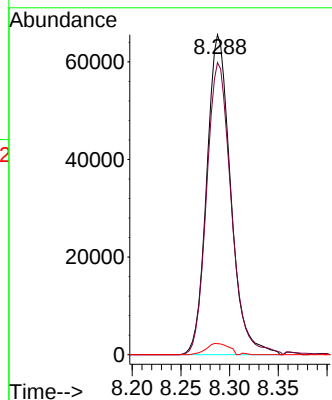
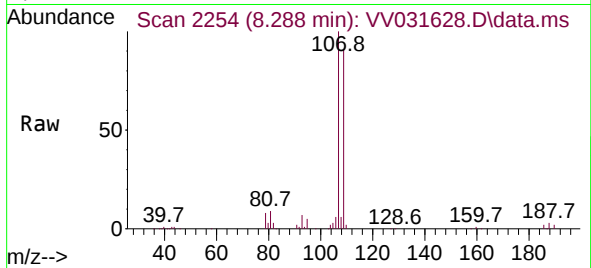




#50
1,2-Dibromoethane
Concen: 46.233 ug/L
RT: 8.288 min Scan# 2119
Delta R.T. -0.000 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

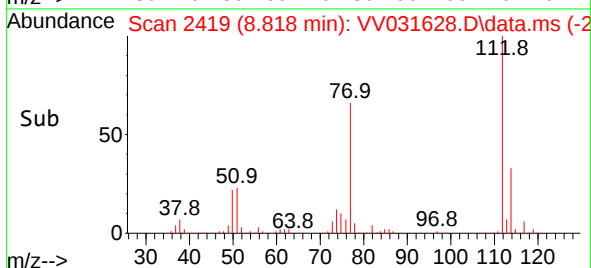
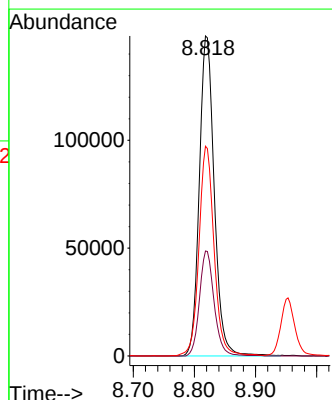
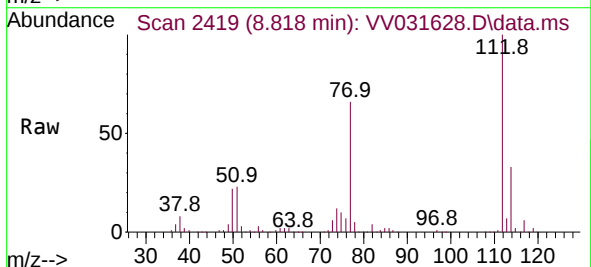
Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

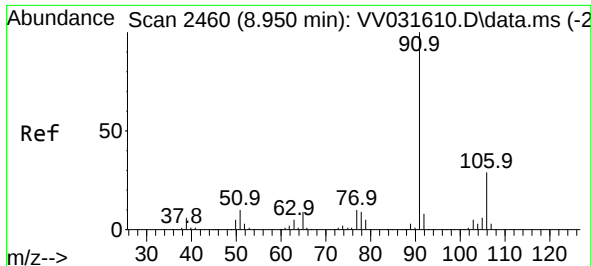
Tgt Ion:107 Resp: 111926
Ion Ratio Lower Upper
107 100
109 91.3 65.7 122.1
188 3.5 2.6 4.0



#51
Chlorobenzene
Concen: 44.853 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. -0.000 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

Tgt Ion:112 Resp: 252450
Ion Ratio Lower Upper
112 100
114 32.8 22.9 42.5
77 65.6 52.5 78.7

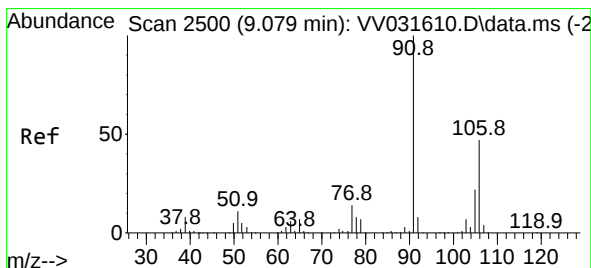
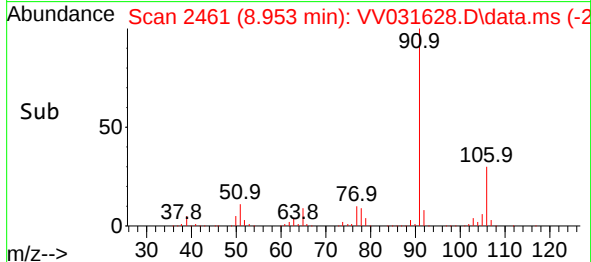
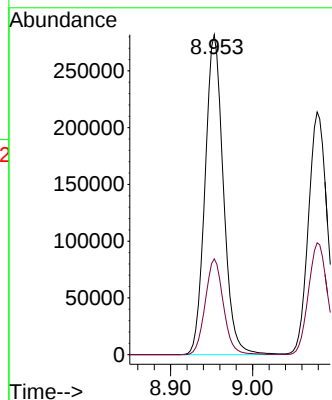
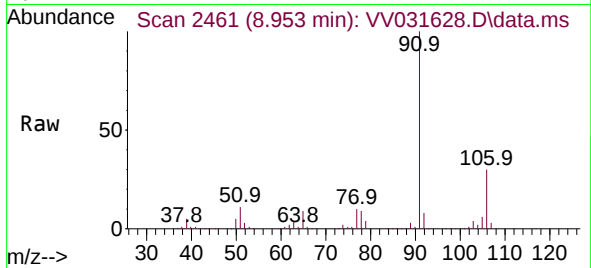




#52
Ethylbenzene
Concen: 46.175 ug/L
RT: 8.953 min Scan# 2460
Delta R.T. 0.003 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

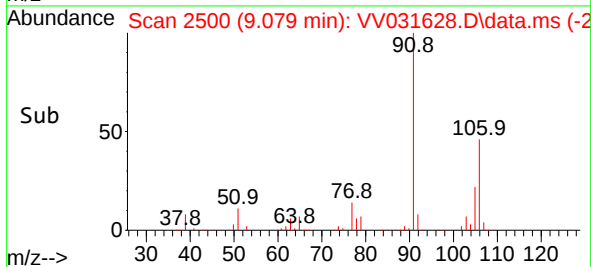
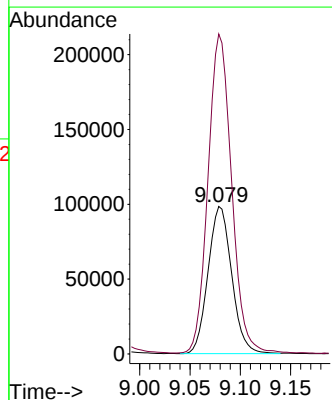
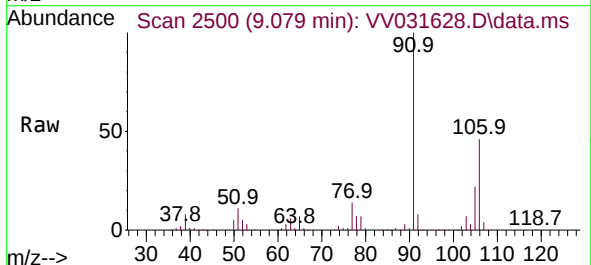
Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

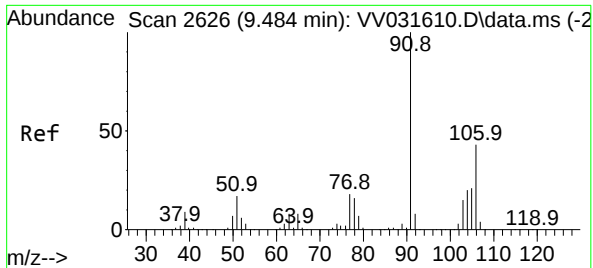
Tgt Ion: 91 Resp: 437859
Ion Ratio Lower Upper
91 100
106 30.0 20.8 38.6



#53
m,p-Xylene
Concen: 46.349 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

Tgt Ion: 106 Resp: 160954
Ion Ratio Lower Upper
106 100
91 217.0 149.0 276.6

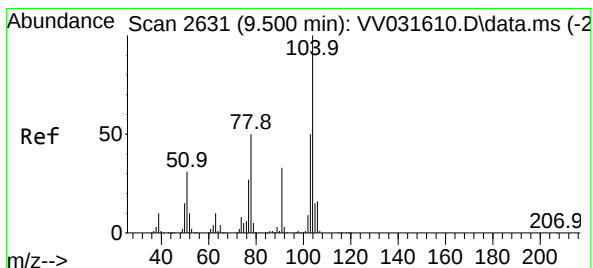
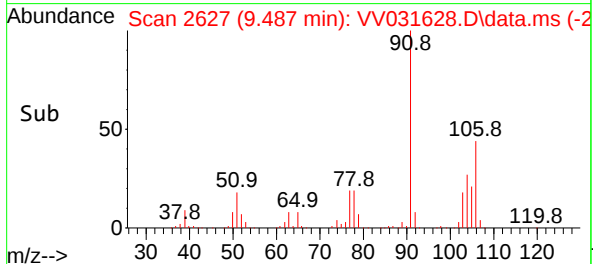
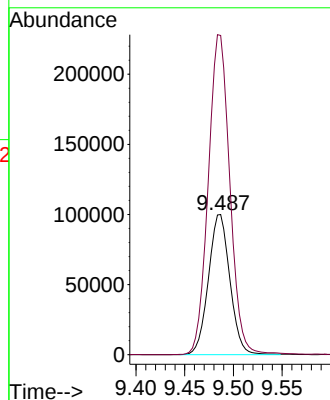
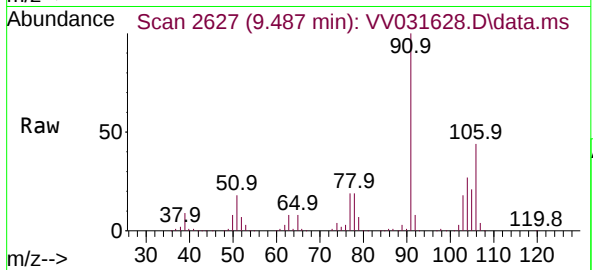




#54
o-Xylene
Concen: 46.510 ug/L
RT: 9.487 min Scan# 2626
Delta R.T. 0.003 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

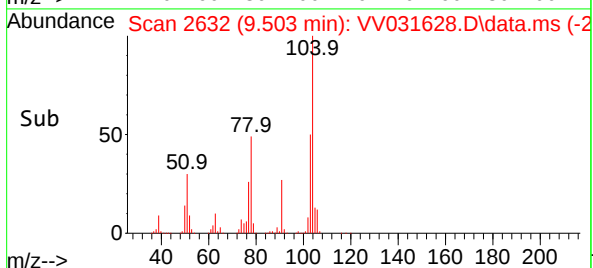
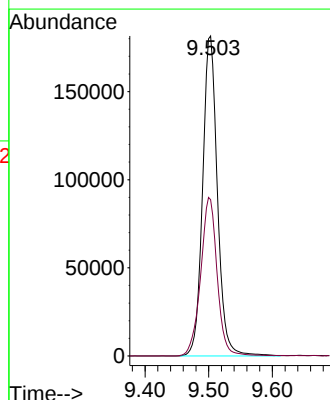
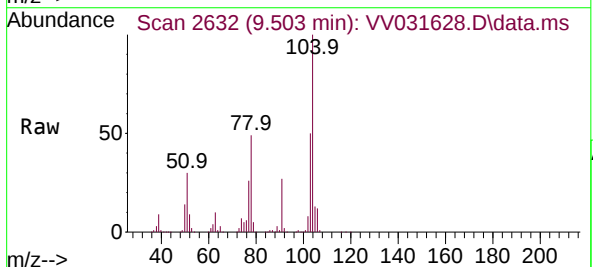
Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

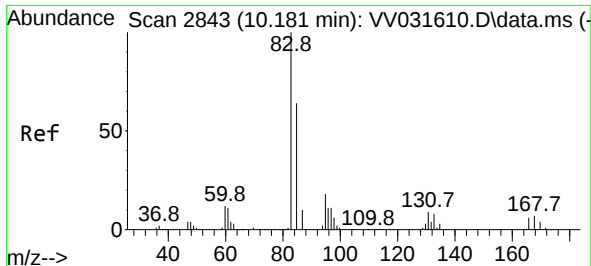
Tgt Ion:106 Resp: 153273
Ion Ratio Lower Upper
106 100
91 227.8 161.3 299.7



#55
Styrene
Concen: 49.877 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.003 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

Tgt Ion:104 Resp: 293551
Ion Ratio Lower Upper
104 100
78 48.9 35.1 65.3





#57

1,1,2,2-Tetrachloroethane

Concen: 48.796 ug/L

RT: 10.185 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050381

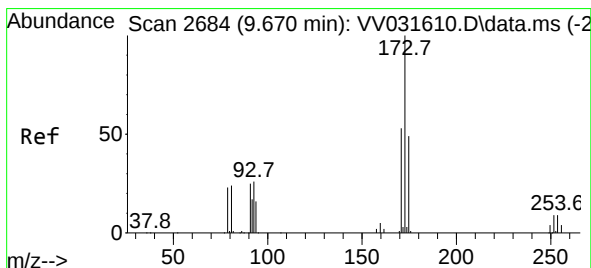
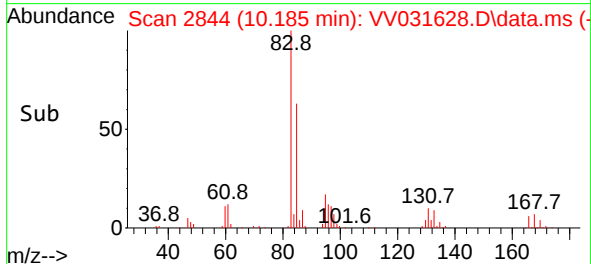
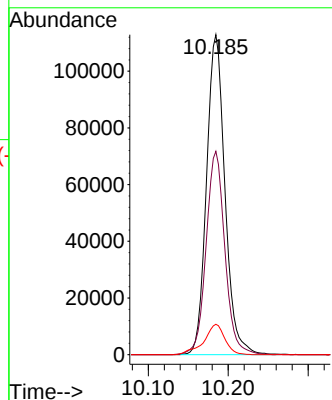
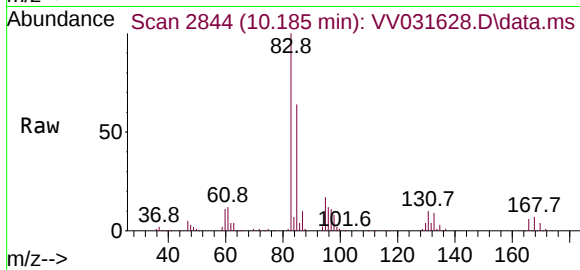
Tgt Ion: 83 Resp: 181274

Ion Ratio Lower Upper

83 100

85 63.6 43.1 80.1

131 13.2 10.6 16.0



#59

Bromoform

Concen: 48.348 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

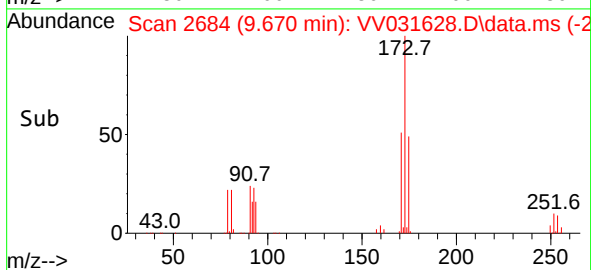
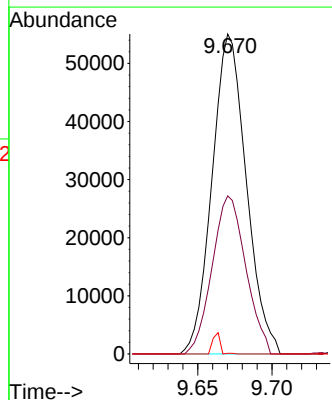
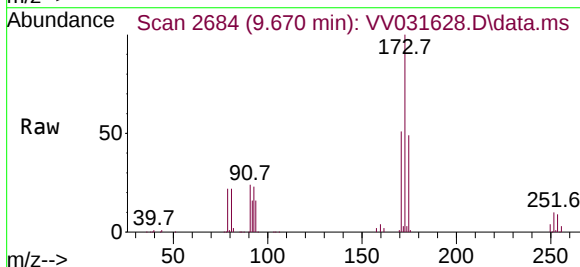
Tgt Ion: 173 Resp: 88226

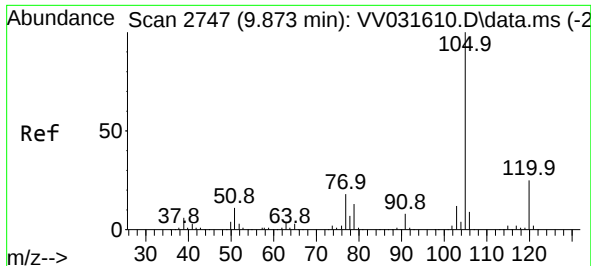
Ion Ratio Lower Upper

173 100

175 48.5 37.7 56.5

254 0.0 0.1 0.1#

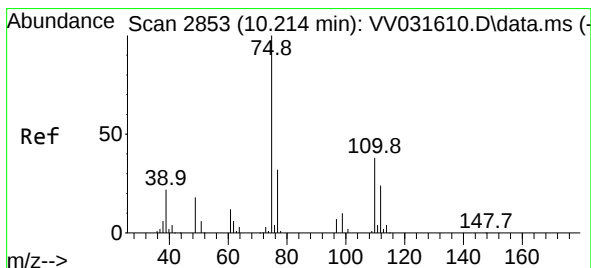
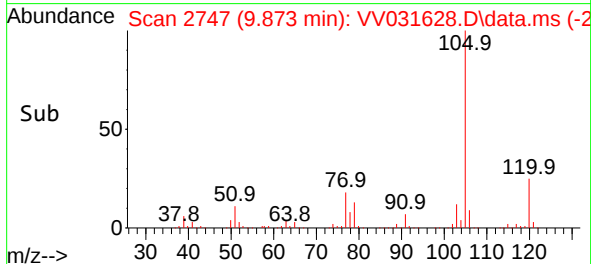
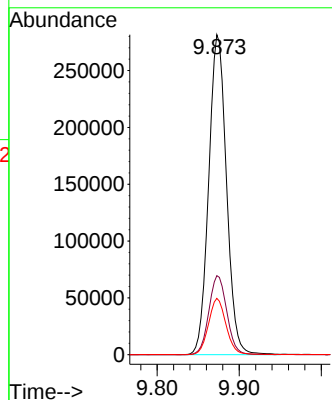
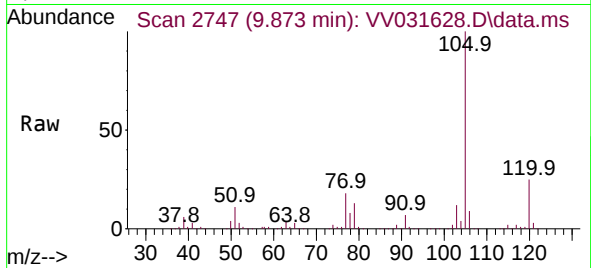




#60
Isopropylbenzene
Concen: 45.309 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

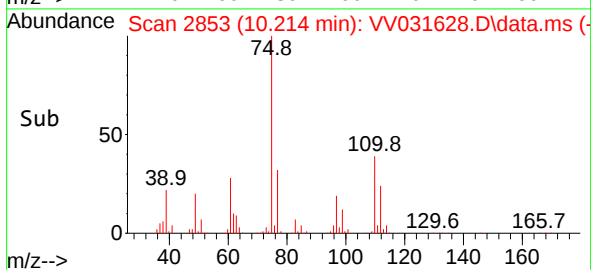
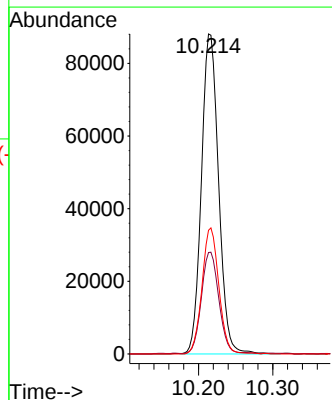
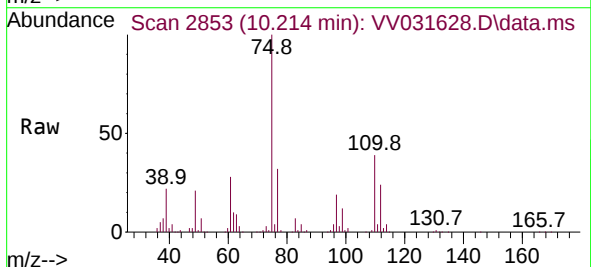
Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

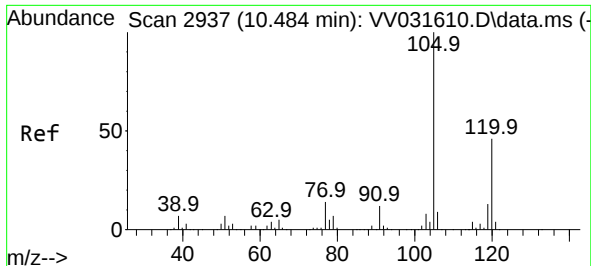
Tgt Ion:105 Resp: 425234
Ion Ratio Lower Upper
105 100
120 24.9 20.2 30.2
77 17.4 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 48.759 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

Tgt Ion: 75 Resp: 141775
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0
110 38.4 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 44.545 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

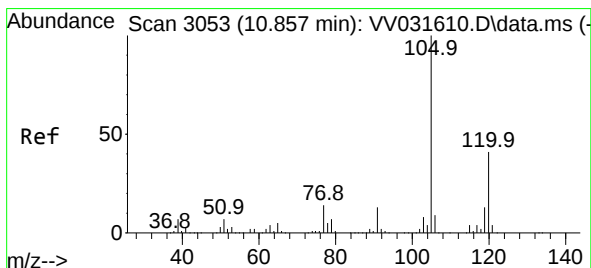
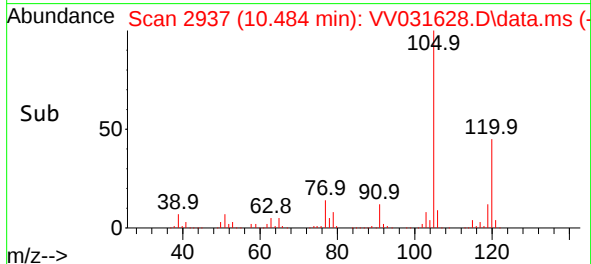
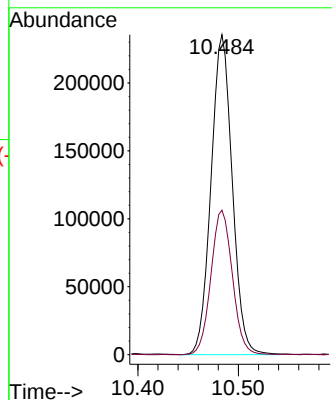
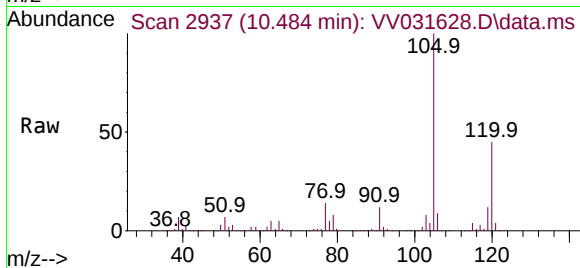
VSTD050381

Tgt Ion:105 Resp: 345522

Ion Ratio Lower Upper

105 100

120 45.6 36.2 54.2



#63

1,2,4-Trimethylbenzene

Concen: 44.307 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VV031628.D

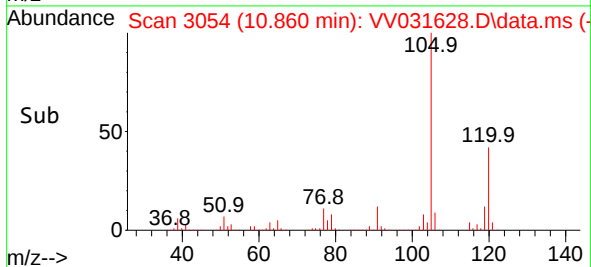
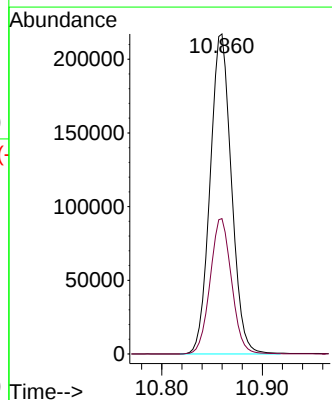
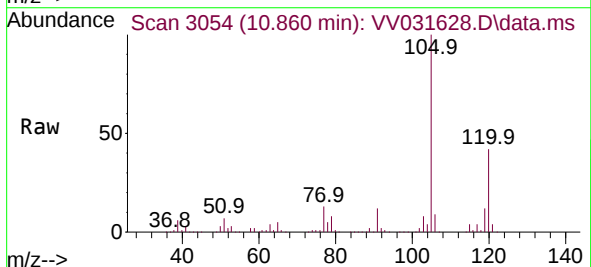
Acq: 29 Jun 2023 18:07

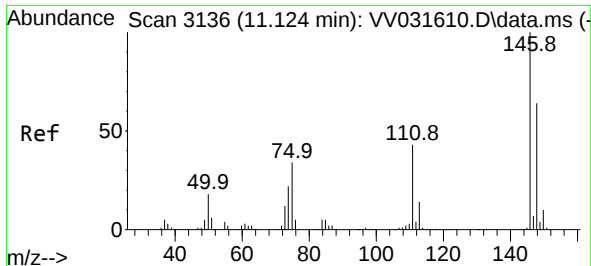
Tgt Ion:105 Resp: 320225

Ion Ratio Lower Upper

105 100

120 42.4 33.4 50.2

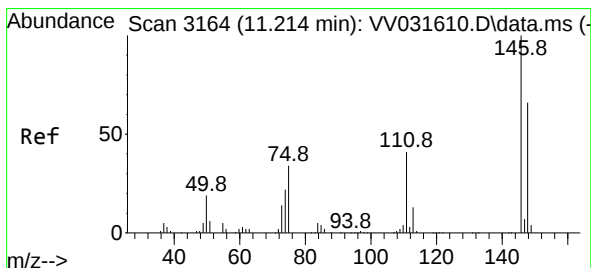
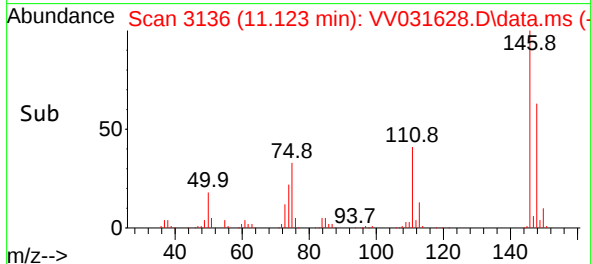
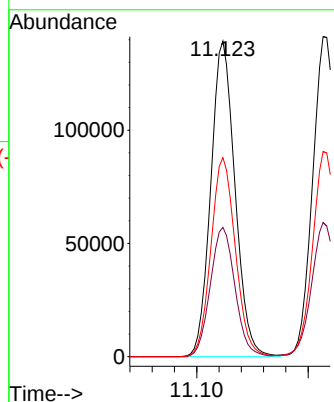
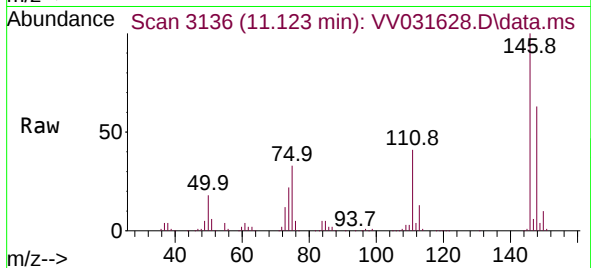




#64
1,3-Dichlorobenzene
Concen: 44.702 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

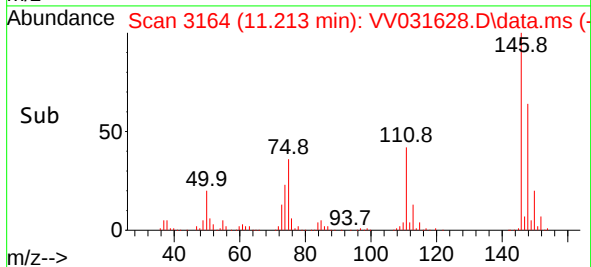
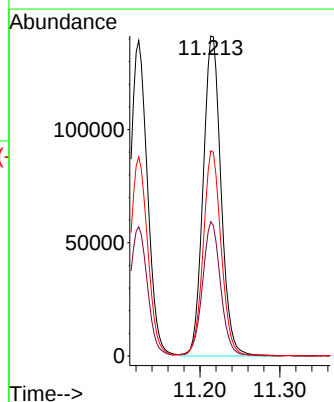
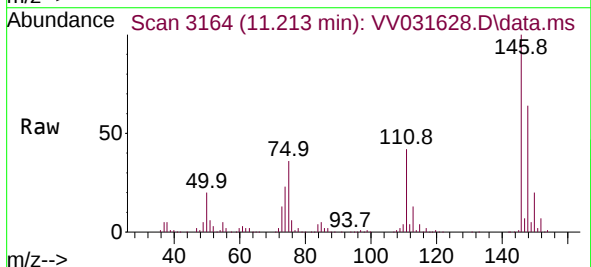
Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

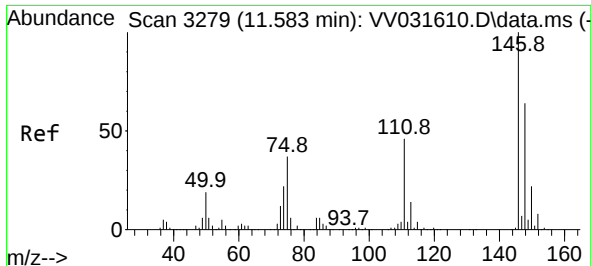
Tgt Ion:146 Resp: 210336
Ion Ratio Lower Upper
146 100
111 41.0 30.4 56.5
148 63.1 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 43.903 ug/L
RT: 11.213 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

Tgt Ion:146 Resp: 220128
Ion Ratio Lower Upper
146 100
111 42.0 27.9 51.7
148 64.1 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 44.610 ug/L

RT: 11.586 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050381

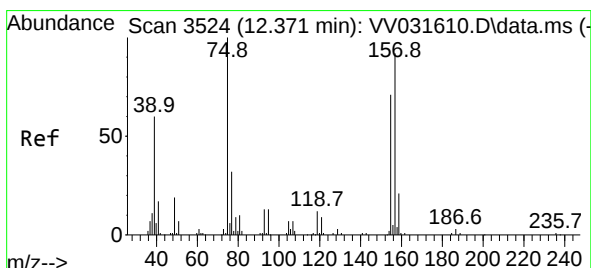
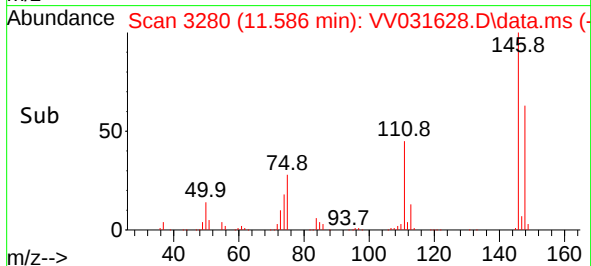
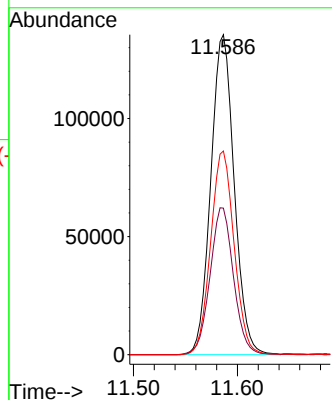
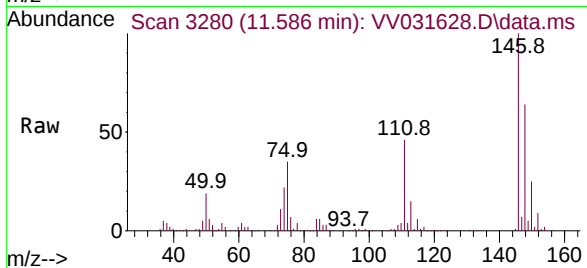
Tgt Ion:146 Resp: 211853

Ion Ratio Lower Upper

146 100

111 45.8 35.9 53.9

148 63.6 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 50.006 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.000 min

Lab File: VV031628.D

Acq: 29 Jun 2023 18:07

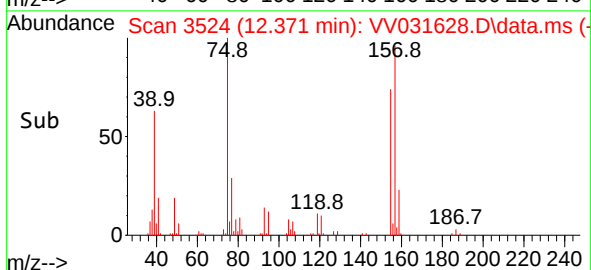
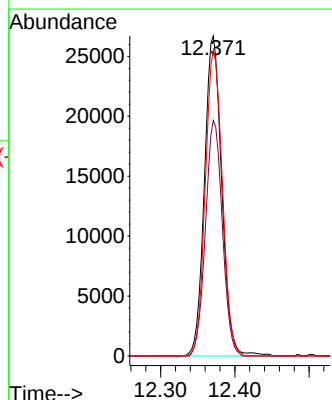
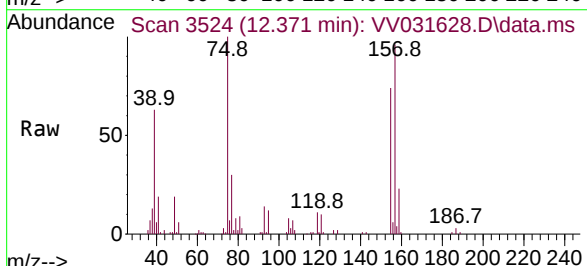
Tgt Ion: 75 Resp: 43155

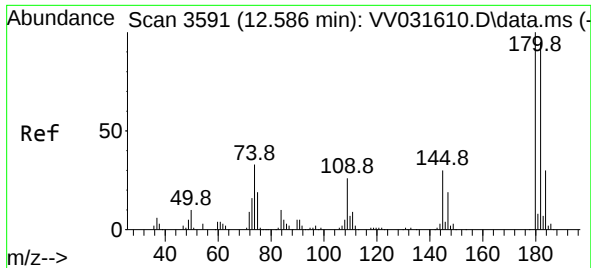
Ion Ratio Lower Upper

75 100

155 73.6 63.2 94.8

157 99.9 85.3 127.9

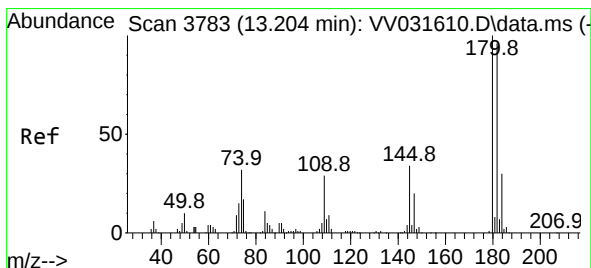
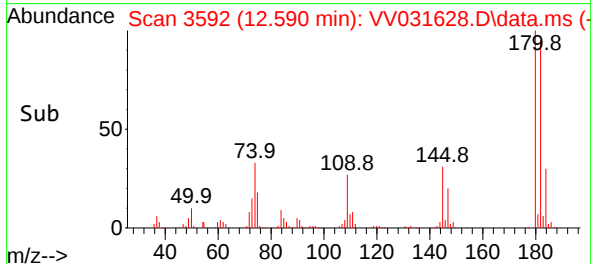
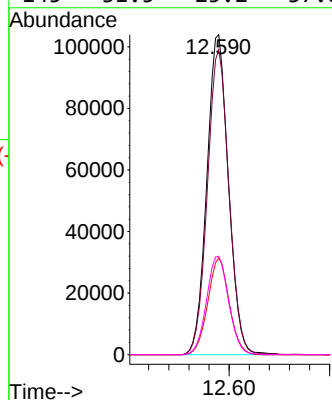
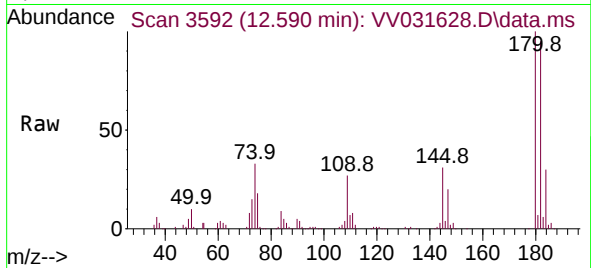




#69
 1,3,5-Trichlorobenzene
 Concen: 43.250 ug/L
 RT: 12.590 min Scan# 3591
 Delta R.T. 0.003 min
 Lab File: VV031628.D
 Acq: 29 Jun 2023 18:07

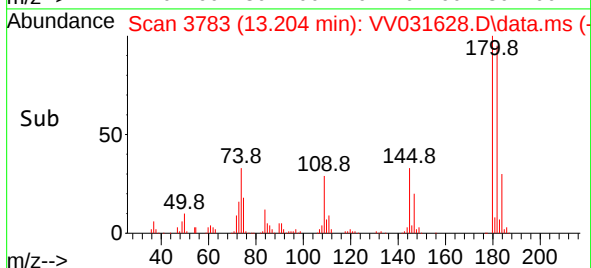
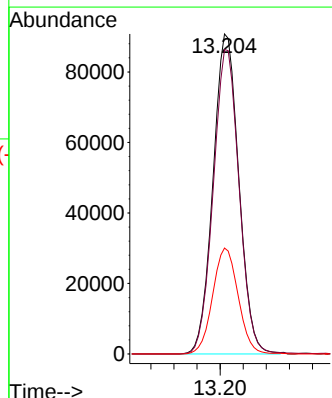
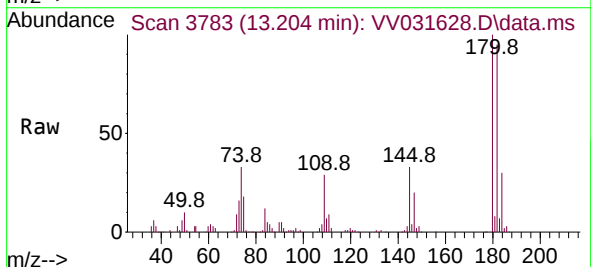
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050381

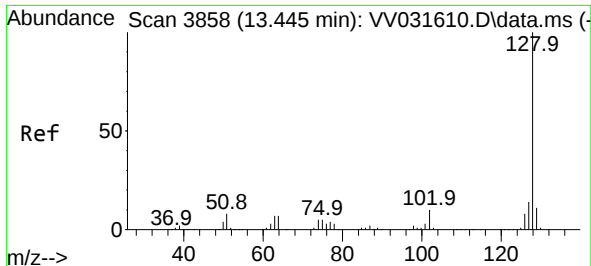
Tgt Ion:180 Resp: 155063
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.6 115.0
 184 30.0 24.7 37.1
 145 31.5 25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 44.763 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. -0.000 min
 Lab File: VV031628.D
 Acq: 29 Jun 2023 18:07

Tgt Ion:180 Resp: 140673
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.7 116.5
 145 32.7 26.1 39.1

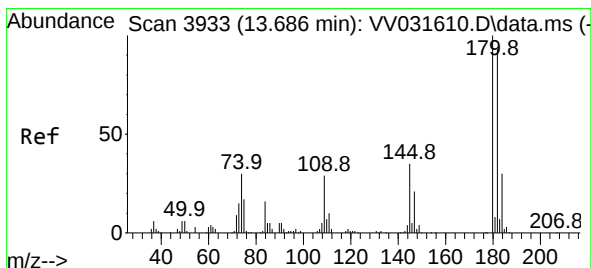
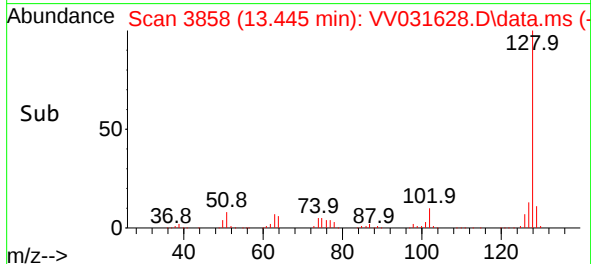
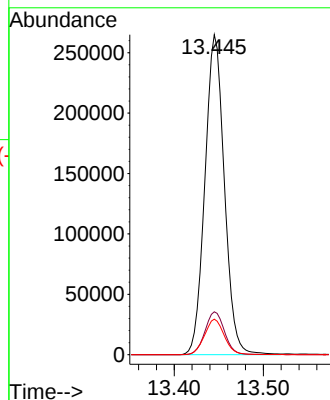
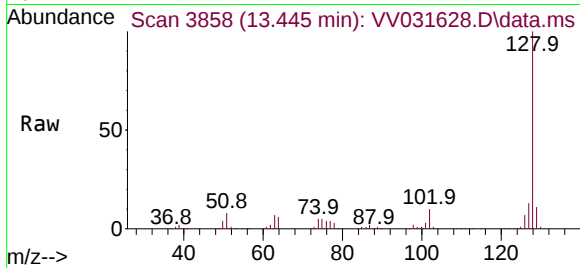




#71
Naphthalene
Concen: 50.464 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. -0.000 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD050381

Tgt Ion:128 Resp: 401698
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 11.2 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 46.041 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. -0.000 min
Lab File: VV031628.D
Acq: 29 Jun 2023 18:07

Tgt Ion:180 Resp: 150358
Ion Ratio Lower Upper
180 100
182 96.4 74.0 111.0
145 34.8 26.2 39.2

