

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101723\
 Data File : VW032438.D
 Acq On : 17 Oct 2023 11:47
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 18 05:59:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 12 22:36:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	111863	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	109389	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	58214	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	40671	4.470	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.400%
7) Chloroethane-d5	1.529	69	33710	4.565	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.200%
11) 1,1-Dichloroethene-d2	2.047	65	17345	4.521	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.400%
20) 2-Butanone-d5	3.805	46	126508	54.970	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.940%
24) Chloroform-d	4.246	84	86303	5.377	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.600%
26) 1,2-Dichloroethane-d4	4.940	65	40404	5.315	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.200%
32) Benzene-d6	4.957	84	161606	5.021	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
36) 1,2-Dichloropropane-d6	5.989	67	51960	4.872	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.400%
41) Toluene-d8	7.243	98	145972	4.959	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
43) trans-1,3-Dichloroprop...	7.558	79	19416	5.138	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.800%
46) 2-Hexanone-d5	8.034	63	103631	58.284	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.560%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	42325	5.674	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.400%
66) 1,2-Dichlorobenzene-d4	11.567	152	54857	5.078	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	71435	5.731	ug/L	98
3) Chloromethane	1.217	50	73168	5.822	ug/L	100
5) Vinyl chloride	1.281	62	69423	5.792	ug/L	100
6) Bromomethane	1.487	94	31108	4.297	ug/L	96
8) Chloroethane	1.542	64	38130	5.284	ug/L	100
9) Trichlorofluoromethane	1.696	101	99860	6.948	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	53860	6.184	ug/L	100
12) 1,1-Dichloroethene	2.056	96	47611	5.803	ug/L	92
13) Acetone	2.130	43	110773	62.449	ug/L	97
14) Carbon disulfide	2.227	76	149170	5.201	ug/L	100
15) Methyl Acetate	2.381	43	22558	5.649	ug/L	98
16) Methylene chloride	2.439	84	57906	5.414	ug/L	97
17) Methyl tert-butyl Ether	2.706	73	120474	5.394	ug/L	99
18) trans-1,2-Dichloroethene	2.687	96	49996	5.320	ug/L	100
19) 1,1-Dichloroethane	3.105	63	99477	5.628	ug/L	99
21) 2-Butanone	3.886	43	149458	53.881	ug/L	98
22) cis-1,2-Dichloroethene	3.812	96	55573	5.492	ug/L	99
23) Bromochloromethane	4.143	128	24792	5.824	ug/L	98
25) Chloroform	4.275	83	102619	5.917	ug/L	98

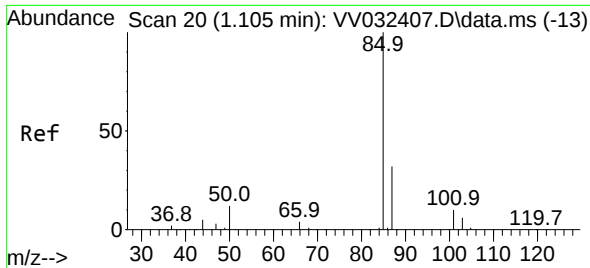
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV101723\
 Data File : VV032438.D
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 12 22:36:28 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	59080	5.766	ug/L	99
29) 1,1,1-Trichloroethane	4.506	97	86138	5.792	ug/L	98
30) Cyclohexane	4.577	56	86418	5.288	ug/L	98
31) Carbon tetrachloride	4.731	117	72172	5.735	ug/L	100
33) Benzene	5.008	78	219129	5.690	ug/L	100
34) Trichloroethene	5.834	95	58014	5.518	ug/L	98
35) Methylcyclohexane	6.050	83	85387	5.248	ug/L	99
37) 1,2-Dichloropropane	6.095	63	56348	5.471	ug/L	99
38) Bromodichloromethane	6.432	83	71272	5.824	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	79264	5.408	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	354766	54.429	ug/L	98
42) Toluene	7.317	91	230249	5.608	ug/L	98
44) trans-1,3-Dichloropropene	7.583	75	64226	5.332	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	39899	5.491	ug/L	98
47) Tetrachloroethene	7.905	164	42933	5.385	ug/L	97
48) 2-Hexanone	8.085	43	262838	57.154	ug/L	98
49) Dibromochloromethane	8.178	129	43229	5.715	ug/L	93
50) 1,2-Dibromoethane	8.284	107	37414	5.444	ug/L	96
51) Chlorobenzene	8.818	112	147309	5.573	ug/L	98
52) Ethylbenzene	8.950	91	245870	5.378	ug/L	99
53) m,p-Xylene	9.075	106	91986	5.425	ug/L	100
54) o-Xylene	9.480	106	90104	5.515	ug/L	100
55) Styrene	9.500	104	161125	5.840	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	45061	5.636	ug/L	98
59) Bromoform	9.670	173	23845	5.633	ug/L	99
60) Isopropylbenzene	9.870	105	245452	5.425	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	32890	5.308	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	196555	5.330	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	196918	5.364	ug/L	100
64) 1,3-Dichlorobenzene	11.123	146	117607	5.441	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	115147	5.310	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	108359	5.497	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	6354	5.019	ug/L	97
69) 1,3,5-Trichlorobenzene	12.586	180	80915	5.112	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	65693	4.679	ug/L	99
71) Naphthalene	13.445	128	107703	4.516	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	59536	4.922	ug/L	98

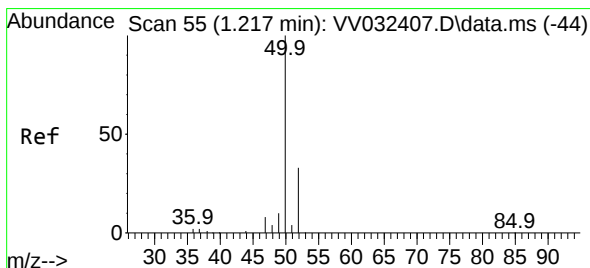
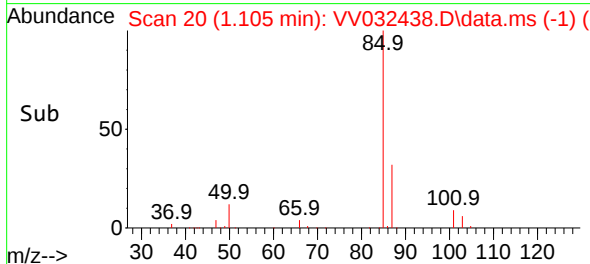
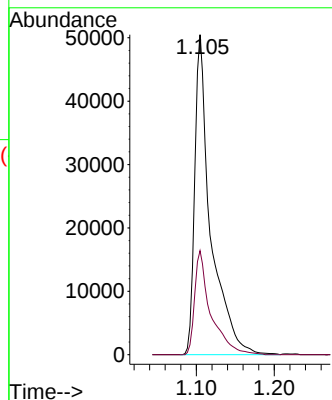
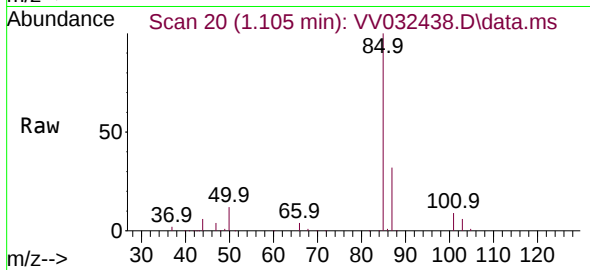
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.731 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032438.D
 Acq: 17 Oct 2023 11:47

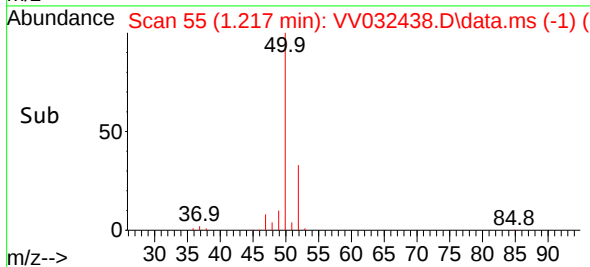
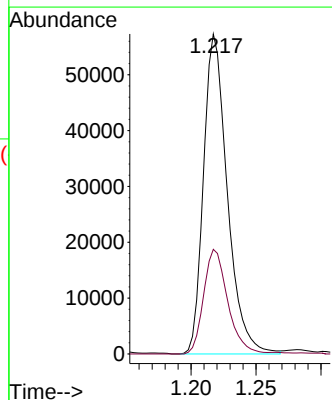
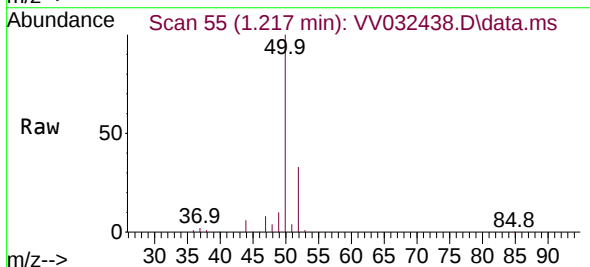
Instrument :
 MSVOA_V
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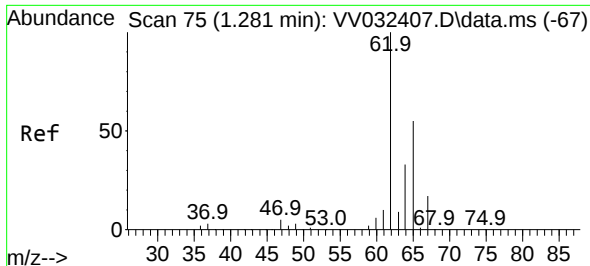
Tgt Ion: 85 Resp: 71435
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.5 38.3



#3
 Chloromethane
 Concen: 5.822 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV032438.D
 Acq: 17 Oct 2023 11:47

Tgt Ion: 50 Resp: 73168
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.0 42.6

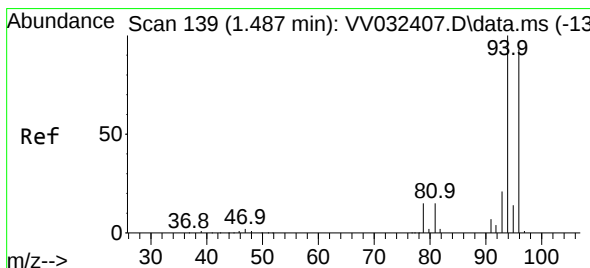
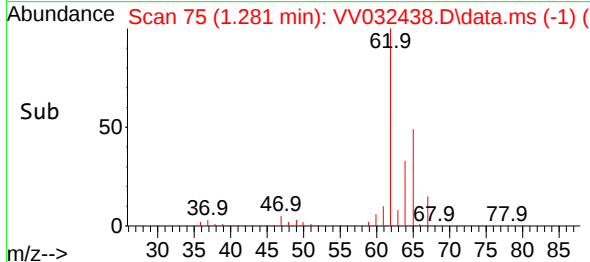
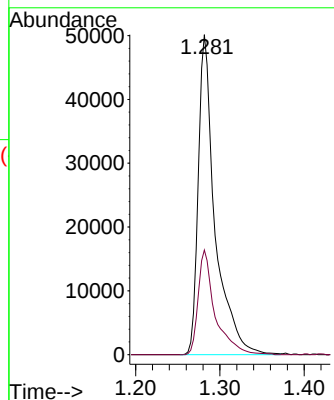
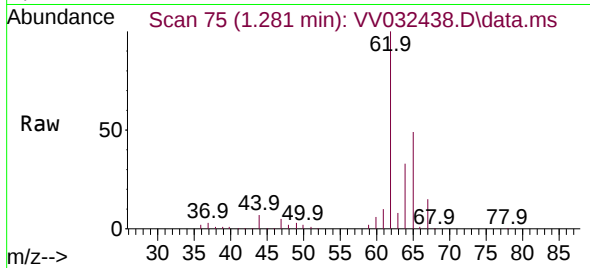




#5
 Vinyl chloride
 Concen: 5.792 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV032438.D
 Acq: 17 Oct 2023 11:47

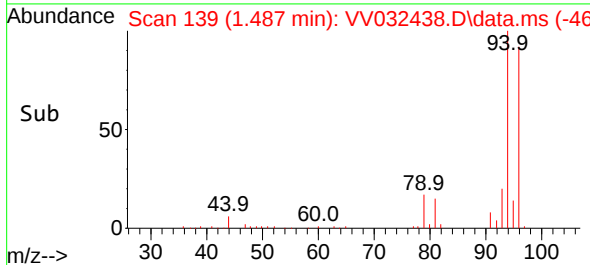
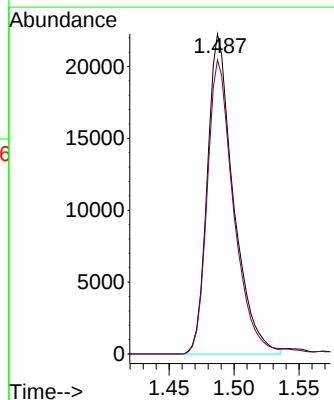
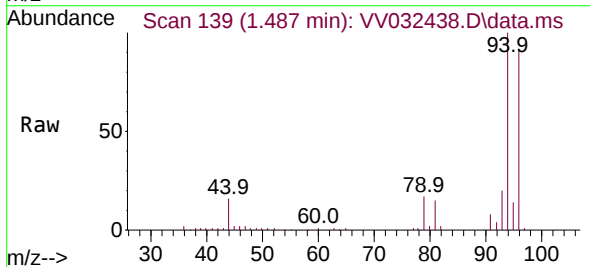
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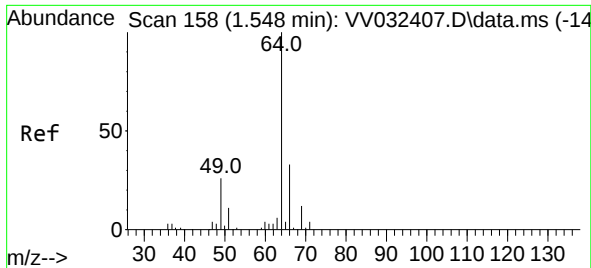
Tgt Ion: 62 Resp: 69423
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.1 42.9



#6
 Bromomethane
 Concen: 4.297 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV032438.D
 Acq: 17 Oct 2023 11:47

Tgt Ion: 94 Resp: 31108
 Ion Ratio Lower Upper
 94 100
 96 91.9 66.8 124.2

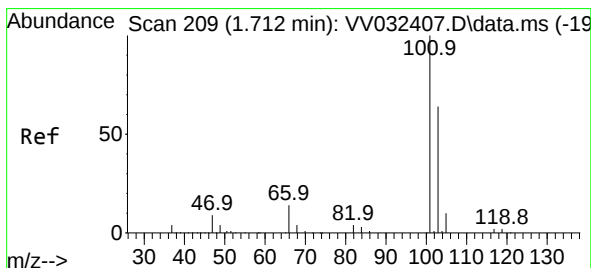
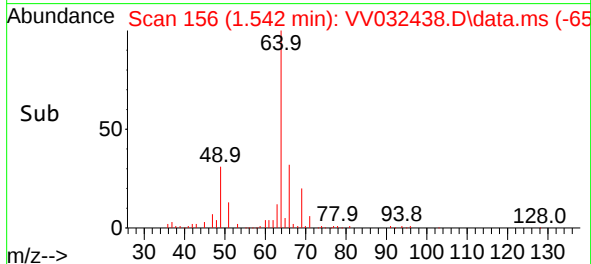
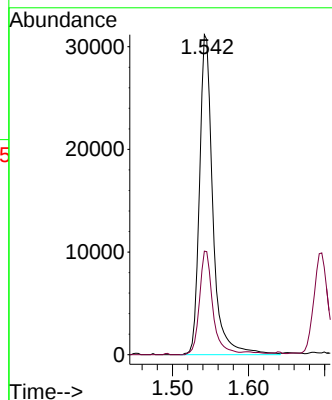
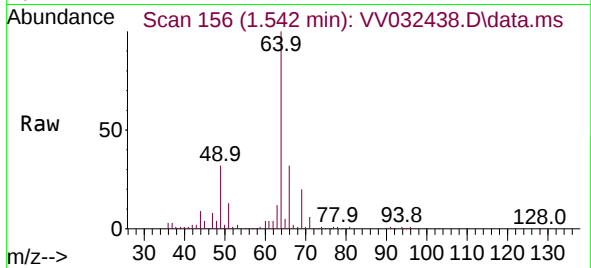




#8
Chloroethane
Concen: 5.284 ug/L
RT: 1.542 min Scan# 11
Delta R.T. -0.006 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47

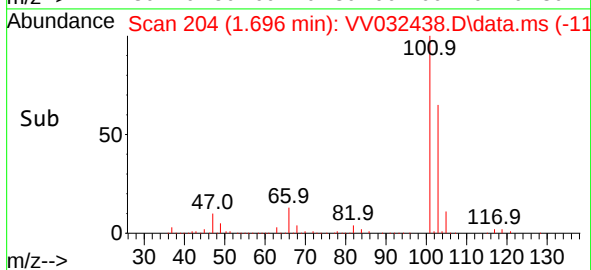
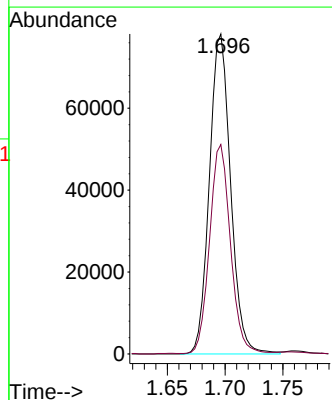
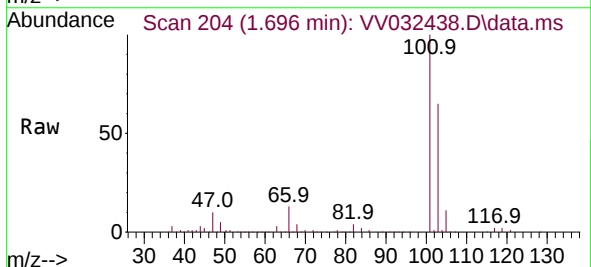
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ClientSampleId :

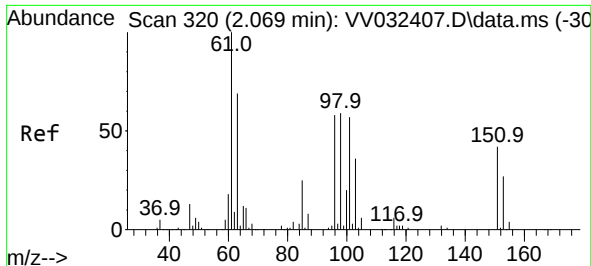
Tgt Ion: 64 Resp: 38130
Ion Ratio Lower Upper
64 100
66 32.3 22.6 42.0



#9
Trichlorofluoromethane
Concen: 6.948 ug/L
RT: 1.696 min Scan# 204
Delta R.T. -0.016 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47

Tgt Ion:101 Resp: 99860
Ion Ratio Lower Upper
101 100
103 64.0 51.4 77.2

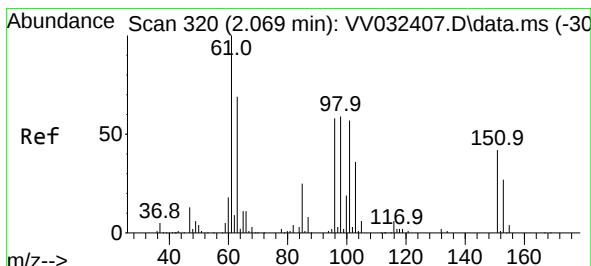
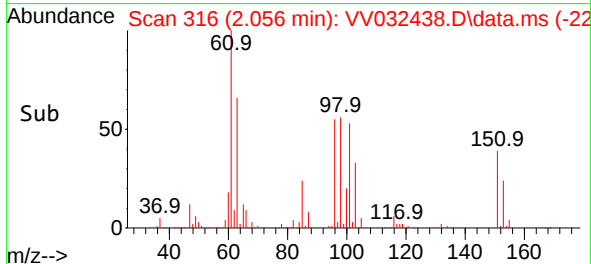
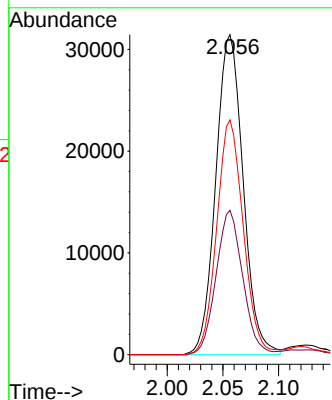
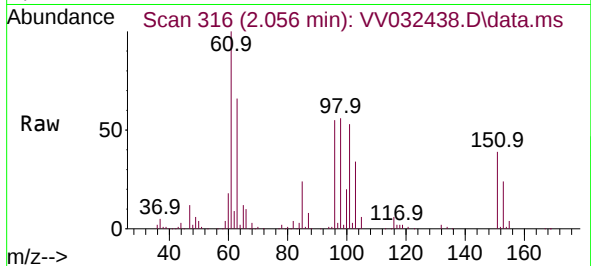




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 6.184 ug/L
 RT: 2.056 min Scan# 316
 Delta R.T. -0.013 min
 Lab File: VV032438.D
 Acq: 17 Oct 2023 11:47

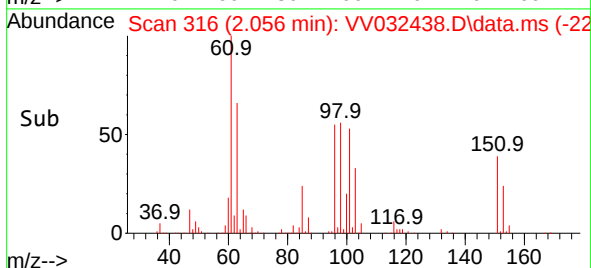
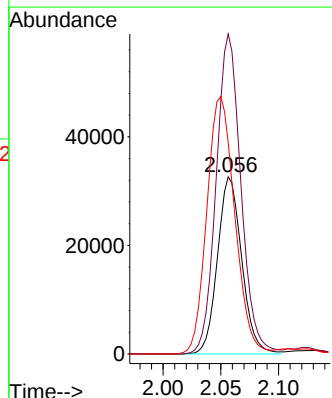
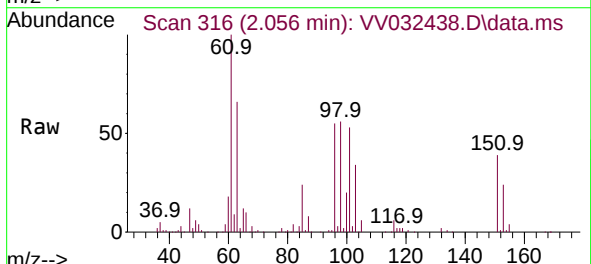
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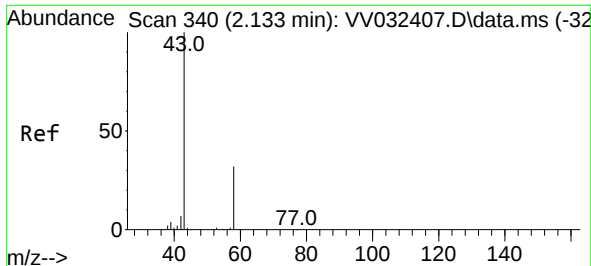
Tgt Ion:101 Resp: 53860
 Ion Ratio Lower Upper
 101 100
 85 43.9 35.0 52.6
 151 71.3 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 5.803 ug/L
 RT: 2.056 min Scan# 316
 Delta R.T. -0.013 min
 Lab File: VV032438.D
 Acq: 17 Oct 2023 11:47

Tgt Ion: 96 Resp: 47611
 Ion Ratio Lower Upper
 96 100
 61 180.7 127.3 236.3
 63 119.4 98.3 182.7





#13

Acetone

Concen: 62.449 ug/L

RT: 2.130 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV032438.D

Acq: 17 Oct 2023 11:47

Instrument :

MSVOA_V

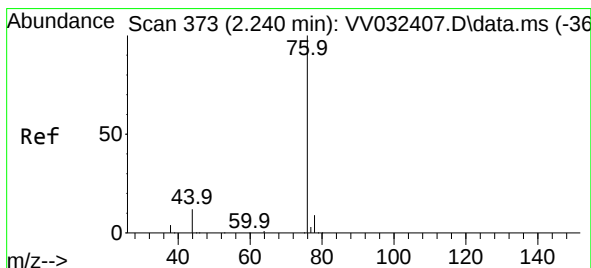
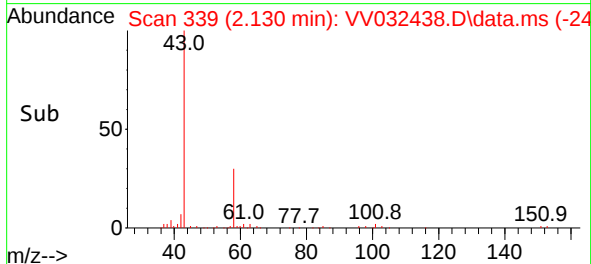
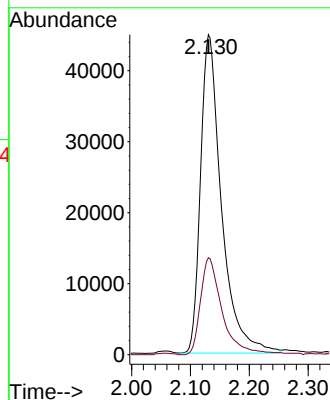
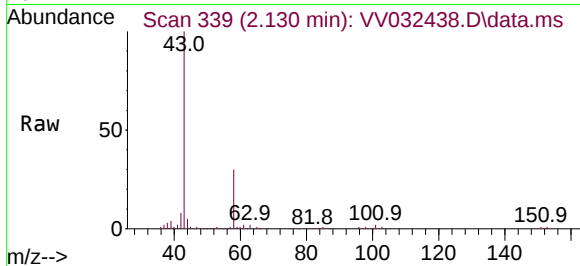
ClientSampleId :

Tgt Ion: 43 Resp: 110773

Ion Ratio Lower Upper

43 100

58 31.6 0.0 66.0



#14

Carbon disulfide

Concen: 5.201 ug/L

RT: 2.227 min Scan# 369

Delta R.T. -0.013 min

Lab File: VV032438.D

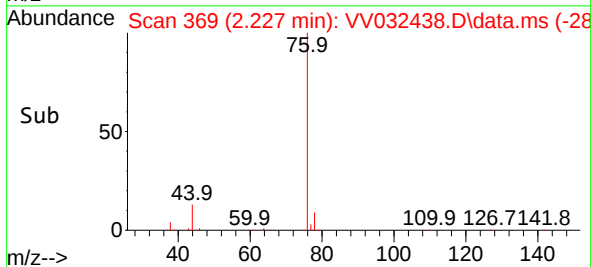
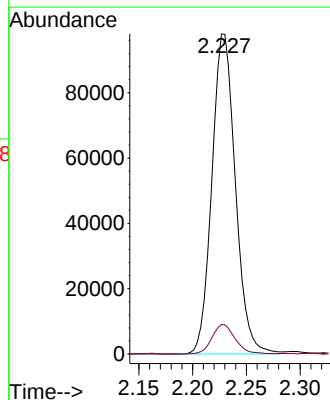
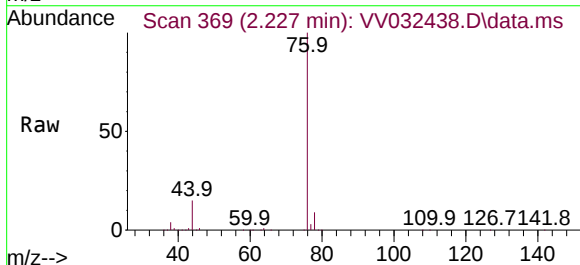
Acq: 17 Oct 2023 11:47

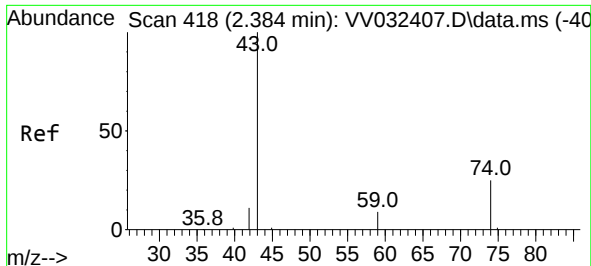
Tgt Ion: 76 Resp: 149170

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

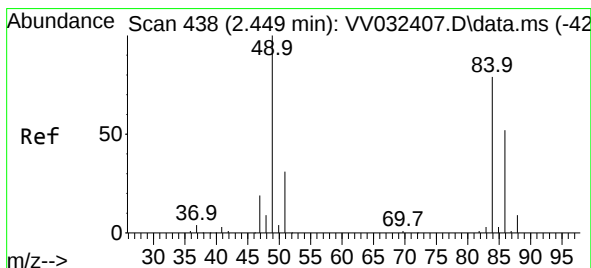
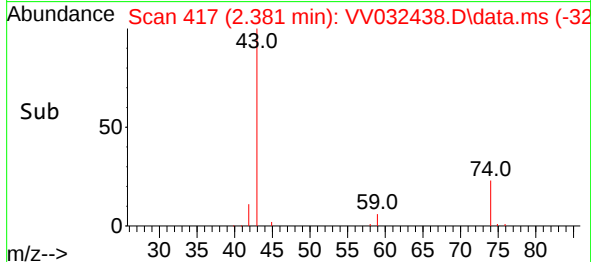
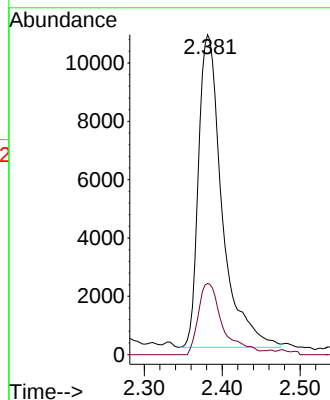
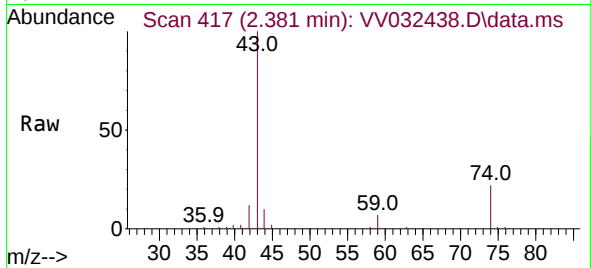




#15
Methyl Acetate
Concen: 5.649 ug/L
RT: 2.381 min Scan# 418
Delta R.T. -0.003 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47

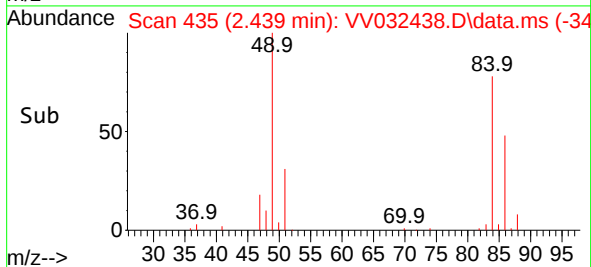
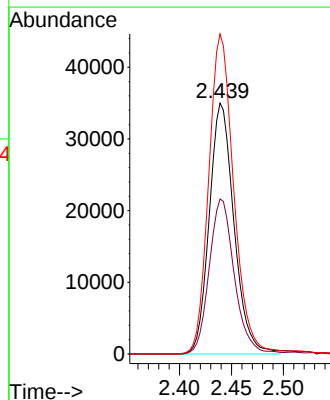
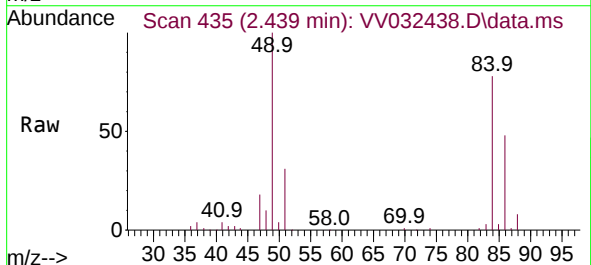
Instrument :
MSVOA_V
ClientSampleId :

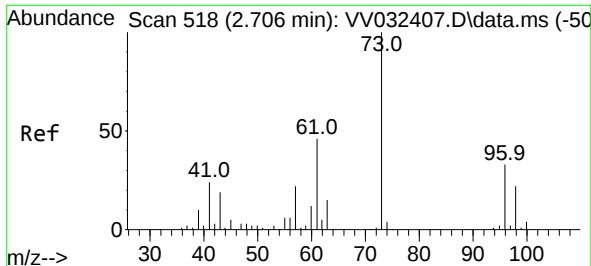
Tgt Ion: 43 Resp: 22558
Ion Ratio Lower Upper
43 100
74 23.6 18.0 27.0



#16
Methylene chloride
Concen: 5.414 ug/L
RT: 2.439 min Scan# 435
Delta R.T. -0.010 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47

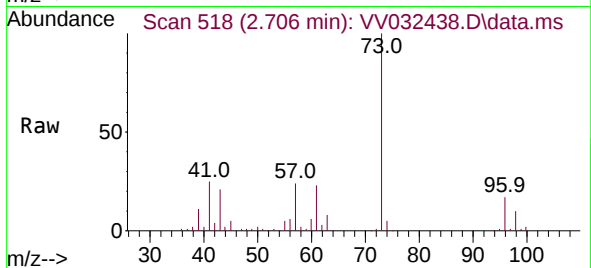
Tgt Ion: 84 Resp: 57906
Ion Ratio Lower Upper
84 100
86 61.8 43.2 80.2
49 127.5 86.3 160.3



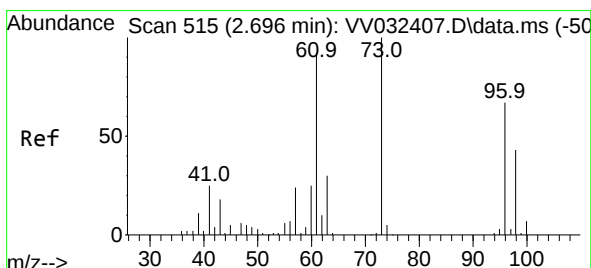
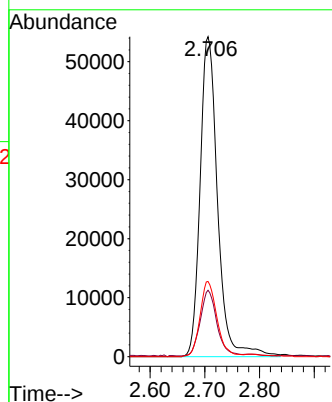
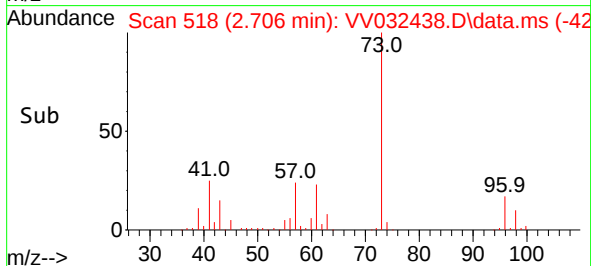


#17
Methyl tert-butyl Ether
Concen: 5.394 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47

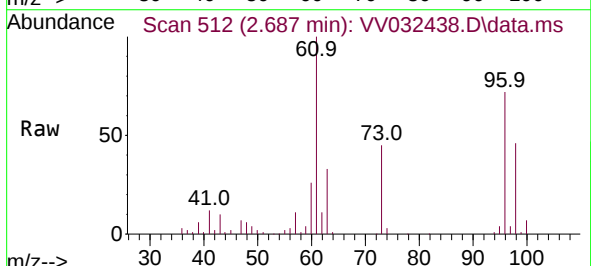
Instrument :
MSVOA_V
ClientSampleId :



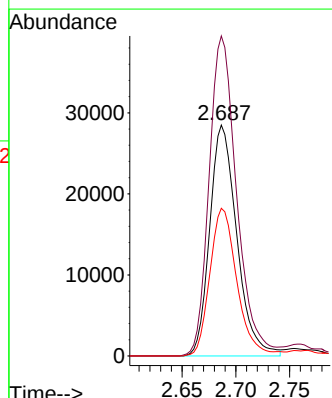
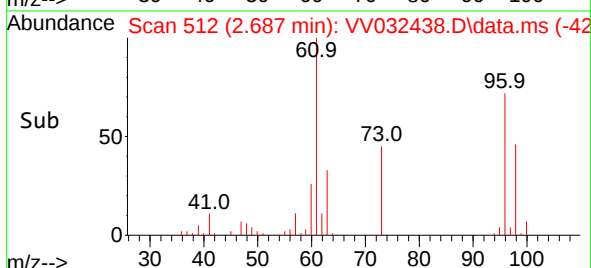
Tgt Ion: 73 Resp: 120474
Ion Ratio Lower Upper
73 100
43 19.5 15.1 22.7
57 22.8 18.3 27.5

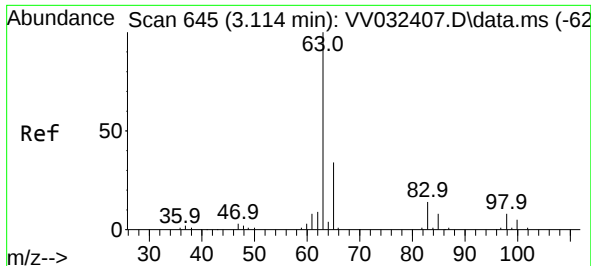


#18
trans-1,2-Dichloroethene
Concen: 5.320 ug/L
RT: 2.687 min Scan# 512
Delta R.T. -0.010 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47



Tgt Ion: 96 Resp: 49996
Ion Ratio Lower Upper
96 100
61 138.6 96.9 180.1
98 64.0 45.3 84.1





#19

1,1-Dichloroethane

Concen: 5.628 ug/L

RT: 3.105 min Scan# 64

Delta R.T. -0.010 min

Lab File: VV032438.D

Acq: 17 Oct 2023 11:47

Instrument :

MSVOA_V

ClientSampleId :

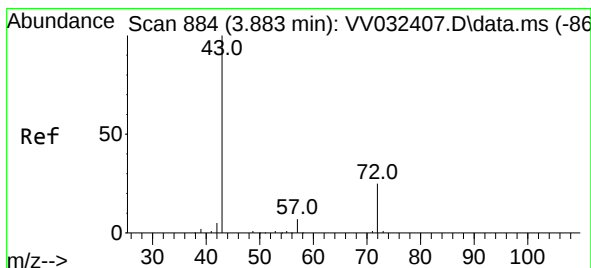
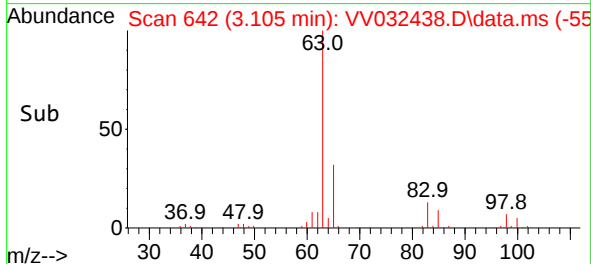
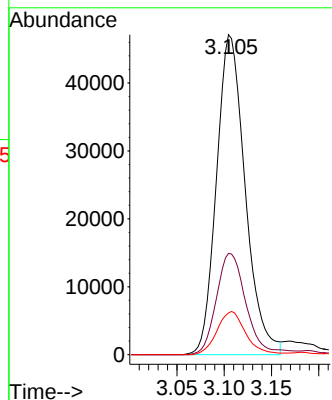
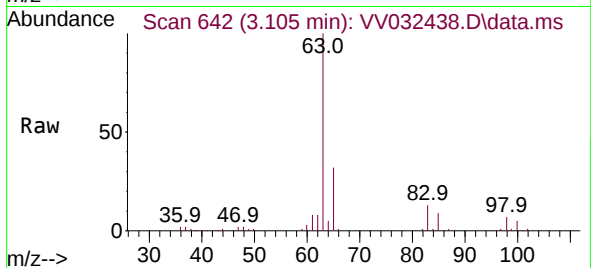
Tgt Ion: 63 Resp: 99477

Ion Ratio Lower Upper

63 100

65 31.6 22.3 41.5

83 13.1 9.0 16.6



#21

2-Butanone

Concen: 53.881 ug/L

RT: 3.886 min Scan# 885

Delta R.T. 0.003 min

Lab File: VV032438.D

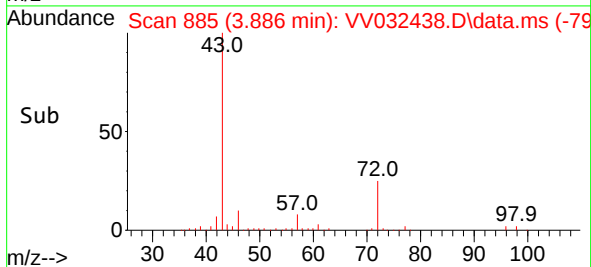
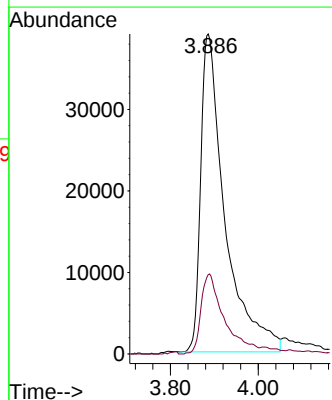
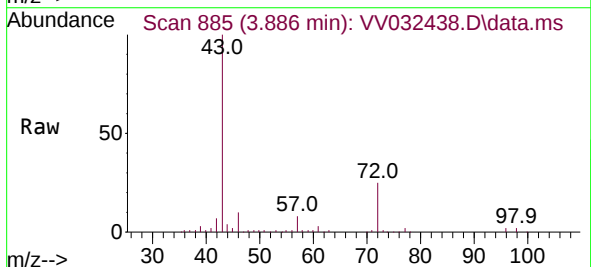
Acq: 17 Oct 2023 11:47

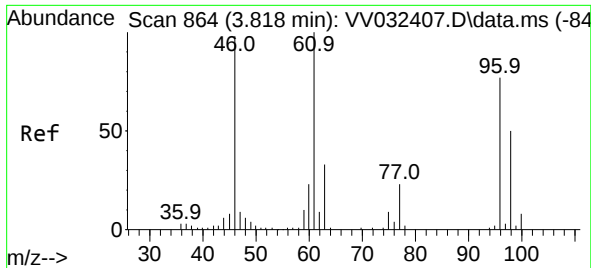
Tgt Ion: 43 Resp: 149458

Ion Ratio Lower Upper

43 100

72 24.1 11.6 34.8





#22

cis-1,2-Dichloroethene

Concen: 5.492 ug/L

RT: 3.812 min Scan# 862

Delta R.T. -0.006 min

Lab File: VV032438.D

Acq: 17 Oct 2023 11:47

Instrument :

MSVOA_V

ClientSampleId :

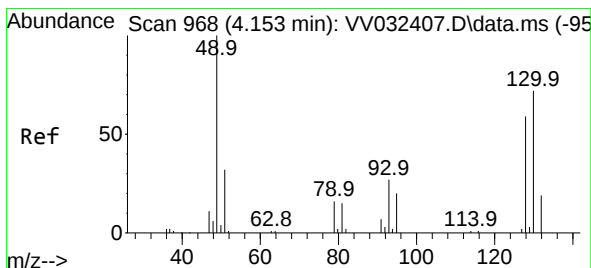
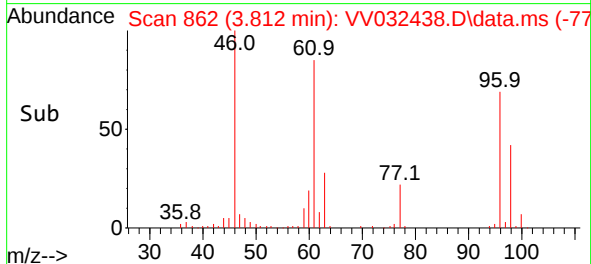
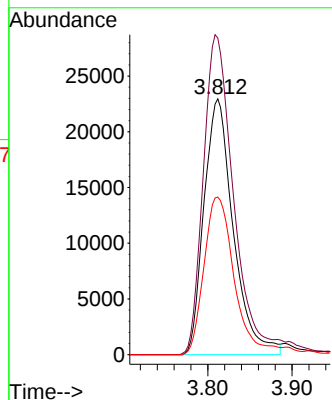
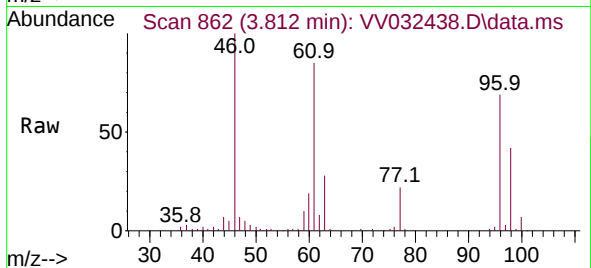
Tgt Ion: 96 Resp: 55573

Ion Ratio Lower Upper

96 100

61 123.7 85.8 159.4

98 61.6 44.0 81.6



#23

Bromochloromethane

Concen: 5.824 ug/L

RT: 4.143 min Scan# 965

Delta R.T. -0.010 min

Lab File: VV032438.D

Acq: 17 Oct 2023 11:47

Tgt Ion: 128 Resp: 24792

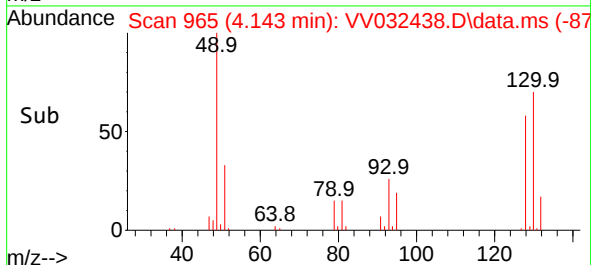
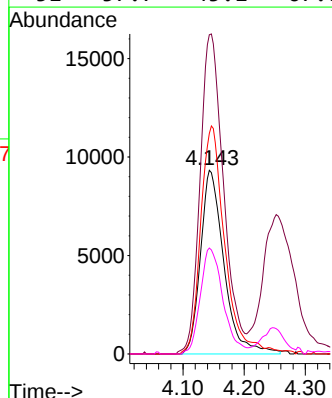
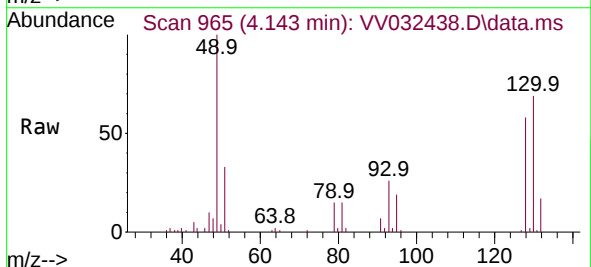
Ion Ratio Lower Upper

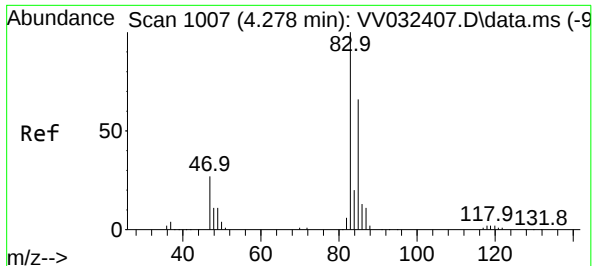
128 100

49 173.8 121.2 225.0

130 120.0 88.2 163.8

51 57.7 45.1 67.7





#25

Chloroform

Concen: 5.917 ug/L

RT: 4.275 min Scan# 1007

Delta R.T. -0.003 min

Lab File: VV032438.D

Acq: 17 Oct 2023 11:47

Instrument :

MSVOA_V

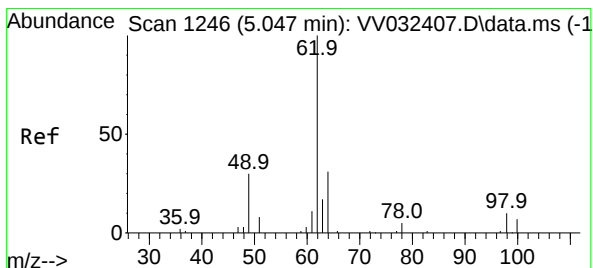
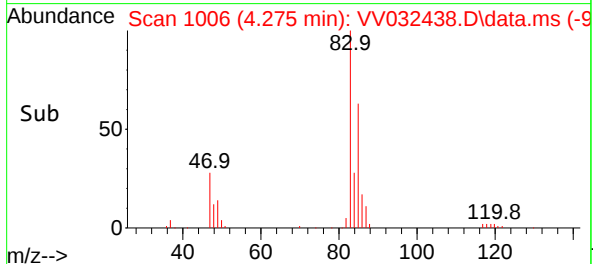
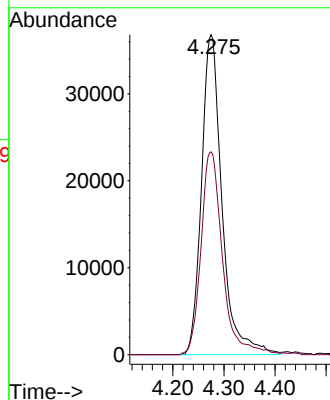
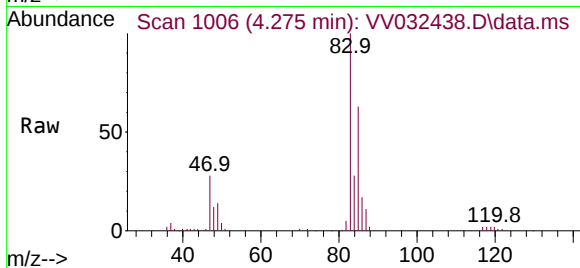
ClientSampleId :

Tgt Ion: 83 Resp: 102619

Ion Ratio Lower Upper

83 100

85 63.4 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.766 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VV032438.D

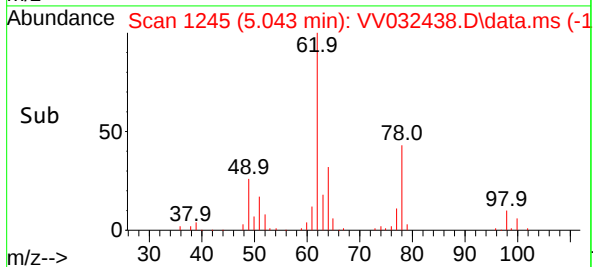
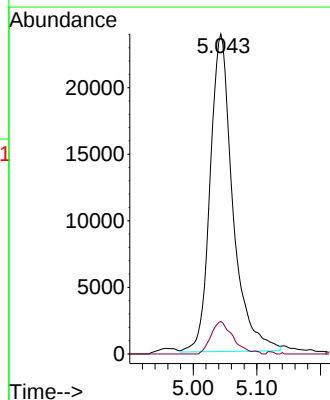
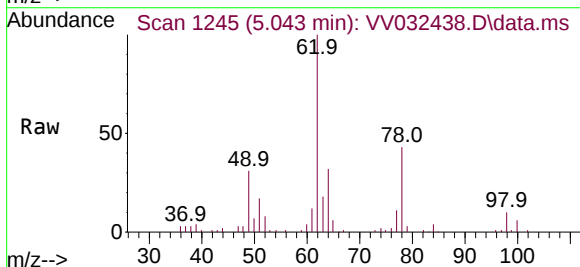
Acq: 17 Oct 2023 11:47

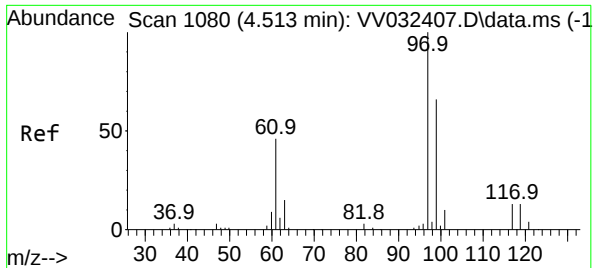
Tgt Ion: 62 Resp: 59080

Ion Ratio Lower Upper

62 100

98 10.1 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.792 ug/L

RT: 4.506 min Scan# 1

Delta R.T. -0.006 min

Lab File: VV032438.D

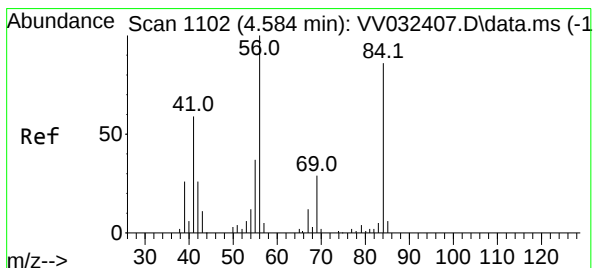
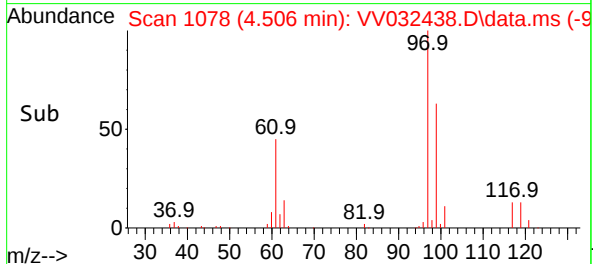
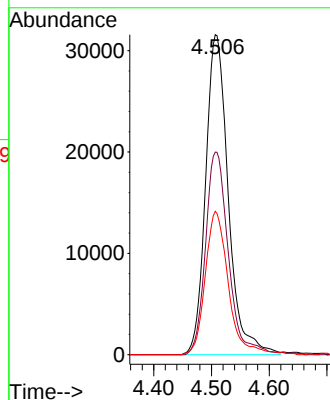
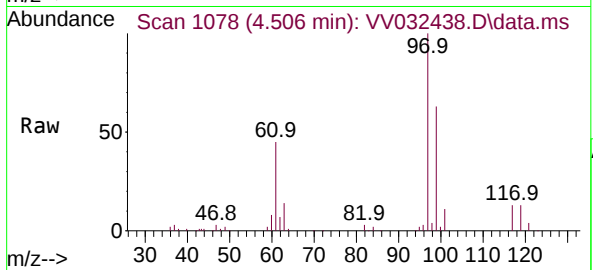
Acq: 17 Oct 2023 11:47

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97	Resp: 86138
Ion Ratio	Lower Upper
97 100	
99 63.7	50.1 75.1
61 45.6	35.1 52.7



#30

Cyclohexane

Concen: 5.288 ug/L

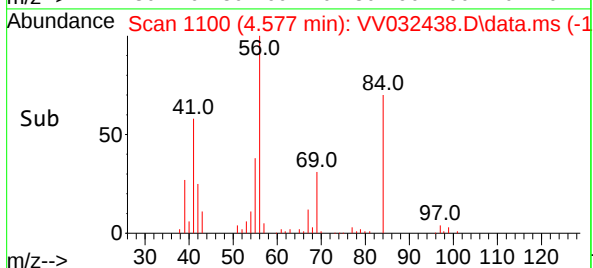
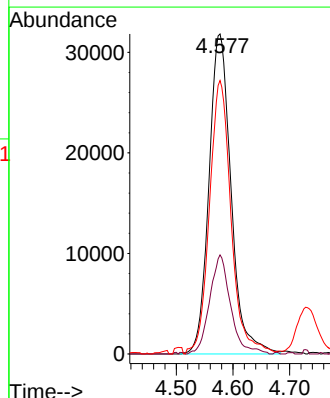
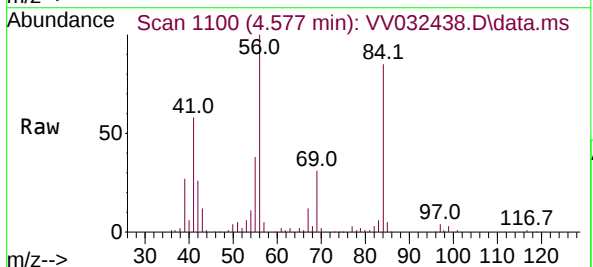
RT: 4.577 min Scan# 1100

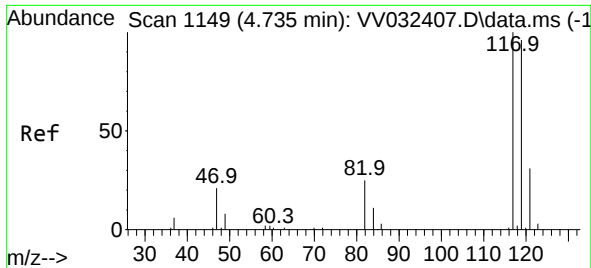
Delta R.T. -0.006 min

Lab File: VV032438.D

Acq: 17 Oct 2023 11:47

Tgt Ion: 56	Resp: 86418
Ion Ratio	Lower Upper
56 100	
69 29.2	24.2 36.2
84 83.6	68.1 102.1

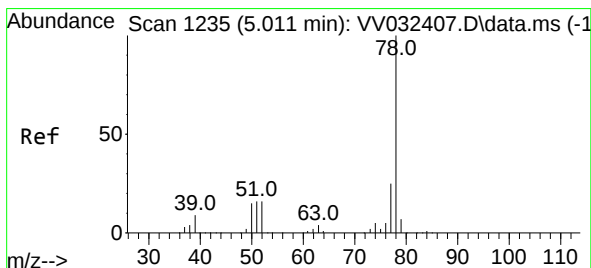
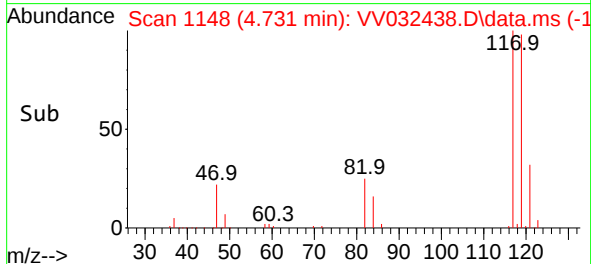
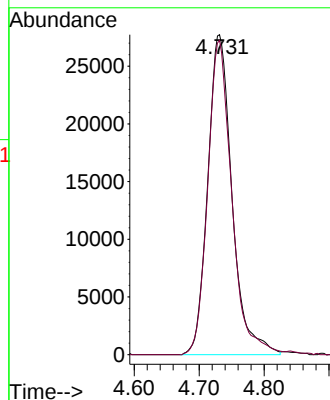
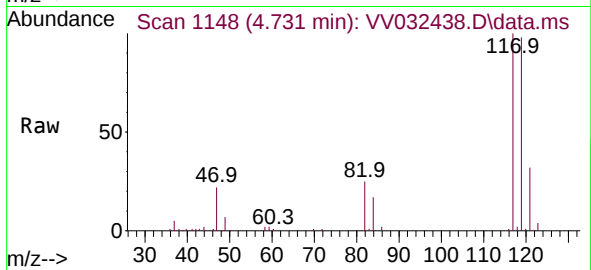




#31
Carbon tetrachloride
Concen: 5.735 ug/L
RT: 4.731 min Scan# 1148
Delta R.T. -0.003 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47

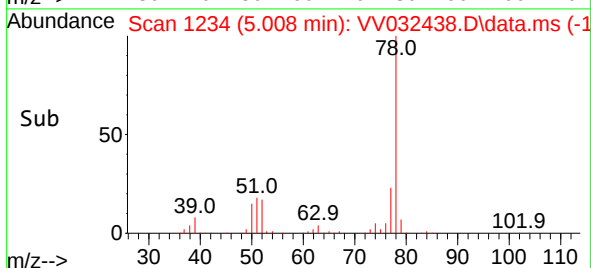
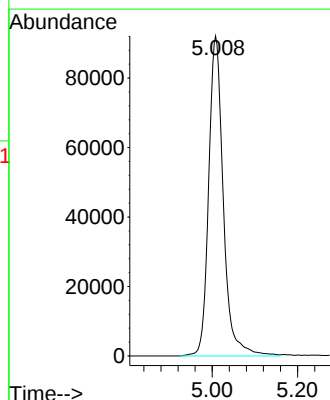
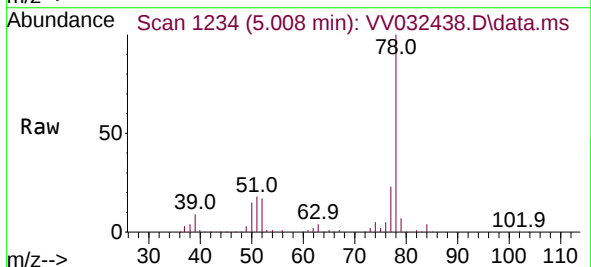
Instrument :
MSVOA_V
ClientSampleId :

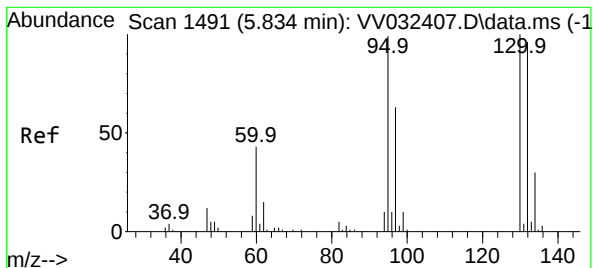
Tgt Ion:117 Resp: 72172
Ion Ratio Lower Upper
117 100
119 97.1 77.6 116.4



#33
Benzene
Concen: 5.690 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.003 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47

Tgt Ion: 78 Resp: 219129





#34

Trichloroethene

Concen: 5.518 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VV032438.D

Acq: 17 Oct 2023 11:47

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 58014

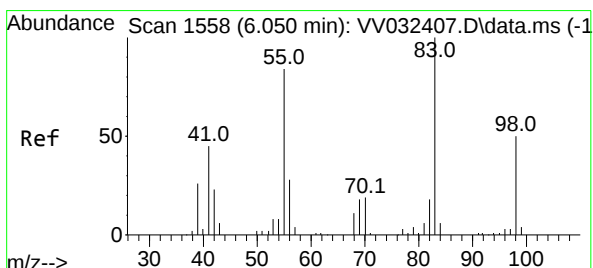
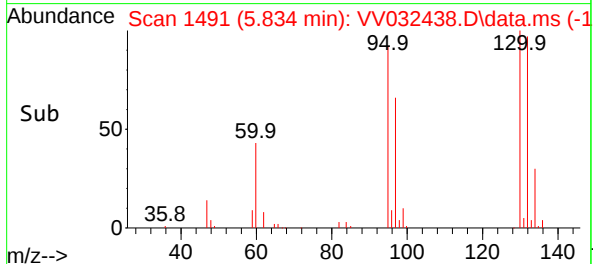
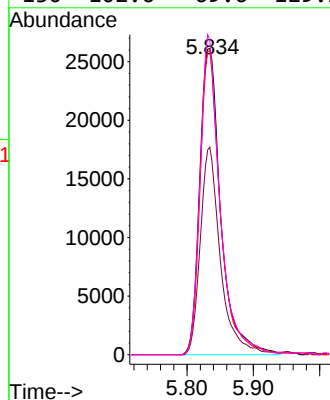
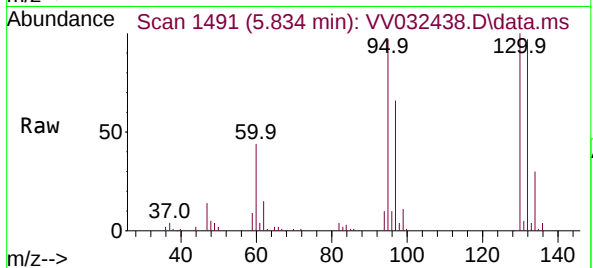
Ion Ratio Lower Upper

95 100

97 67.8 45.7 84.9

132 99.3 70.3 130.5

130 102.6 69.6 129.2



#35

Methylcyclohexane

Concen: 5.248 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV032438.D

Acq: 17 Oct 2023 11:47

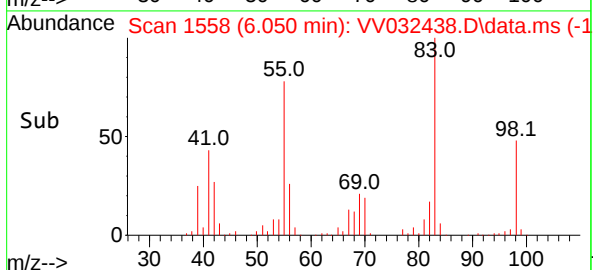
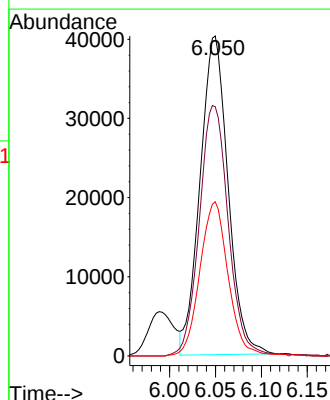
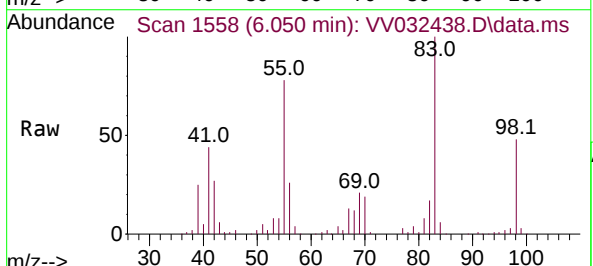
Tgt Ion: 83 Resp: 85387

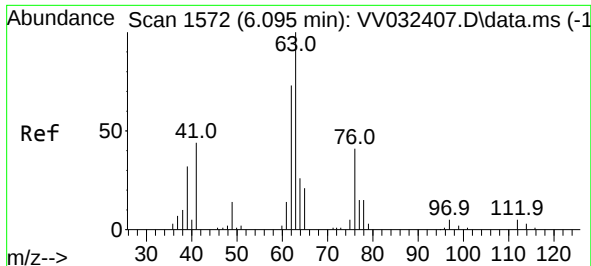
Ion Ratio Lower Upper

83 100

55 81.8 64.2 96.2

98 48.9 39.6 59.4





#37

1,2-Dichloropropane

Concen: 5.471 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032438.D

Acq: 17 Oct 2023 11:47

Instrument :

MSVOA_V

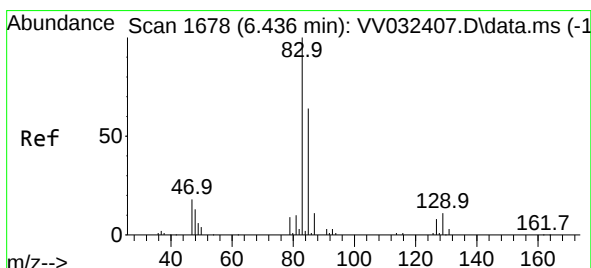
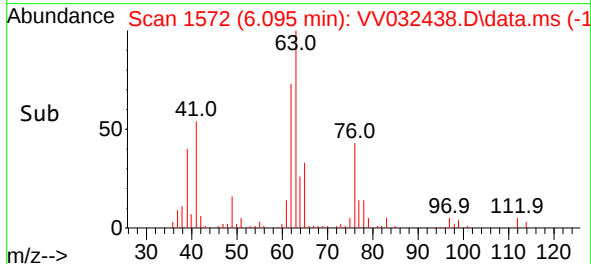
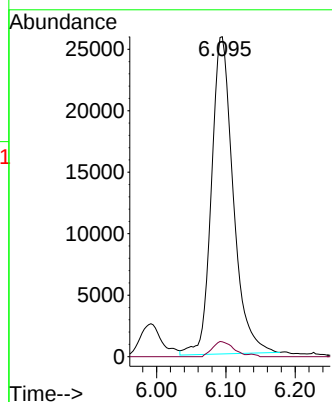
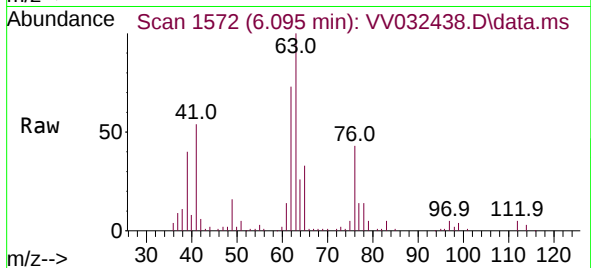
ClientSampleId :

Tgt Ion: 63 Resp: 56348

Ion Ratio Lower Upper

63 100

112 4.6 3.4 5.2



#38

Bromodichloromethane

Concen: 5.824 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. -0.003 min

Lab File: VV032438.D

Acq: 17 Oct 2023 11:47

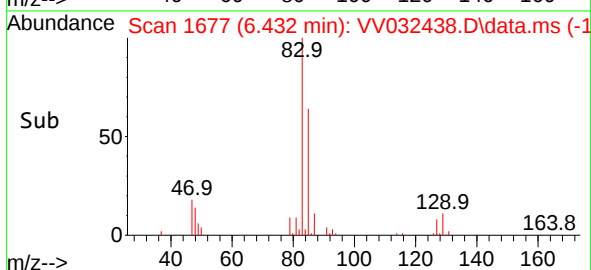
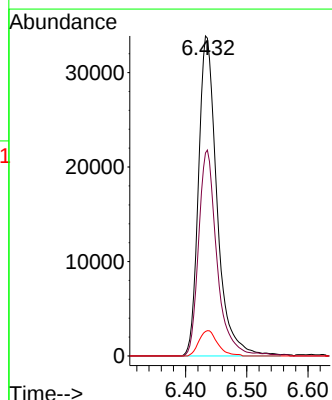
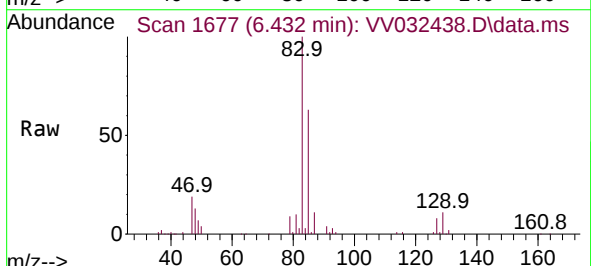
Tgt Ion: 83 Resp: 71272

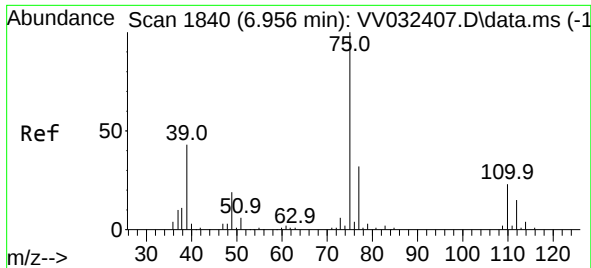
Ion Ratio Lower Upper

83 100

85 63.5 44.9 83.3

127 7.6 6.9 10.3

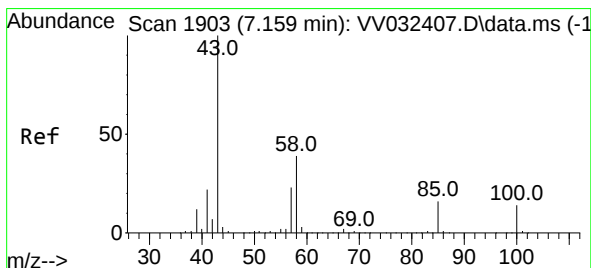
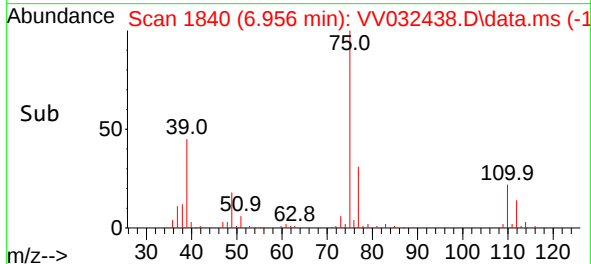
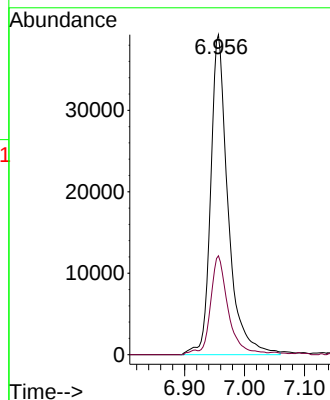
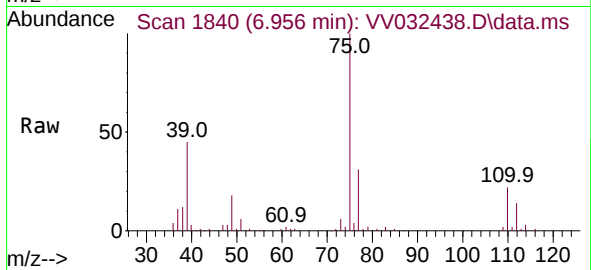




#39
 cis-1,3-Dichloropropene
 Concen: 5.408 ug/L
 RT: 6.956 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VV032438.D
 Acq: 17 Oct 2023 11:47

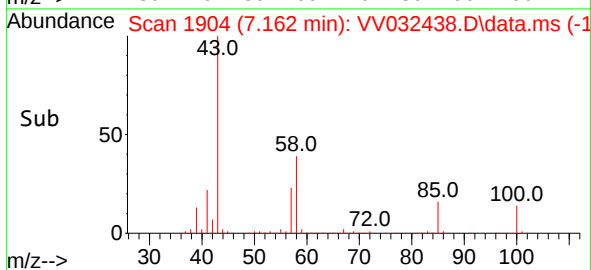
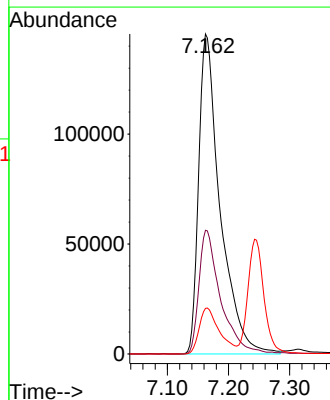
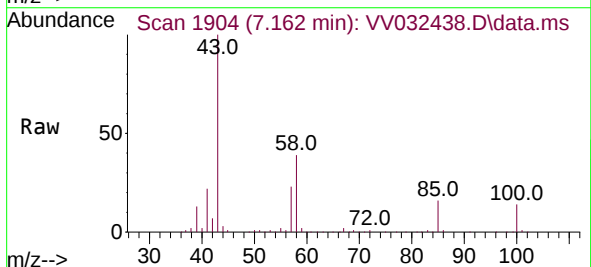
Instrument :
 MSVOA_V
 ClientSampleId :

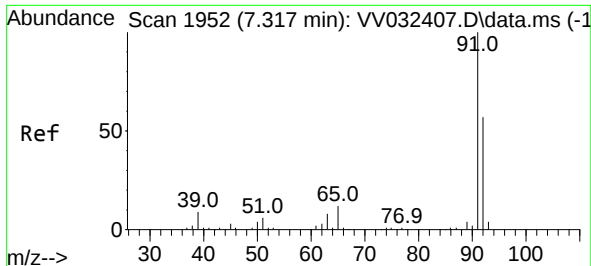
Tgt Ion: 75 Resp: 79264
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 54.429 ug/L
 RT: 7.162 min Scan# 1904
 Delta R.T. 0.003 min
 Lab File: VV032438.D
 Acq: 17 Oct 2023 11:47

Tgt Ion: 43 Resp: 354766
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.9 47.9
 100 13.7 11.3 16.9





#42

Toluene

Concen: 5.608 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032438.D

Acq: 17 Oct 2023 11:47

Instrument :

MSVOA_V

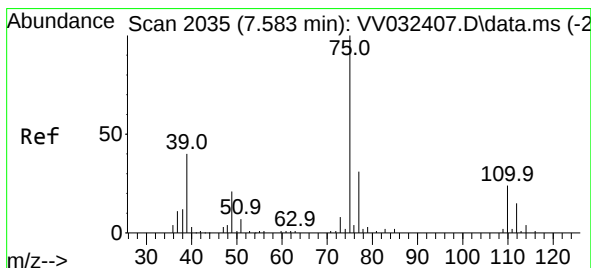
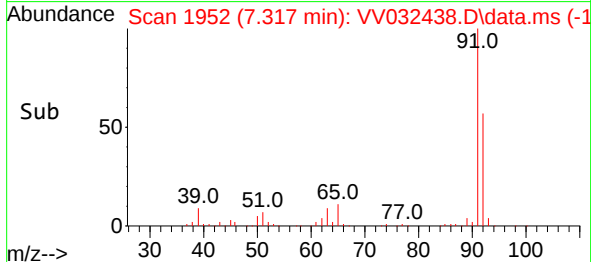
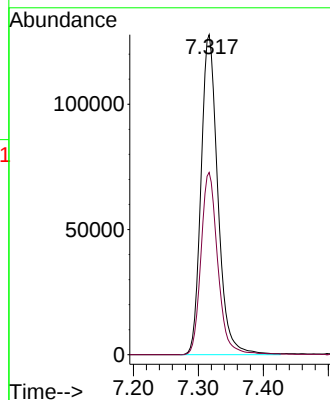
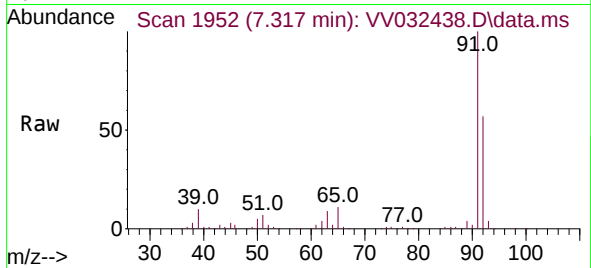
ClientSampleId :

Tgt Ion: 91 Resp: 230249

Ion Ratio Lower Upper

91 100

92 56.9 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.332 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV032438.D

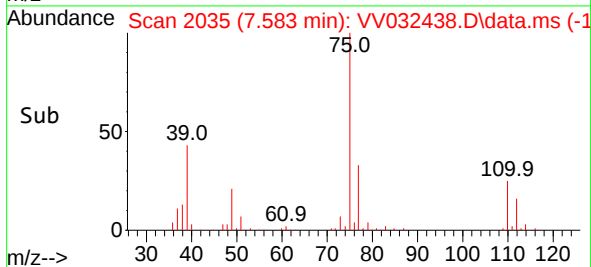
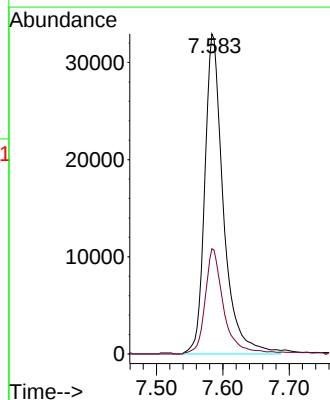
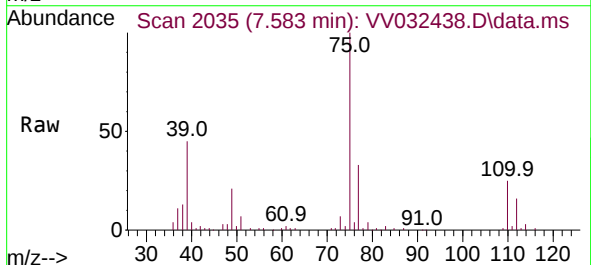
Acq: 17 Oct 2023 11:47

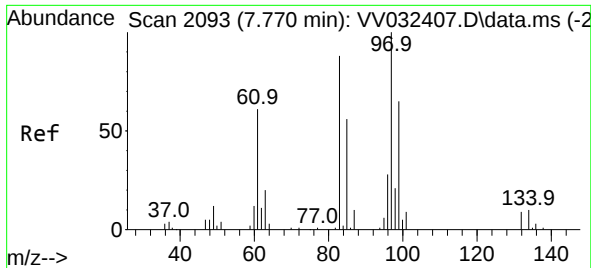
Tgt Ion: 75 Resp: 64226

Ion Ratio Lower Upper

75 100

77 32.9 22.5 41.7

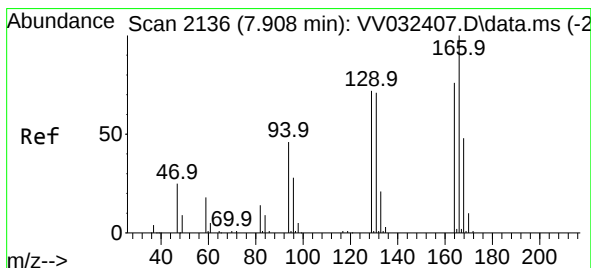
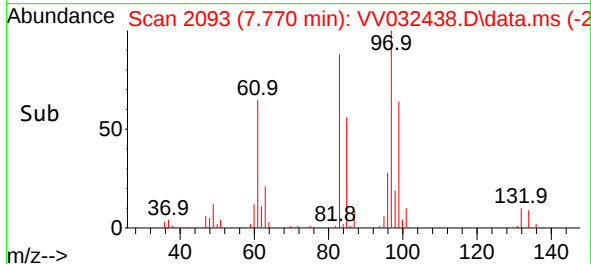
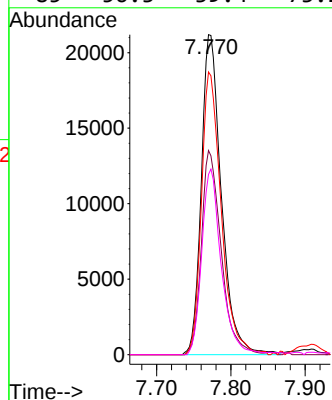
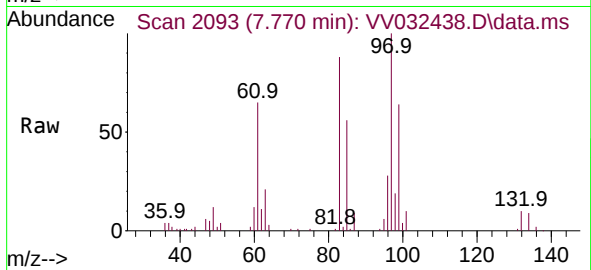




#45
1,1,2-Trichloroethane
Concen: 5.491 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.000 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47

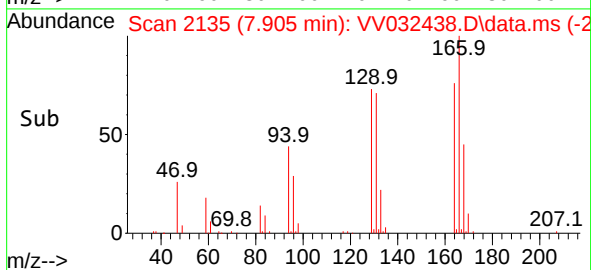
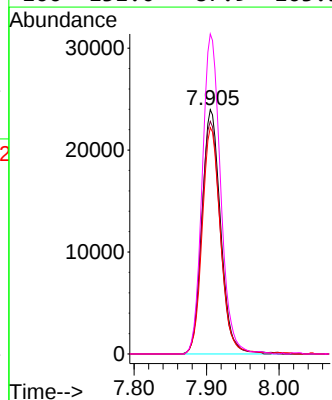
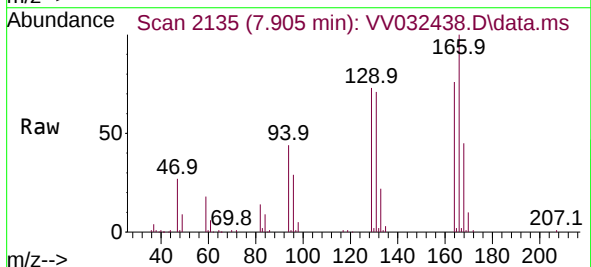
Instrument :
MSVOA_V
ClientSampleId :

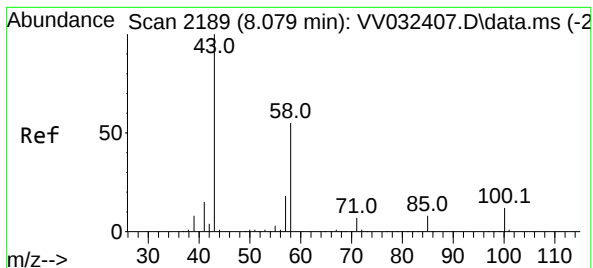
Tgt Ion:	97	Resp:	39899
Ion	Ratio	Lower	Upper
97	100		
99	63.8	42.8	79.4
83	88.4	60.9	113.1
85	56.3	39.4	73.2



#47
Tetrachloroethene
Concen: 5.385 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.003 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47

Tgt Ion:	164	Resp:	42933
Ion	Ratio	Lower	Upper
164	100		
129	95.2	66.4	123.4
131	92.7	63.7	118.3
166	131.0	87.9	163.3





#48

2-Hexanone

Concen: 57.154 ug/L

RT: 8.085 min Scan# 2189

Delta R.T. 0.006 min

Lab File: VV032438.D

Acq: 17 Oct 2023 11:47

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 262838

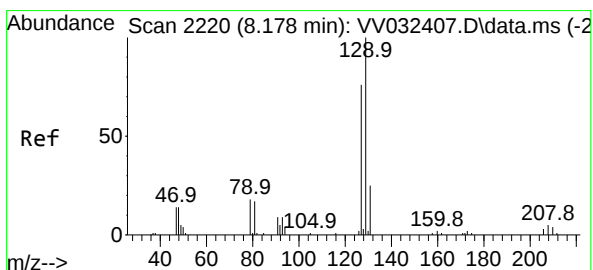
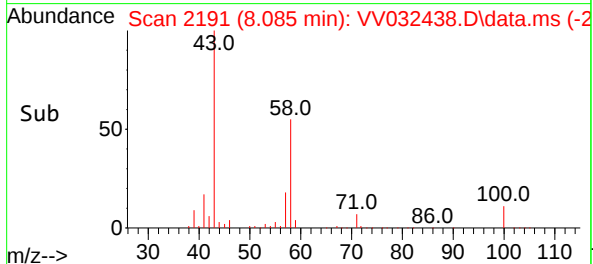
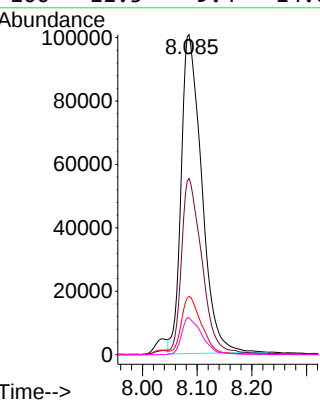
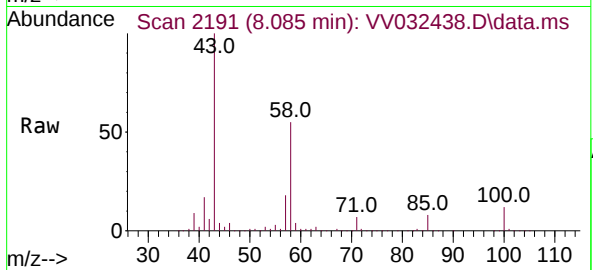
Ion Ratio Lower Upper

43 100

58 56.0 43.6 65.4

57 17.7 14.6 22.0

100 11.5 9.4 14.0



#49

Dibromochloromethane

Concen: 5.715 ug/L

RT: 8.178 min Scan# 2220

Delta R.T. 0.000 min

Lab File: VV032438.D

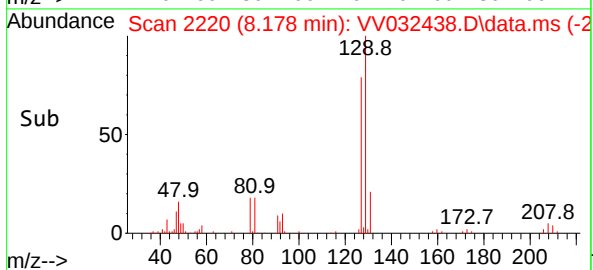
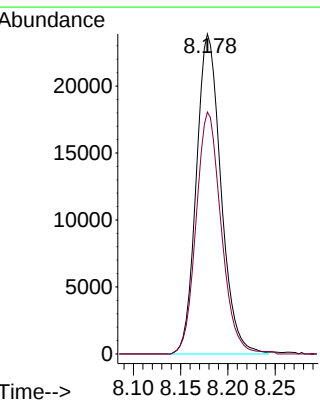
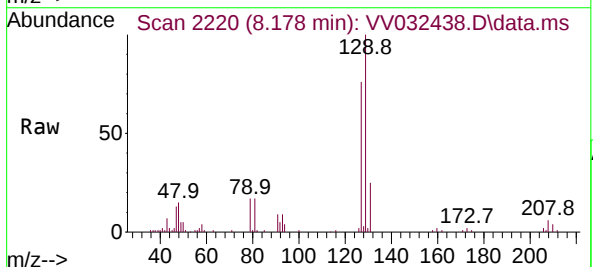
Acq: 17 Oct 2023 11:47

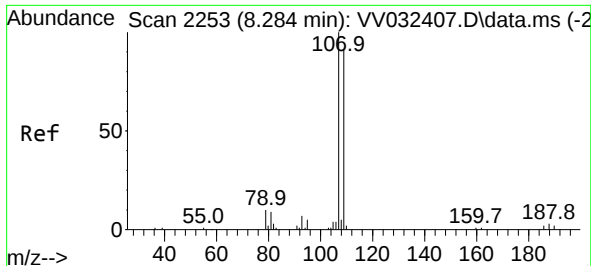
Tgt Ion: 129 Resp: 43229

Ion Ratio Lower Upper

129 100

127 75.6 57.2 106.2





#50

1,2-Dibromoethane

Concen: 5.444 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.000 min

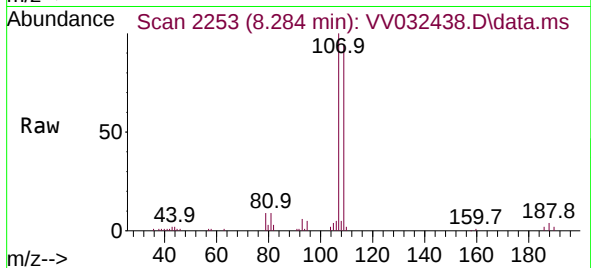
Lab File: VV032438.D

Acq: 17 Oct 2023 11:47

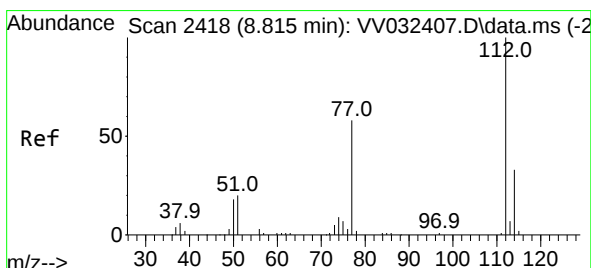
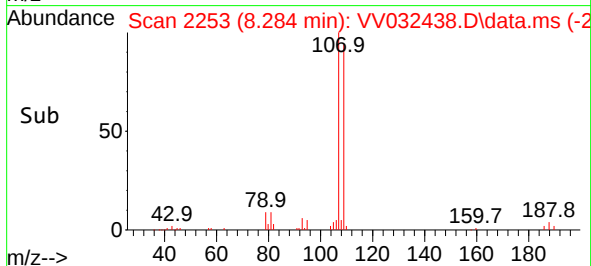
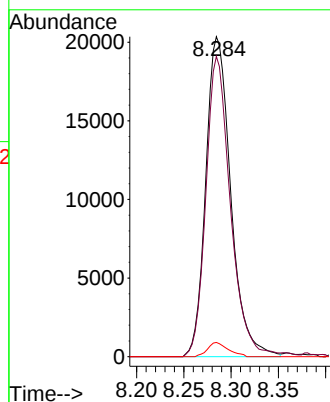
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	107	Resp:	37414
Ion	Ratio	Lower	Upper
107	100		
109	93.8	68.4	127.0
188	4.4	3.2	4.8



#51

Chlorobenzene

Concen: 5.573 ug/L

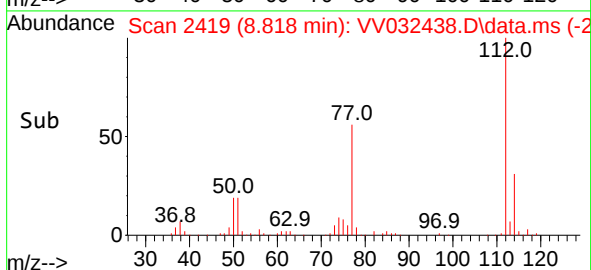
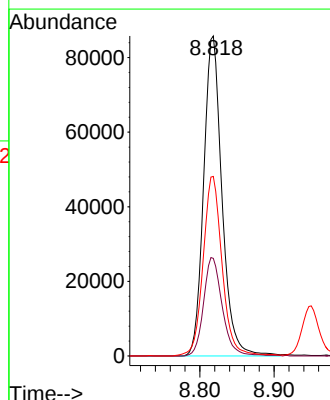
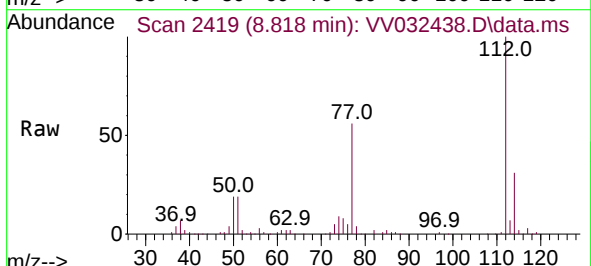
RT: 8.818 min Scan# 2419

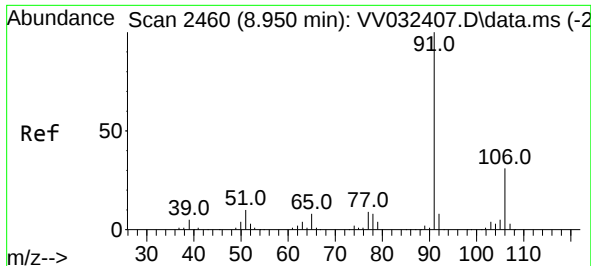
Delta R.T. 0.003 min

Lab File: VV032438.D

Acq: 17 Oct 2023 11:47

Tgt Ion:	112	Resp:	147309
Ion	Ratio	Lower	Upper
112	100		
114	30.5	22.1	41.1
77	56.1	46.1	69.1

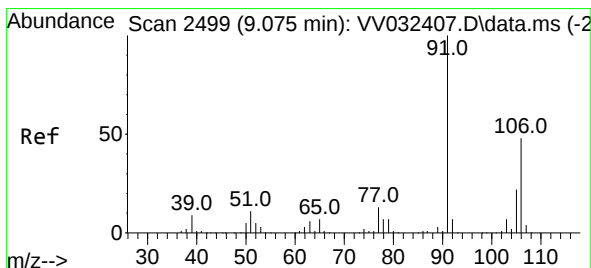
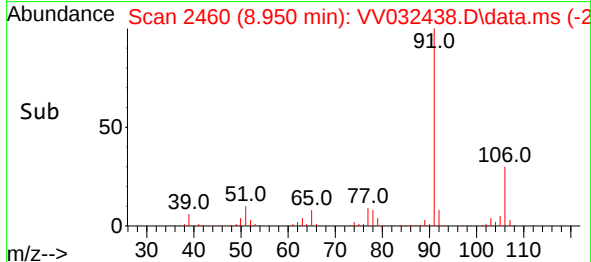
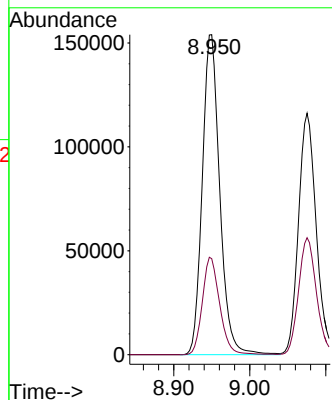
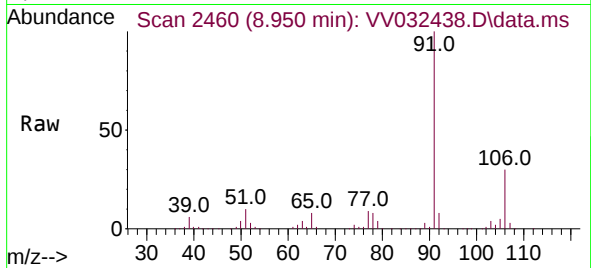




#52
Ethylbenzene
Concen: 5.378 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.000 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47

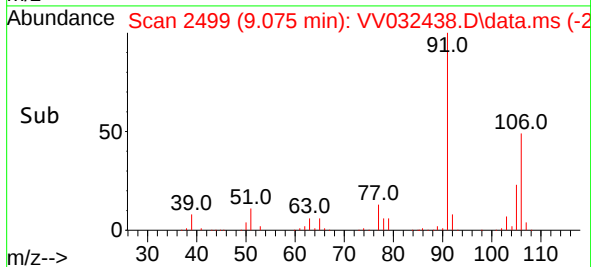
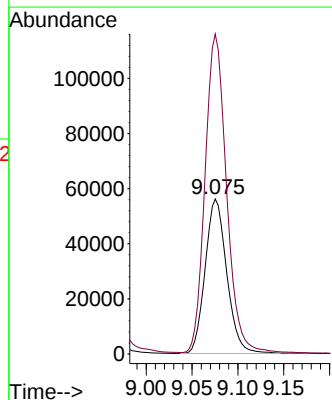
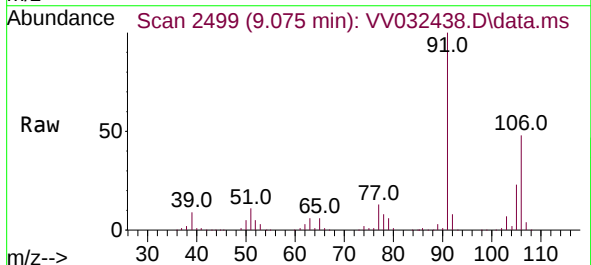
Instrument :
MSVOA_V
ClientSampleId :

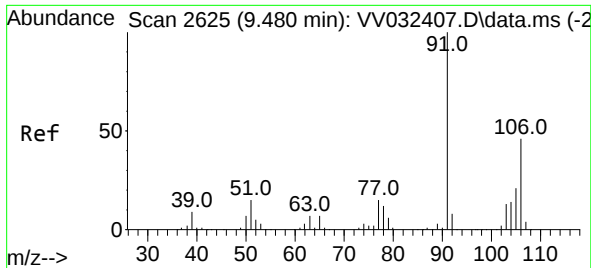
Tgt Ion: 91 Resp: 245870
Ion Ratio Lower Upper
91 100
106 30.0 21.3 39.5



#53
m,p-Xylene
Concen: 5.425 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47

Tgt Ion:106 Resp: 91986
Ion Ratio Lower Upper
106 100
91 206.4 144.5 268.3

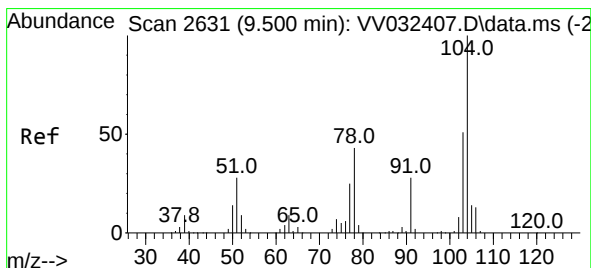
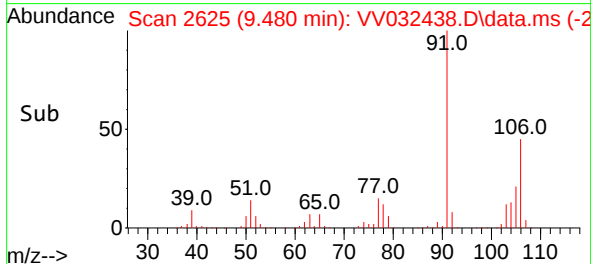
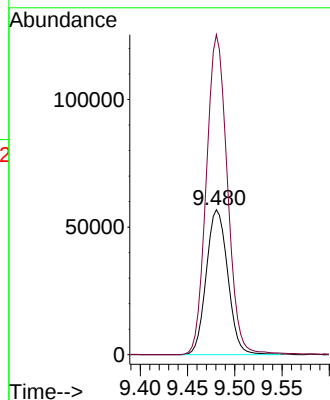
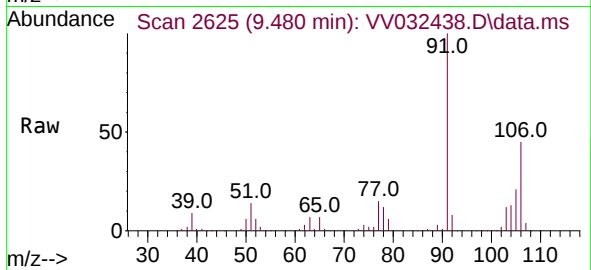




#54
o-Xylene
Concen: 5.515 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47

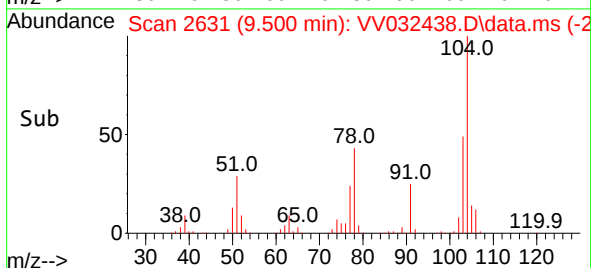
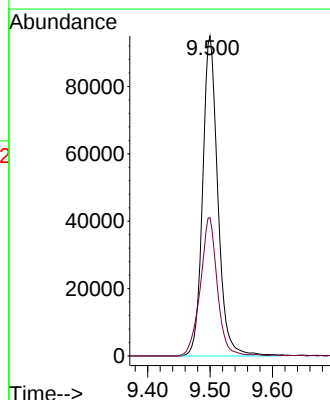
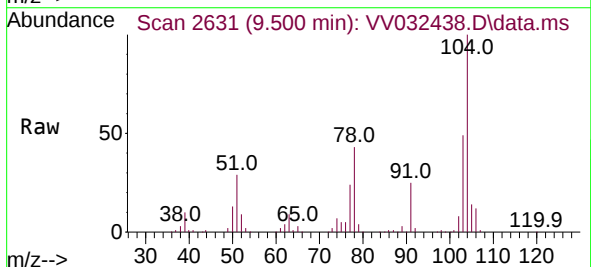
Instrument :
MSVOA_V
ClientSampleId :

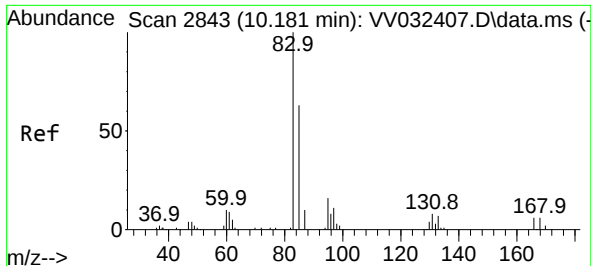
Tgt Ion:106 Resp: 90104
Ion Ratio Lower Upper
106 100
91 220.9 154.8 287.4



#55
Styrene
Concen: 5.840 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47

Tgt Ion:104 Resp: 161125
Ion Ratio Lower Upper
104 100
78 43.2 29.9 55.5

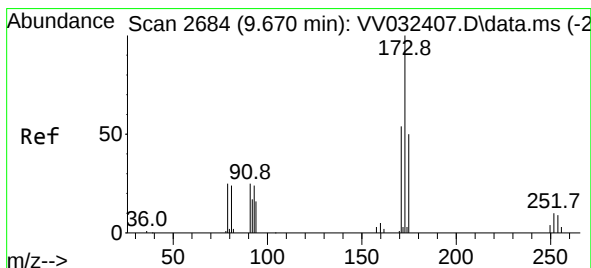
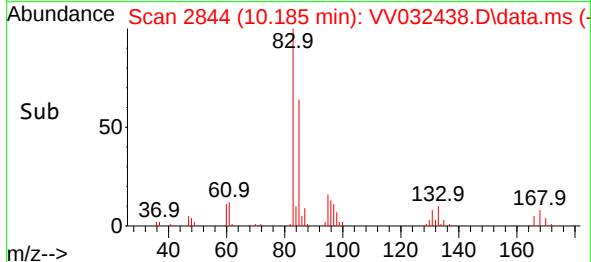
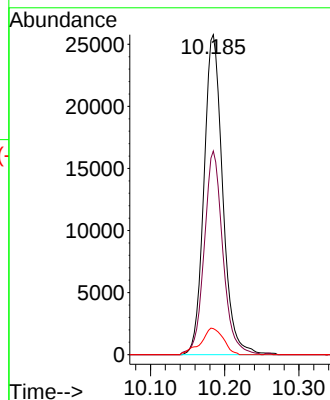
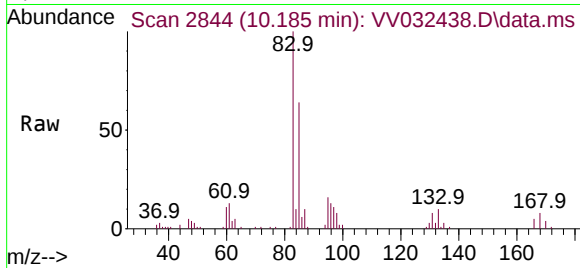




#57
1,1,2,2-Tetrachloroethane
Concen: 5.636 ug/L
RT: 10.185 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47

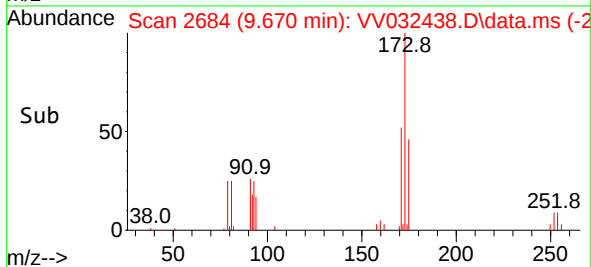
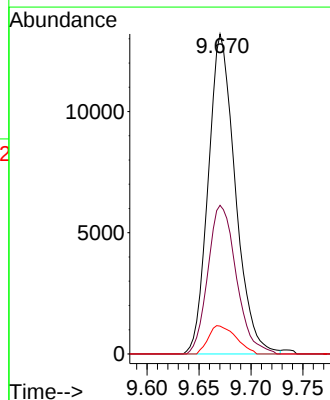
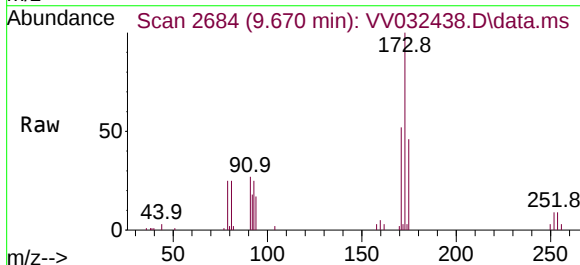
Instrument :
MSVOA_V
ClientSampleId :

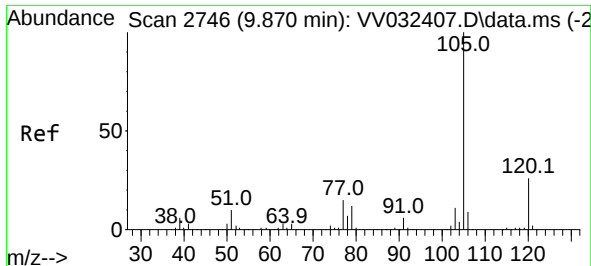
Tgt Ion: 83 Resp: 45061
Ion Ratio Lower Upper
83 100
85 63.7 43.6 81.0
131 8.2 7.0 10.6



#59
Bromoform
Concen: 5.633 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47

Tgt Ion: 173 Resp: 23845
Ion Ratio Lower Upper
173 100
175 48.8 38.2 57.2
254 9.0 7.0 10.4

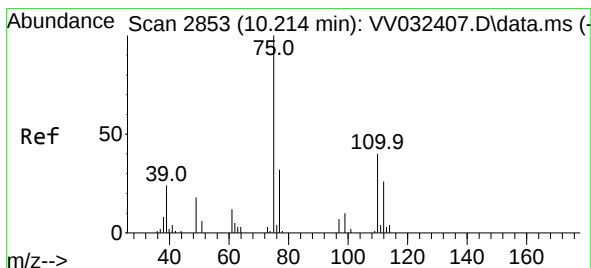
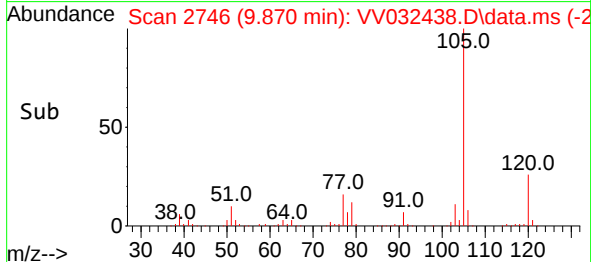
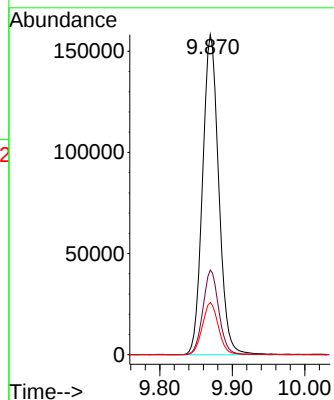
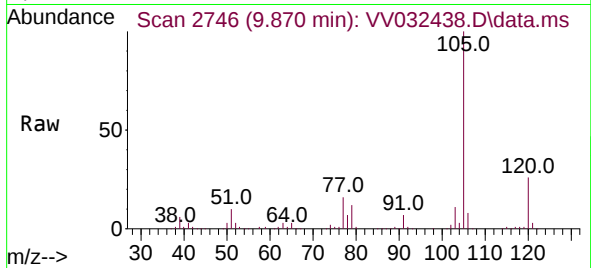




#60
Isopropylbenzene
Concen: 5.425 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47

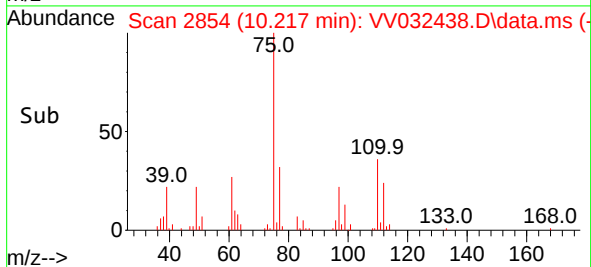
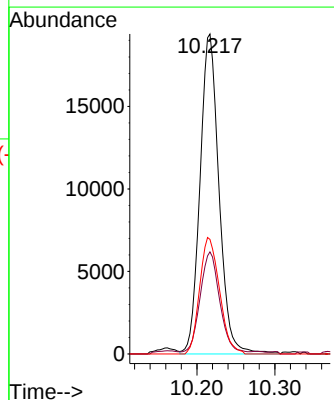
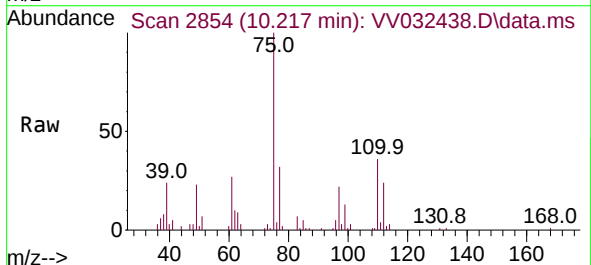
Instrument :
MSVOA_V
ClientSampleId :

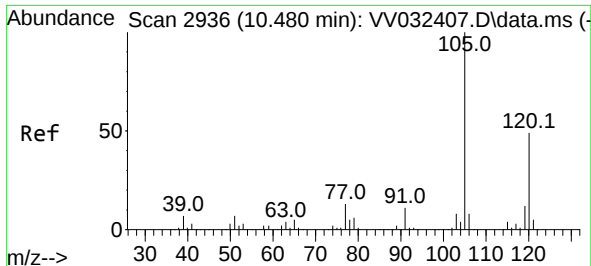
Tgt Ion:105 Resp: 245452
Ion Ratio Lower Upper
105 100
120 26.0 21.0 31.6
77 16.2 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 5.308 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.003 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47

Tgt Ion: 75 Resp: 32890
Ion Ratio Lower Upper
75 100
77 31.4 26.2 39.2
110 37.9 30.6 46.0





#62

1,3,5-Trimethylbenzene

Concen: 5.330 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VV032438.D

Acq: 17 Oct 2023 11:47

Instrument :

MSVOA_V

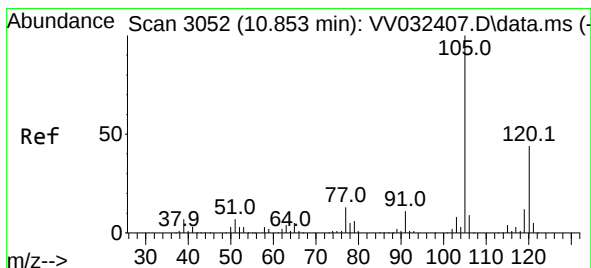
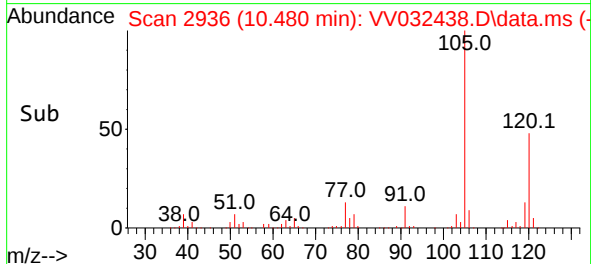
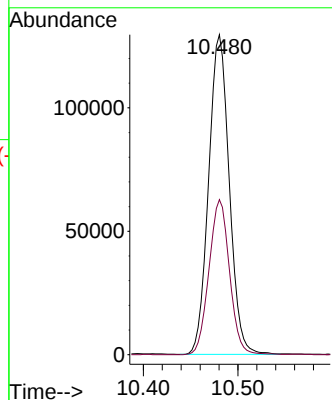
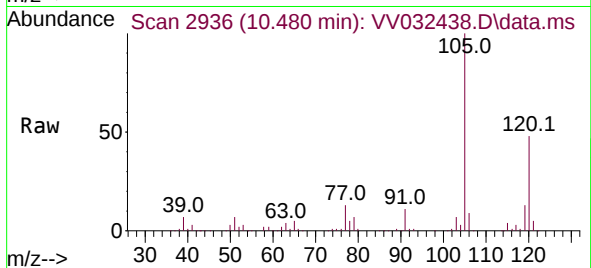
ClientSampleId :

Tgt Ion:105 Resp: 196555

Ion Ratio Lower Upper

105 100

120 48.3 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 5.364 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.003 min

Lab File: VV032438.D

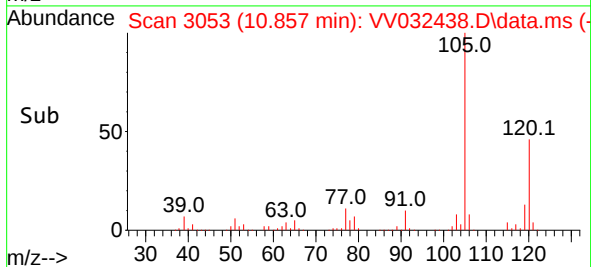
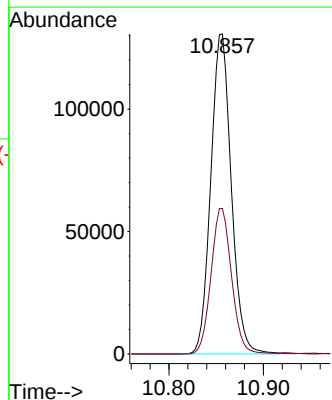
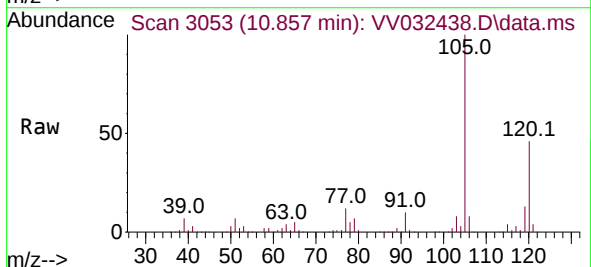
Acq: 17 Oct 2023 11:47

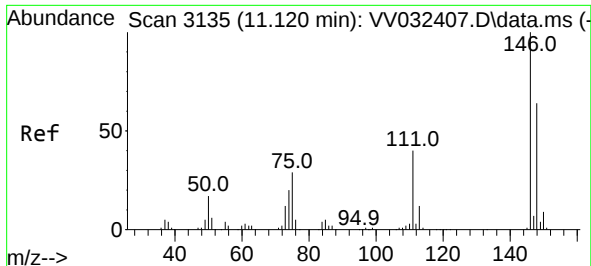
Tgt Ion:105 Resp: 196918

Ion Ratio Lower Upper

105 100

120 45.5 36.2 54.4

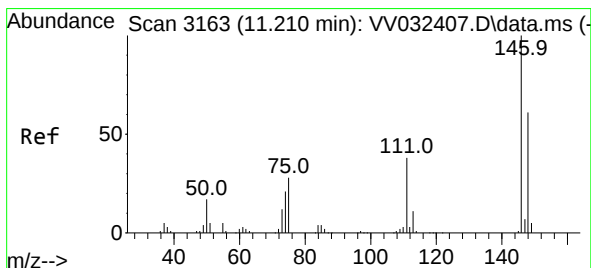
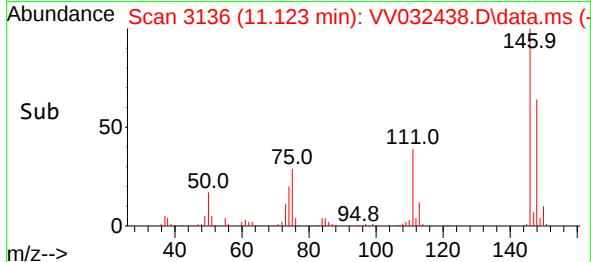
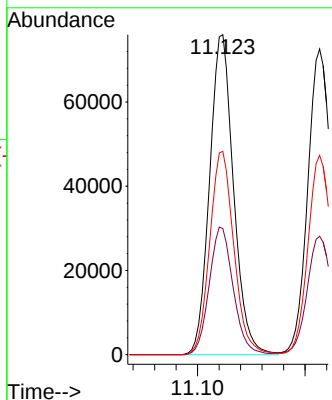
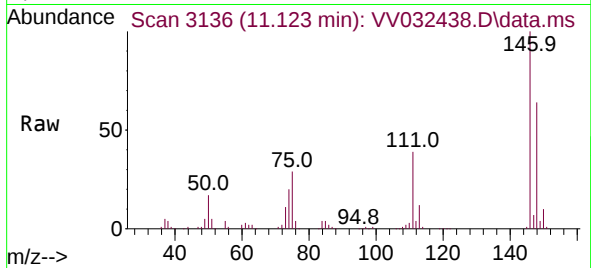




#64
 1,3-Dichlorobenzene
 Concen: 5.441 ug/L
 RT: 11.123 min Scan# 3135
 Delta R.T. 0.003 min
 Lab File: VV032438.D
 Acq: 17 Oct 2023 11:47

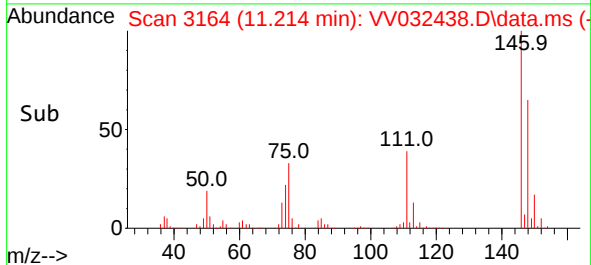
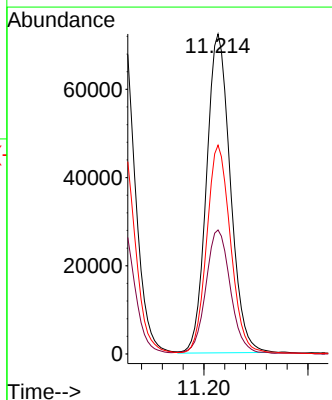
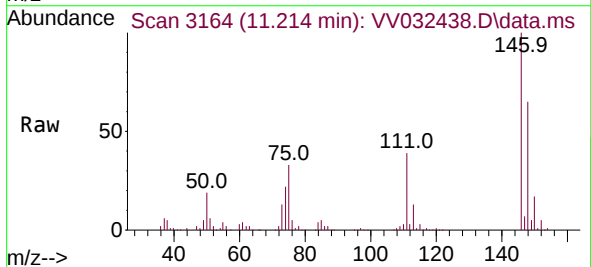
Instrument :
 MSVOA_V
 ClientSampleId :

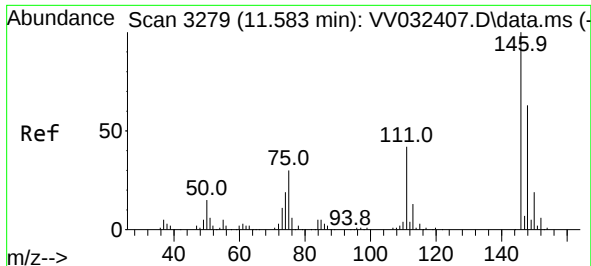
Tgt Ion:146 Resp: 117607
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.8 51.6
 148 63.6 43.7 81.1



#65
 1,4-Dichlorobenzene
 Concen: 5.310 ug/L
 RT: 11.214 min Scan# 3164
 Delta R.T. 0.003 min
 Lab File: VV032438.D
 Acq: 17 Oct 2023 11:47

Tgt Ion:146 Resp: 115147
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.9 49.9
 148 65.3 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.497 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032438.D

Acq: 17 Oct 2023 11:47

Instrument :

MSVOA_V

ClientSampleId :

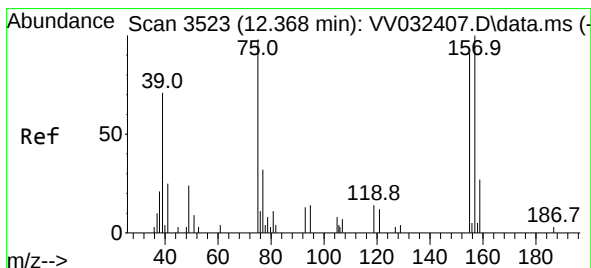
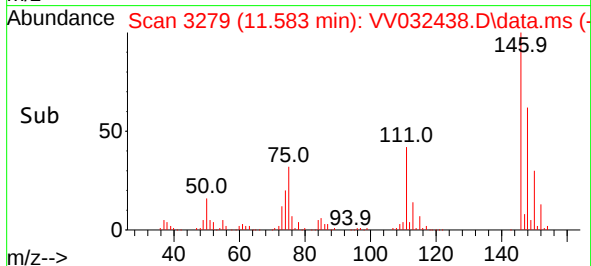
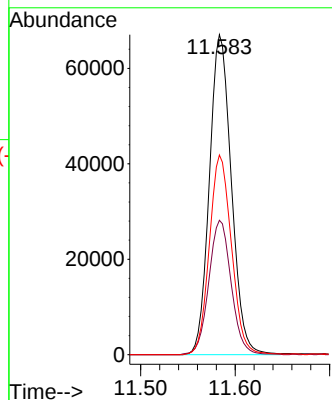
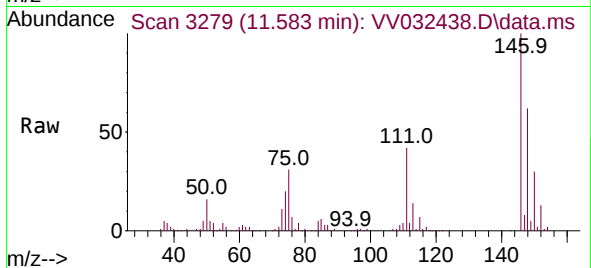
Tgt Ion:146 Resp: 108359

Ion Ratio Lower Upper

146 100

111 42.0 32.8 49.2

148 62.4 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.019 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.003 min

Lab File: VV032438.D

Acq: 17 Oct 2023 11:47

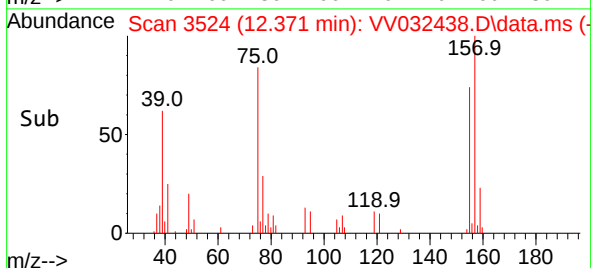
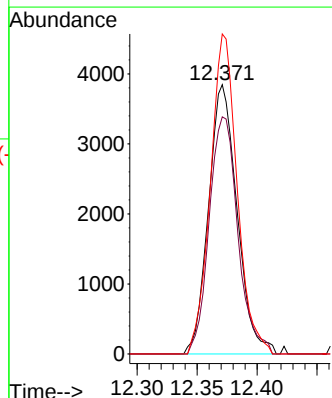
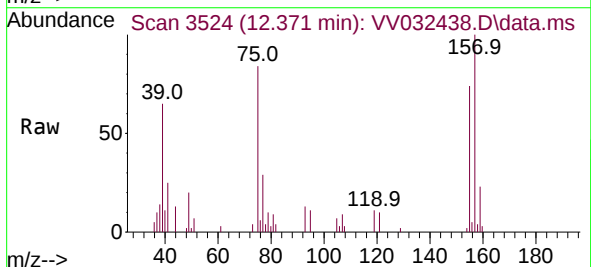
Tgt Ion: 75 Resp: 6354

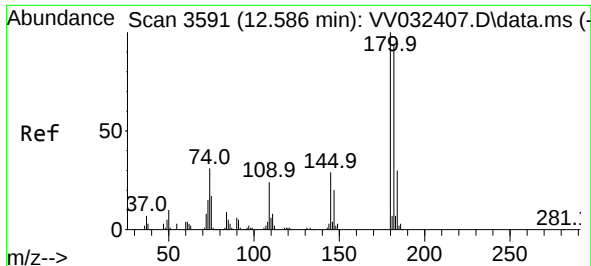
Ion Ratio Lower Upper

75 100

155 88.0 70.2 105.4

157 118.8 90.6 135.8





#69

1,3,5-Trichlorobenzene

Concen: 5.112 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. 0.000 min

Lab File: VV032438.D

Acq: 17 Oct 2023 11:47

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 80915

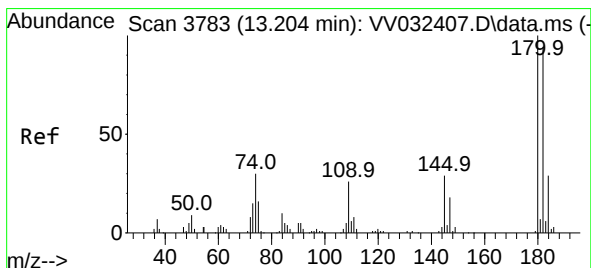
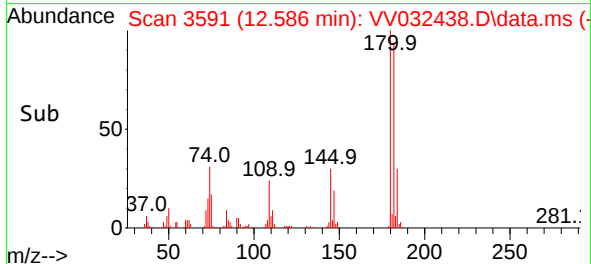
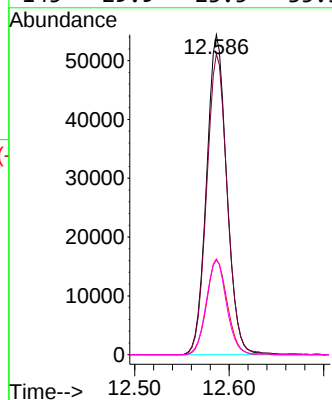
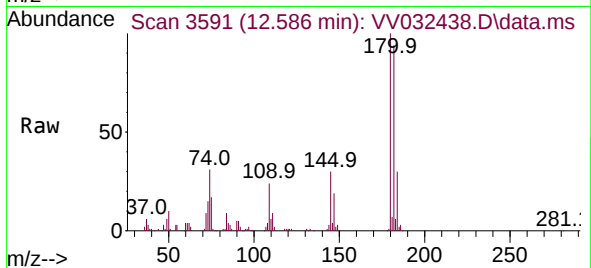
Ion Ratio Lower Upper

180 100

182 95.7 74.6 112.0

184 30.2 24.1 36.1

145 29.9 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 4.679 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV032438.D

Acq: 17 Oct 2023 11:47

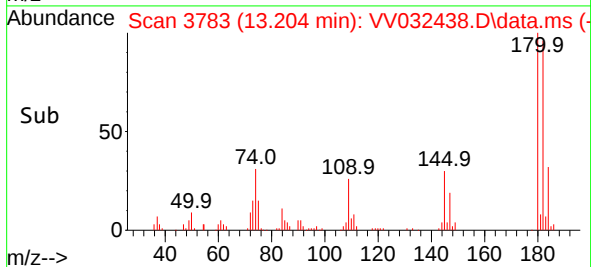
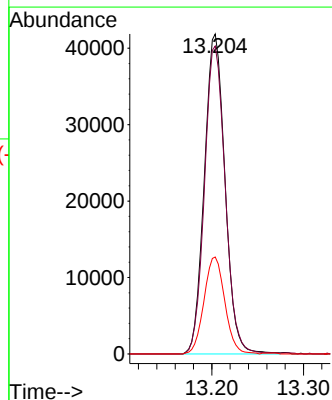
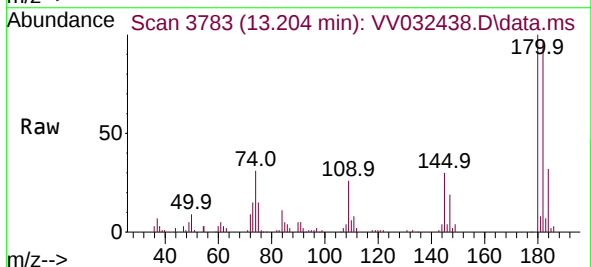
Tgt Ion:180 Resp: 65693

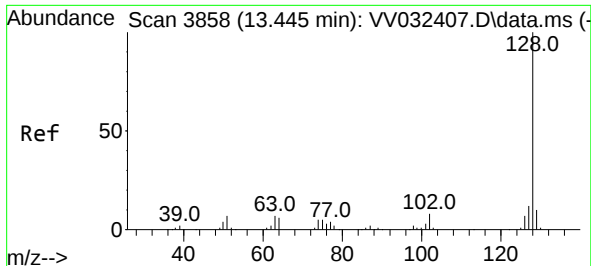
Ion Ratio Lower Upper

180 100

182 96.4 76.5 114.7

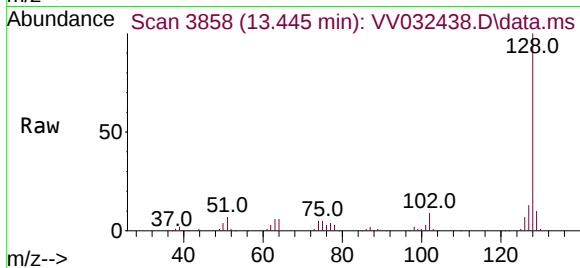
145 30.4 24.3 36.5



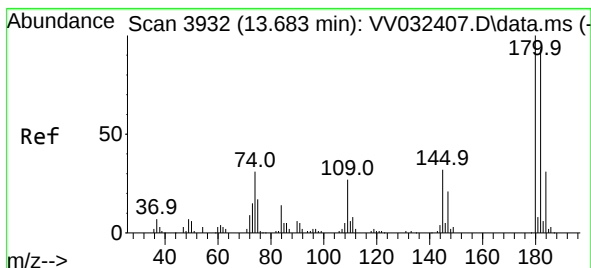
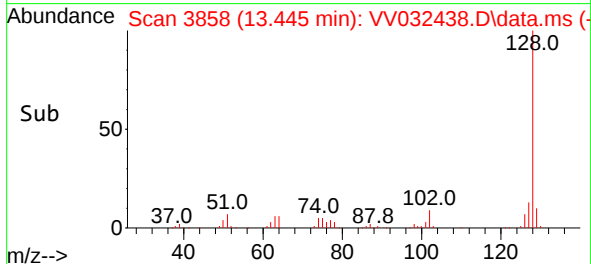
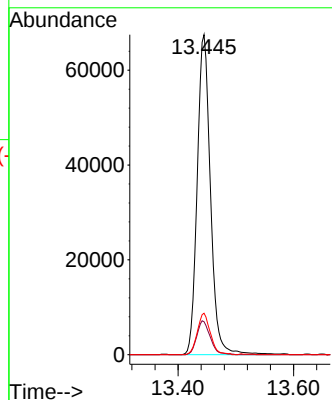


#71
Naphthalene
Concen: 4.516 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. 0.000 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 107703
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.4
127 12.7 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.922 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. 0.003 min
Lab File: VV032438.D
Acq: 17 Oct 2023 11:47

Tgt Ion:180 Resp: 59536
Ion Ratio Lower Upper
180 100
182 94.4 77.0 115.4
145 31.3 25.7 38.5

