

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072823\
 Data File : VW031775.D
 Acq On : 28 Jul 2023 09:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 28 22:35:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 27 05:18:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	354651	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	392147	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	243807	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	128623	35.576	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.160%
7) Chloroethane-d5	1.529	69	124509	37.579	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.160%
11) 1,1-Dichloroethene-d2	2.057	65	65695	39.255	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.520%
21) 2-Butanone-d5	3.790	46	221666	88.605	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.600%
24) Chloroform-d	4.253	84	343966	46.274	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.540%
26) 1,2-Dichloroethane-d4	4.944	65	197389	42.679	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.360%
32) Benzene-d6	4.963	84	515667	41.527	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.060%
36) 1,2-Dichloropropane-d6	5.992	67	199205	42.706	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.420%
41) Toluene-d8	7.246	98	488030	46.888	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.780%
43) trans-1,3-Dichloroprop...	7.555	79	83302	41.548	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.100%
47) 2-Hexanone-d5	8.027	63	156301	89.356	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.360%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	286683	44.607	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.220%
66) 1,2-Dichlorobenzene-d4	11.564	152	206041	41.739	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	175043	39.937	ug/L	100
3) Chloromethane	1.217	50	166078	39.840	ug/L	98
5) Vinyl chloride	1.282	62	174898	41.418	ug/L	99
6) Bromomethane	1.481	94	127754	43.894	ug/L	100
8) Chloroethane	1.545	64	114477	40.618	ug/L	100
9) Trichlorofluoromethane	1.712	101	323860	45.495	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	191009	46.451	ug/L	100
12) 1,1-Dichloroethene	2.069	96	151035	44.193	ug/L	92
13) Acetone	2.111	43	242034	101.075	ug/L	97
14) Carbon disulfide	2.240	76	383430	45.640	ug/L	100
15) Methyl Acetate	2.372	43	189836	45.525	ug/L	96
16) Methylene chloride	2.446	84	186798	48.650	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	141927	46.683	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	439869	43.980	ug/L	100
19) 1,1-Dichloroethane	3.114	63	298214	42.374	ug/L	97
20) cis-1,2-Dichloroethene	3.815	96	158244	46.090	ug/L	99
22) 2-Butanone	3.867	43	255445	93.788	ug/L	100
23) Bromochloromethane	4.146	128	86963	45.745	ug/L	99
25) Chloroform	4.278	83	353095	47.365	ug/L	98

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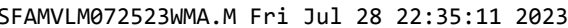
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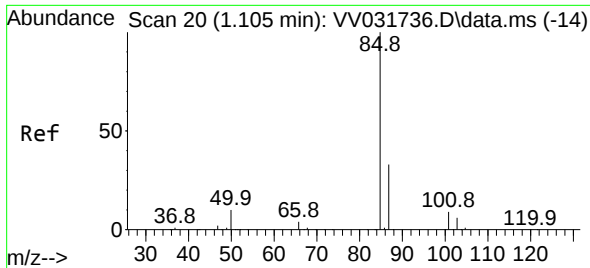
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 Quant Title : VOC Analysis
 QLast Update : Thu Jul 27 05:18:30 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.044	62	240247	43.332	ug/L	98
29) Cyclohexane	4.587	56	200121	41.446	ug/L	100
30) 1,1,1-Trichloroethane	4.516	97	295094	43.807	ug/L	100
31) Carbon tetrachloride	4.738	117	268654	45.676	ug/L	98
33) Benzene	5.015	78	607677	44.056	ug/L	100
34) Trichloroethene	5.834	95	189331	43.499	ug/L	93
35) Methylcyclohexane	6.053	83	223985	46.265	ug/L	98
37) 1,2-Dichloropropane	6.095	63	190662	46.533	ug/L	99
38) Bromodichloromethane	6.436	83	249321	42.657	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	236893	40.725	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	492781	94.430	ug/L	98
42) Toluene	7.320	91	715931	50.539	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	261045	44.970	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	186627	45.139	ug/L	98
46) Tetrachloroethene	7.908	164	133232	48.445	ug/L	95
48) 2-Hexanone	8.079	43	445605	107.052	ug/L	97
49) Dibromochloromethane	8.182	129	206821	47.404	ug/L	96
50) 1,2-Dibromoethane	8.285	107	205100	47.088	ug/L	99
51) Chlorobenzene	8.818	112	441793	46.675	ug/L	99
52) Ethylbenzene	8.950	91	733123	47.756	ug/L	100
53) m,p-Xylene	9.079	106	282014	50.942	ug/L	97
54) o-Xylene	9.484	106	254496	47.966	ug/L	95
55) Styrene	9.500	104	507335	52.345	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.182	83	259301	45.229	ug/L #	95
59) Bromoform	9.670	173	154581	46.242	ug/L #	97
60) Isopropylbenzene	9.873	105	711513	46.761	ug/L	98
61) 1,2,3-Trichloropropane	10.214	75	247769	43.326	ug/L	100
62) 1,3,5-Trimethylbenzene	10.481	105	560769	45.549	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	589971	47.337	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	378498	47.586	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	400024	47.310	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	383581	46.838	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	69508	43.700	ug/L	96
69) 1,3,5-Trichlorobenzene	12.587	180	270362	46.605	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	223547	43.073	ug/L	99
71) Naphthalene	13.445	128	634065	42.383	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	253449	46.718	ug/L	98

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

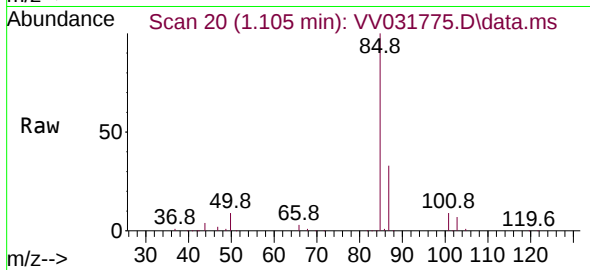
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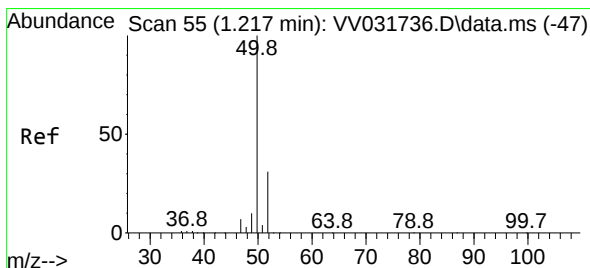
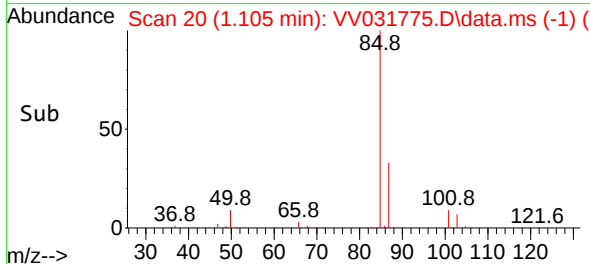
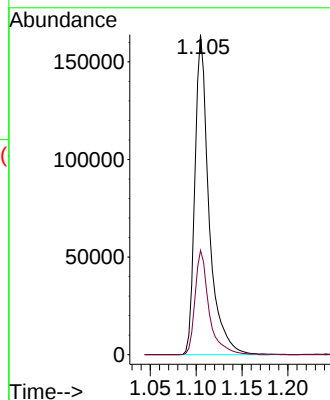


#2
 Dichlorodifluoromethane
 Concen: 39.937 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV031775.D
 Acq: 28 Jul 2023 09:00

Instrument :
 MSVOA_V
 ClientSampleId :

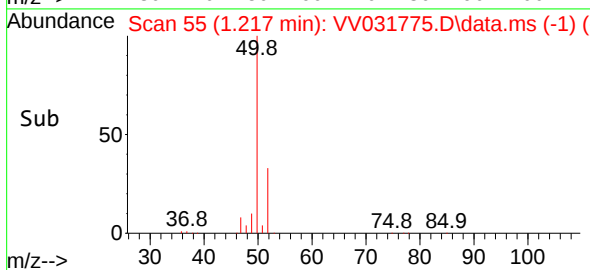
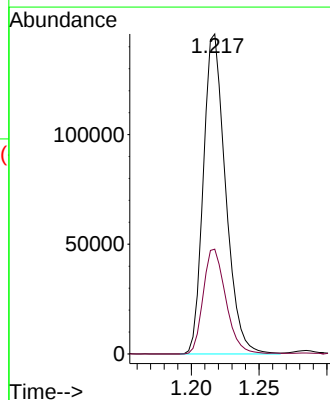
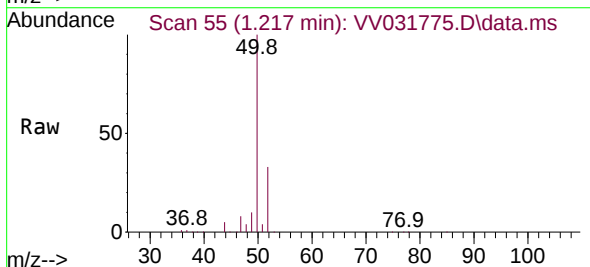


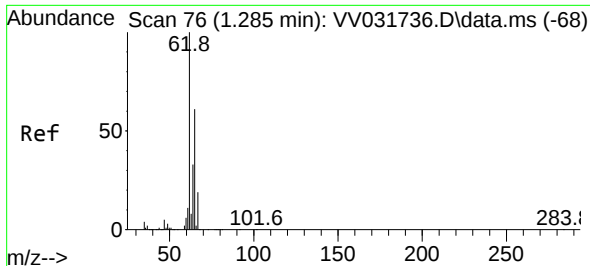
Tgt Ion: 85 Resp: 175043
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.8 38.6



#3
 Chloromethane
 Concen: 39.840 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031775.D
 Acq: 28 Jul 2023 09:00

Tgt Ion: 50 Resp: 166078
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.7 44.1

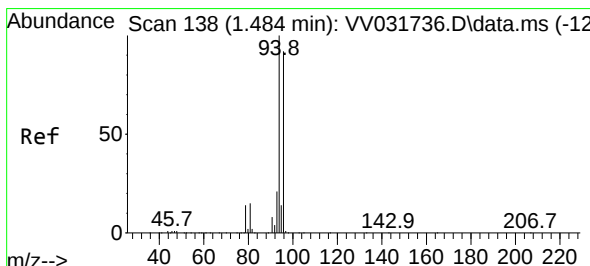
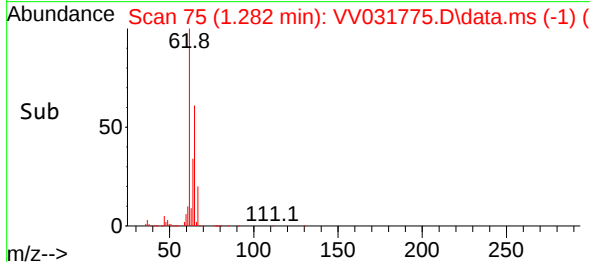
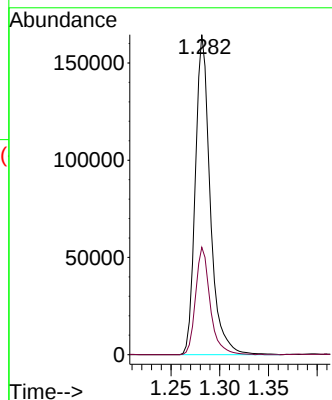
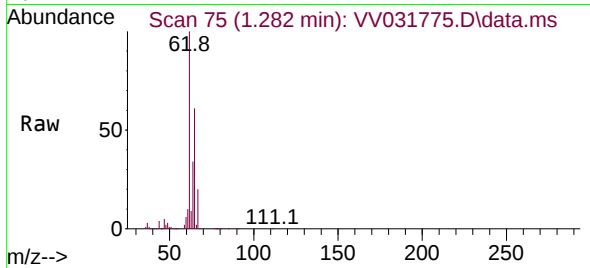




#5
 Vinyl chloride
 Concen: 41.418 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV031775.D
 Acq: 28 Jul 2023 09:00

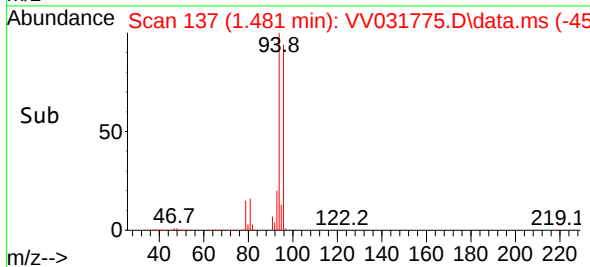
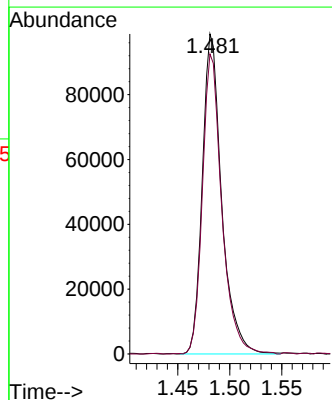
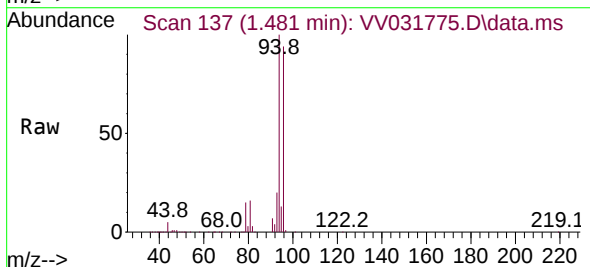
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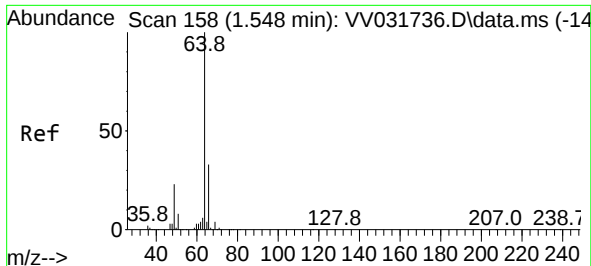
Tgt Ion: 62 Resp: 174898
 Ion Ratio Lower Upper
 62 100
 64 33.5 22.9 42.5



#6
 Bromomethane
 Concen: 43.894 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. -0.003 min
 Lab File: VV031775.D
 Acq: 28 Jul 2023 09:00

Tgt Ion: 94 Resp: 127754
 Ion Ratio Lower Upper
 94 100
 96 93.8 65.7 121.9

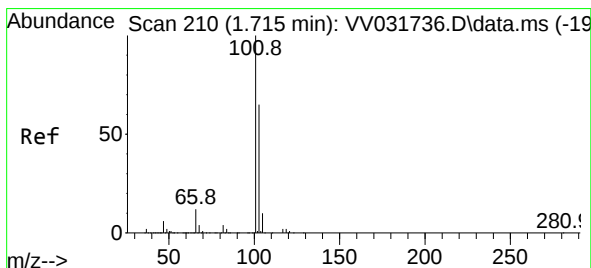
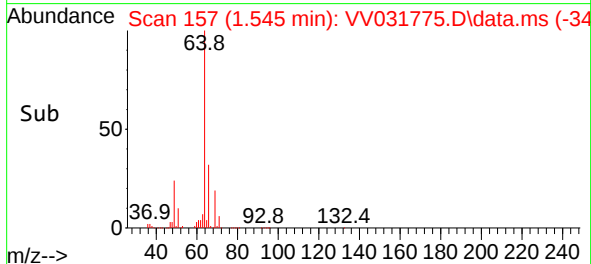
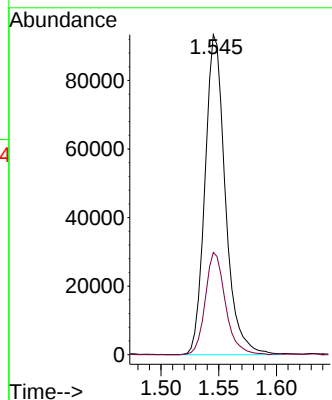
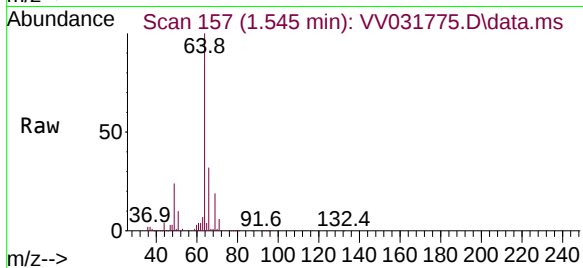




#8
Chloroethane
Concen: 40.618 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031775.D
Acq: 28 Jul 2023 09:00

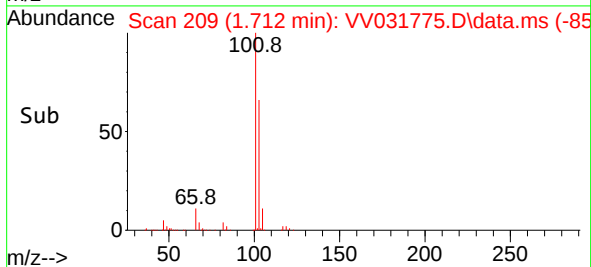
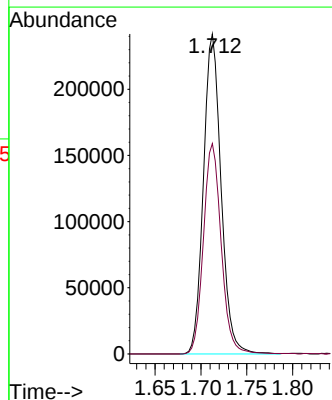
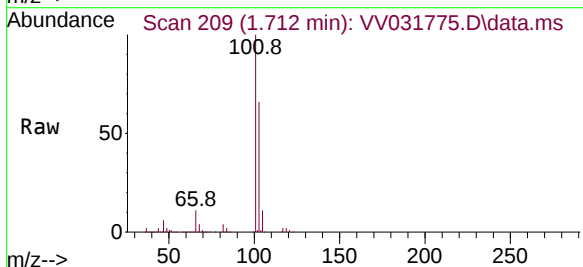
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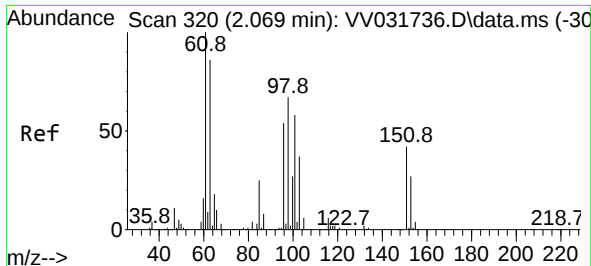
Tgt Ion: 64 Resp: 114477
Ion Ratio Lower Upper
64 100
66 32.0 22.4 41.6



#9
Trichlorofluoromethane
Concen: 45.495 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV031775.D
Acq: 28 Jul 2023 09:00

Tgt Ion: 101 Resp: 323860
Ion Ratio Lower Upper
101 100
103 66.0 51.7 77.5





#10

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

Concen: 46.451 ug/L

RT: 2.066 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

Instrument :

MSVOA_V

ClientSampleId :

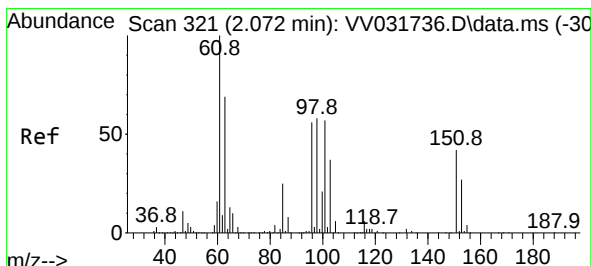
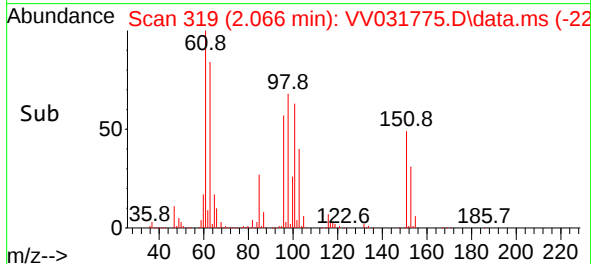
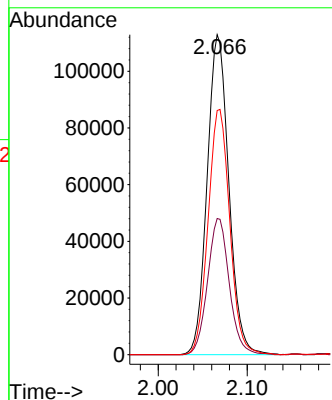
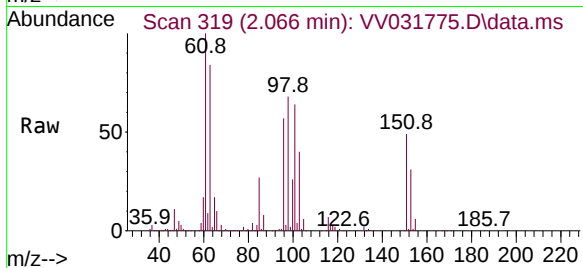
Tgt Ion:101 Resp: 191009

Ion Ratio Lower Upper

101 100

85 42.6 33.9 50.9

151 76.6 61.0 91.6



#12

1,1-Dichloroethene

Concen: 44.193 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

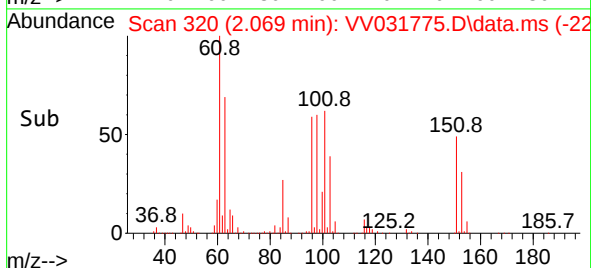
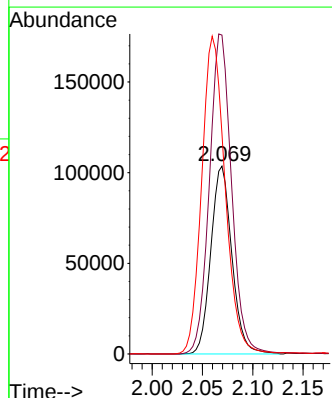
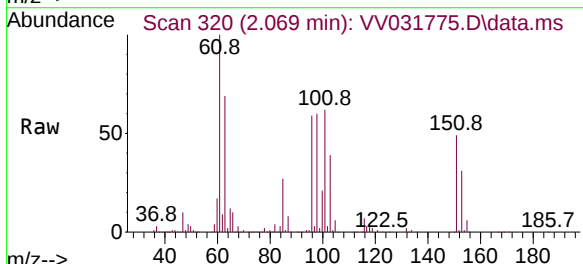
Tgt Ion: 96 Resp: 151035

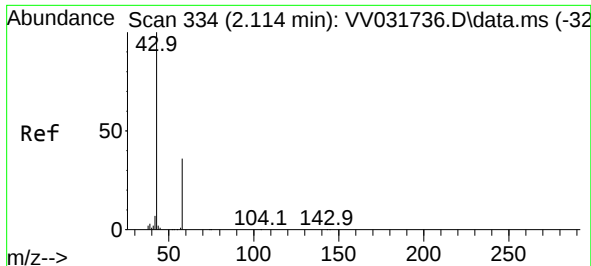
Ion Ratio Lower Upper

96 100

61 169.8 118.3 219.7

63 117.3 96.8 179.8





#13

Acetone

Concen: 101.075 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

Instrument :

MSVOA_V

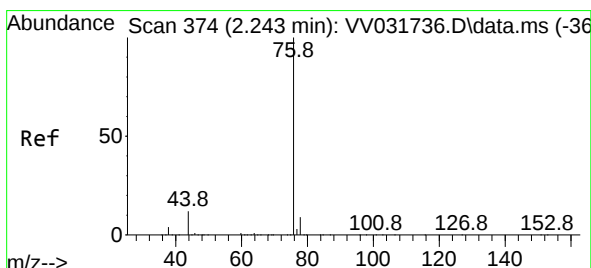
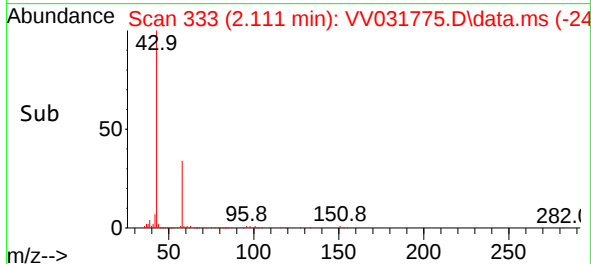
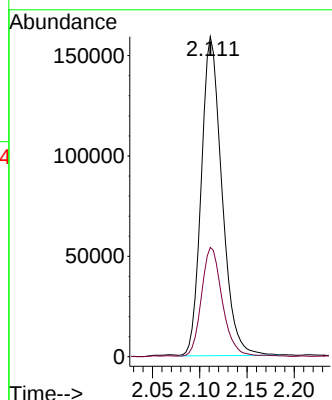
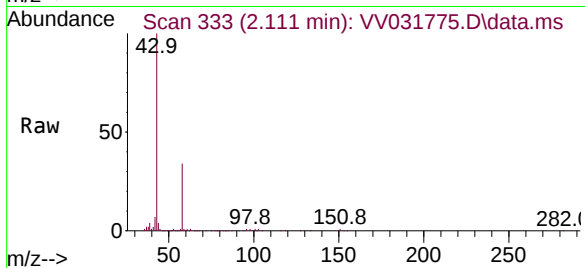
ClientSampleId :

Tgt Ion: 43 Resp: 242034

Ion Ratio Lower Upper

43 100

58 34.0 0.0 72.0



#14

Carbon disulfide

Concen: 45.640 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV031775.D

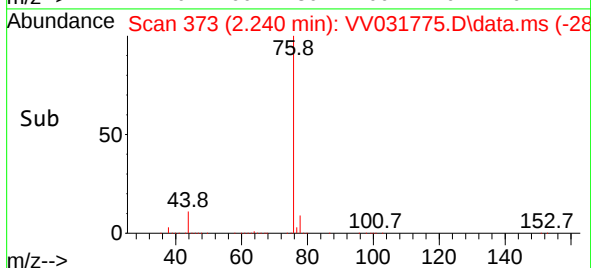
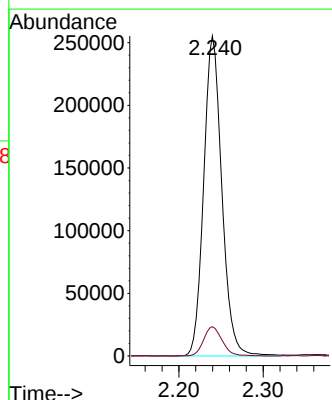
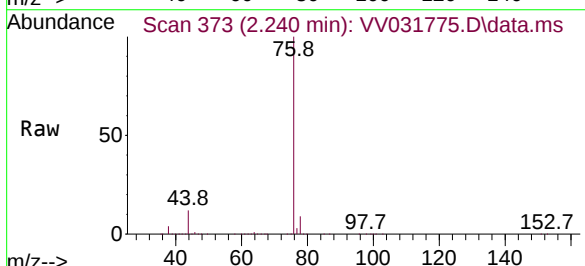
Acq: 28 Jul 2023 09:00

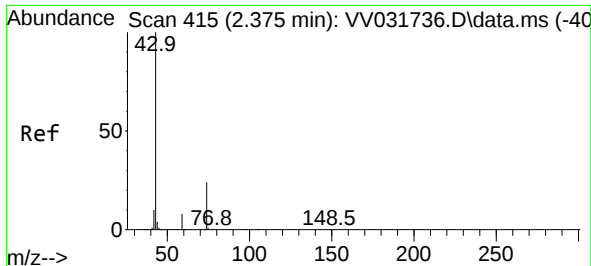
Tgt Ion: 76 Resp: 383430

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

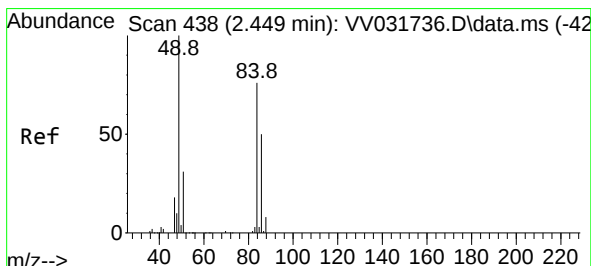
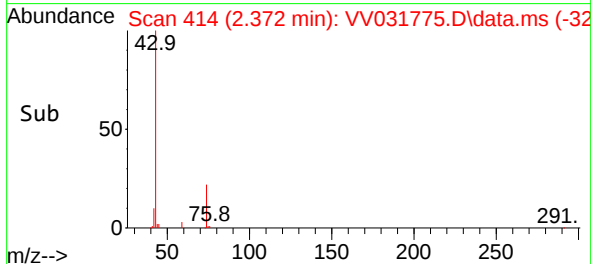
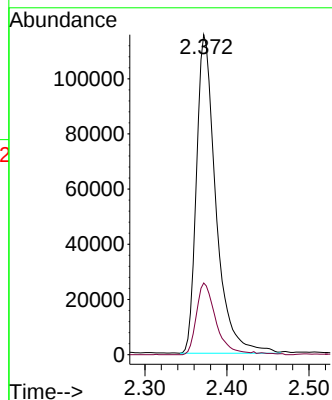
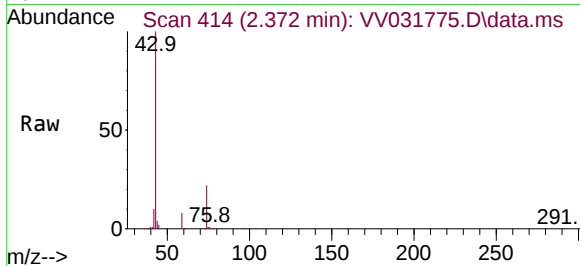




#15
Methyl Acetate
Concen: 45.525 ug/L
RT: 2.372 min Scan# 415
Delta R.T. 0.000 min
Lab File: VV031775.D
Acq: 28 Jul 2023 09:00

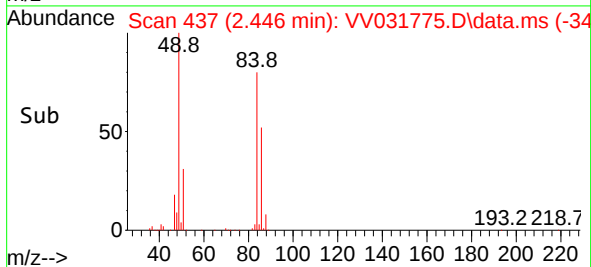
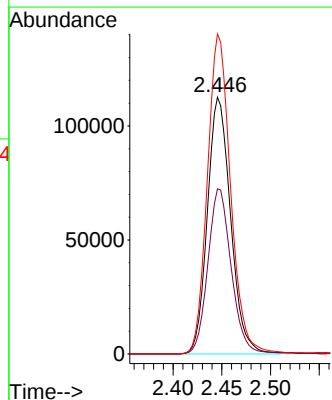
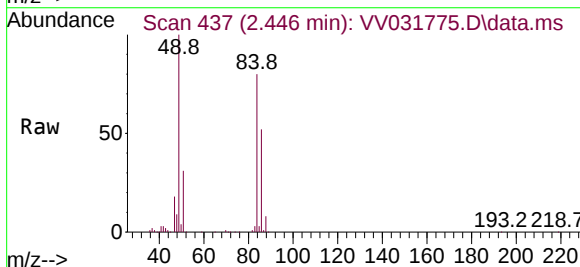
Instrument :
MSVOA_V
ClientSampleId :

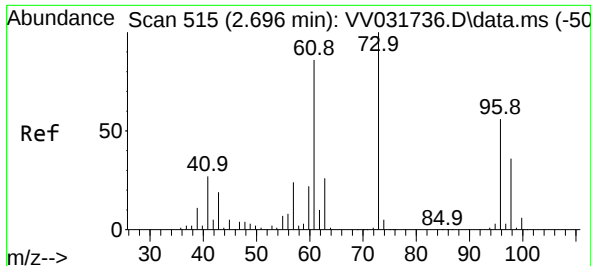
Tgt Ion: 43 Resp: 189836
Ion Ratio Lower Upper
43 100
74 22.5 19.5 29.3



#16
Methylene chloride
Concen: 48.650 ug/L
RT: 2.446 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV031775.D
Acq: 28 Jul 2023 09:00

Tgt Ion: 84 Resp: 186798
Ion Ratio Lower Upper
84 100
86 64.3 44.5 82.7
49 124.6 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 46.683 ug/L

RT: 2.693 min Scan# 515

Delta R.T. -0.003 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

Instrument :

MSVOA_V

ClientSampleId :

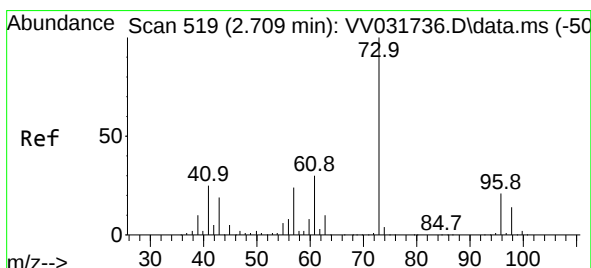
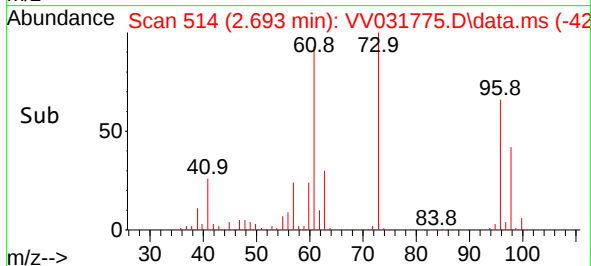
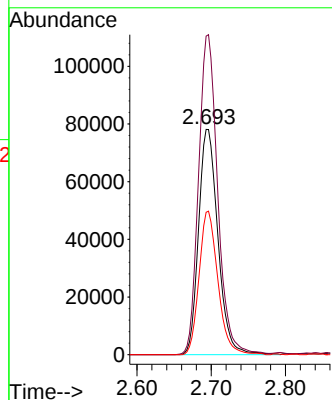
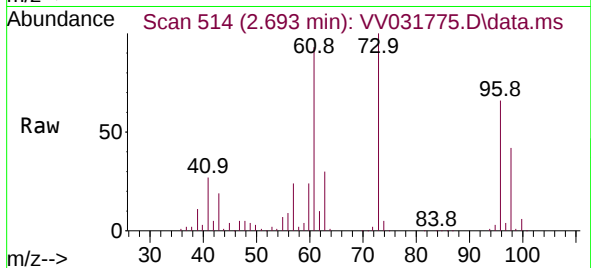
Tgt Ion: 96 Resp: 141927

Ion Ratio Lower Upper

96 100

61 141.4 101.6 188.6

98 65.1 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 43.980 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

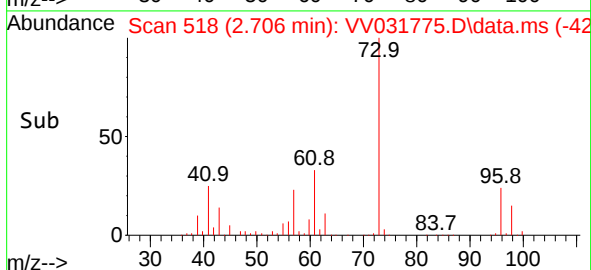
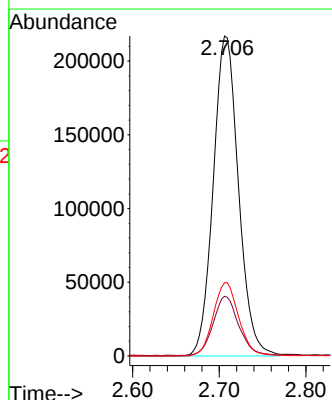
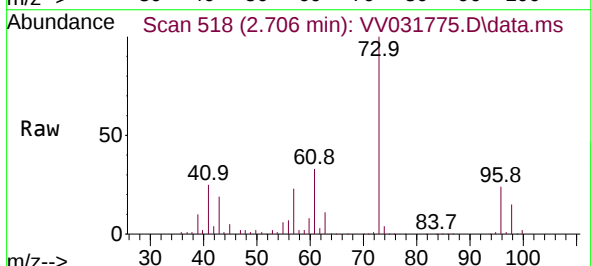
Tgt Ion: 73 Resp: 439869

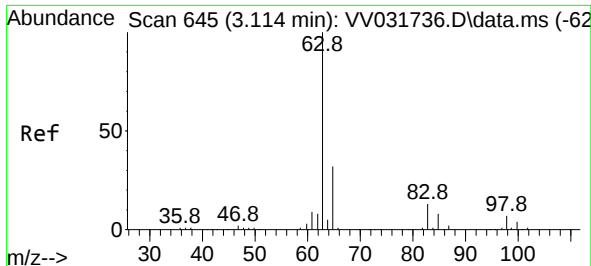
Ion Ratio Lower Upper

73 100

43 18.8 15.0 22.4

57 23.1 18.3 27.5





#19

1,1-Dichloroethane

Concen: 42.374 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

Instrument :

MSVOA_V

ClientSampleId :

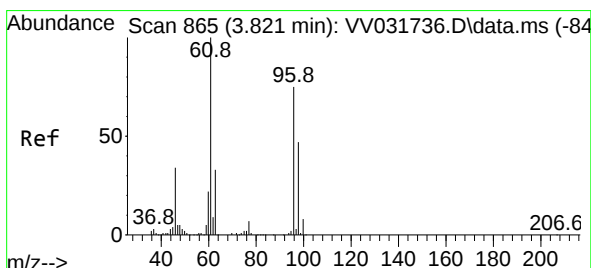
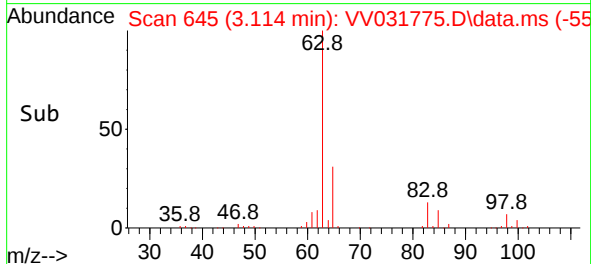
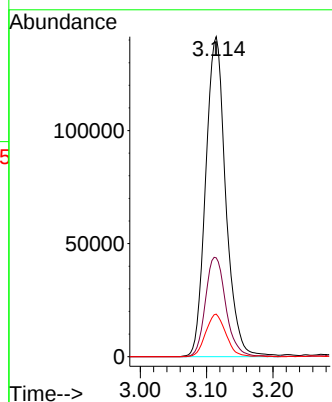
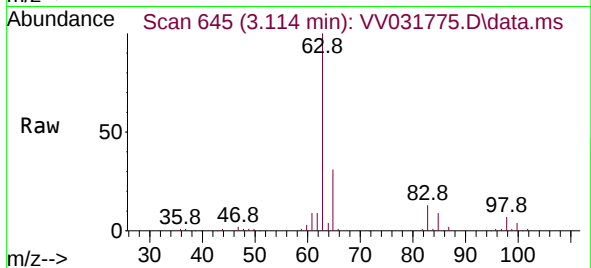
Tgt Ion: 63 Resp: 298214

Ion Ratio Lower Upper

63 100

65 30.9 22.3 41.5

83 13.3 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 46.090 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.003 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

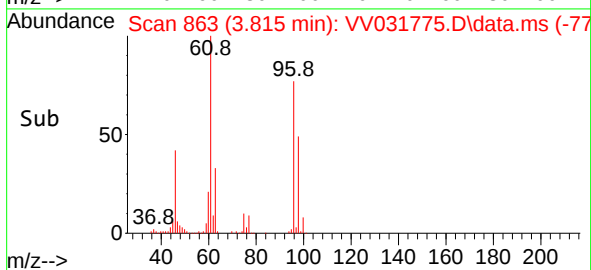
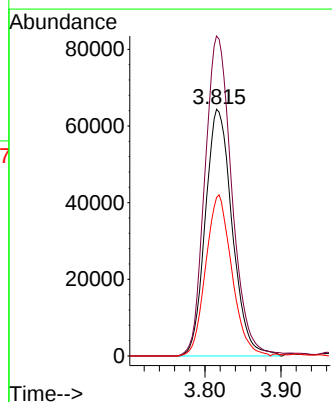
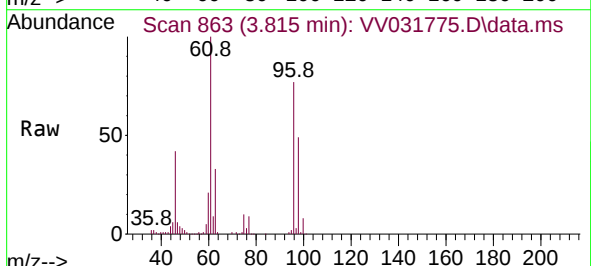
Tgt Ion: 96 Resp: 158244

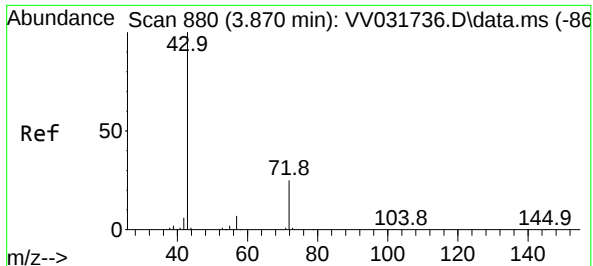
Ion Ratio Lower Upper

96 100

61 129.7 90.6 168.2

98 64.2 43.8 81.3

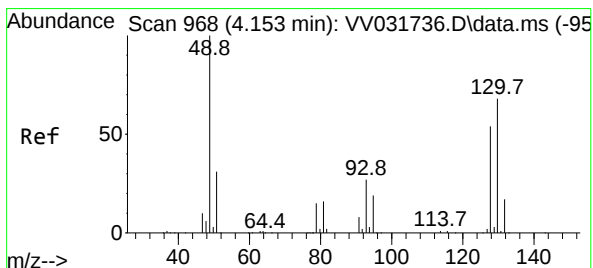
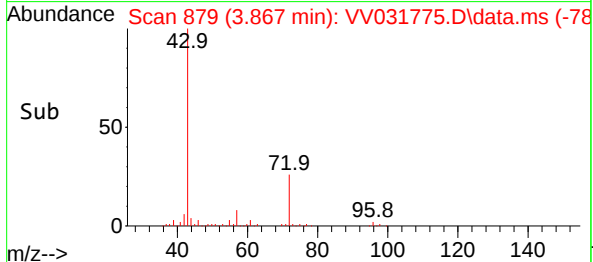
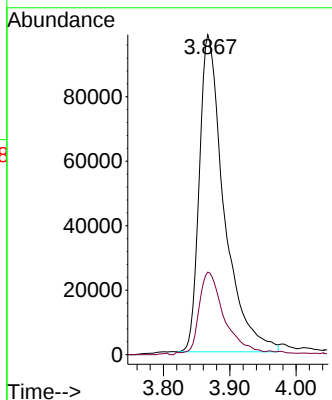
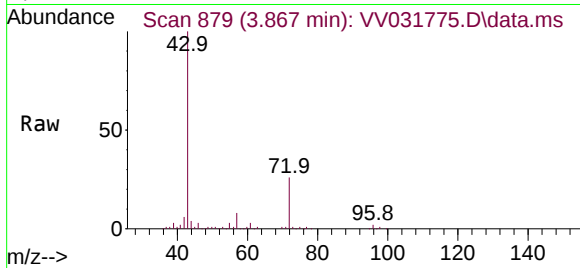




#22
2-Butanone
Concen: 93.788 ug/L
RT: 3.867 min Scan# 81
Delta R.T. 0.000 min
Lab File: VV031775.D
Acq: 28 Jul 2023 09:00

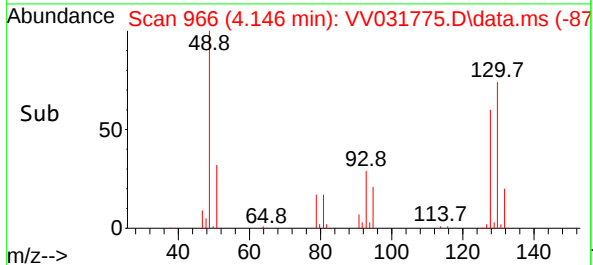
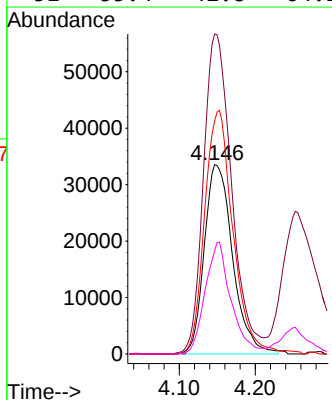
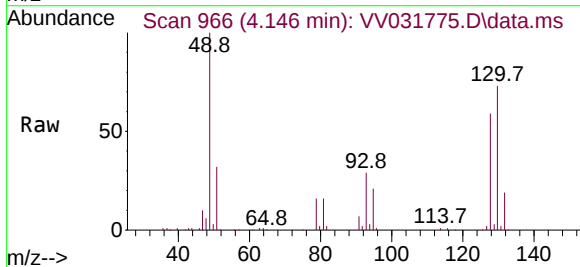
Instrument :
MSVOA_V
ClientSampleId :

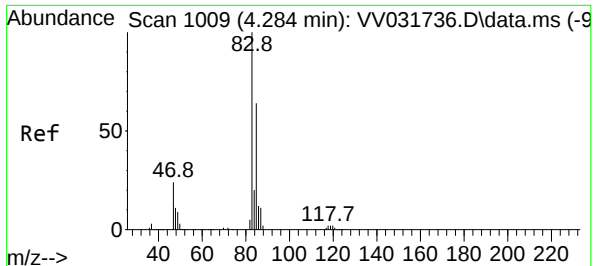
Tgt Ion: 43 Resp: 255445
Ion Ratio Lower Upper
43 100
72 25.3 12.7 38.0



#23
Bromochloromethane
Concen: 45.745 ug/L
RT: 4.146 min Scan# 966
Delta R.T. -0.006 min
Lab File: VV031775.D
Acq: 28 Jul 2023 09:00

Tgt Ion:128 Resp: 86963
Ion Ratio Lower Upper
128 100
49 169.1 117.9 218.9
130 126.1 89.1 165.5
51 55.4 42.8 64.2

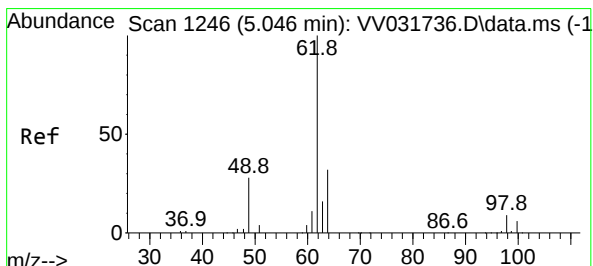
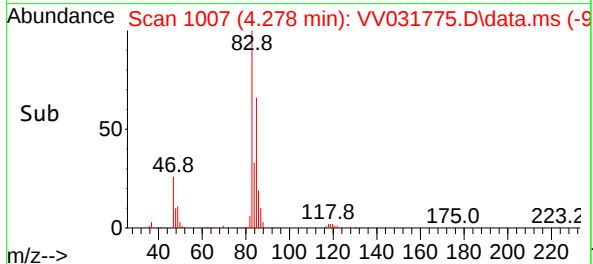
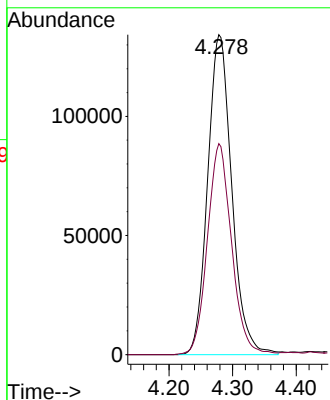
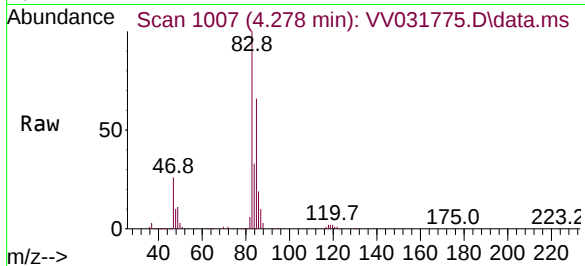




#25
Chloroform
Concen: 47.365 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. 0.000 min
Lab File: VV031775.D
Acq: 28 Jul 2023 09:00

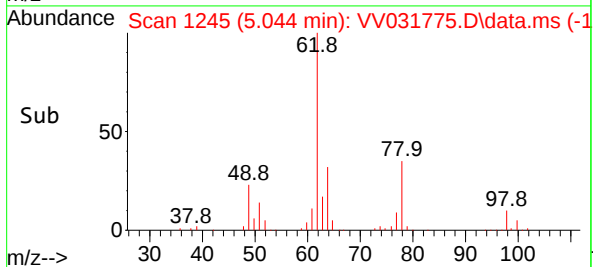
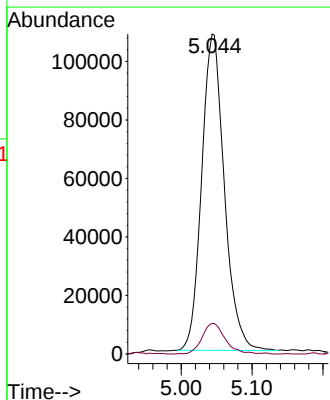
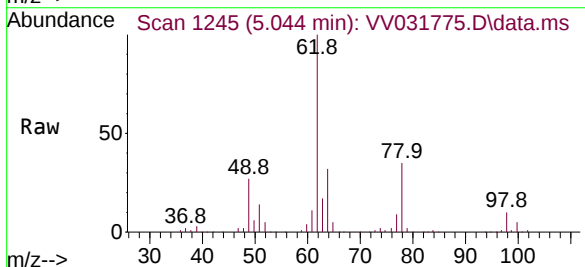
Instrument :
MSVOA_V
ClientSampleId :

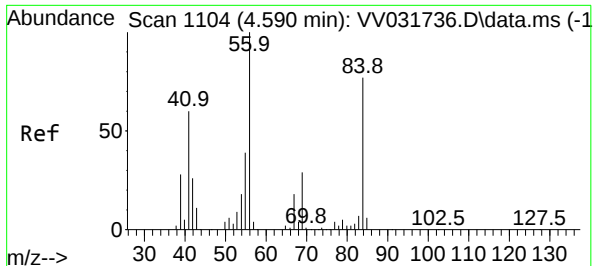
Tgt Ion: 83 Resp: 353095
Ion Ratio Lower Upper
83 100
85 66.0 45.1 83.9



#27
1,2-Dichloroethane
Concen: 43.332 ug/L
RT: 5.044 min Scan# 1245
Delta R.T. 0.000 min
Lab File: VV031775.D
Acq: 28 Jul 2023 09:00

Tgt Ion: 62 Resp: 240247
Ion Ratio Lower Upper
62 100
98 10.3 7.5 11.3





#29

Cyclohexane

Concen: 41.446 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

Instrument :

MSVOA_V

ClientSampleId :

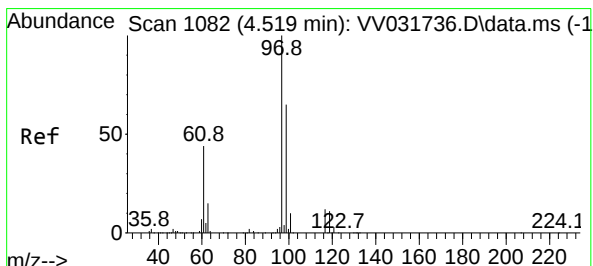
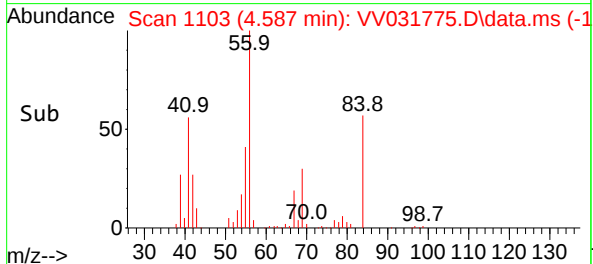
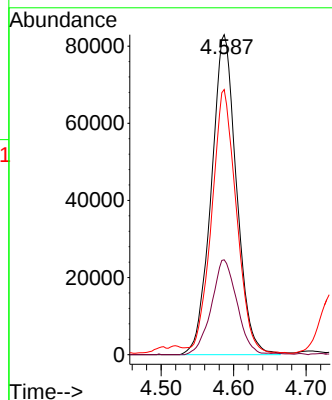
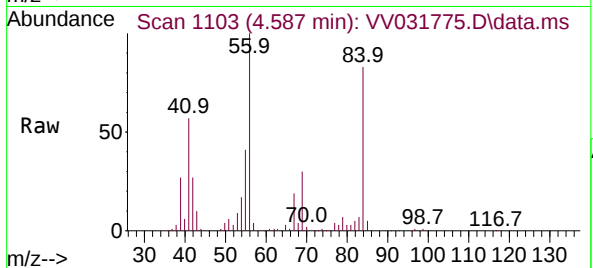
Tgt Ion: 56 Resp: 200121

Ion Ratio Lower Upper

56 100

69 30.0 24.1 36.1

84 80.0 63.6 95.4



#30

1,1,1-Trichloroethane

Concen: 43.807 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

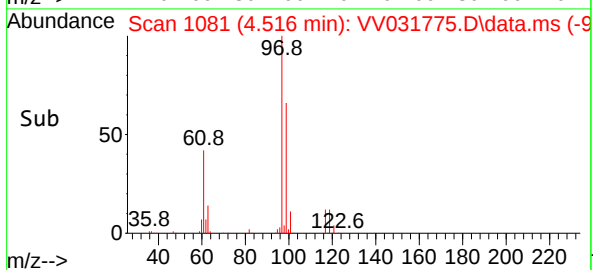
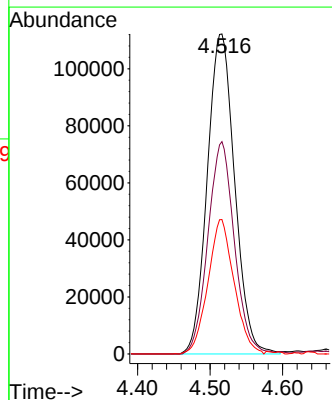
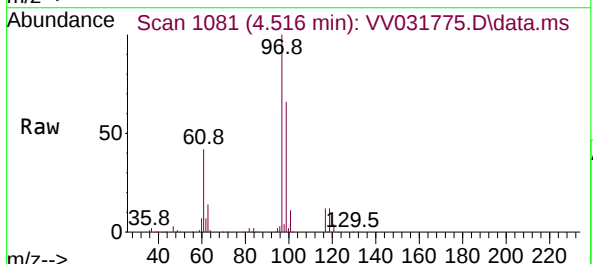
Tgt Ion: 97 Resp: 295094

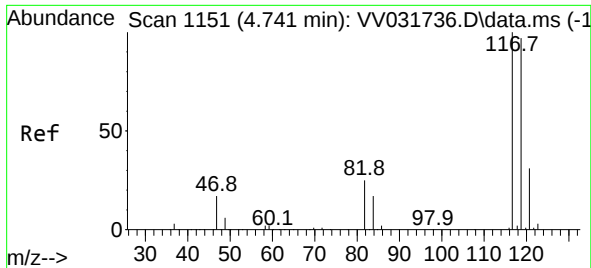
Ion Ratio Lower Upper

97 100

99 64.0 51.5 77.3

61 40.0 32.2 48.2

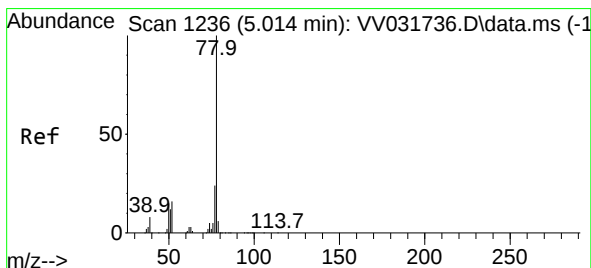
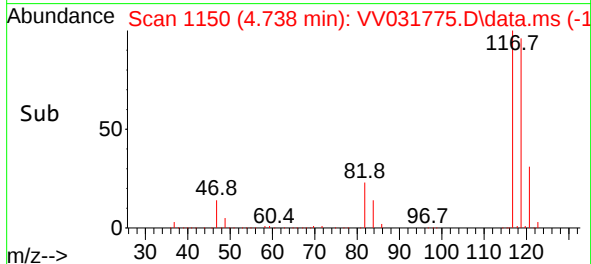
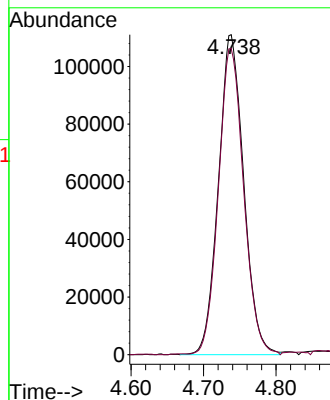
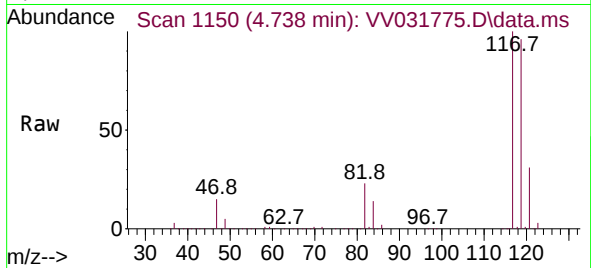




#31
Carbon tetrachloride
Concen: 45.676 ug/L
RT: 4.738 min Scan# 1151
Delta R.T. 0.000 min
Lab File: VV031775.D
Acq: 28 Jul 2023 09:00

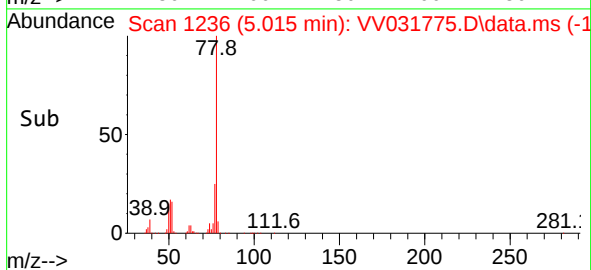
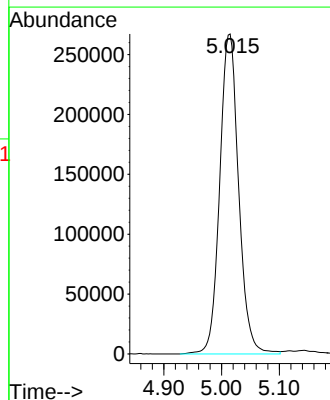
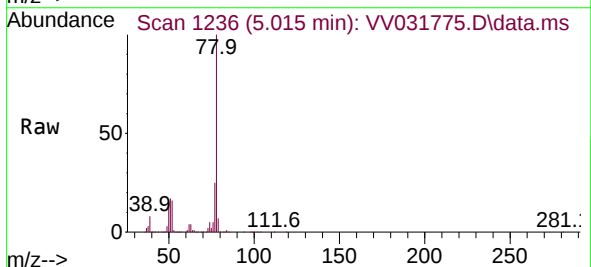
Instrument :
MSVOA_V
ClientSampleId :

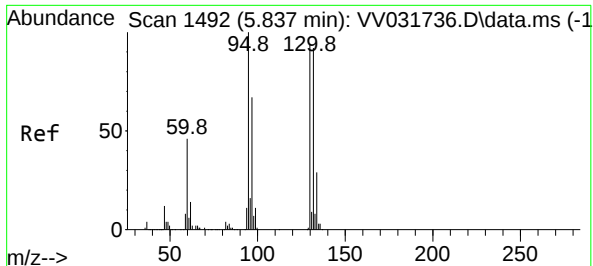
Tgt Ion:117 Resp: 268654
Ion Ratio Lower Upper
117 100
119 95.7 78.0 117.0



#33
Benzene
Concen: 44.056 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VV031775.D
Acq: 28 Jul 2023 09:00

Tgt Ion: 78 Resp: 607677





#34

Trichloroethene

Concen: 43.499 ug/L

RT: 5.834 min Scan# 1492

Delta R.T. 0.000 min

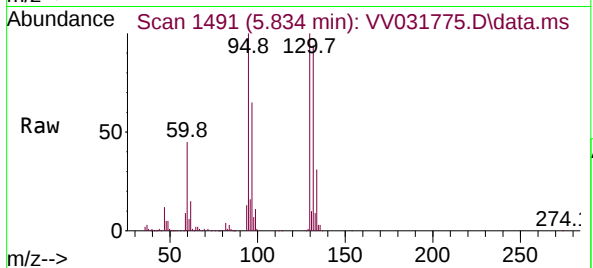
Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 189331

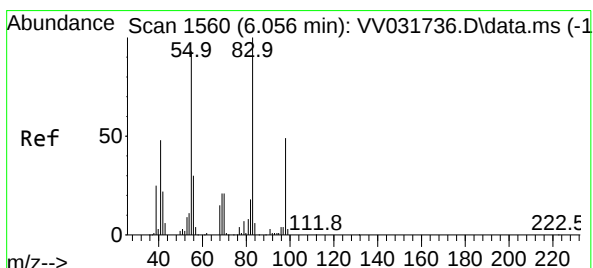
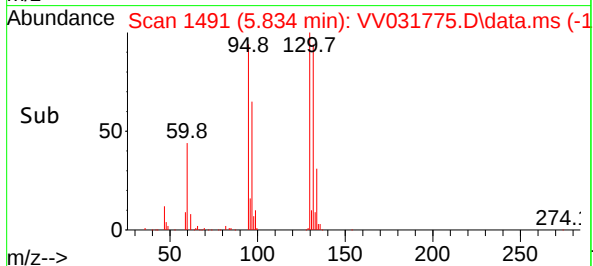
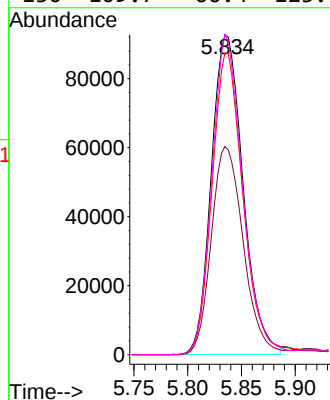
Ion Ratio Lower Upper

95 100

97 65.1 47.0 87.2

132 94.3 64.8 120.4

130 109.7 66.4 123.4



#35

Methylcyclohexane

Concen: 46.265 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. -0.003 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

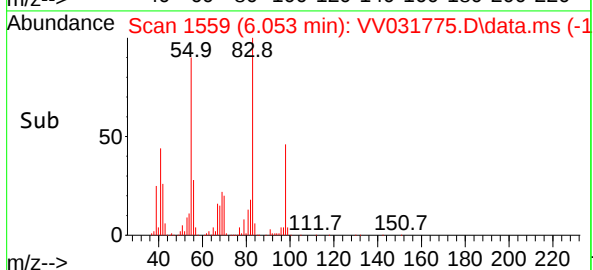
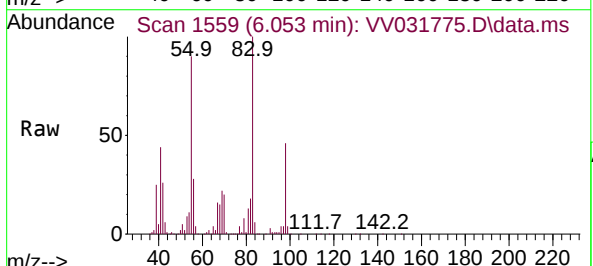
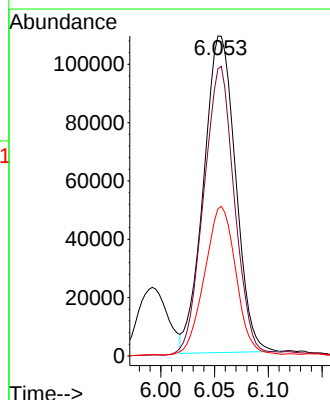
Tgt Ion: 83 Resp: 223985

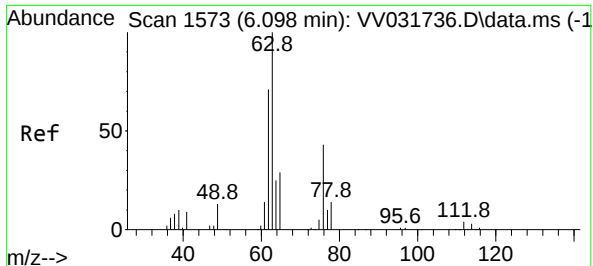
Ion Ratio Lower Upper

83 100

55 88.6 69.4 104.2

98 45.9 38.2 57.2





#37

1,2-Dichloropropane

Concen: 46.533 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

Instrument :

MSVOA_V

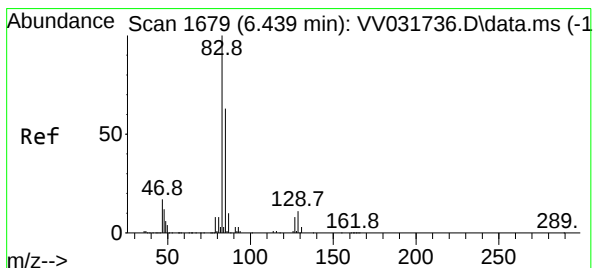
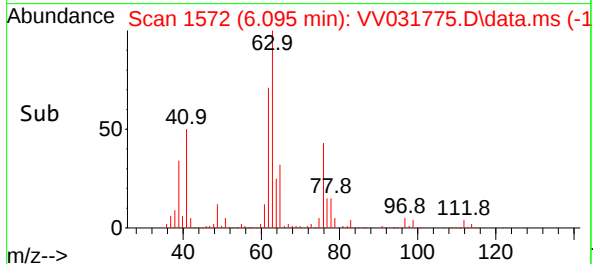
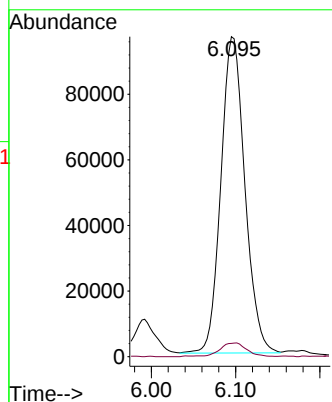
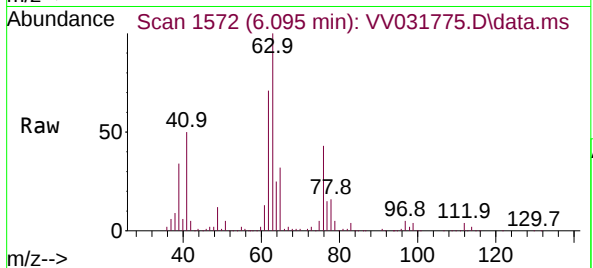
ClientSampleId :

Tgt Ion: 63 Resp: 190662

Ion Ratio Lower Upper

63 100

112 4.8 3.7 5.5



#38

Bromodichloromethane

Concen: 42.657 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

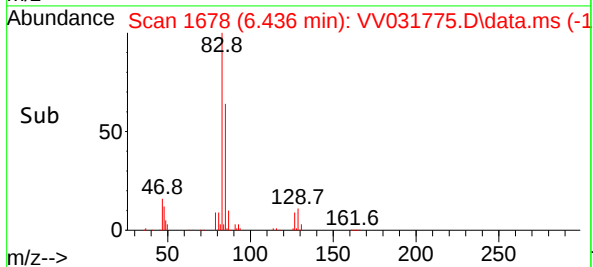
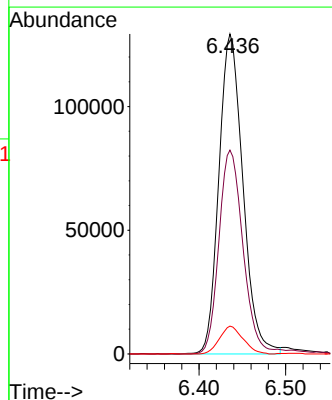
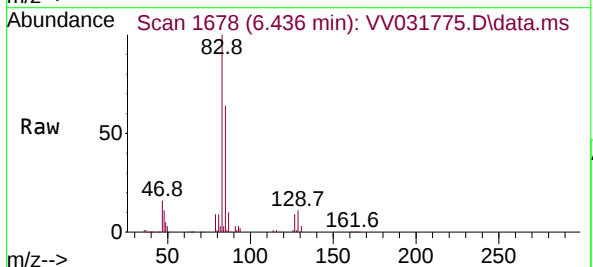
Tgt Ion: 83 Resp: 249321

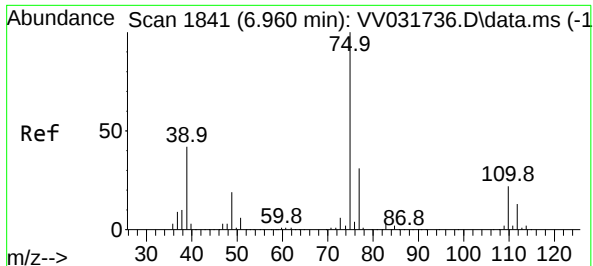
Ion Ratio Lower Upper

83 100

85 63.7 44.2 82.0

127 9.6 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 40.725 ug/L

RT: 6.957 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

Instrument :

MSVOA_V

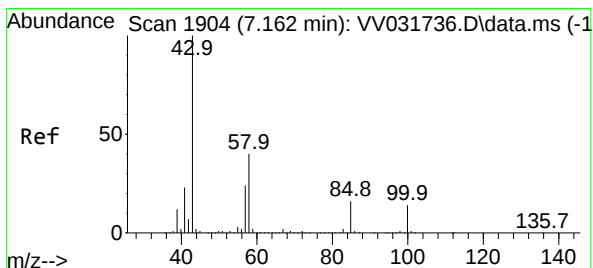
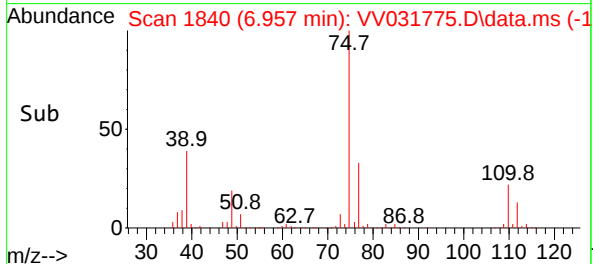
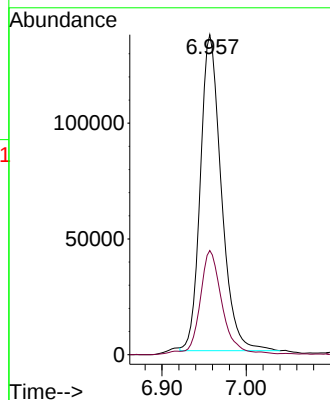
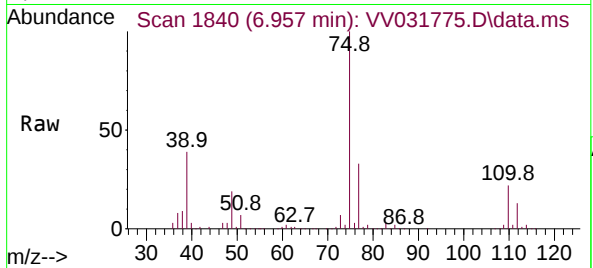
ClientSampleId :

Tgt Ion: 75 Resp: 236893

Ion Ratio Lower Upper

75 100

77 32.5 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 94.430 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

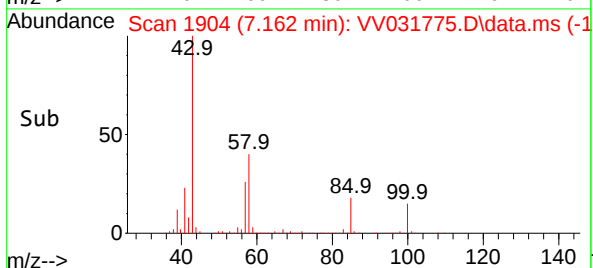
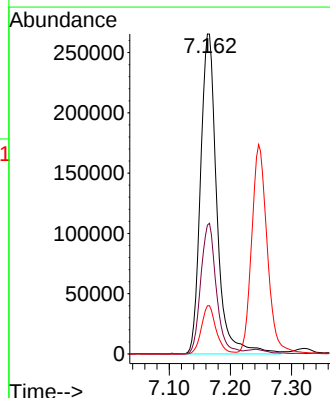
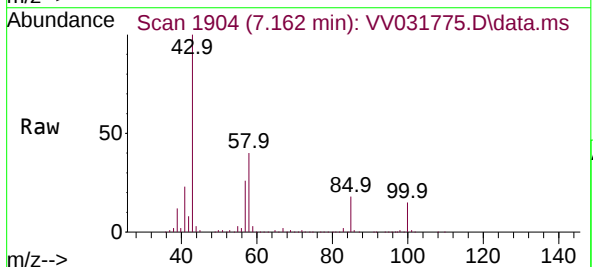
Tgt Ion: 43 Resp: 492781

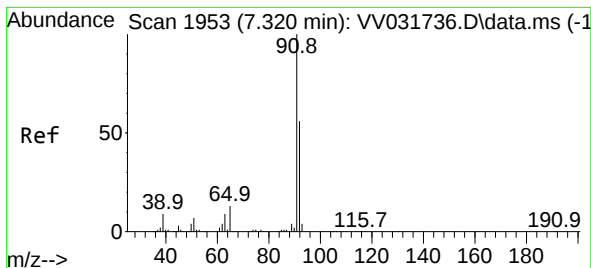
Ion Ratio Lower Upper

43 100

58 39.0 32.1 48.1

100 13.7 12.1 18.1





#42

Toluene

Concen: 50.539 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

Instrument :

MSVOA_V

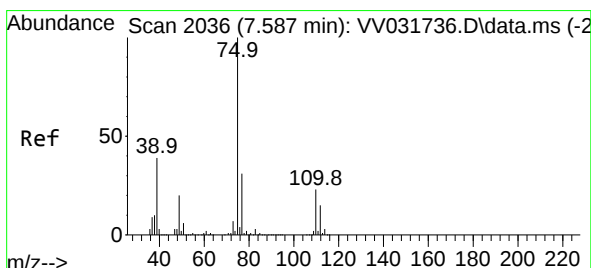
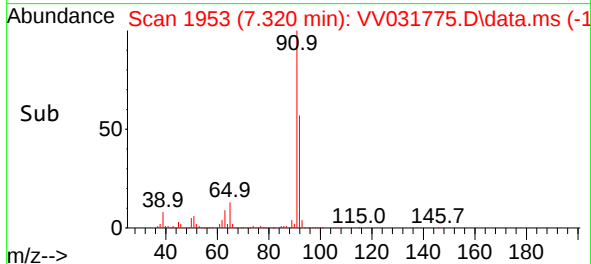
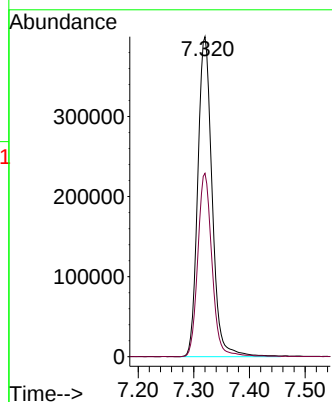
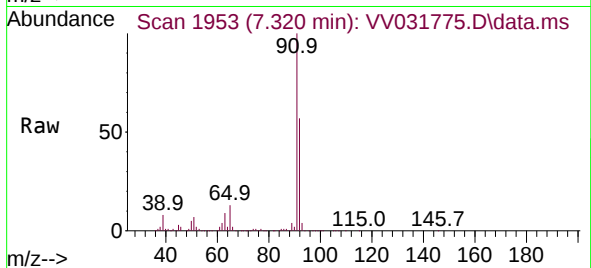
ClientSampleId :

Tgt Ion: 91 Resp: 715931

Ion Ratio Lower Upper

91 100

92 57.3 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 44.970 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV031775.D

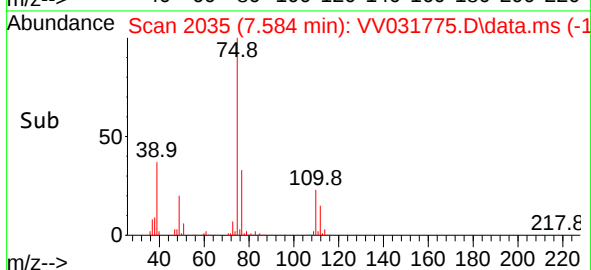
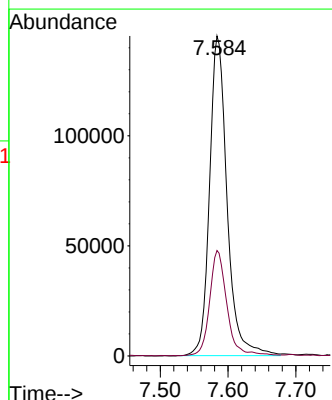
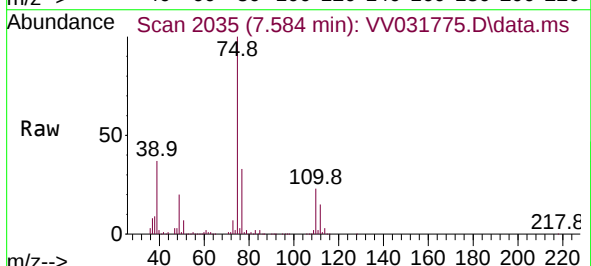
Acq: 28 Jul 2023 09:00

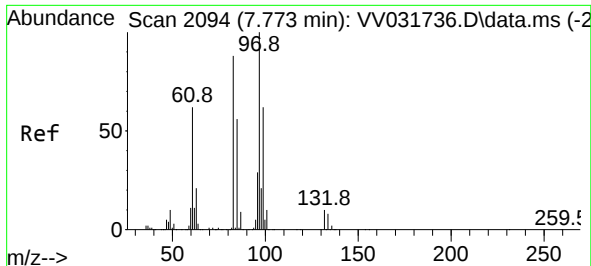
Tgt Ion: 75 Resp: 261045

Ion Ratio Lower Upper

75 100

77 32.9 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 45.139 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. 0.000 min

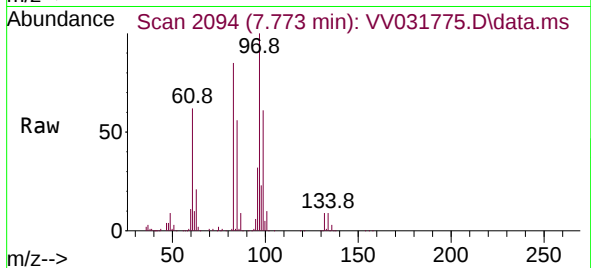
Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 97 Resp: 186627

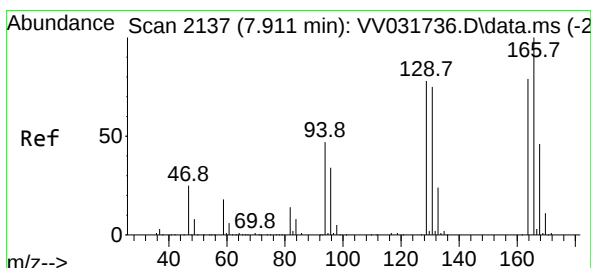
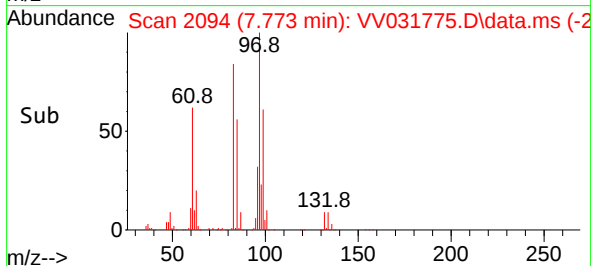
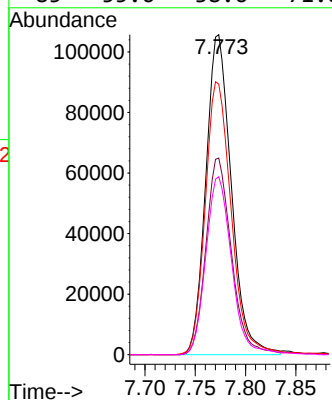
Ion Ratio Lower Upper

97 100

99 61.5 45.2 84.0

83 84.5 59.5 110.5

85 55.6 38.6 71.8



#46

Tetrachloroethene

Concen: 48.445 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

Tgt Ion: 164 Resp: 133232

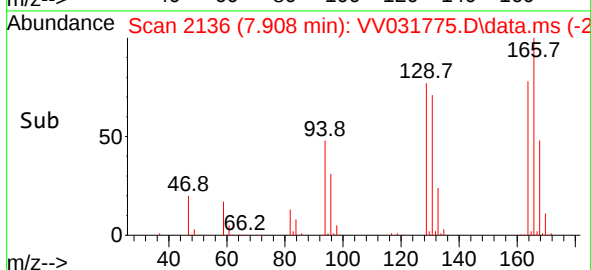
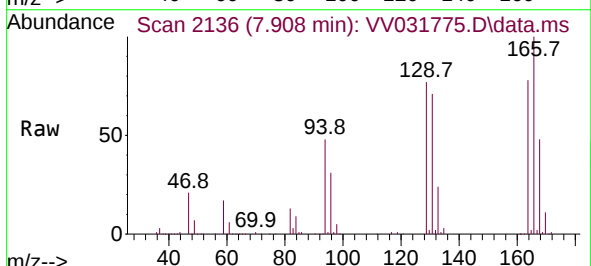
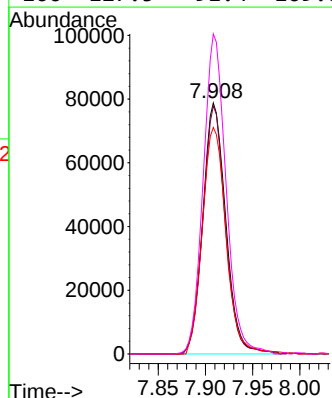
Ion Ratio Lower Upper

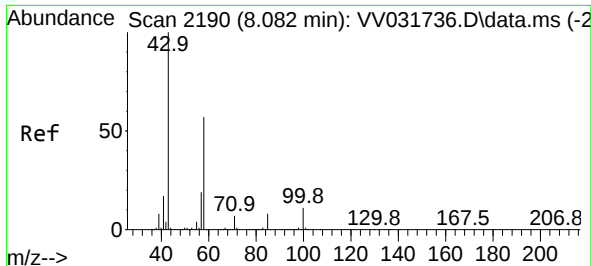
164 100

129 101.2 65.2 121.0

131 90.2 67.1 124.7

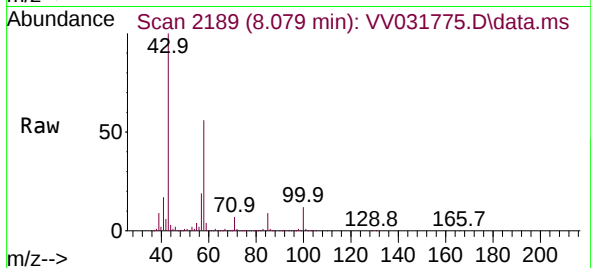
166 127.5 91.4 169.8



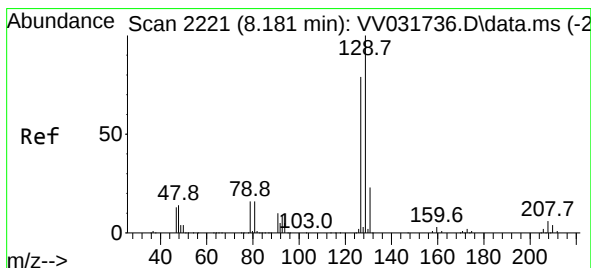
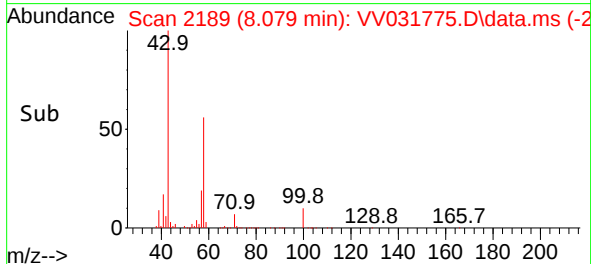
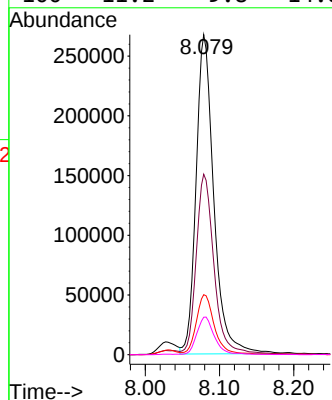


#48
2-Hexanone
Concen: 107.052 ug/L
RT: 8.079 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031775.D
Acq: 28 Jul 2023 09:00

Instrument :
MSVOA_V
ClientSampleId :

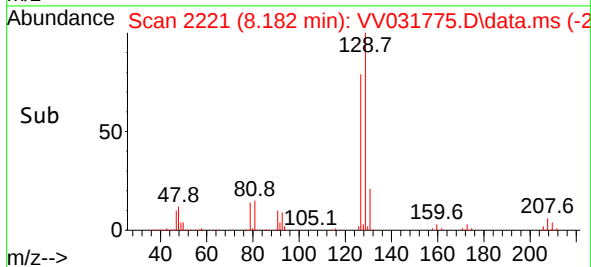
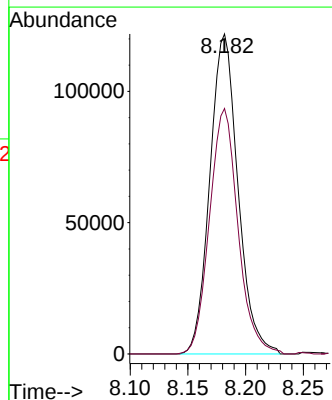
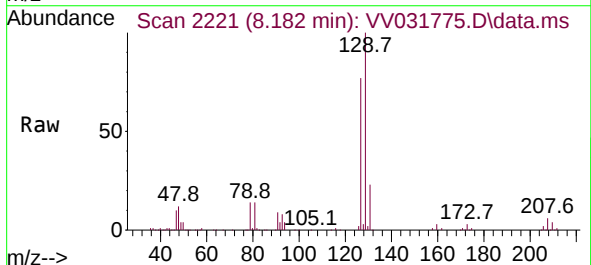


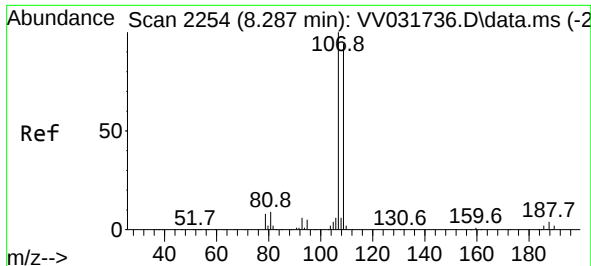
Tgt Ion: 43 Resp: 445605
Ion Ratio Lower Upper
43 100
58 55.9 46.3 69.5
57 18.7 16.8 25.2
100 11.2 9.8 14.8



#49
Dibromochloromethane
Concen: 47.404 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031775.D
Acq: 28 Jul 2023 09:00

Tgt Ion: 129 Resp: 206821
Ion Ratio Lower Upper
129 100
127 75.4 55.2 102.6





#50

1,2-Dibromoethane

Concen: 47.088 ug/L

RT: 8.285 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

Instrument :

MSVOA_V

ClientSampleId :

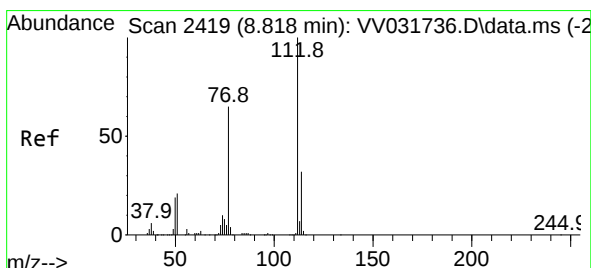
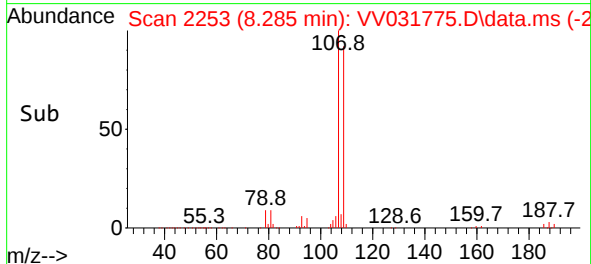
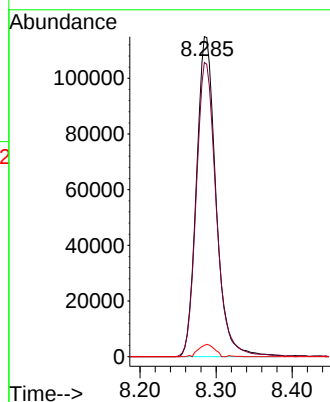
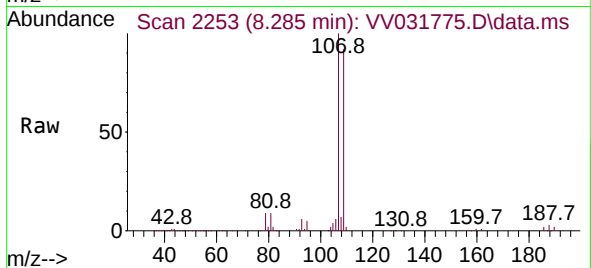
Tgt Ion:107 Resp: 205100

Ion Ratio Lower Upper

107 100

109 91.9 65.4 121.4

188 3.6 2.8 4.2



#51

Chlorobenzene

Concen: 46.675 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

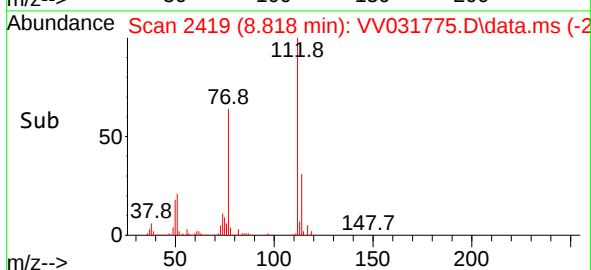
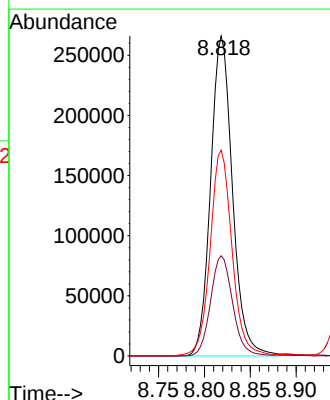
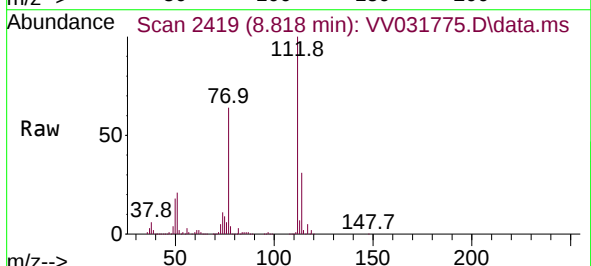
Tgt Ion:112 Resp: 441793

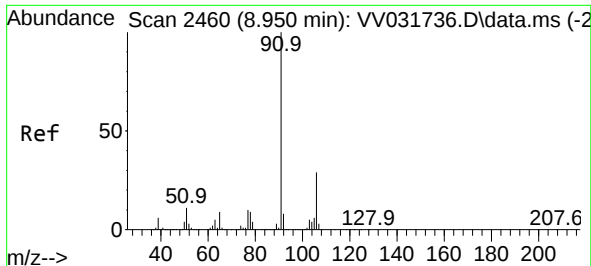
Ion Ratio Lower Upper

112 100

114 31.3 22.2 41.2

77 64.3 50.6 76.0





#52

Ethylbenzene

Concen: 47.756 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

Instrument :

MSVOA_V

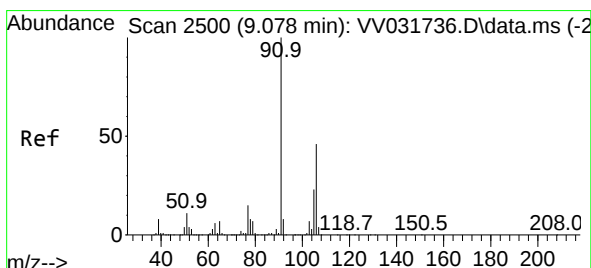
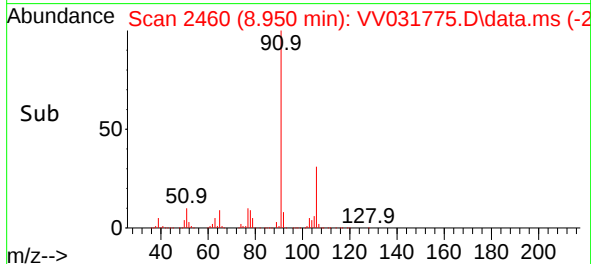
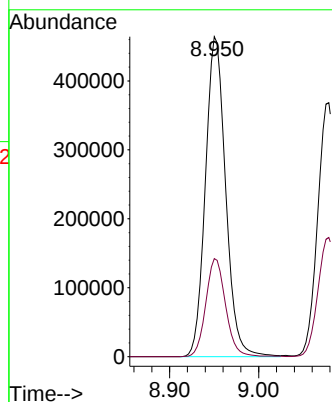
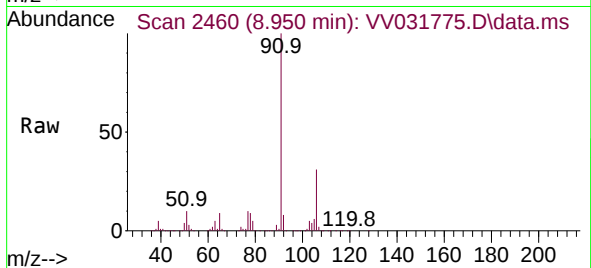
ClientSampleId :

Tgt Ion: 91 Resp: 733123

Ion Ratio Lower Upper

91 100

106 30.6 21.5 39.9



#53

m,p-Xylene

Concen: 50.942 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV031775.D

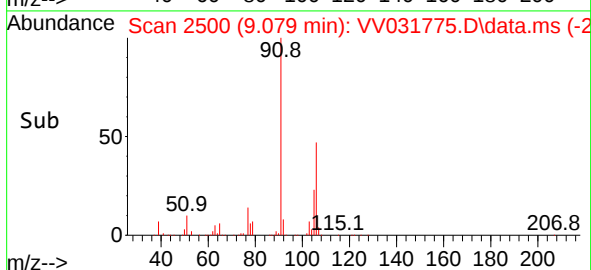
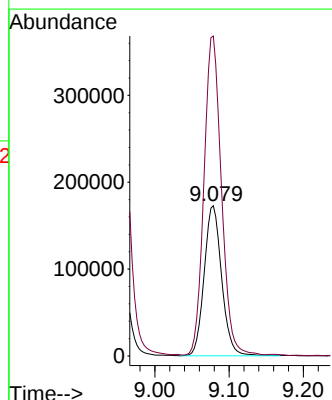
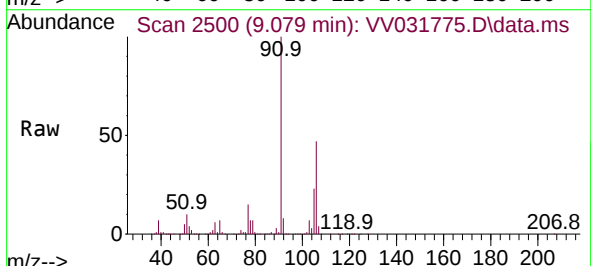
Acq: 28 Jul 2023 09:00

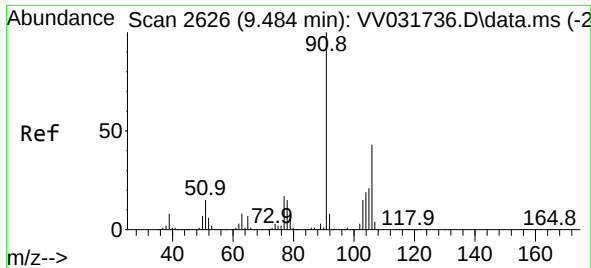
Tgt Ion:106 Resp: 282014

Ion Ratio Lower Upper

106 100

91 212.9 145.6 270.4

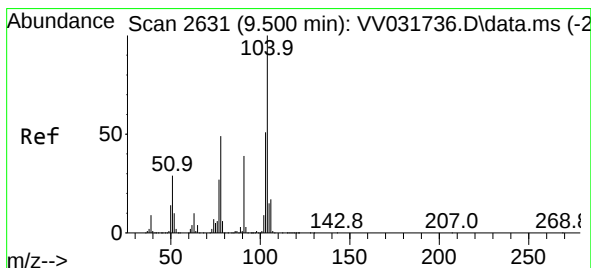
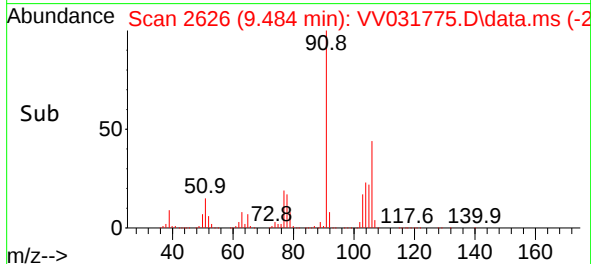
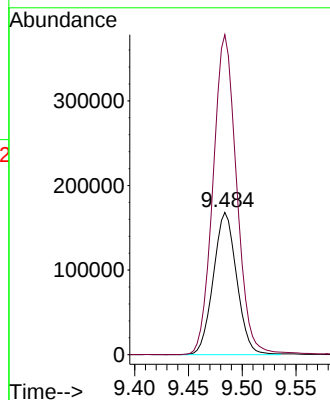
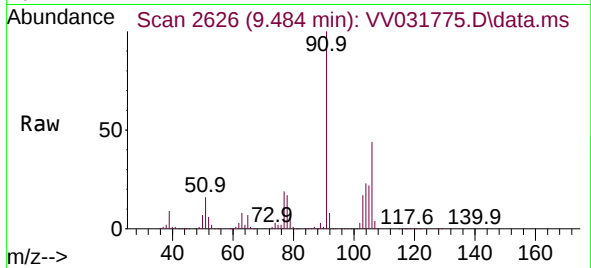




#54
o-Xylene
Concen: 47.966 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031775.D
Acq: 28 Jul 2023 09:00

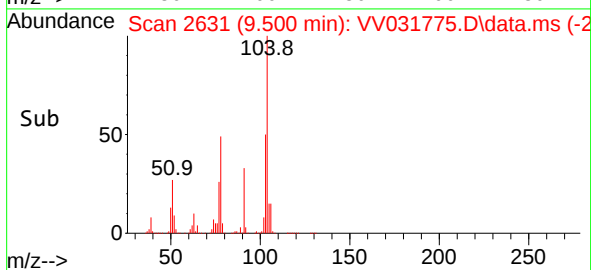
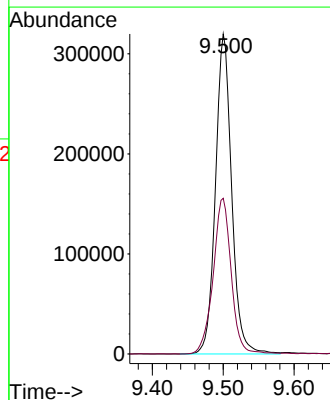
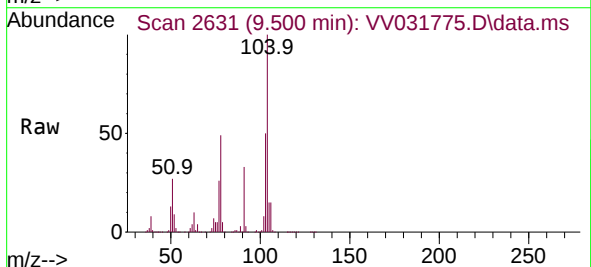
Instrument :
MSVOA_V
ClientSampleId :

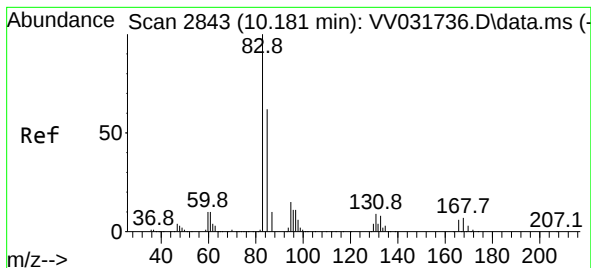
Tgt Ion:106 Resp: 254496
Ion Ratio Lower Upper
106 100
91 224.9 163.0 302.6



#55
Styrene
Concen: 52.345 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031775.D
Acq: 28 Jul 2023 09:00

Tgt Ion:104 Resp: 507335
Ion Ratio Lower Upper
104 100
78 48.7 34.4 64.0

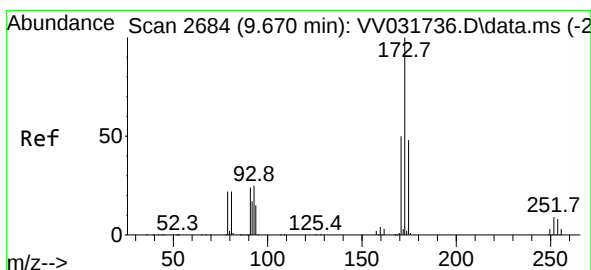
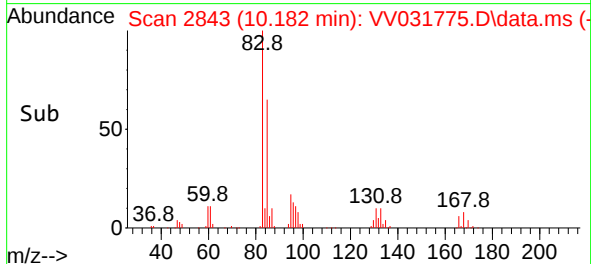
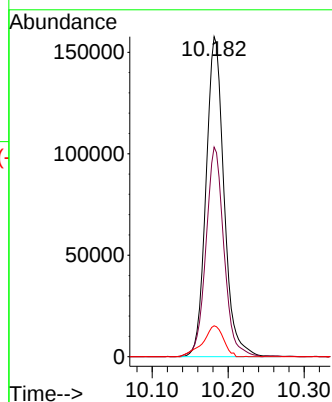
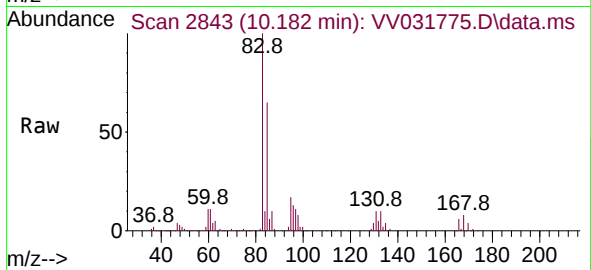




#57
1,1,2,2-Tetrachloroethane
Concen: 45.229 ug/L
RT: 10.182 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031775.D
Acq: 28 Jul 2023 09:00

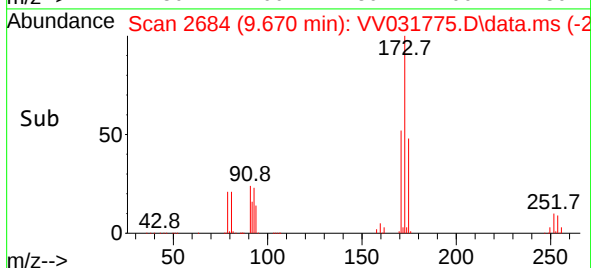
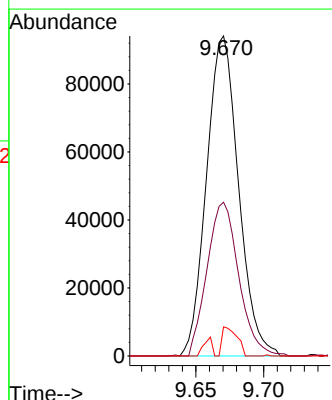
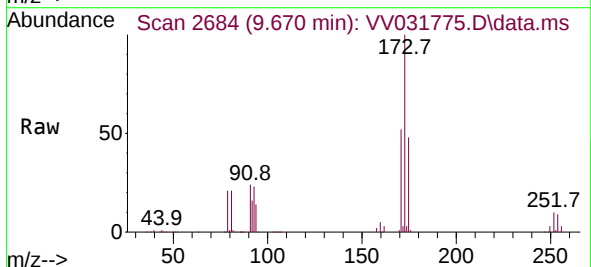
Instrument :
MSVOA_V
ClientSampleId :

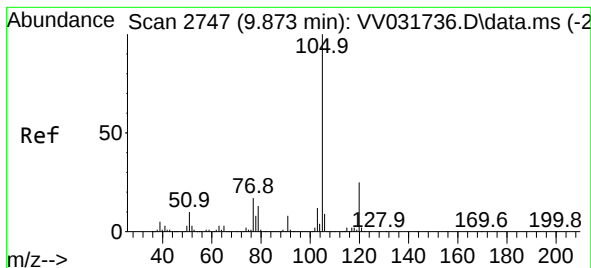
Tgt Ion: 83 Resp: 259301
Ion Ratio Lower Upper
83 100
85 65.5 43.4 80.6
131 9.6 10.9 16.3#



#59
Bromoform
Concen: 46.242 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.003 min
Lab File: VV031775.D
Acq: 28 Jul 2023 09:00

Tgt Ion: 173 Resp: 154581
Ion Ratio Lower Upper
173 100
175 47.5 38.6 58.0
254 4.2 6.9 10.3#





#60

Isopropylbenzene

Concen: 46.761 ug/L

RT: 9.873 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

Instrument :

MSVOA_V

ClientSampleId :

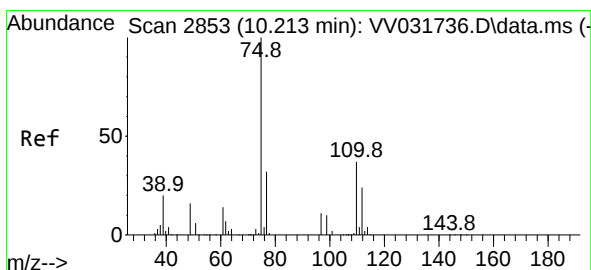
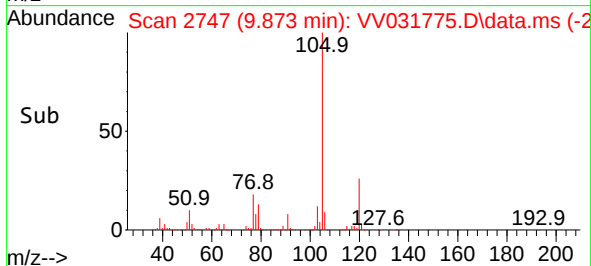
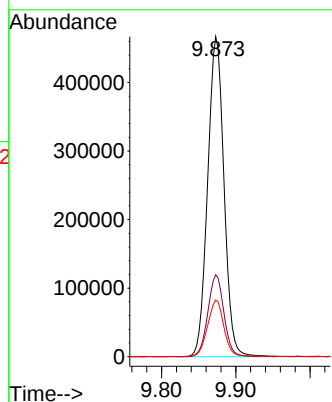
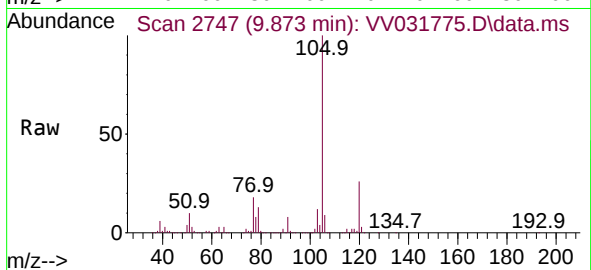
Tgt Ion:105 Resp: 711513

Ion Ratio Lower Upper

105 100

120 25.1 20.6 30.8

77 17.5 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 43.326 ug/L

RT: 10.214 min Scan# 2853

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

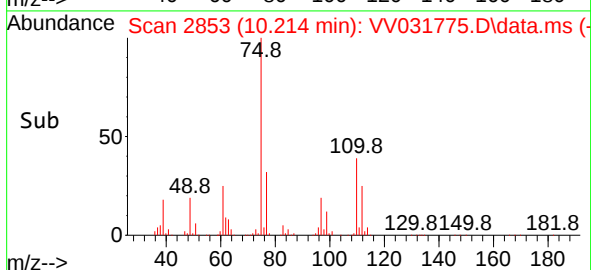
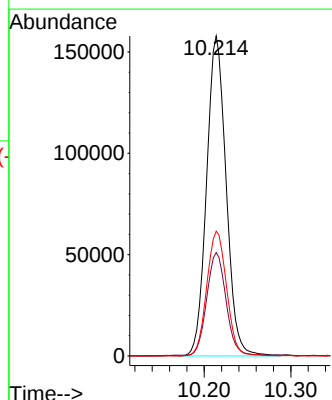
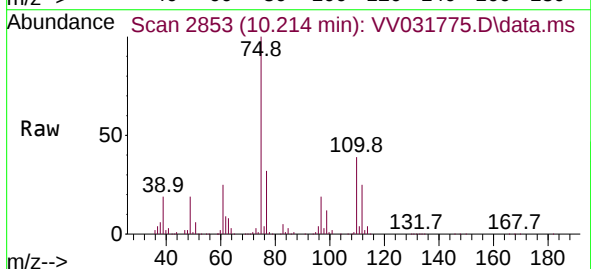
Tgt Ion: 75 Resp: 247769

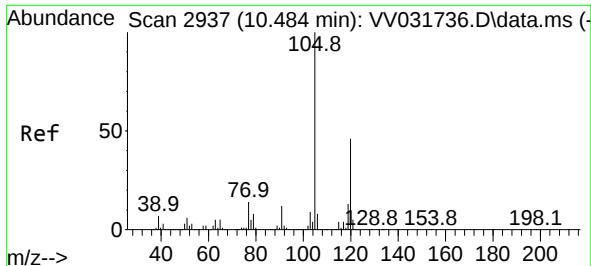
Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

110 39.6 31.4 47.0

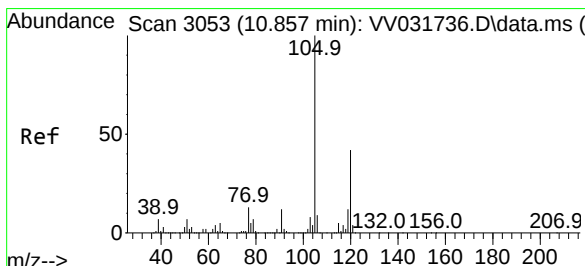
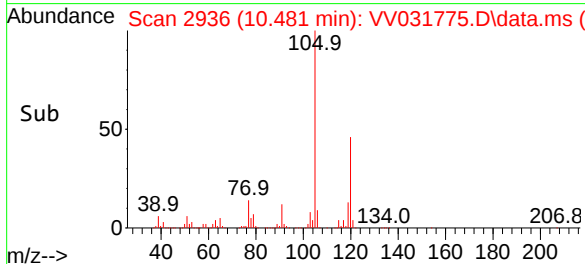
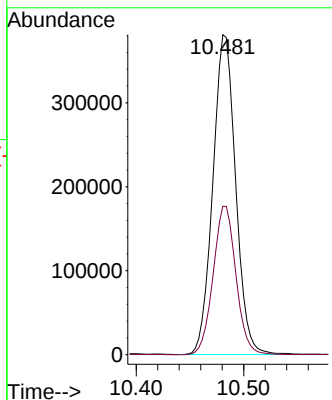
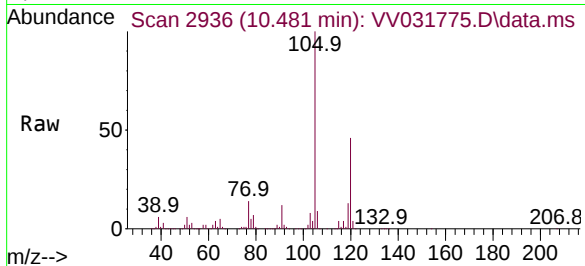




#62
 1,3,5-Trimethylbenzene
 Concen: 45.549 ug/L
 RT: 10.481 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031775.D
 Acq: 28 Jul 2023 09:00

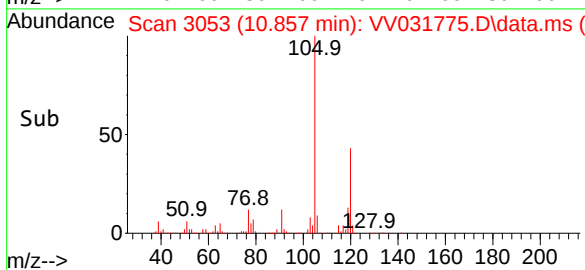
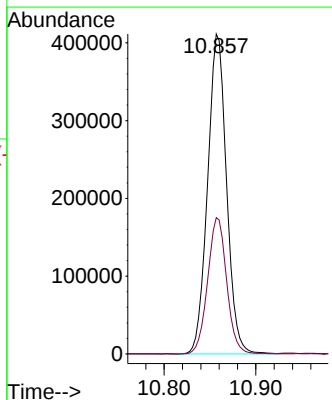
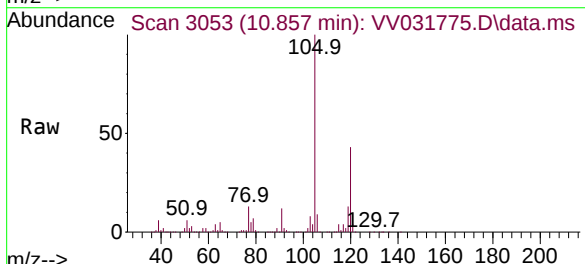
Instrument :
 MSVOA_V
 ClientSampleId :

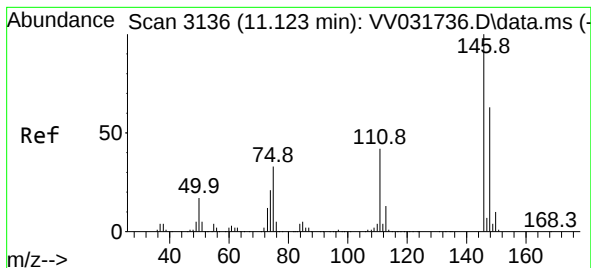
Tgt Ion:105 Resp: 560769
 Ion Ratio Lower Upper
 105 100
 120 46.6 37.4 56.0



#63
 1,2,4-Trimethylbenzene
 Concen: 47.337 ug/L
 RT: 10.857 min Scan# 3053
 Delta R.T. 0.000 min
 Lab File: VV031775.D
 Acq: 28 Jul 2023 09:00

Tgt Ion:105 Resp: 589971
 Ion Ratio Lower Upper
 105 100
 120 42.7 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 47.586 ug/L

RT: 11.120 min Scan# 3136

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

Instrument :

MSVOA_V

ClientSampleId :

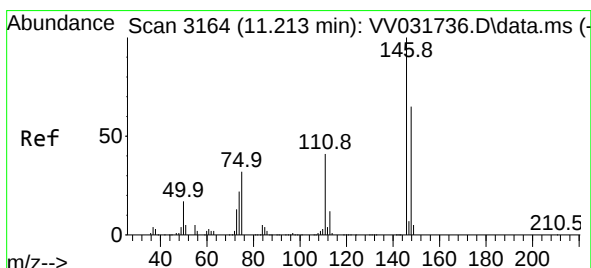
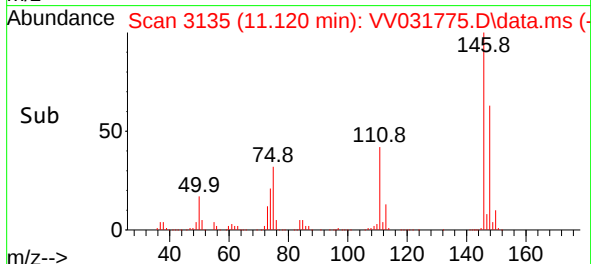
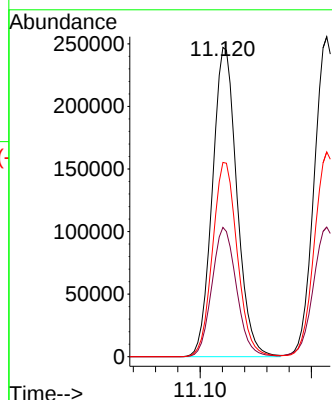
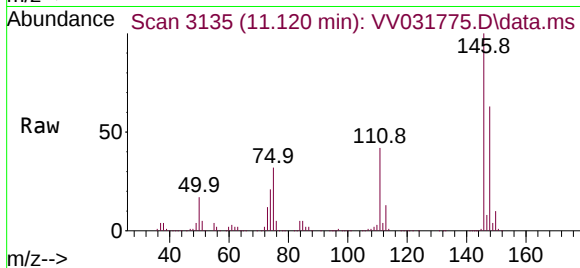
Tgt Ion:146 Resp: 378498

Ion Ratio Lower Upper

146 100

111 41.8 28.3 52.5

148 62.8 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 47.310 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

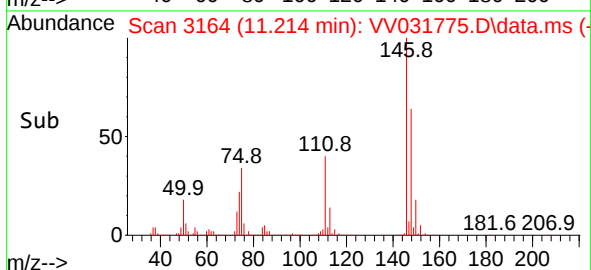
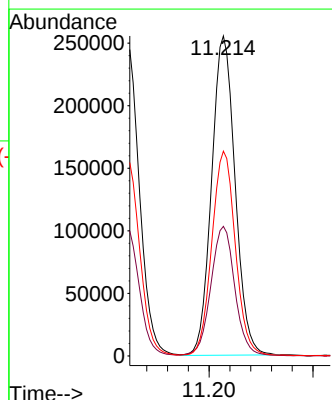
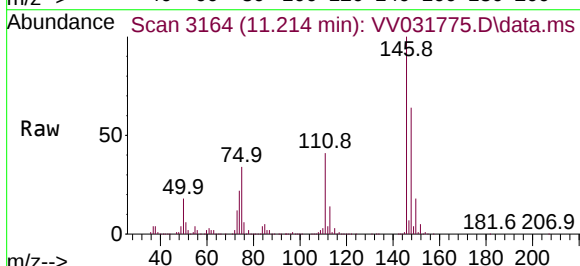
Tgt Ion:146 Resp: 400024

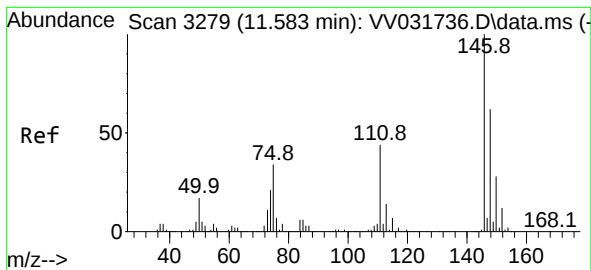
Ion Ratio Lower Upper

146 100

111 40.5 28.3 52.7

148 64.0 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 46.838 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.000 min

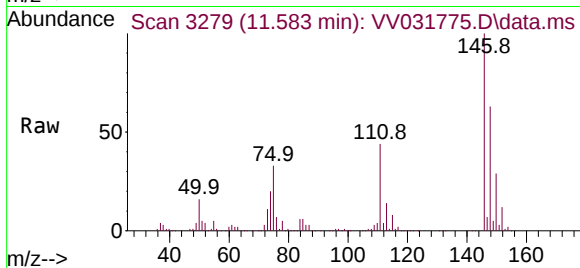
Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

Instrument :

MSVOA_V

ClientSampleId :



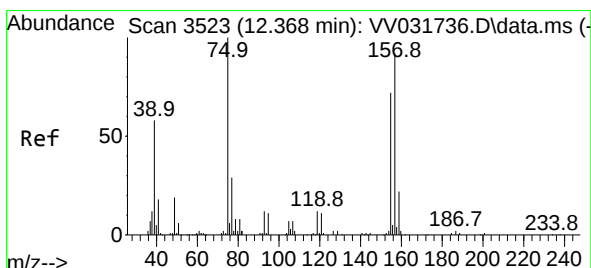
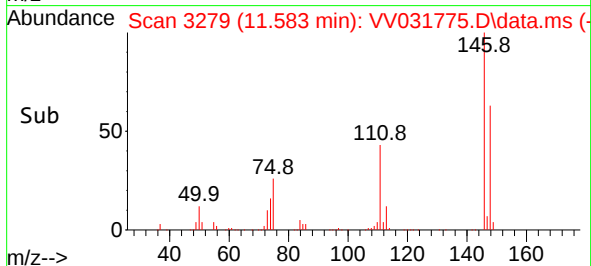
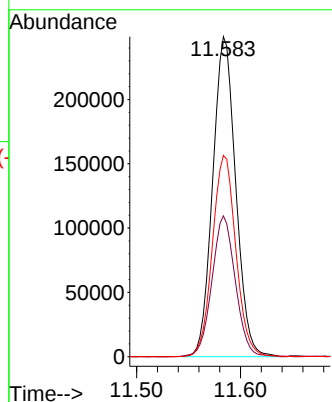
Tgt Ion:146 Resp: 383581

Ion Ratio Lower Upper

146 100

111 44.0 34.8 52.2

148 62.9 49.8 74.6



#68

1,2-Dibromo-3-chloropropane

Concen: 43.700 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

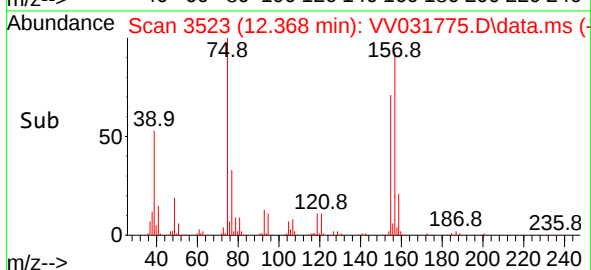
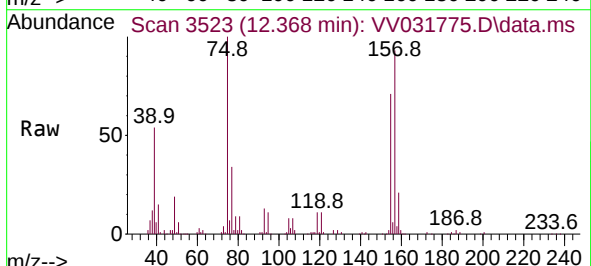
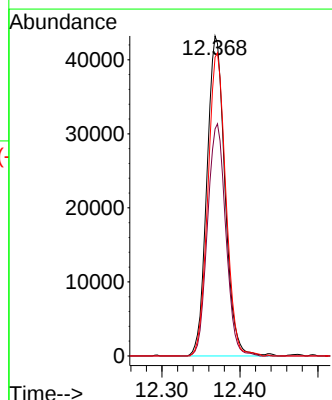
Tgt Ion: 75 Resp: 69508

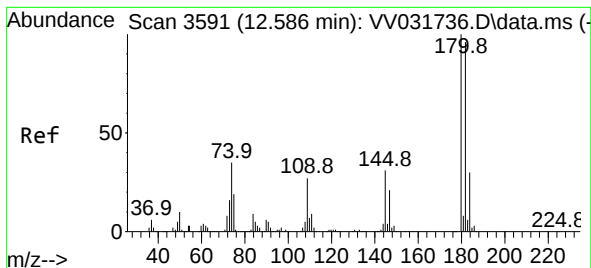
Ion Ratio Lower Upper

75 100

155 71.0 59.9 89.9

157 93.3 77.6 116.4





#69

1,3,5-Trichlorobenzene

Concen: 46.605 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. 0.000 min

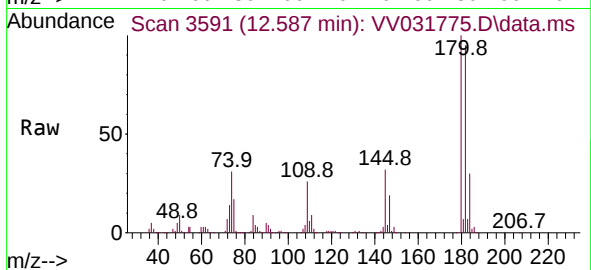
Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 270362

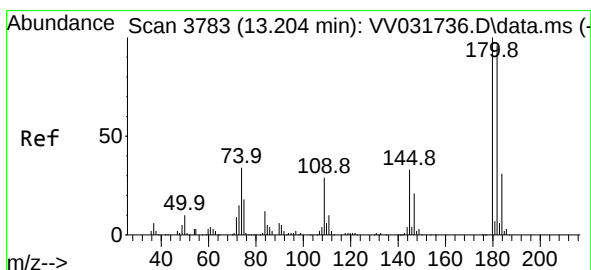
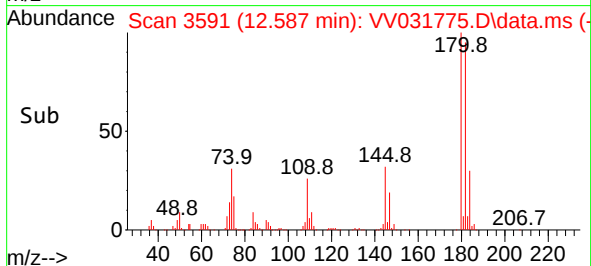
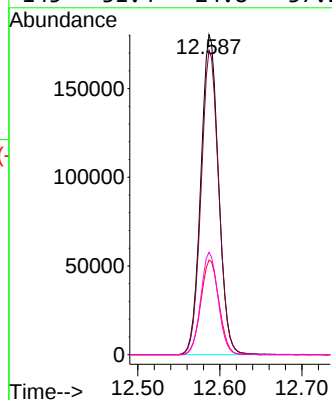
Ion Ratio Lower Upper

180 100

182 94.5 75.5 113.3

184 30.3 23.7 35.5

145 31.4 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 43.073 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

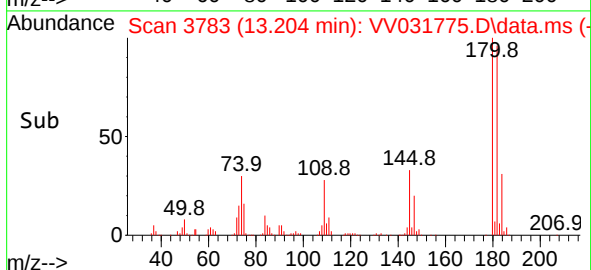
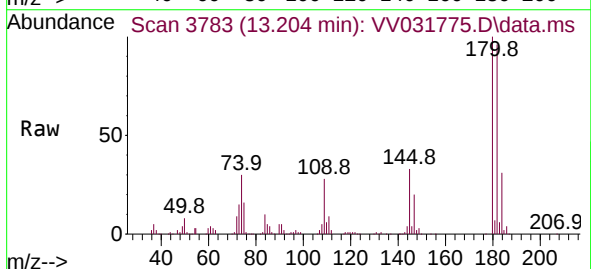
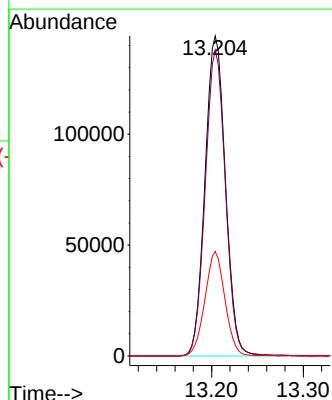
Tgt Ion:180 Resp: 223547

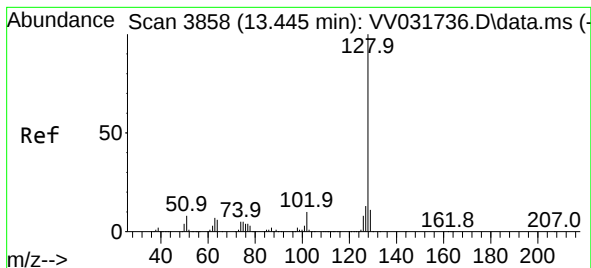
Ion Ratio Lower Upper

180 100

182 94.3 76.6 114.8

145 32.0 25.4 38.2





#71

Naphthalene

Concen: 42.383 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

Instrument :

MSVOA_V

ClientSampleId :

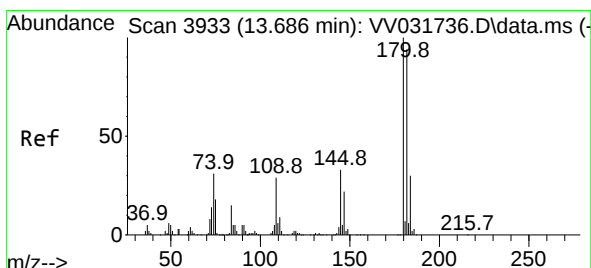
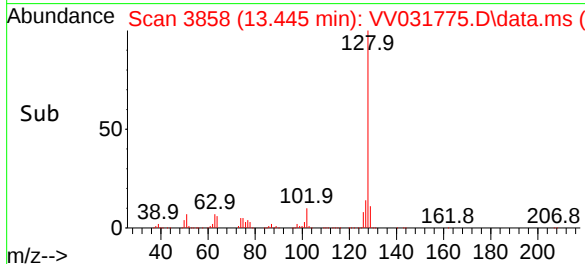
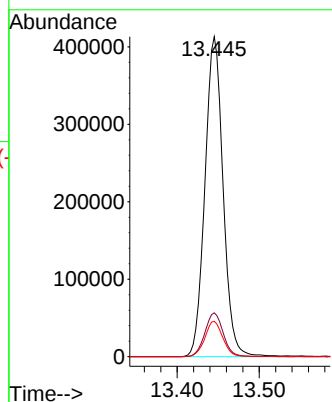
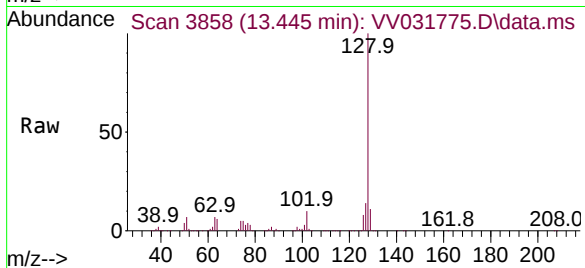
Tgt Ion:128 Resp: 634065

Ion Ratio Lower Upper

128 100

127 13.8 11.0 16.4

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 46.718 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031775.D

Acq: 28 Jul 2023 09:00

Tgt Ion:180 Resp: 253449

Ion Ratio Lower Upper

180 100

182 97.8 76.7 115.1

145 34.2 27.7 41.5

