

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041023\
 Data File : VW030458.D
 Acq On : 10 Apr 2023 10:27
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005326

Quant Time: Apr 11 06:20:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Apr 10 03:52:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	97536	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	94933	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	55762	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	27659	4.282	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.600%
7) Chloroethane-d5	1.536	69	27888	4.449	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.000%
11) 1,1-Dichloroethene-d2	2.066	63	73913	4.822	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.400%
20) 2-Butanone-d5	3.828	46	76644	45.903	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.800%
24) Chloroform-d	4.259	84	79939	5.113	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
26) 1,2-Dichloroethane-d4	4.953	65	39468	5.350	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.000%
32) Benzene-d6	4.966	84	137024	5.122	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.400%
36) 1,2-Dichloropropane-d6	5.995	67	42258	5.046	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.000%
41) Toluene-d8	7.249	98	134655	5.481	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.600%
43) trans-1,3-Dichloroprop...	7.561	79	13564	4.301	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.000%
46) 2-Hexanone-d5	8.034	63	61327	48.399	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.800%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	31655	4.796	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.000%
66) 1,2-Dichlorobenzene-d4	11.567	152	49263	4.943	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	50864	4.102	ug/L	97
3) Chloromethane	1.217	50	61604	3.937	ug/L	98
5) Vinyl chloride	1.285	62	50278	4.408	ug/L	97
6) Bromomethane	1.491	94	15536	4.775	ug/L	98
8) Chloroethane	1.552	64	30004	4.592	ug/L	98
9) Trichlorofluoromethane	1.719	101	82306	4.950	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	40691	4.434	ug/L	98
12) 1,1-Dichloroethene	2.072	96	37966	4.659	ug/L	97
13) Acetone	2.159	43	57179	35.812	ug/L	81
14) Carbon disulfide	2.246	76	116356	4.334	ug/L	100
15) Methyl Acetate	2.391	43	12890	4.518	ug/L	97
16) Methylene chloride	2.452	84	42718	4.431	ug/L	99
17) Methyl tert-butyl Ether	2.712	73	78088	4.524	ug/L	98
18) trans-1,2-Dichloroethene	2.699	96	37492	4.367	ug/L	99
19) 1,1-Dichloroethane	3.117	63	77332	4.646	ug/L	99
21) 2-Butanone	3.908	43	75037	37.339	ug/L	97
22) cis-1,2-Dichloroethene	3.825	96	38974	4.523	ug/L	97
23) Bromochloromethane	4.156	128	18764	4.663	ug/L	94
25) Chloroform	4.285	83	82356	4.896	ug/L	97

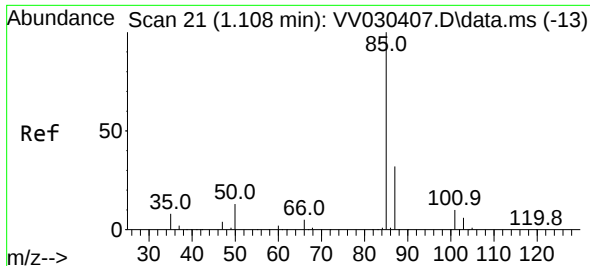
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041023\
 Data File : VW030458.D
 Acq On : 10 Apr 2023 10:27
 Operator : SY/MD
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 VSTD005326

Quant Time: Apr 11 06:20:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Apr 10 03:52:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	50643	4.980	ug/L	96
29) 1,1,1-Trichloroethane	4.519	97	76636	5.023	ug/L	98
30) Cyclohexane	4.590	56	58608	4.216	ug/L	97
31) Carbon tetrachloride	4.741	117	69307	5.006	ug/L	99
33) Benzene	5.018	78	160169	4.750	ug/L	100
34) Trichloroethene	5.841	95	41951	4.613	ug/L	98
35) Methylcyclohexane	6.056	83	59385	4.160	ug/L	96
37) 1,2-Dichloropropane	6.101	63	42210	4.876	ug/L	99
38) Bromodichloromethane	6.439	83	57826	5.101	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	45991	3.778	ug/L	100
40) 4-Methyl-2-pentanone	7.169	43	210500	46.148	ug/L	99
42) Toluene	7.320	91	180847	5.036	ug/L	97
44) trans-1,3-Dichloropropene	7.590	75	40774	3.937	ug/L	98
45) 1,1,2-Trichloroethane	7.776	97	28811	4.727	ug/L	98
47) Tetrachloroethene	7.911	164	36127	4.501	ug/L	97
48) 2-Hexanone	8.085	43	158931	46.523	ug/L	100
49) Dibromochloromethane	8.185	129	36645	5.051	ug/L	94
50) 1,2-Dibromoethane	8.288	107	26130	4.712	ug/L	96
51) Chlorobenzene	8.821	112	108670	4.726	ug/L	97
52) Ethylbenzene	8.953	91	176740	4.498	ug/L	100
53) m,p-Xylene	9.079	106	70067	4.658	ug/L	99
54) o-Xylene	9.487	106	66936	4.651	ug/L	97
55) Styrene	9.503	104	115850	4.739	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	32481	4.490	ug/L	96
59) Bromoform	9.673	173	21858	4.850	ug/L	99
60) Isopropylbenzene	9.873	105	181034	4.402	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	22070	4.427	ug/L	94
62) 1,3,5-Trimethylbenzene	10.484	105	147136	4.385	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	151486	4.430	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	96207	4.692	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	94692	4.584	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	86485	4.680	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	5560	4.484	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	70236	4.448	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	53175	4.362	ug/L	98
71) Naphthalene	13.448	128	70557	4.053	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	45862	4.343	ug/L	99

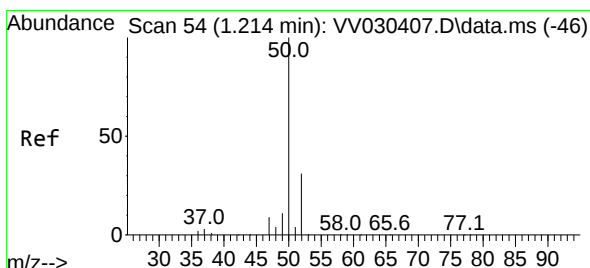
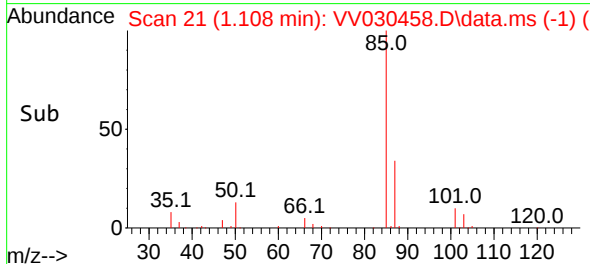
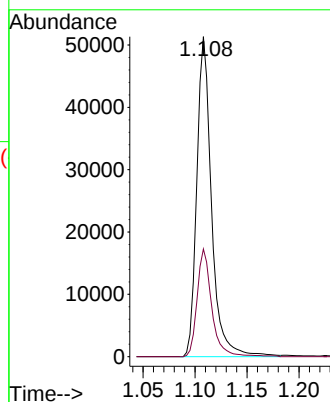
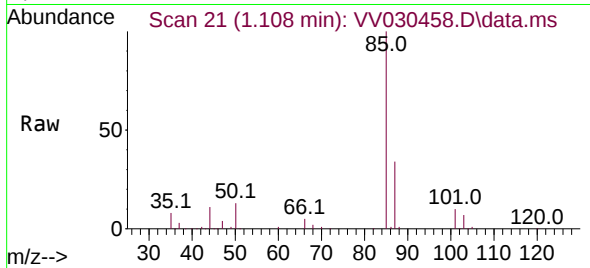
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#2
 Dichlorodifluoromethane
 Concen: 4.102 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030458.D
 Acq: 10 Apr 2023 10:27

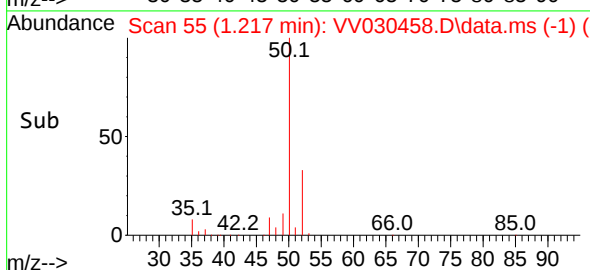
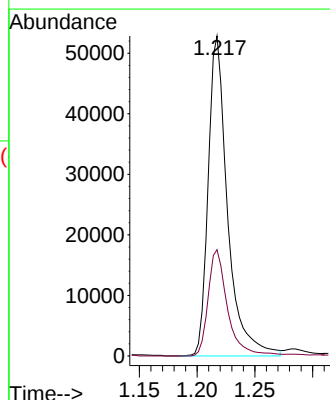
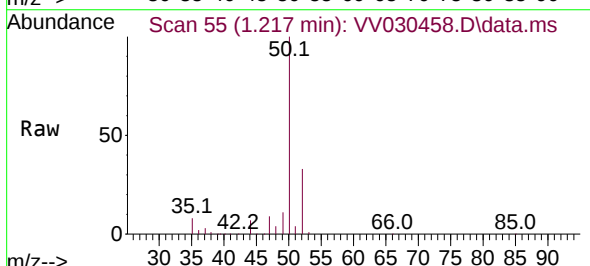
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005326

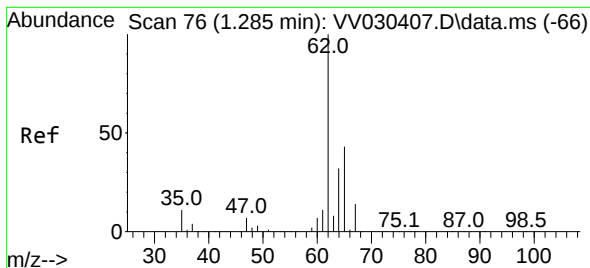
Tgt Ion: 85 Resp: 50864
 Ion Ratio Lower Upper
 85 100
 87 33.5 25.6 38.4



#3
 Chloromethane
 Concen: 3.937 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030458.D
 Acq: 10 Apr 2023 10:27

Tgt Ion: 50 Resp: 61604
 Ion Ratio Lower Upper
 50 100
 52 33.2 22.3 41.5





#5

Vinyl chloride

Concen: 4.408 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV030458.D

Acq: 10 Apr 2023 10:27

Instrument :

MSVOA_V

ClientSampleId :

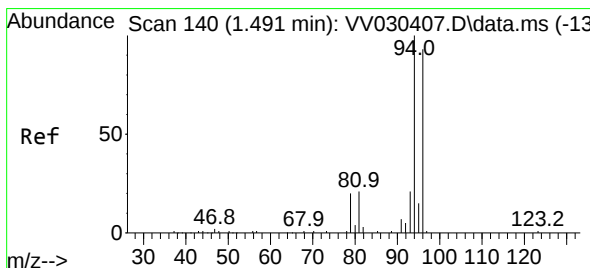
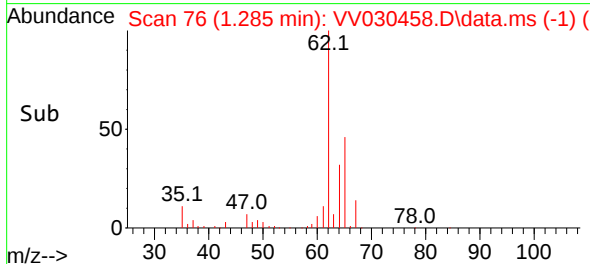
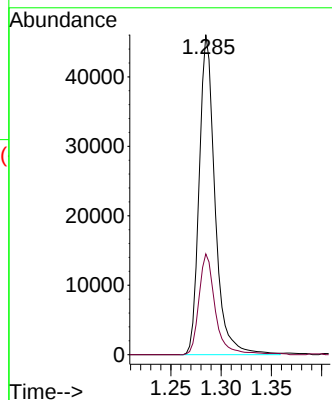
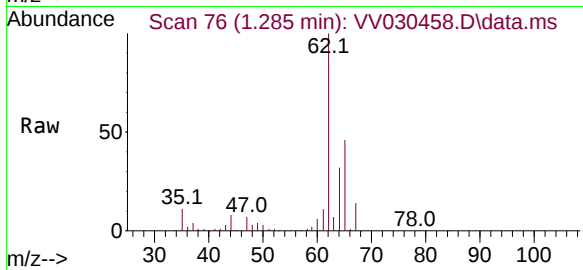
VSTD005326

Tgt Ion: 62 Resp: 50278

Ion Ratio Lower Upper

62 100

64 31.5 23.2 43.2



#6

Bromomethane

Concen: 4.775 ug/L

RT: 1.491 min Scan# 140

Delta R.T. 0.000 min

Lab File: VV030458.D

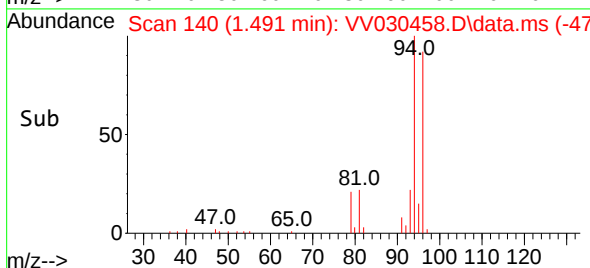
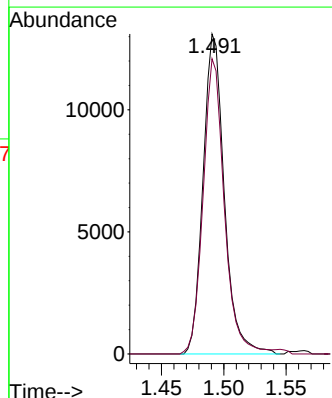
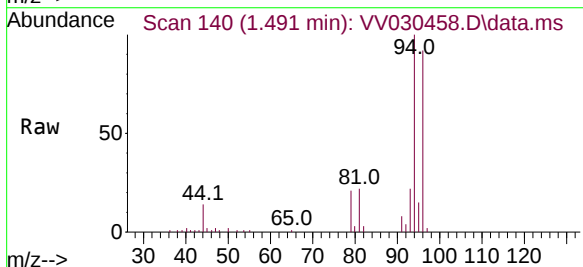
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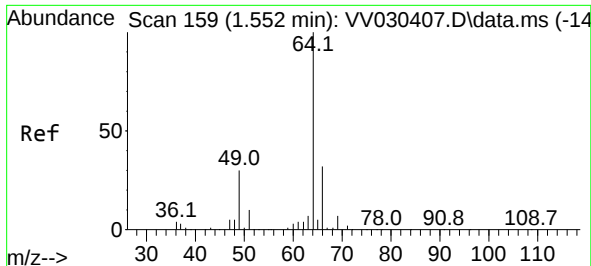
Tgt Ion: 94 Resp: 15536

Ion Ratio Lower Upper

94 100

96 92.3 66.1 122.7





#8

Chloroethane

Concen: 4.592 ug/L

RT: 1.552 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV030458.D

Acq: 10 Apr 2023 10:27

Instrument :

MSVOA_V

ClientSampleId :

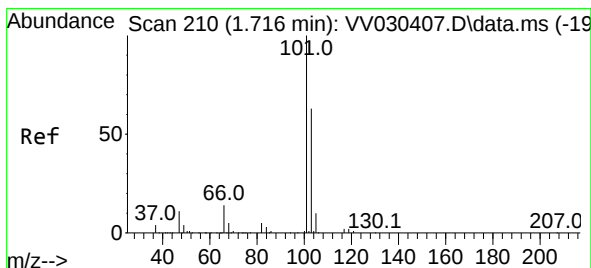
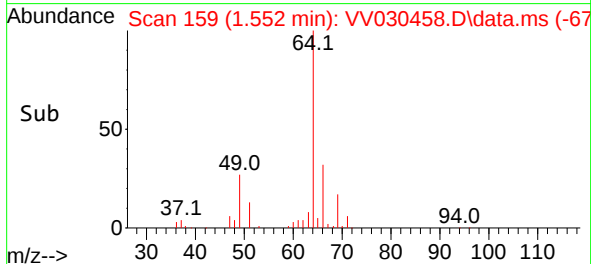
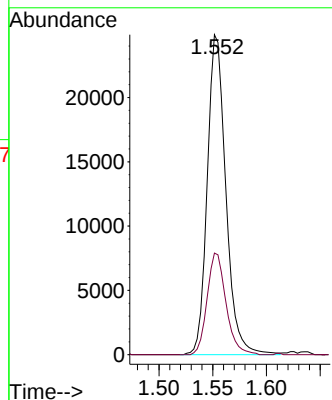
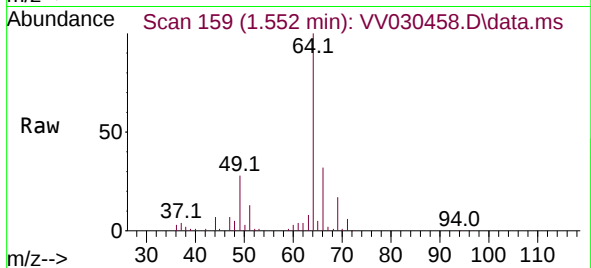
VSTD005326

Tgt Ion: 64 Resp: 30004

Ion Ratio Lower Upper

64 100

66 31.8 23.0 42.8



#9

Trichlorofluoromethane

Concen: 4.950 ug/L

RT: 1.719 min Scan# 211

Delta R.T. 0.000 min

Lab File: VV030458.D

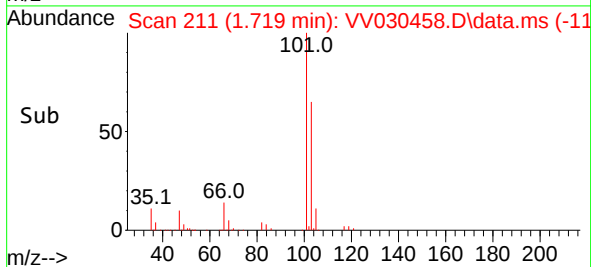
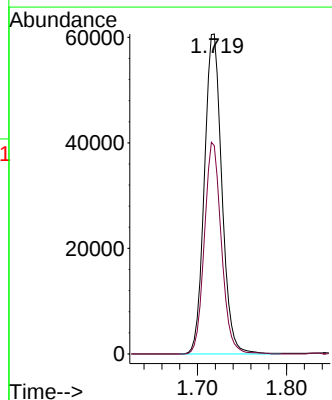
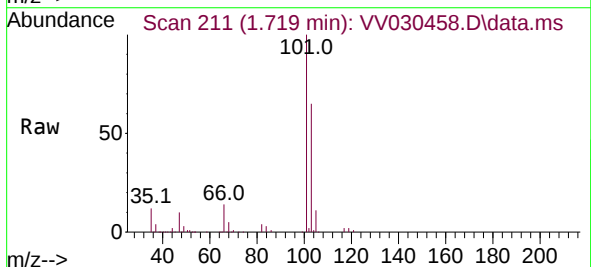
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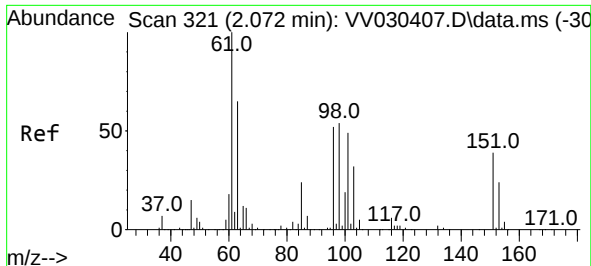
Tgt Ion:101 Resp: 82306

Ion Ratio Lower Upper

101 100

103 64.4 51.0 76.6





#10

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

Concen: 4.434 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV030458.D

Acq: 10 Apr 2023 10:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD005326

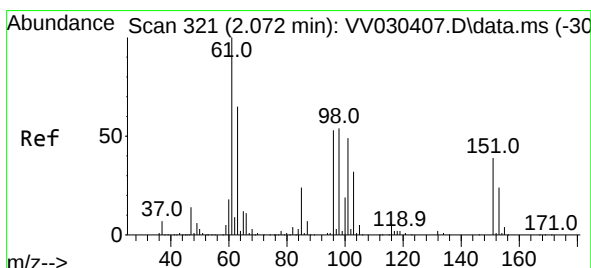
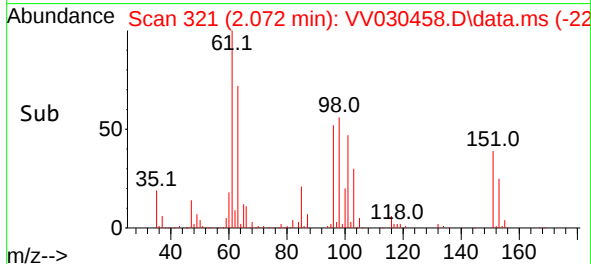
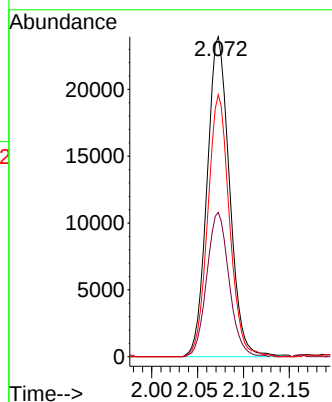
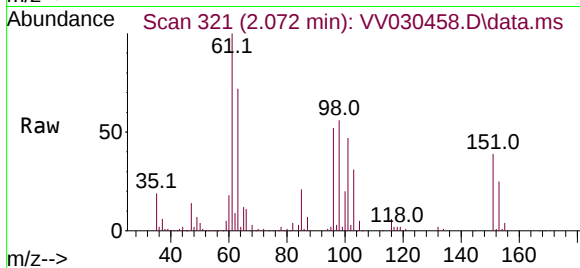
Tgt Ion:101 Resp: 40691

Ion Ratio Lower Upper

101 100

85 44.9 38.1 57.1

151 79.1 62.7 94.1



#12

1,1-Dichloroethene

Concen: 4.659 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV030458.D

Acq: 10 Apr 2023 10:27

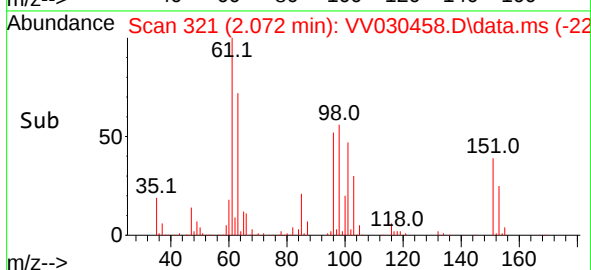
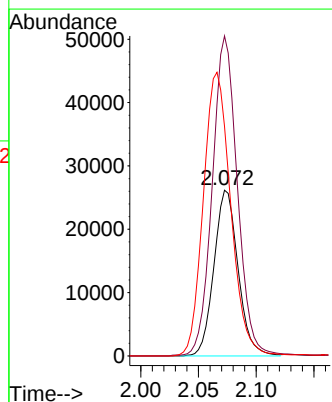
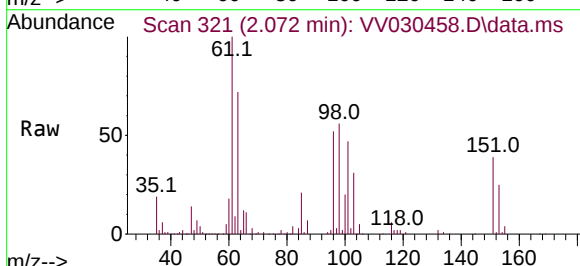
Tgt Ion: 96 Resp: 37966

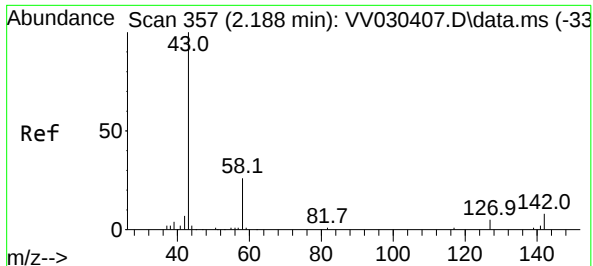
Ion Ratio Lower Upper

96 100

61 193.1 136.3 253.1

63 138.5 92.1 171.1





#13

Acetone

Concen: 35.812 ug/L

RT: 2.159 min Scan# 34

Delta R.T. 0.010 min

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ClientSampleId :

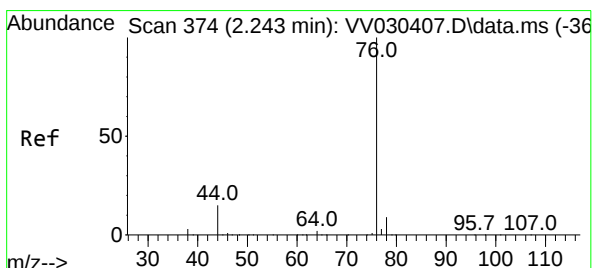
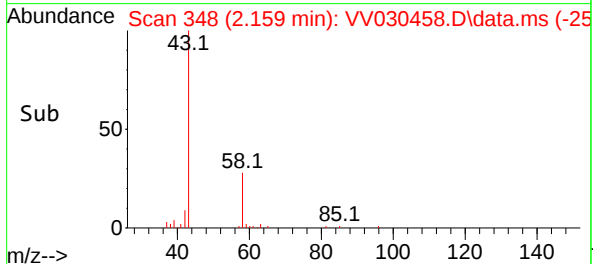
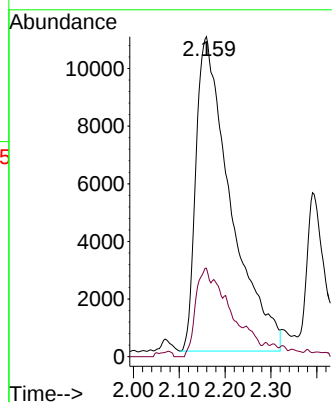
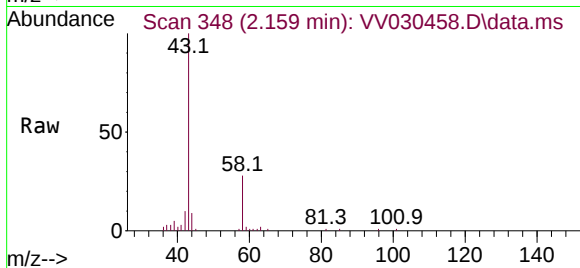
VSTD005326

Tgt Ion: 43 Resp: 57179

Ion Ratio Lower Upper

43 100

58 11.7 0.0 40.8



#14

Carbon disulfide

Concen: 4.334 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV030458.D

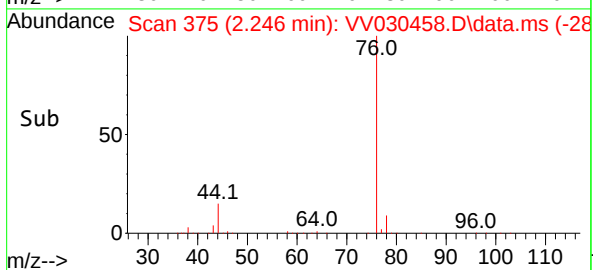
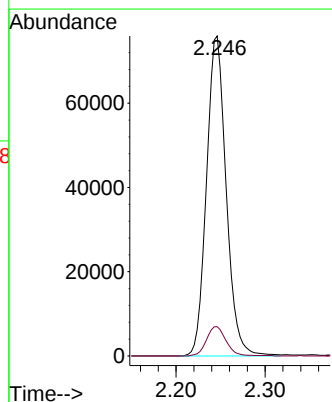
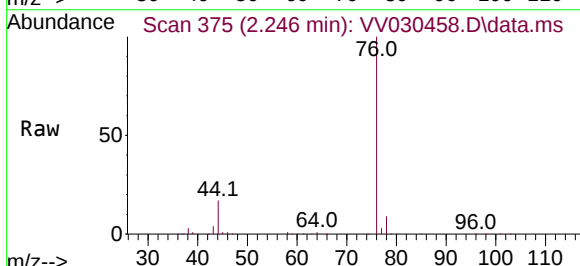
Acq: 10 Apr 2023 10:27

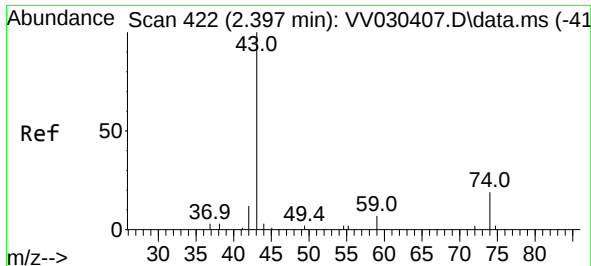
Tgt Ion: 76 Resp: 116356

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

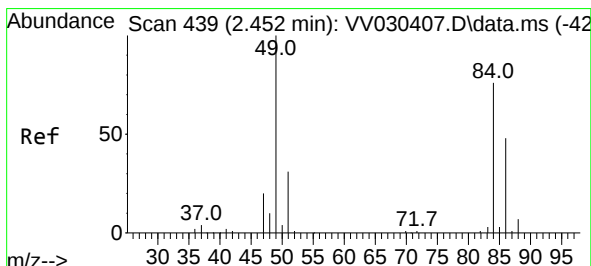
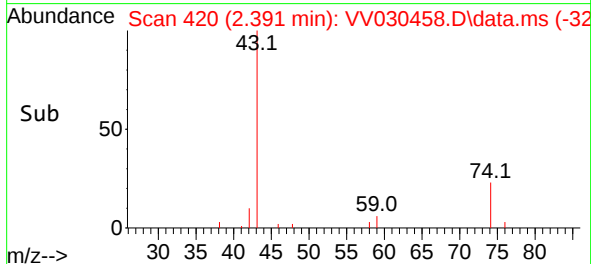
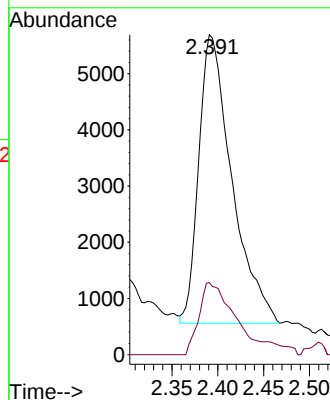
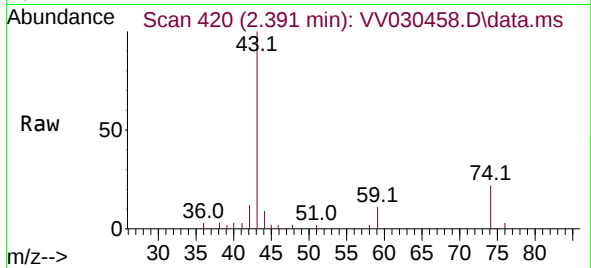




#15
Methyl Acetate
Concen: 4.518 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

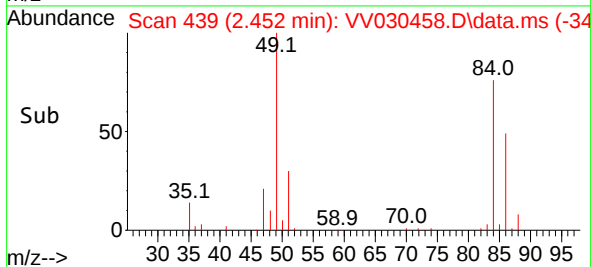
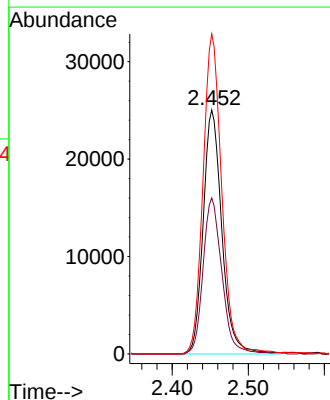
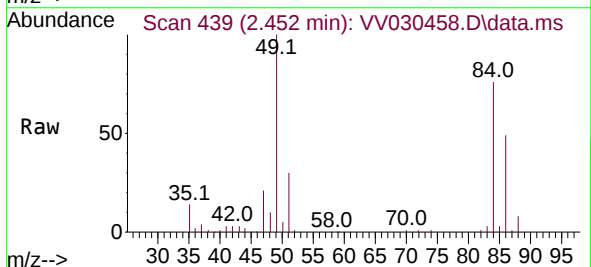
Instrument :
MSVOA_V
ClientSampleId :
VSTD005326

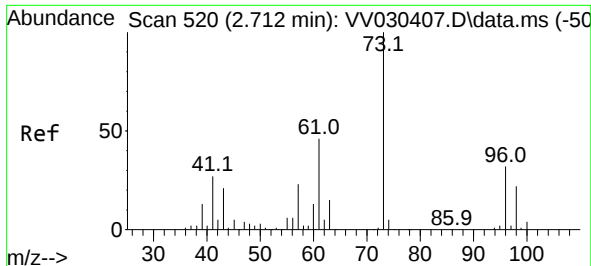
Tgt Ion: 43 Resp: 12890
Ion Ratio Lower Upper
43 100
74 29.3 22.1 33.1



#16
Methylene chloride
Concen: 4.431 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

Tgt Ion: 84 Resp: 42718
Ion Ratio Lower Upper
84 100
86 63.9 44.0 81.6
49 131.1 90.6 168.3

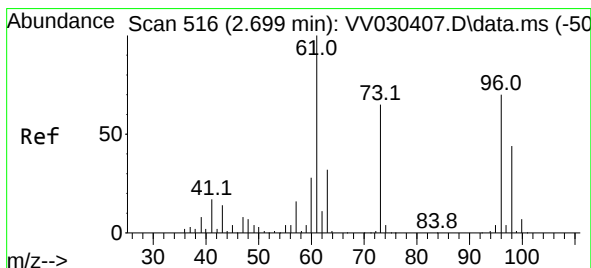
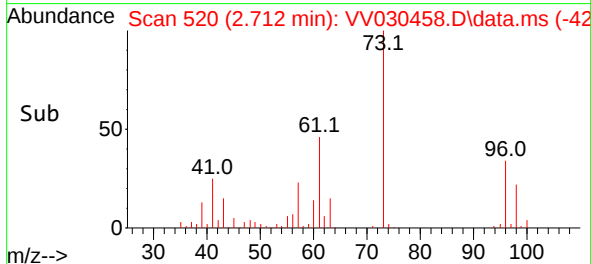
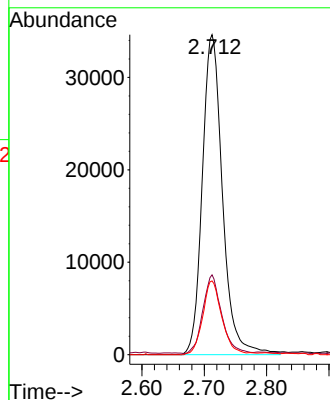
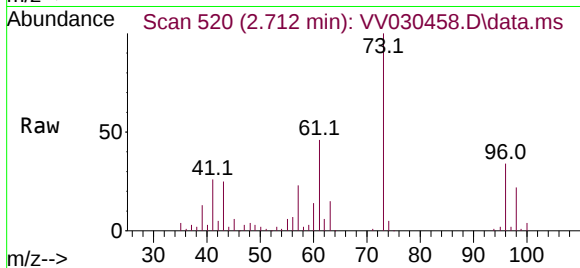




#17
Methyl tert-butyl Ether
Concen: 4.524 ug/L
RT: 2.712 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

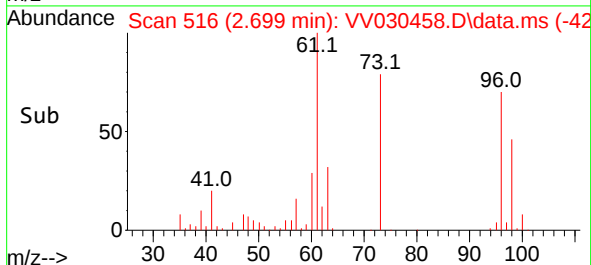
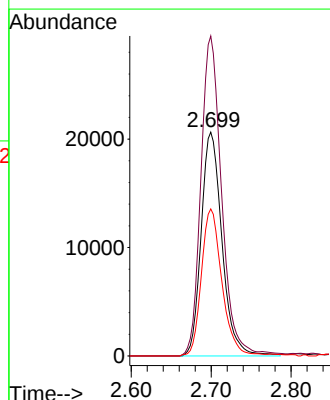
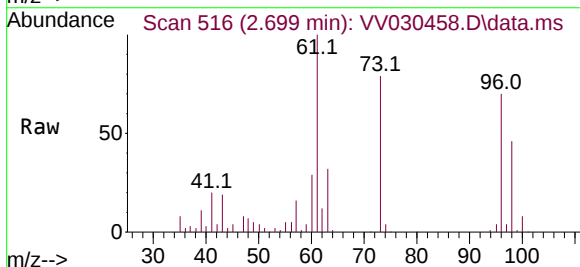
Instrument :
MSVOA_V
ClientSampleId :
VSTD005326

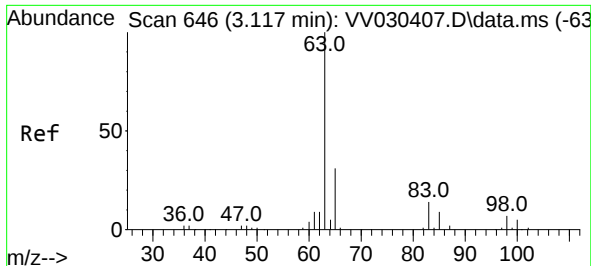
Tgt Ion: 73	Resp:	78088	
Ion	Ratio	Lower	Upper
73	100		
43	22.7	17.4	26.2
57	21.8	18.3	27.5



#18
trans-1,2-Dichloroethene
Concen: 4.367 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

Tgt Ion: 96	Resp:	37492	
Ion	Ratio	Lower	Upper
96	100		
61	142.9	101.7	188.9
98	65.7	45.8	85.2





#19

1,1-Dichloroethane

Concen: 4.646 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV030458.D

Acq: 10 Apr 2023 10:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD005326

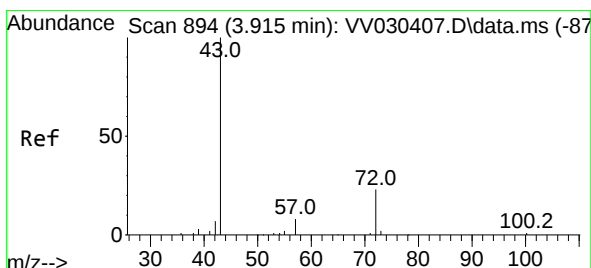
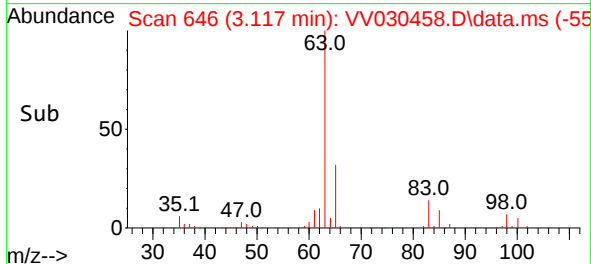
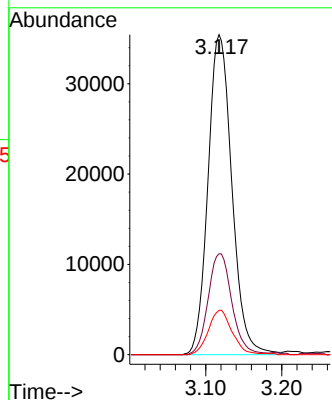
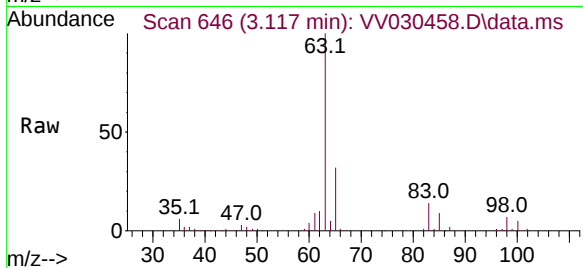
Tgt Ion: 63 Resp: 77332

Ion Ratio Lower Upper

63 100

65 31.6 21.7 40.3

83 13.8 9.1 16.9



#21

2-Butanone

Concen: 37.339 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.010 min

Lab File: VV030458.D

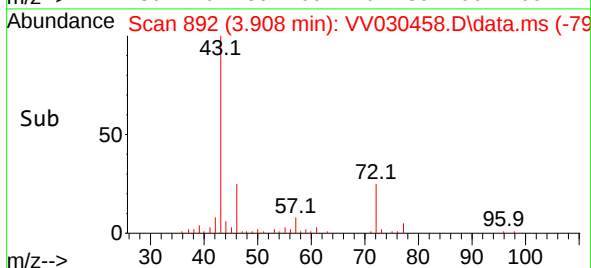
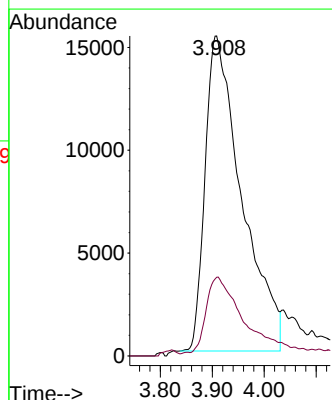
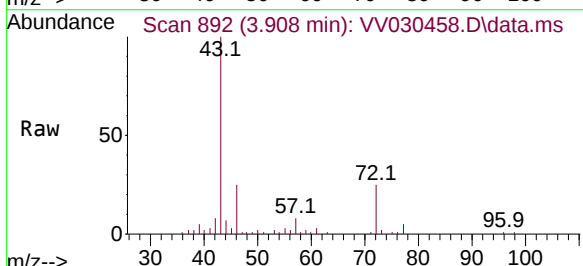
Acq: 10 Apr 2023 10:27

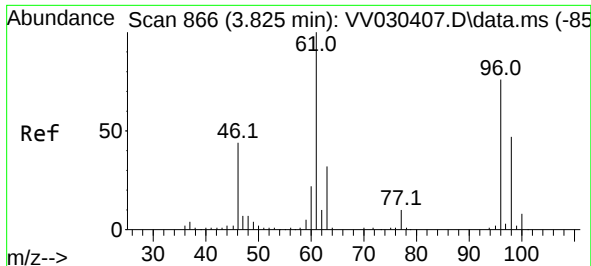
Tgt Ion: 43 Resp: 75037

Ion Ratio Lower Upper

43 100

72 23.7 11.2 33.5



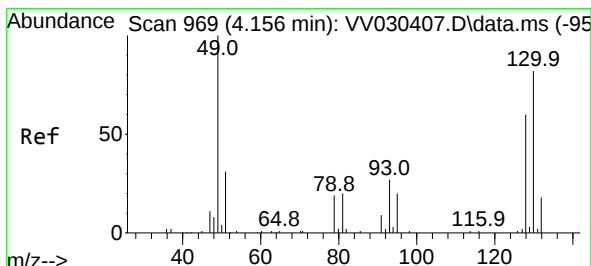
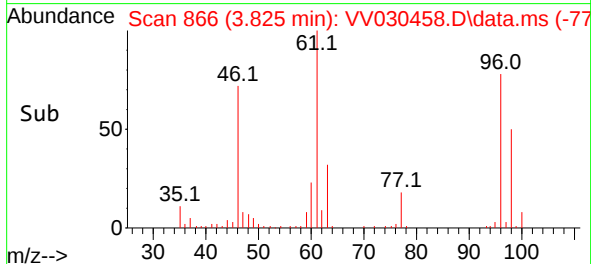
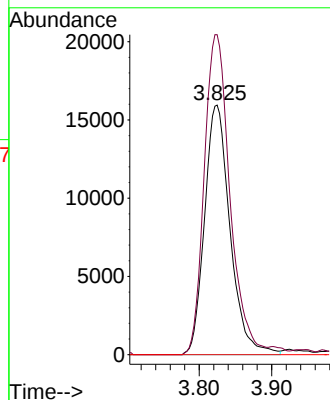
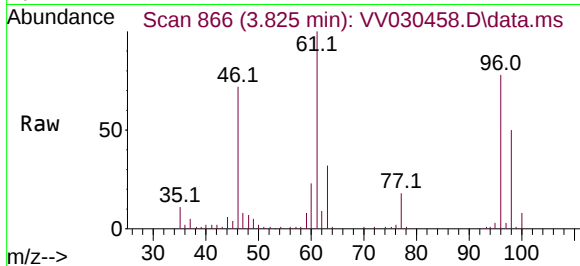


#22
 cis-1,2-Dichloroethene
 Concen: 4.523 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. 0.000 min
 Lab File: VV030458.D
 Acq: 10 Apr 2023 10:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005326

Tgt Ion: 96 Resp: 38974

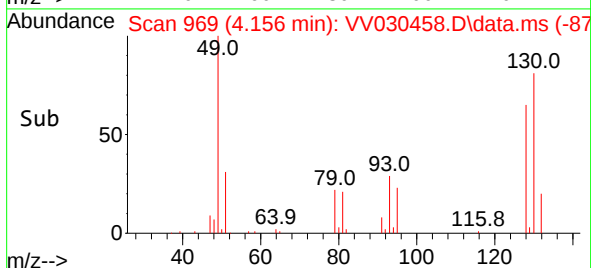
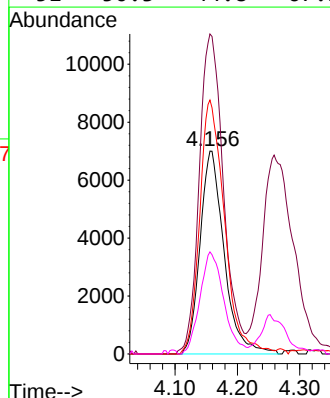
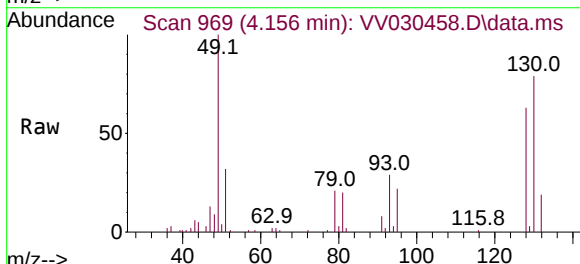
Ion	Ratio	Lower	Upper
96	100		
61	128.2	92.0	170.8
68	0.0	0.0	0.0

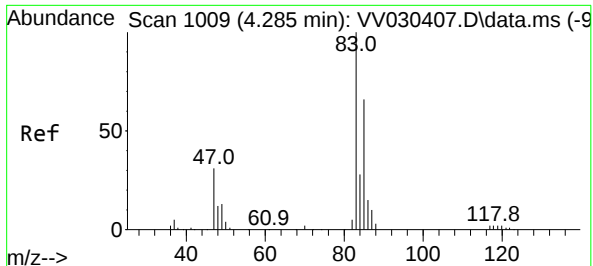


#23
 Bromochloromethane
 Concen: 4.663 ug/L
 RT: 4.156 min Scan# 969
 Delta R.T. -0.003 min
 Lab File: VV030458.D
 Acq: 10 Apr 2023 10:27

Tgt Ion: 128 Resp: 18764

Ion	Ratio	Lower	Upper
128	100		
49	157.7	119.4	221.8
130	125.2	89.2	165.8
51	50.3	44.8	67.2





#25

Chloroform

Concen: 4.896 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV030458.D

Acq: 10 Apr 2023 10:27

Instrument :

MSVOA_V

ClientSampleId :

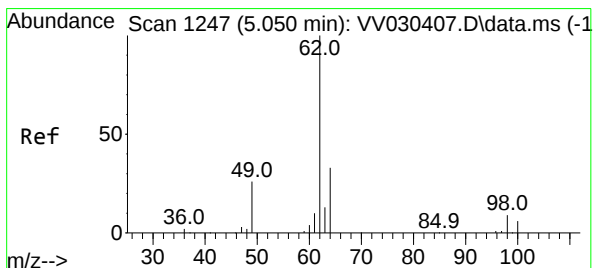
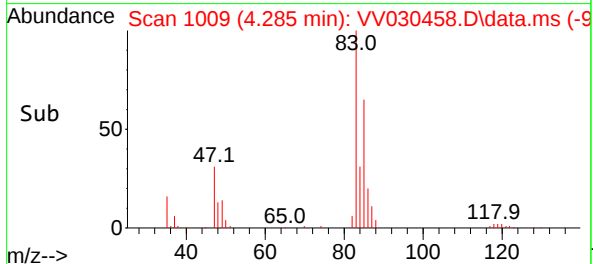
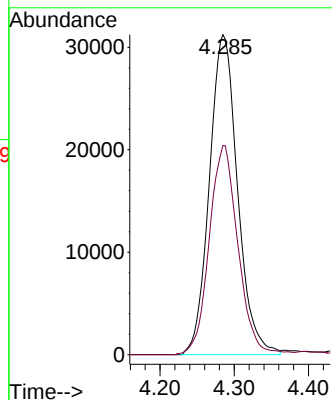
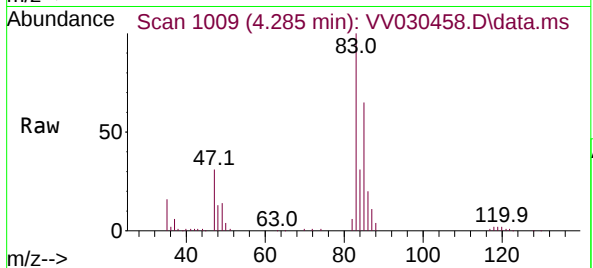
VSTD005326

Tgt Ion: 83 Resp: 82356

Ion Ratio Lower Upper

83 100

85 65.4 47.6 88.4



#27

1,2-Dichloroethane

Concen: 4.980 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.000 min

Lab File: VV030458.D

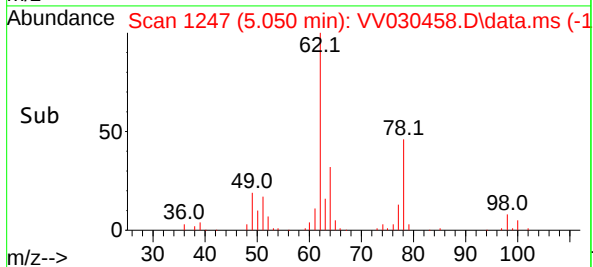
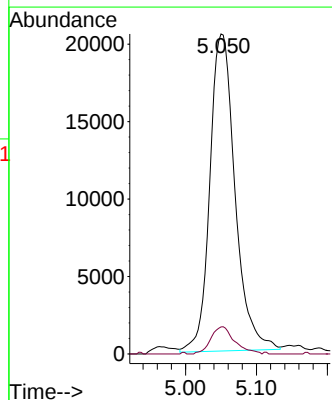
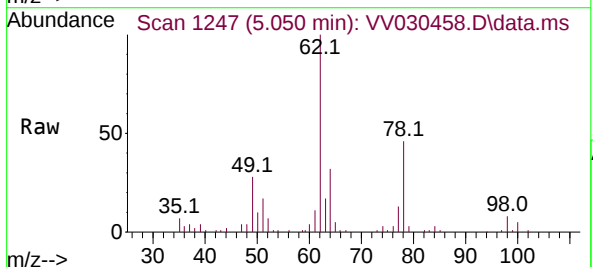
Acq: 10 Apr 2023 10:27

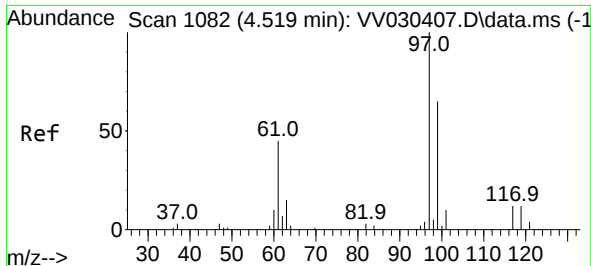
Tgt Ion: 62 Resp: 50643

Ion Ratio Lower Upper

62 100

98 8.5 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.023 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV030458.D

Acq: 10 Apr 2023 10:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD005326

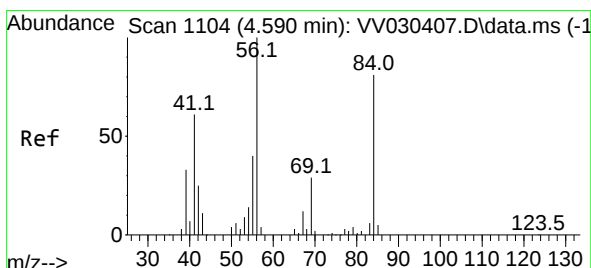
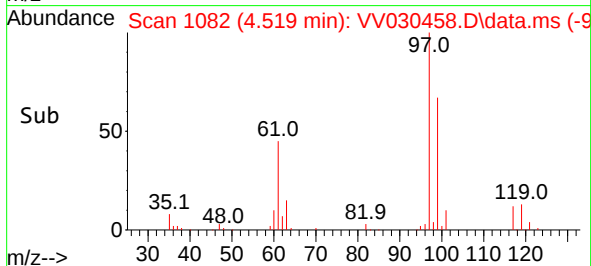
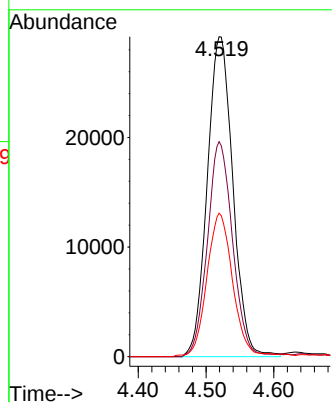
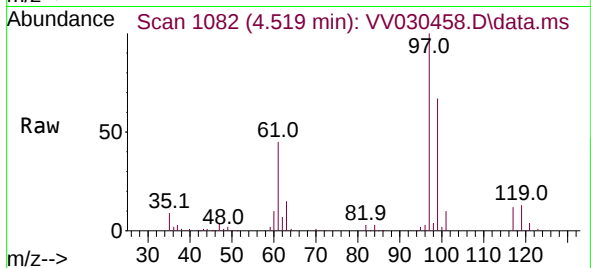
Tgt Ion: 97 Resp: 76636

Ion Ratio Lower Upper

97 100

99 66.1 50.9 76.3

61 45.2 35.9 53.9



#30

Cyclohexane

Concen: 4.216 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.003 min

Lab File: VV030458.D

Acq: 10 Apr 2023 10:27

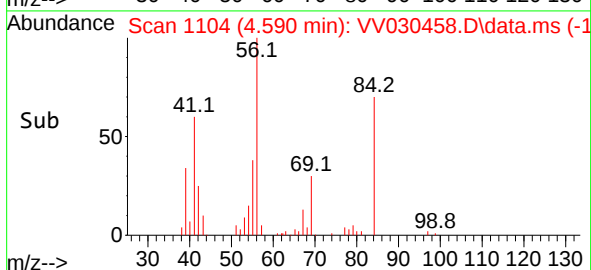
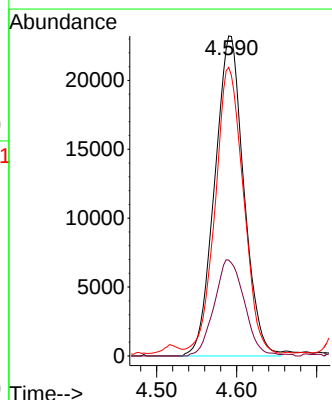
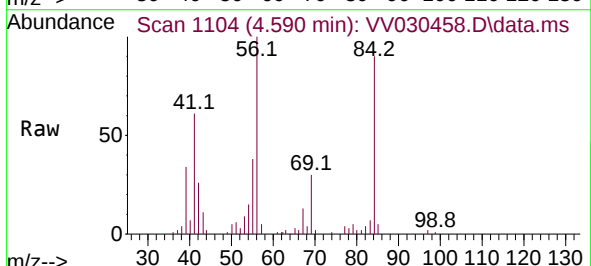
Tgt Ion: 56 Resp: 58608

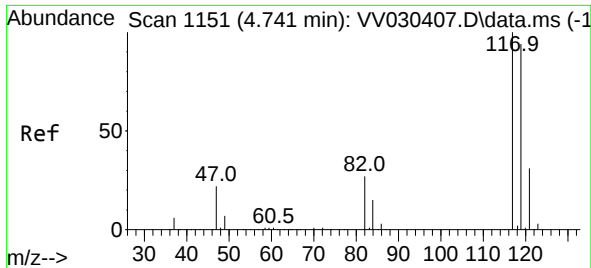
Ion Ratio Lower Upper

56 100

69 30.9 24.2 36.2

84 86.5 66.6 100.0

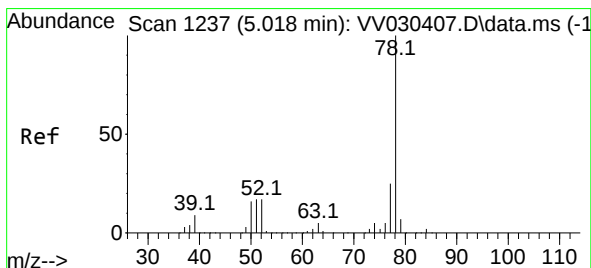
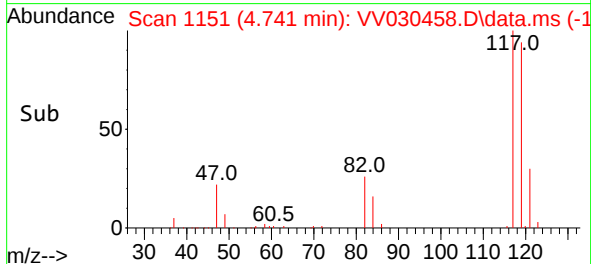
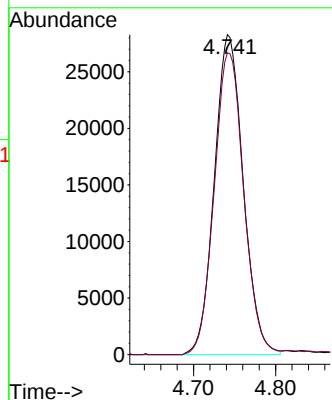
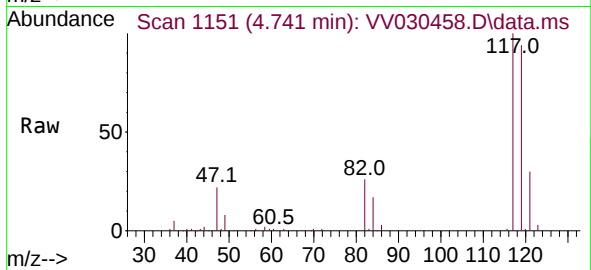




#31
Carbon tetrachloride
Concen: 5.006 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. -0.003 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

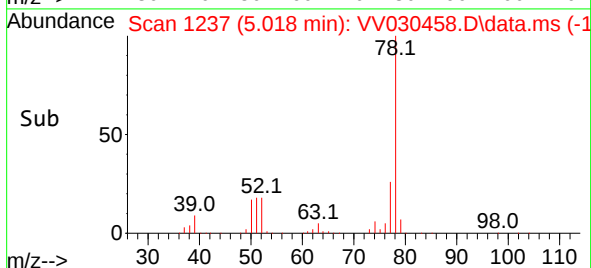
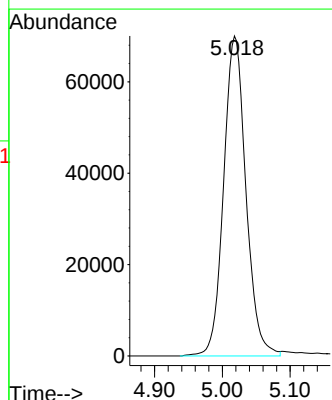
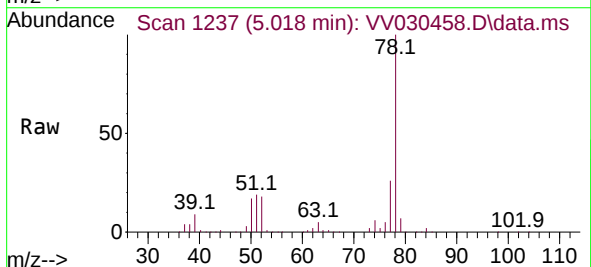
Instrument :
MSVOA_V
ClientSampleId :
VSTD005326

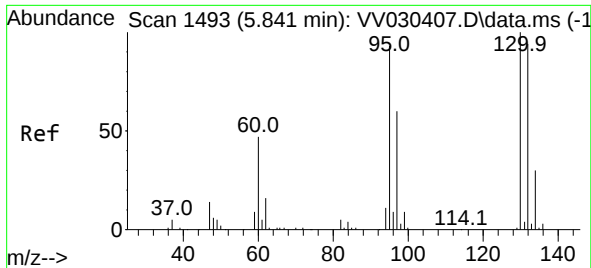
Tgt Ion:117 Resp: 69307
Ion Ratio Lower Upper
117 100
119 96.4 76.2 114.4



#33
Benzene
Concen: 4.750 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

Tgt Ion: 78 Resp: 160169



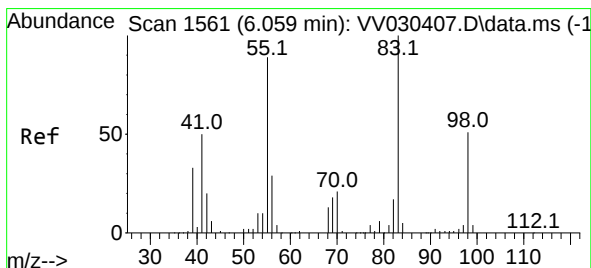
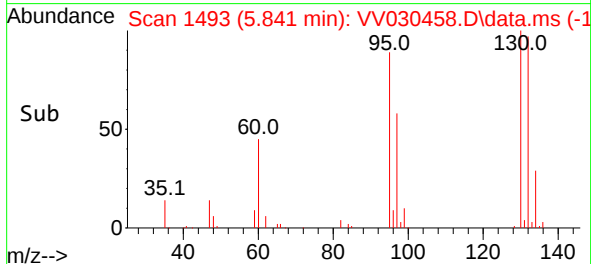
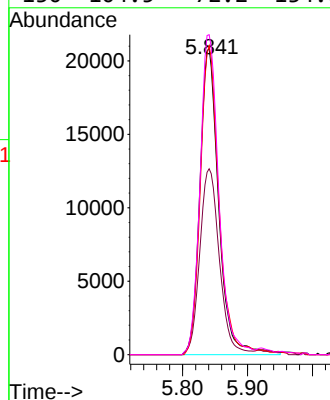
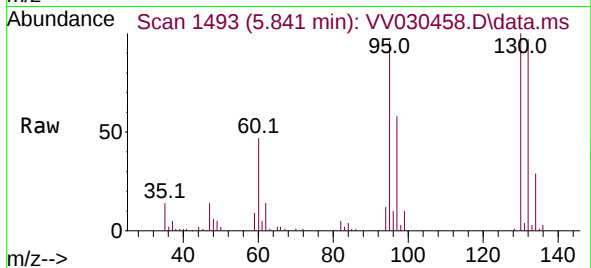


#34
Trichloroethene
Concen: 4.613 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD005326

Tgt Ion: 95 Resp: 41951

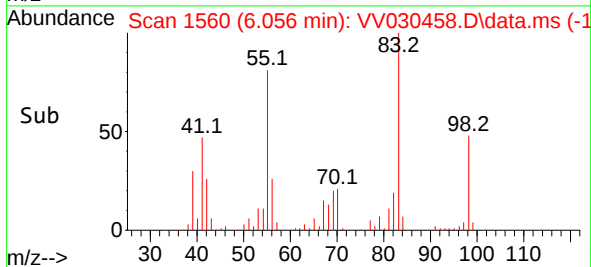
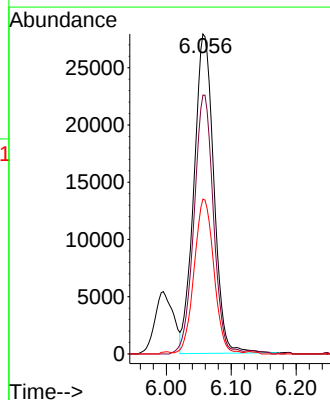
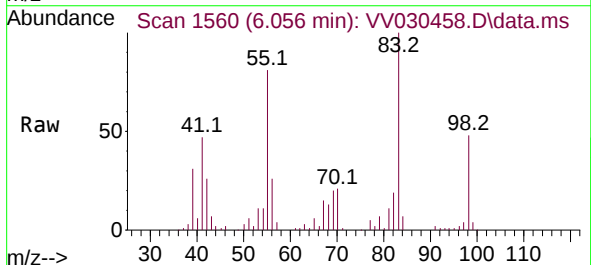
Ion	Ratio	Lower	Upper
95	100		
97	60.7	44.2	82.2
132	100.9	69.5	129.1
130	104.5	72.2	134.0

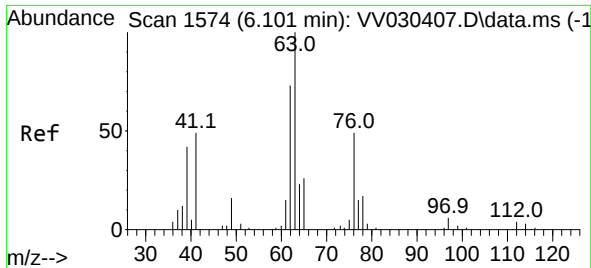


#35
Methylcyclohexane
Concen: 4.160 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.003 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

Tgt Ion: 83 Resp: 59385

Ion	Ratio	Lower	Upper
83	100		
55	79.2	66.6	100.0
98	47.1	38.6	58.0





#37

1,2-Dichloropropane

Concen: 4.876 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV030458.D

Acq: 10 Apr 2023 10:27

Instrument :

MSVOA_V

ClientSampleId :

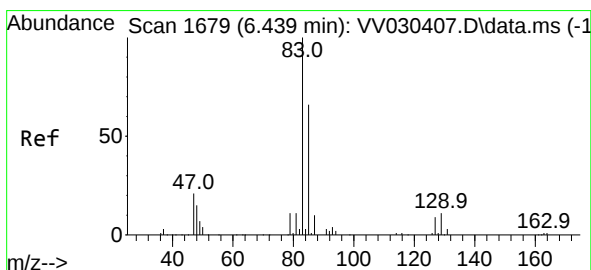
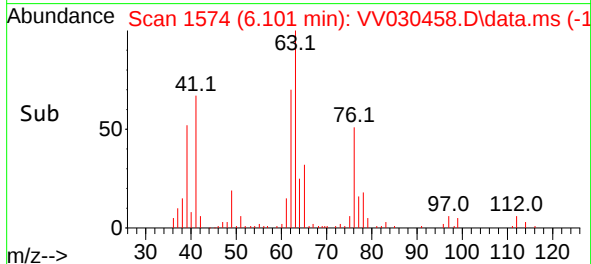
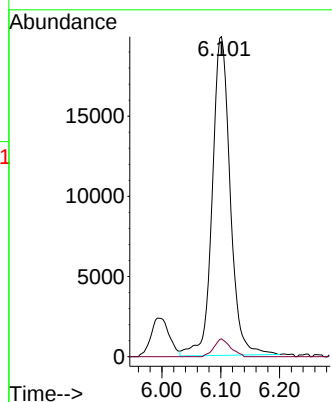
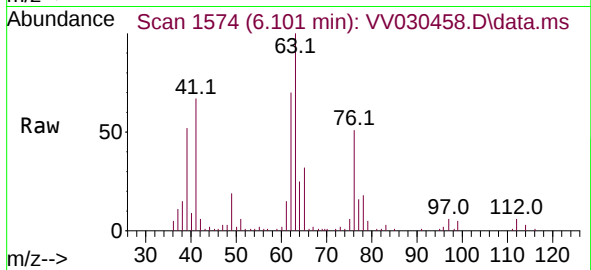
VSTD005326

Tgt Ion: 63 Resp: 42210

Ion Ratio Lower Upper

63 100

112 5.1 3.9 5.9



#38

Bromodichloromethane

Concen: 5.101 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV030458.D

Acq: 10 Apr 2023 10:27

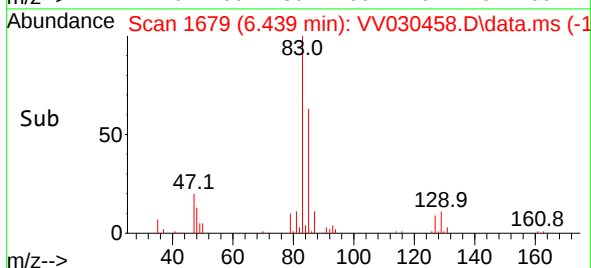
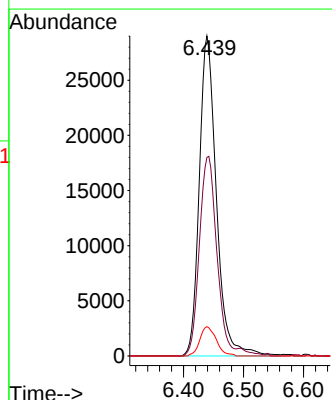
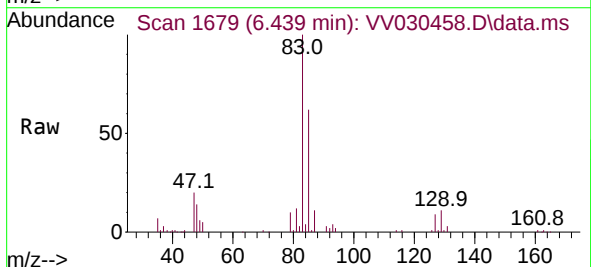
Tgt Ion: 83 Resp: 57826

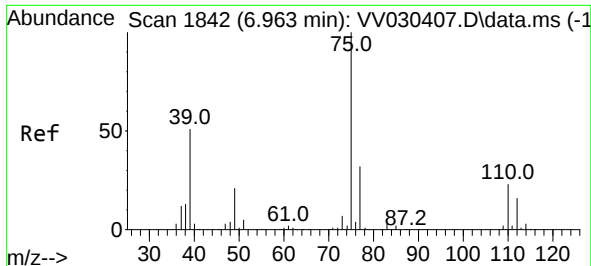
Ion Ratio Lower Upper

83 100

85 62.0 45.3 84.1

127 9.1 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 3.778 ug/L

RT: 6.960 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VV030458.D

Acq: 10 Apr 2023 10:27

Instrument :

MSVOA_V

ClientSampleId :

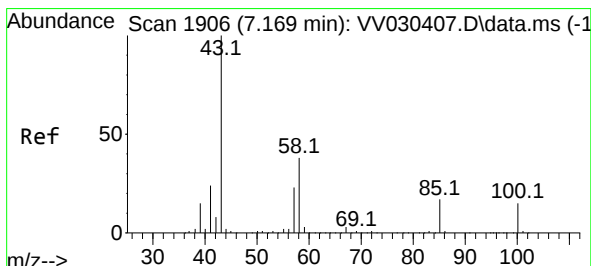
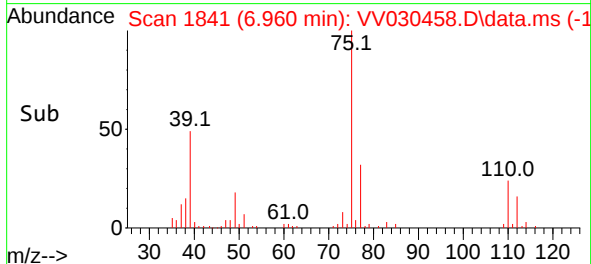
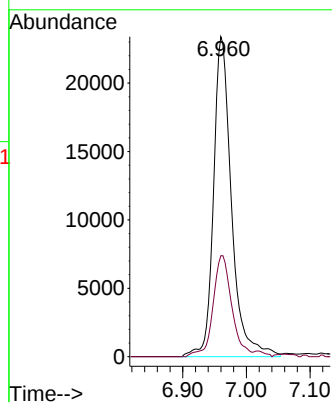
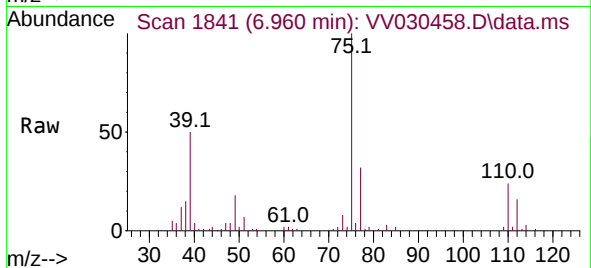
VSTD005326

Tgt Ion: 75 Resp: 45991

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 46.148 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VV030458.D

Acq: 10 Apr 2023 10:27

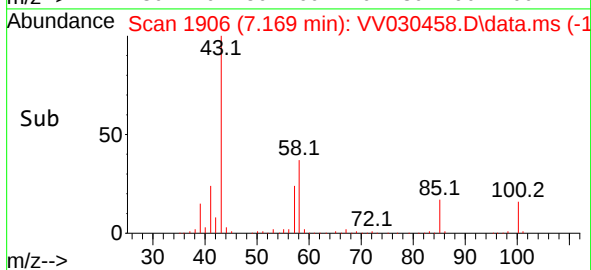
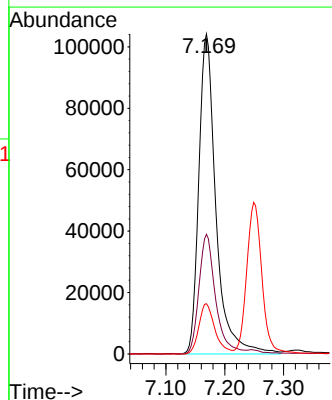
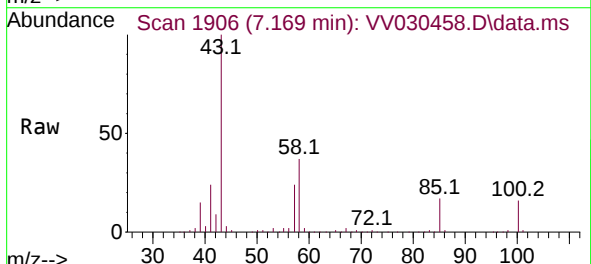
Tgt Ion: 43 Resp: 210500

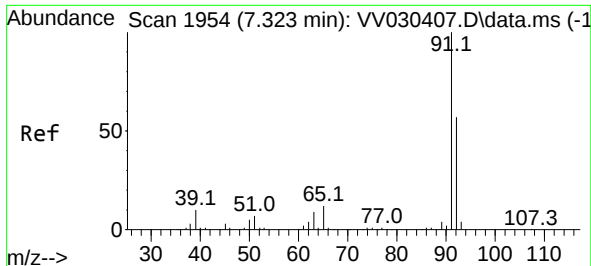
Ion Ratio Lower Upper

43 100

58 36.3 28.8 43.2

100 14.8 10.7 16.1

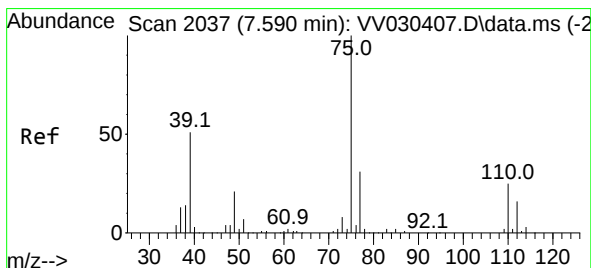
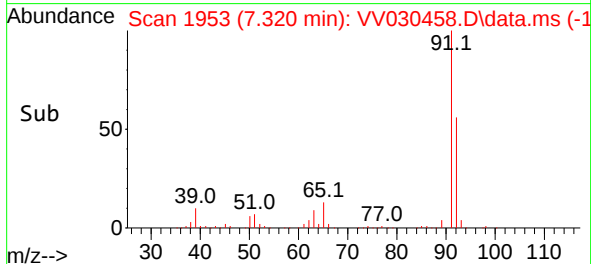
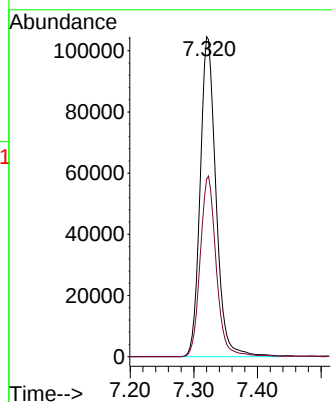
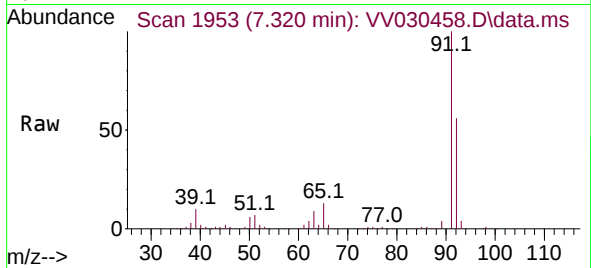




#42
Toluene
Concen: 5.036 ug/L
RT: 7.320 min Scan# 1954
Delta R.T. -0.003 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

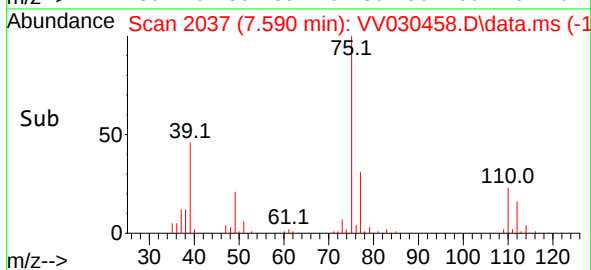
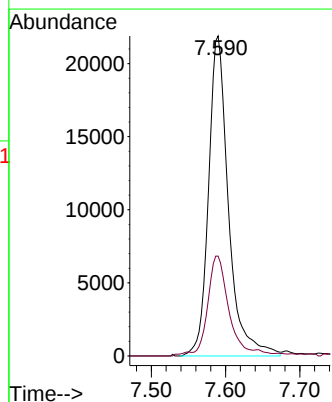
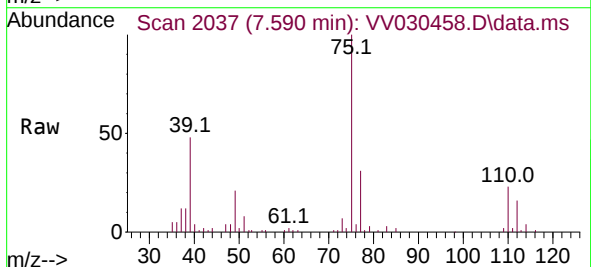
Instrument :
MSVOA_V
ClientSampleId :
VSTD005326

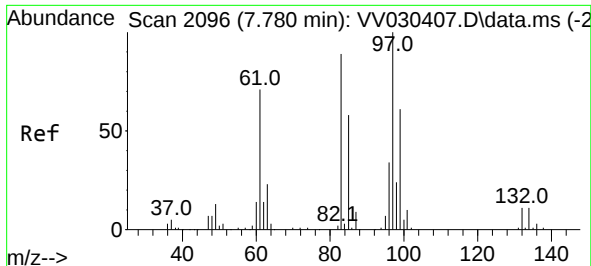
Tgt Ion: 91 Resp: 180847
Ion Ratio Lower Upper
91 100
92 55.5 40.4 75.0



#44
trans-1,3-Dichloropropene
Concen: 3.937 ug/L
RT: 7.590 min Scan# 2037
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

Tgt Ion: 75 Resp: 40774
Ion Ratio Lower Upper
75 100
77 31.2 21.2 39.4

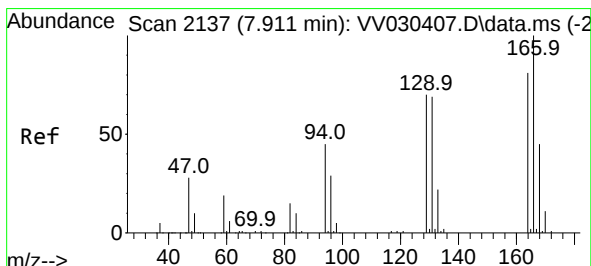
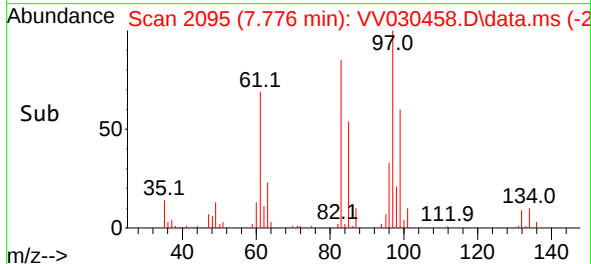
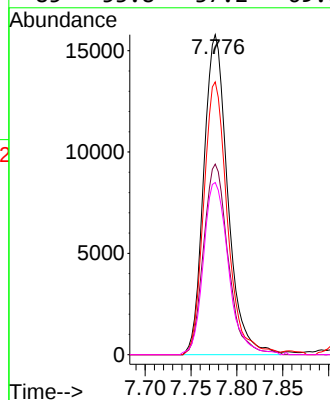
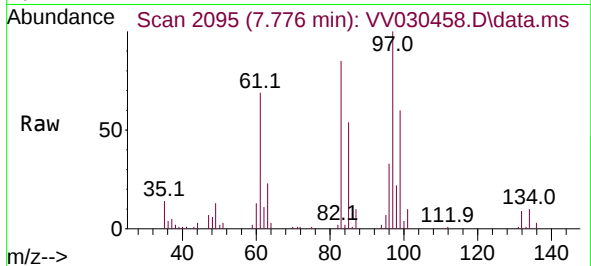




#45
1,1,2-Trichloroethane
Concen: 4.727 ug/L
RT: 7.776 min Scan# 2096
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

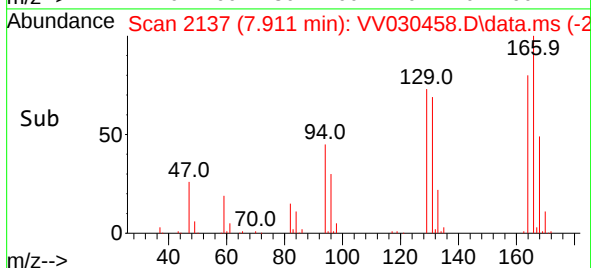
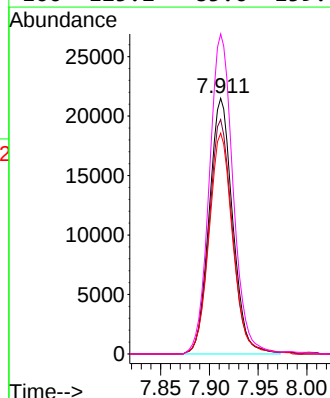
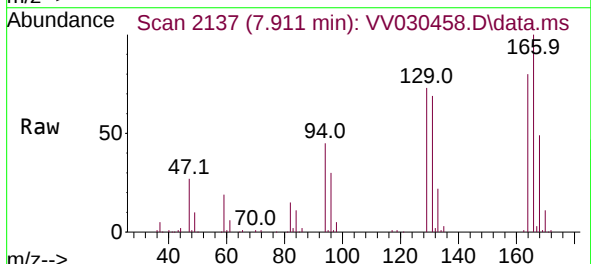
Instrument :
MSVOA_V
ClientSampleId :
VSTD005326

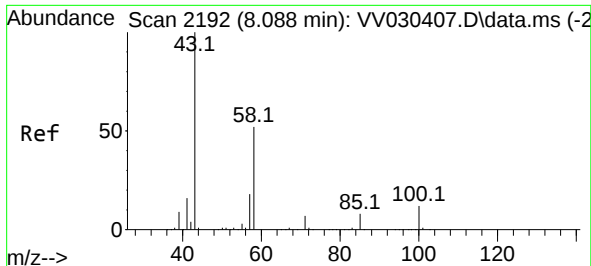
Tgt Ion: 97	Resp: 28811
Ion Ratio	Lower Upper
97 100	
99 59.6	44.0 81.8
83 85.3	58.8 109.2
85 53.8	37.2 69.0



#47
Tetrachloroethene
Concen: 4.501 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

Tgt	Ion:164	Resp:	36127
Ion	Ratio	Lower	Upper
164	100		
129	91.7	60.8	112.8
131	86.4	61.7	114.7
166	125.2	85.6	159.0

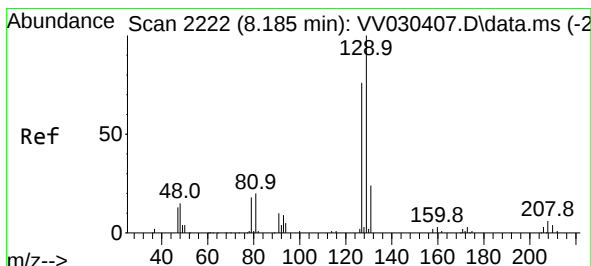
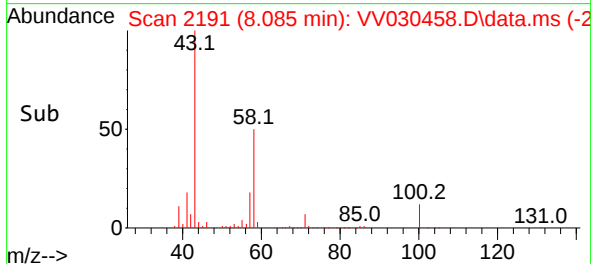
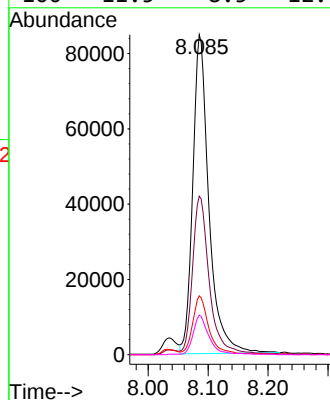
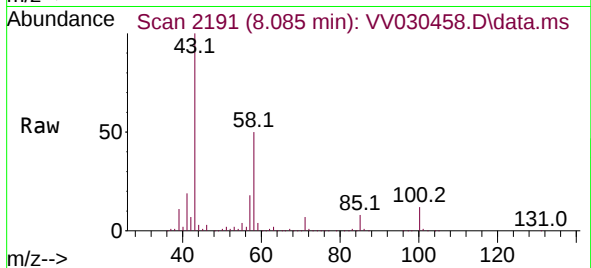




#48
2-Hexanone
Concen: 46.523 ug/L
RT: 8.085 min Scan# 2192
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

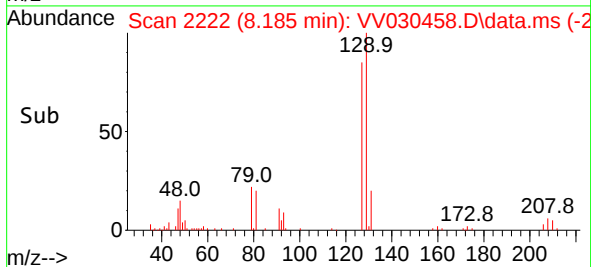
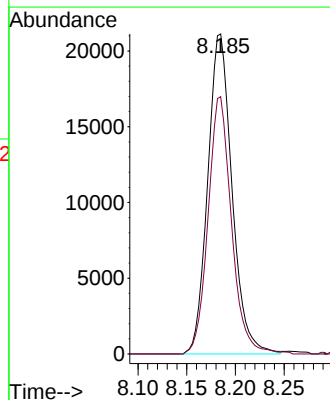
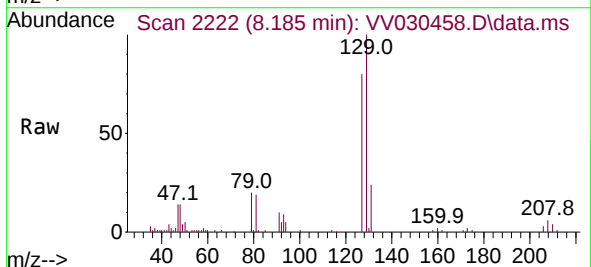
Instrument :
MSVOA_V
ClientSampleId :
VSTD005326

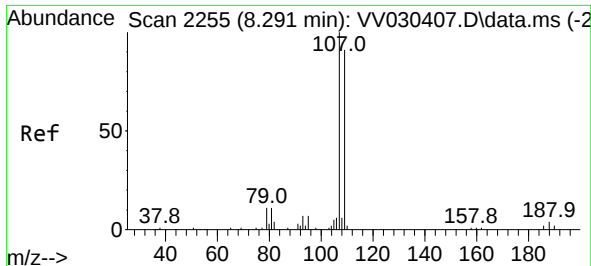
Tgt Ion: 43 Resp: 158931
Ion Ratio Lower Upper
43 100
58 50.3 40.3 60.5
57 18.1 14.6 22.0
100 11.5 8.5 12.7



#49
Dibromochloromethane
Concen: 5.051 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

Tgt Ion: 129 Resp: 36645
Ion Ratio Lower Upper
129 100
127 80.4 52.7 97.9





#50

1,2-Dibromoethane

Concen: 4.712 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV030458.D

Acq: 10 Apr 2023 10:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD005326

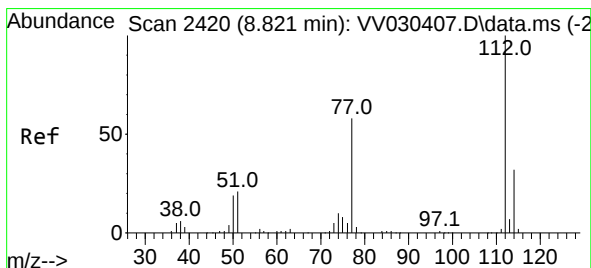
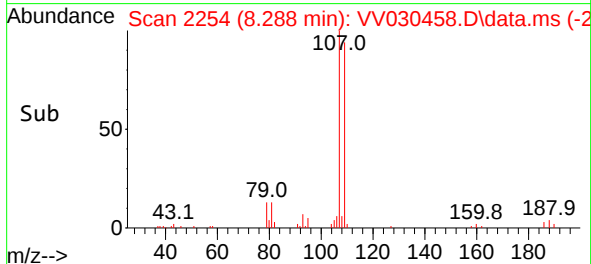
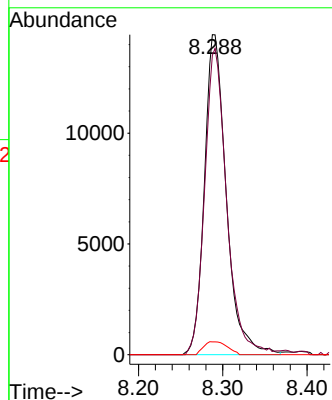
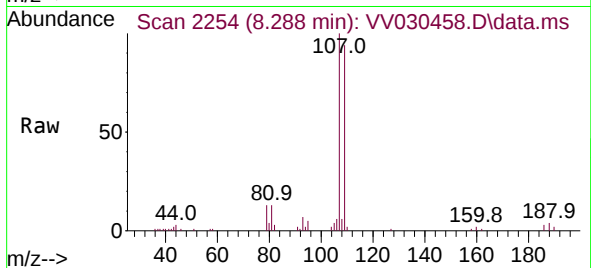
Tgt Ion:107 Resp: 26130

Ion Ratio Lower Upper

107 100

109 93.6 62.9 116.9

188 4.0 3.0 4.6



#51

Chlorobenzene

Concen: 4.726 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030458.D

Acq: 10 Apr 2023 10:27

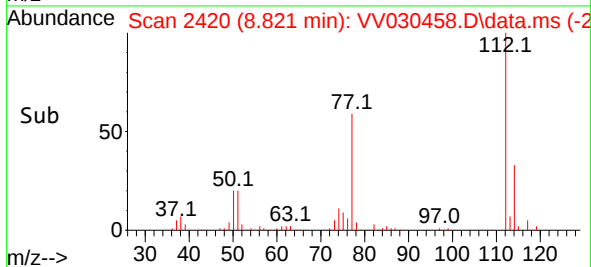
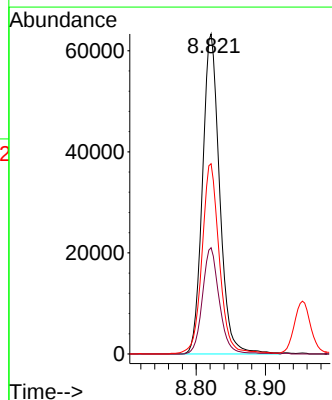
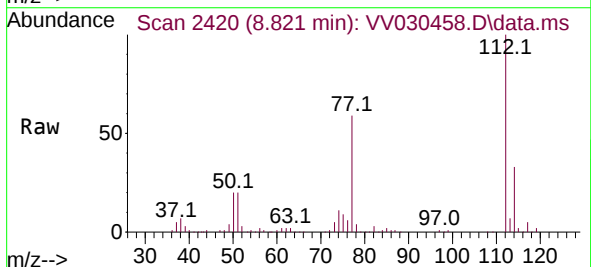
Tgt Ion:112 Resp: 108670

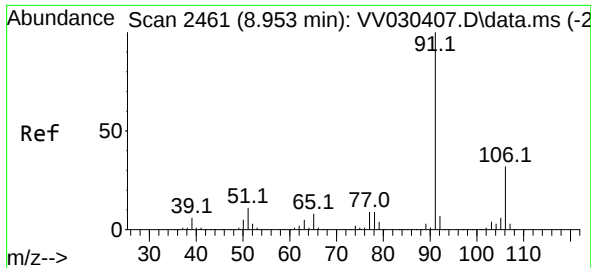
Ion Ratio Lower Upper

112 100

114 33.2 22.4 41.6

77 59.4 45.9 68.9

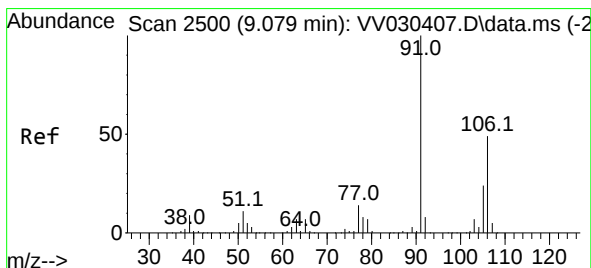
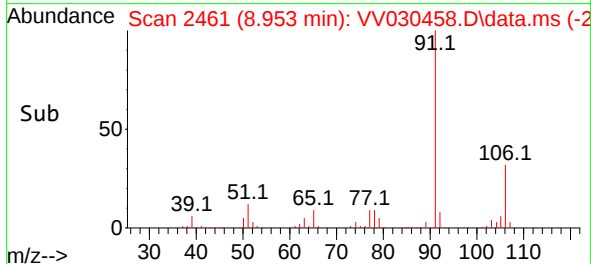
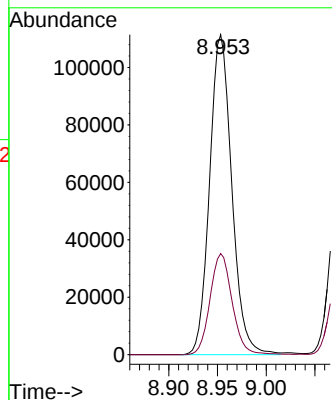
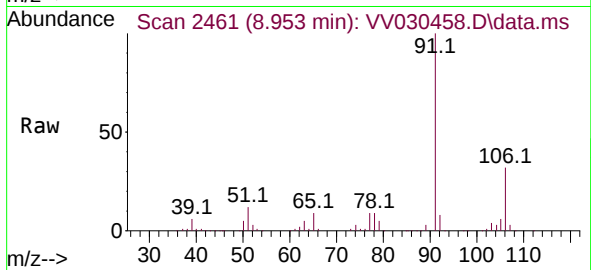




#52
Ethylbenzene
Concen: 4.498 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

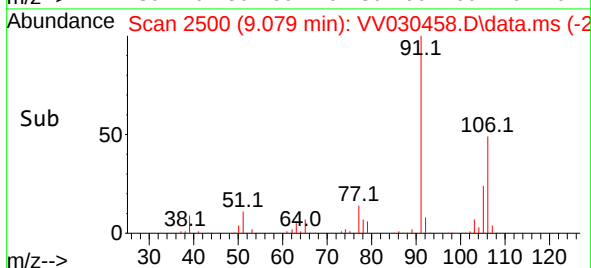
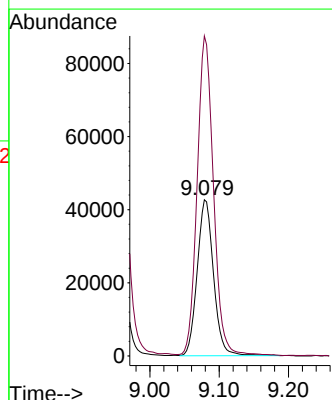
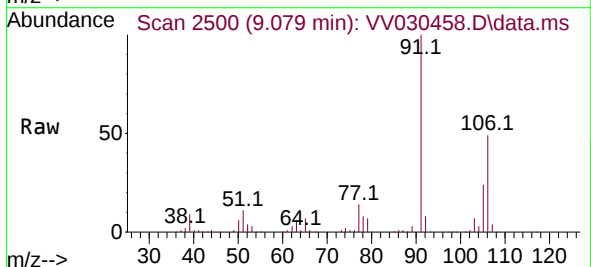
Instrument :
MSVOA_V
ClientSampleId :
VSTD005326

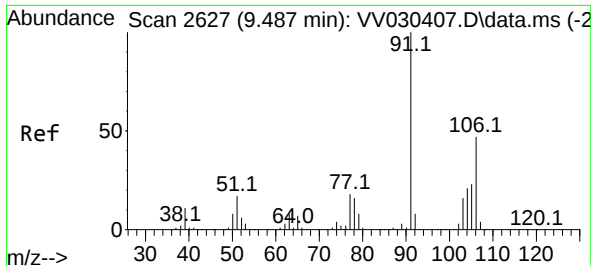
Tgt Ion: 91 Resp: 176740
Ion Ratio Lower Upper
91 100
106 31.6 22.2 41.2



#53
m,p-Xylene
Concen: 4.658 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

Tgt Ion: 106 Resp: 70067
Ion Ratio Lower Upper
106 100
91 205.0 142.4 264.4

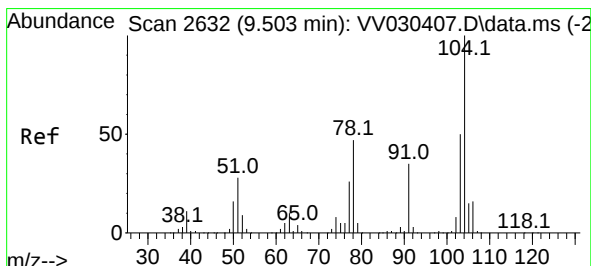
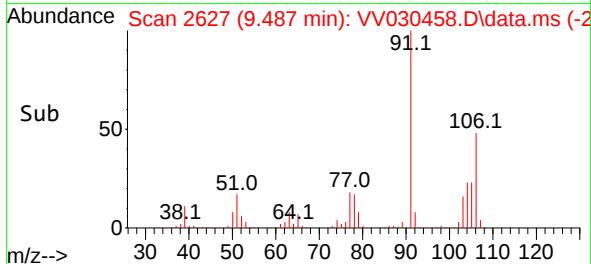
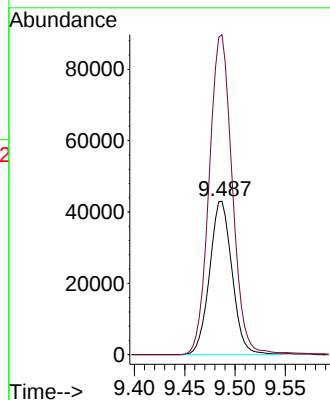
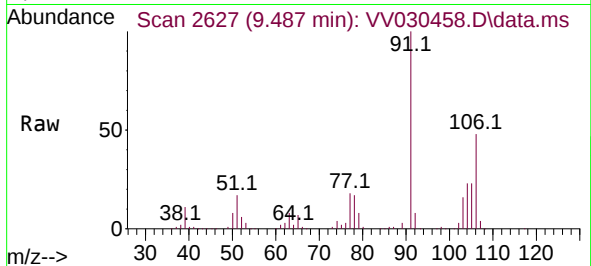




#54
o-Xylene
Concen: 4.651 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

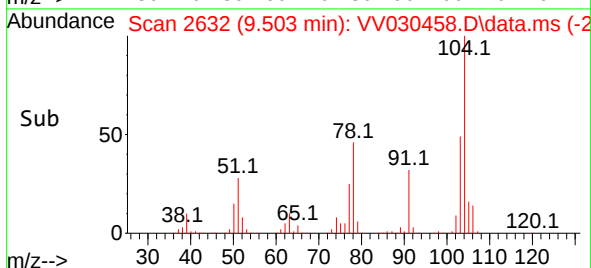
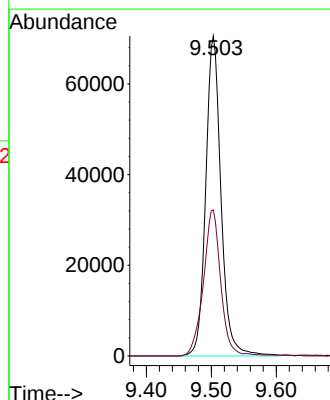
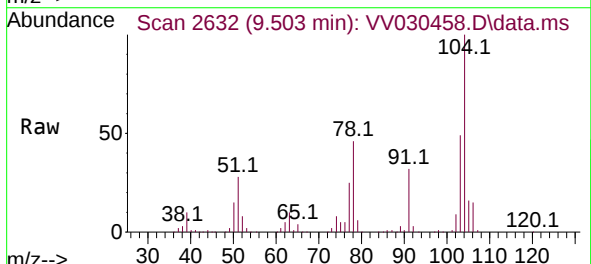
Instrument :
MSVOA_V
ClientSampleId :
VSTD005326

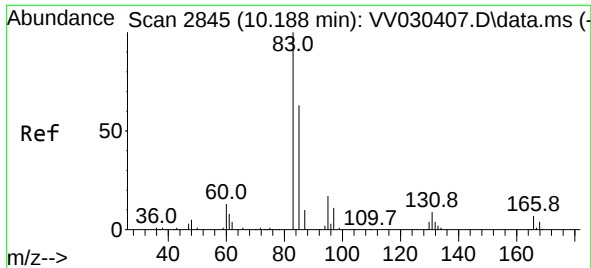
Tgt Ion:106 Resp: 66936
Ion Ratio Lower Upper
106 100
91 208.5 149.8 278.2



#55
Styrene
Concen: 4.739 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

Tgt Ion:104 Resp: 115850
Ion Ratio Lower Upper
104 100
78 45.6 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 4.490 ug/L

RT: 10.185 min Scan# 2845

Delta R.T. -0.003 min

Lab File: VV030458.D

Acq: 10 Apr 2023 10:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD005326

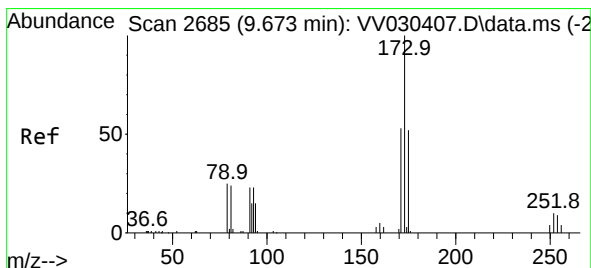
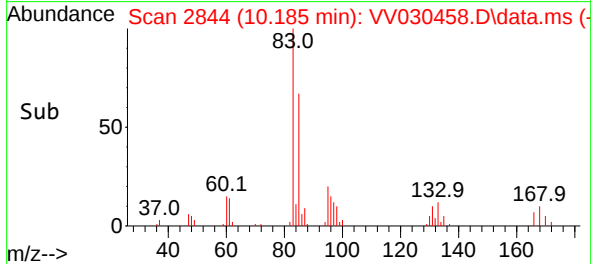
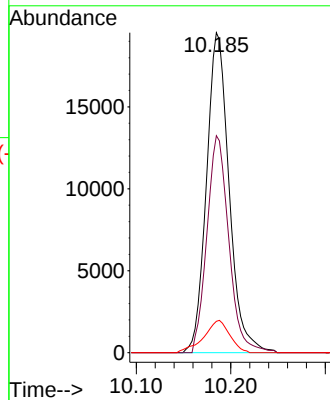
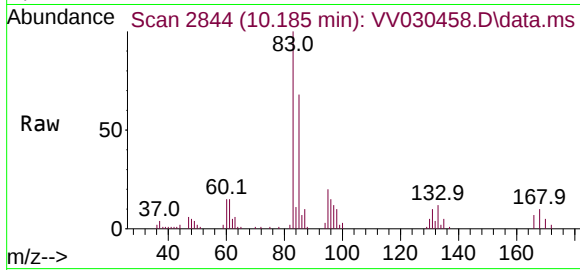
Tgt Ion: 83 Resp: 32481

Ion Ratio Lower Upper

83 100

85 67.8 45.3 84.1

131 9.8 8.2 12.4



#59

Bromoform

Concen: 4.850 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. 0.000 min

Lab File: VV030458.D

Acq: 10 Apr 2023 10:27

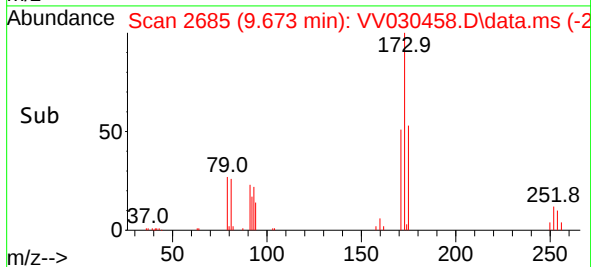
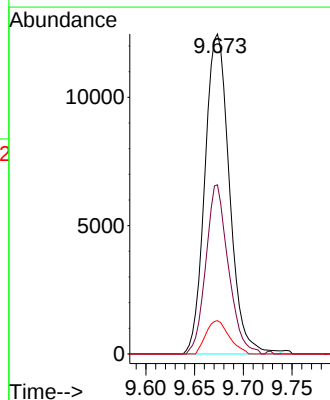
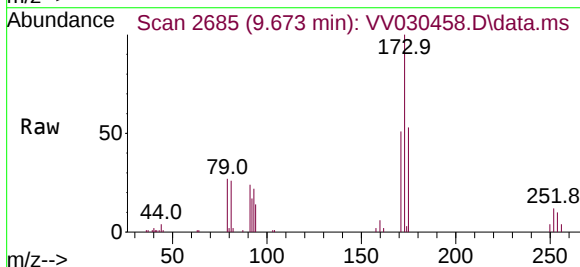
Tgt Ion:173 Resp: 21858

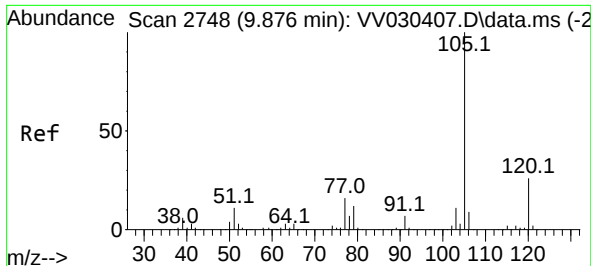
Ion Ratio Lower Upper

173 100

175 48.5 39.0 58.4

254 9.8 8.2 12.4

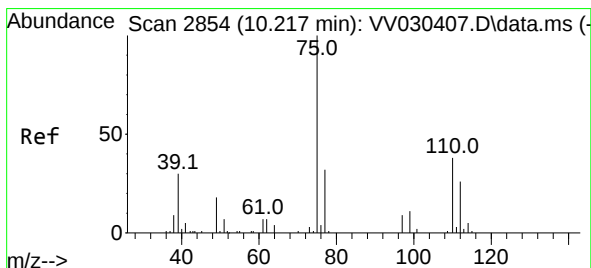
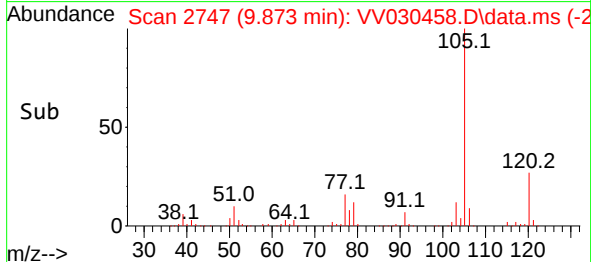
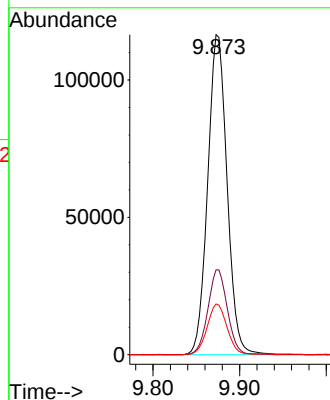
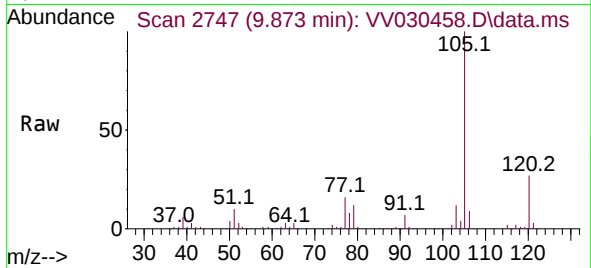




#60
Isopropylbenzene
Concen: 4.402 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

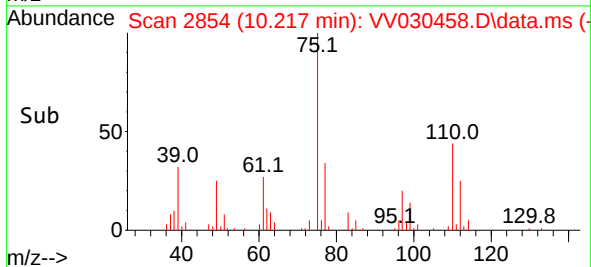
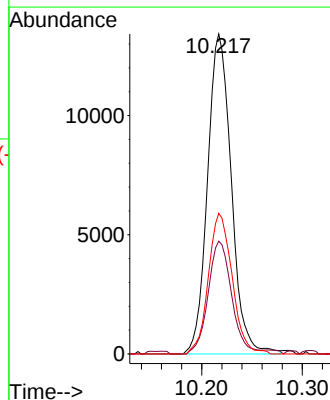
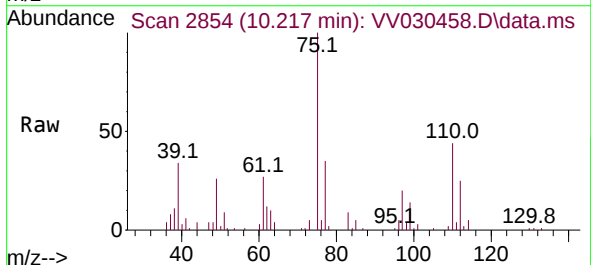
Instrument :
MSVOA_V
ClientSampleId :
VSTD005326

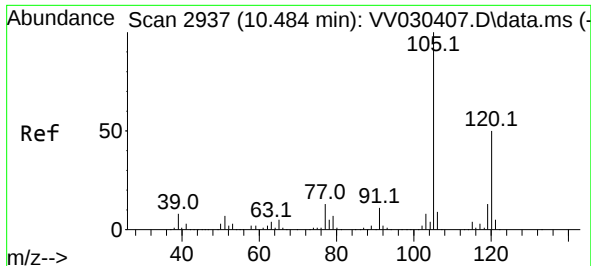
Tgt Ion:105 Resp: 181034
Ion Ratio Lower Upper
105 100
120 26.7 21.1 31.7
77 16.3 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 4.427 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

Tgt Ion: 75 Resp: 22070
Ion Ratio Lower Upper
75 100
77 34.7 26.0 39.0
110 43.9 31.6 47.4





#62

1,3,5-Trimethylbenzene

Concen: 4.385 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV030458.D

Acq: 10 Apr 2023 10:27

Instrument :

MSVOA_V

ClientSampleId :

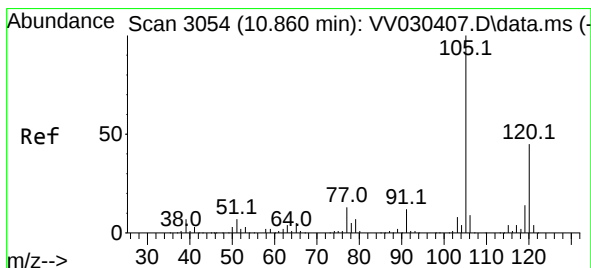
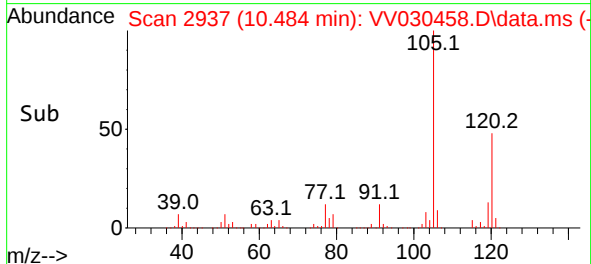
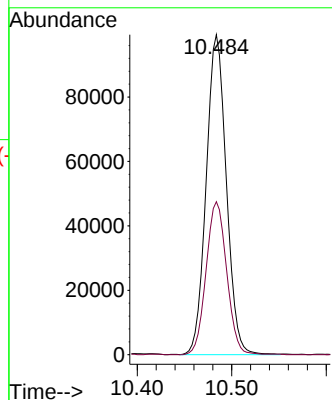
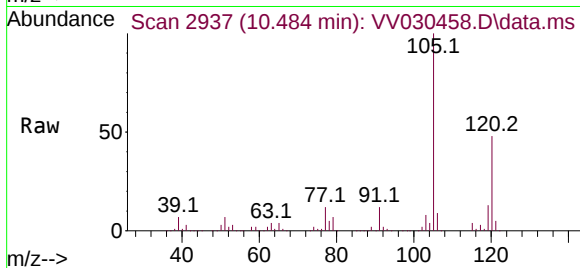
VSTD005326

Tgt Ion:105 Resp: 147136

Ion Ratio Lower Upper

105 100

120 48.8 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 4.430 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030458.D

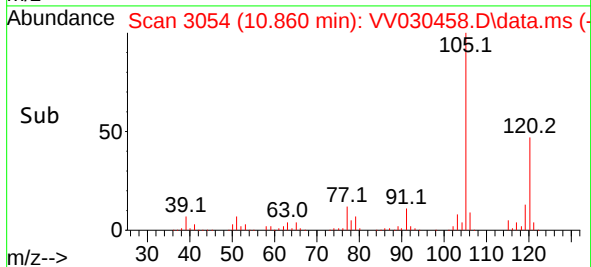
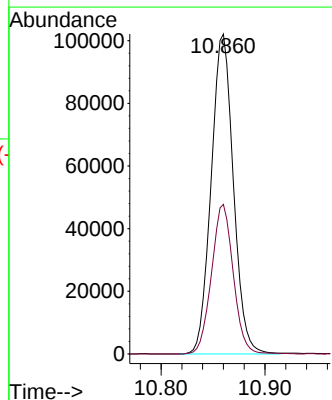
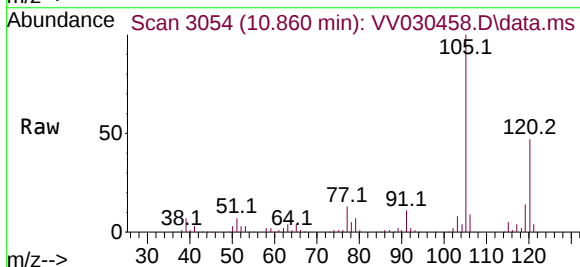
Acq: 10 Apr 2023 10:27

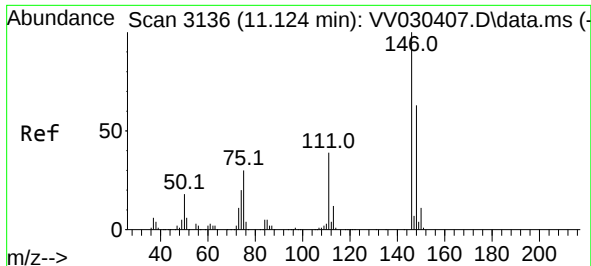
Tgt Ion:105 Resp: 151486

Ion Ratio Lower Upper

105 100

120 45.8 36.8 55.2

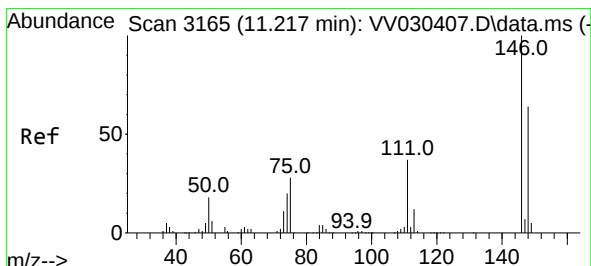
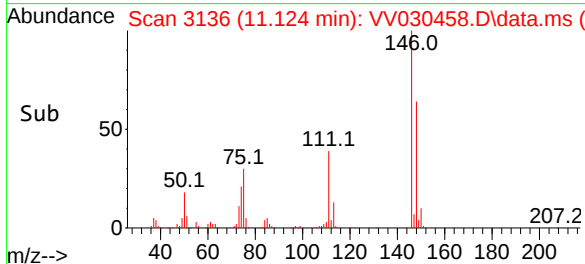
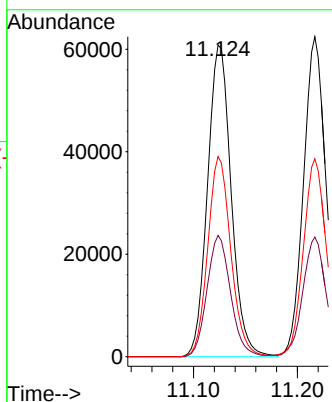
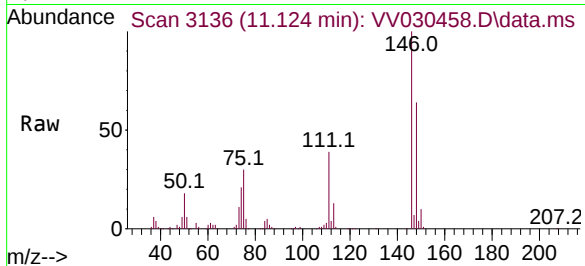




#64
1,3-Dichlorobenzene
Concen: 4.692 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

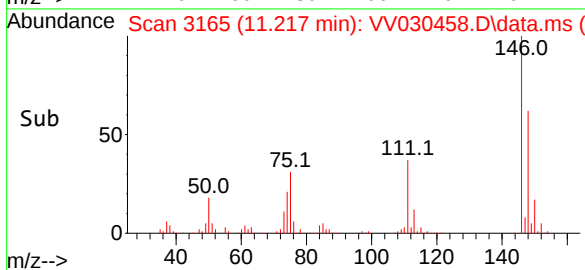
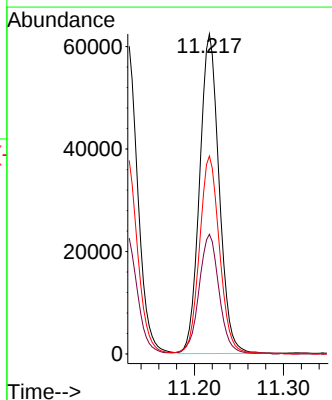
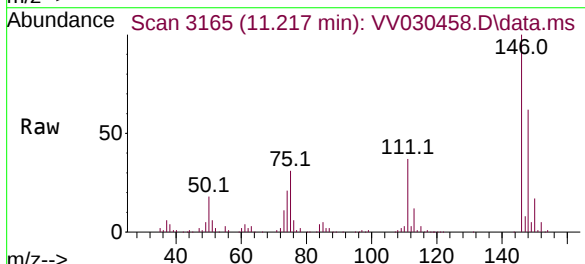
Instrument :
MSVOA_V
ClientSampleId :
VSTD005326

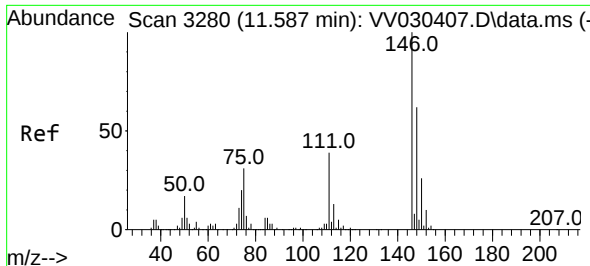
Tgt Ion:146 Resp: 96207
Ion Ratio Lower Upper
146 100
111 38.9 27.0 50.2
148 64.2 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 4.584 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

Tgt Ion:146 Resp: 94692
Ion Ratio Lower Upper
146 100
111 37.4 26.0 48.4
148 61.9 45.2 84.0

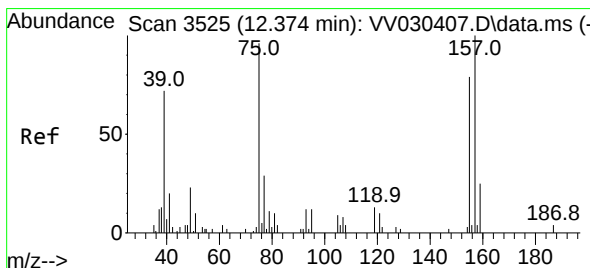
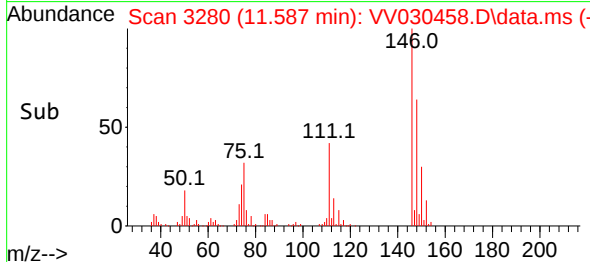
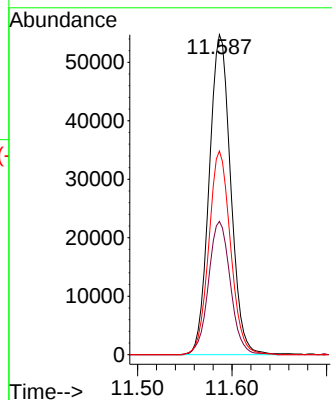
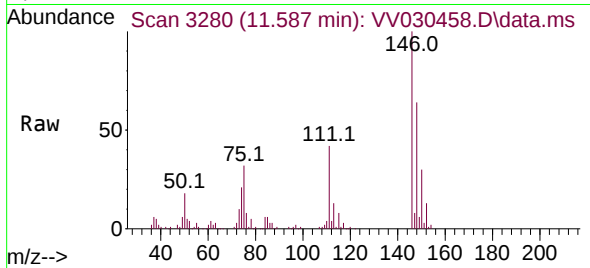




#67
1,2-Dichlorobenzene
Concen: 4.680 ug/L
RT: 11.587 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

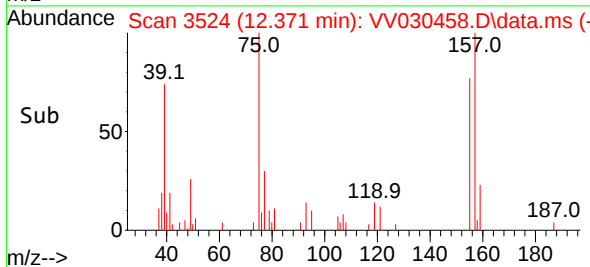
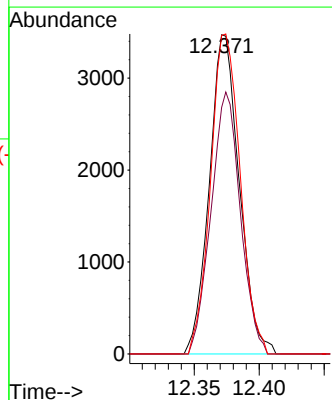
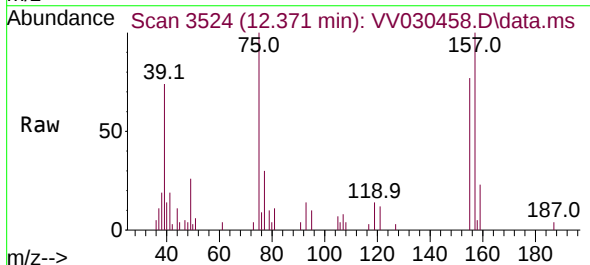
Instrument :
MSVOA_V
ClientSampleId :
VSTD005326

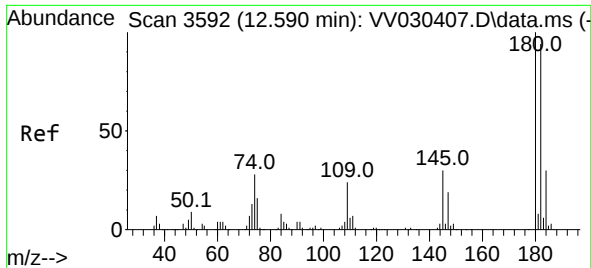
Tgt Ion:146 Resp: 86485
Ion Ratio Lower Upper
146 100
111 41.6 33.1 49.7
148 63.6 52.2 78.2



#68
1,2-Dibromo-3-chloropropane
Concen: 4.484 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

Tgt Ion: 75 Resp: 5560
Ion Ratio Lower Upper
75 100
155 77.2 64.6 96.8
157 99.8 83.8 125.6

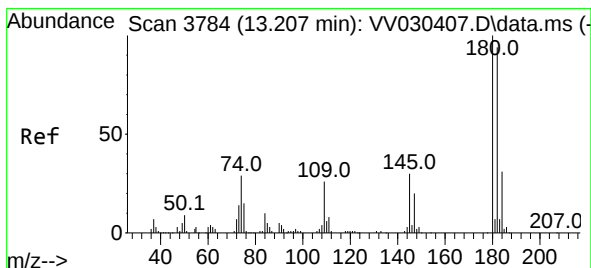
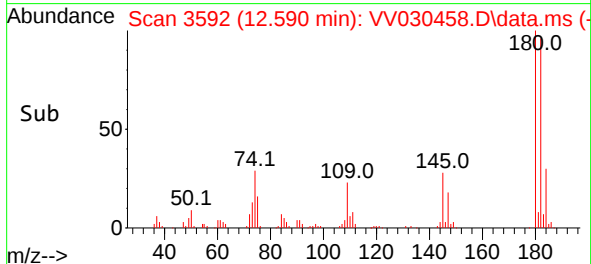
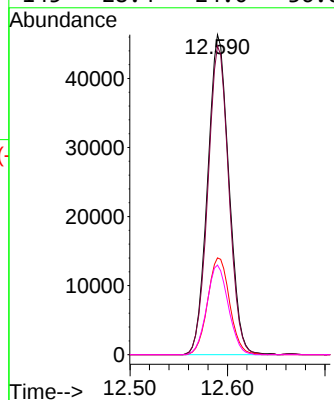
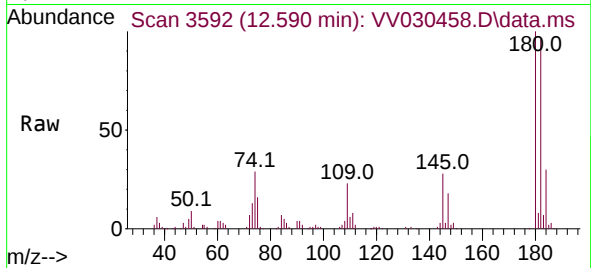




#69
 1,3,5-Trichlorobenzene
 Concen: 4.448 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. -0.003 min
 Lab File: VV030458.D
 Acq: 10 Apr 2023 10:27

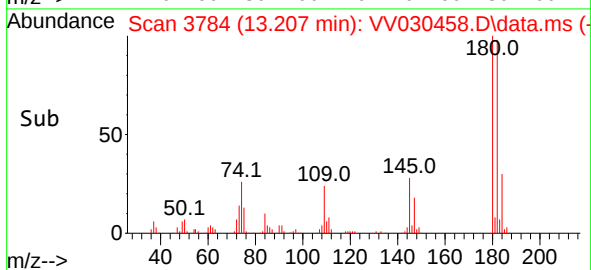
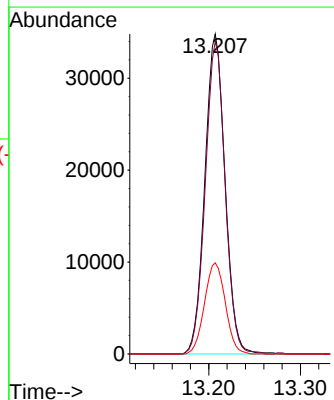
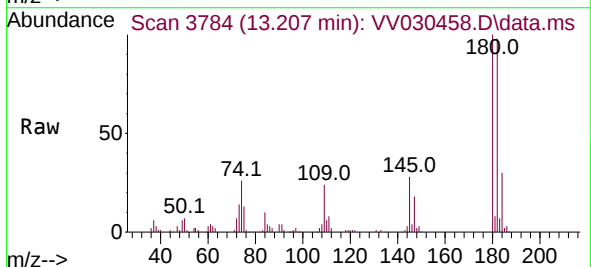
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005326

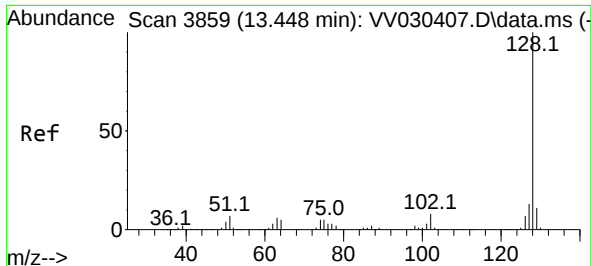
Tgt Ion:180	Resp:	70236
Ion Ratio	Lower	Upper
180	100	
182	95.0	76.5 114.7
184	31.3	24.0 36.0
145	28.4	24.0 36.0



#70
 1,2,4-trichlorobenzene
 Concen: 4.362 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.000 min
 Lab File: VV030458.D
 Acq: 10 Apr 2023 10:27

Tgt Ion:180	Resp:	53175
Ion Ratio	Lower	Upper
180	100	
182	96.0	75.3 112.9
145	29.3	23.8 35.6



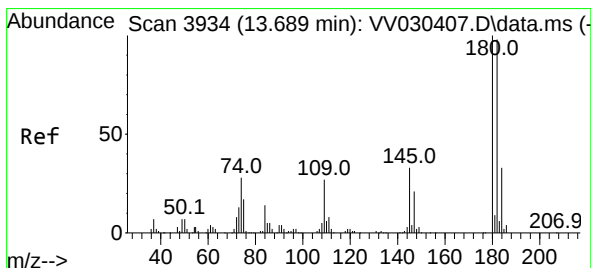
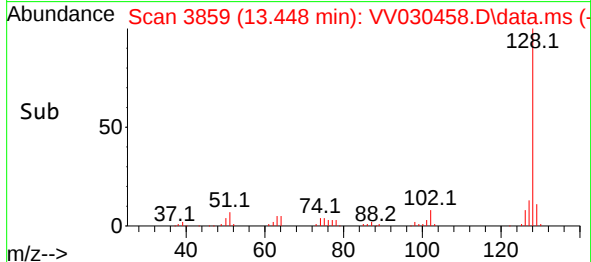
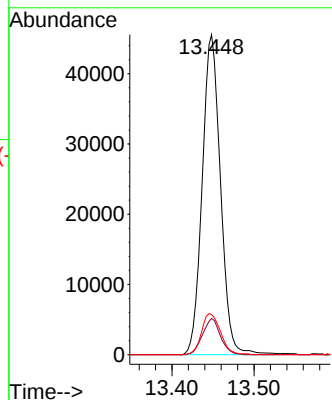
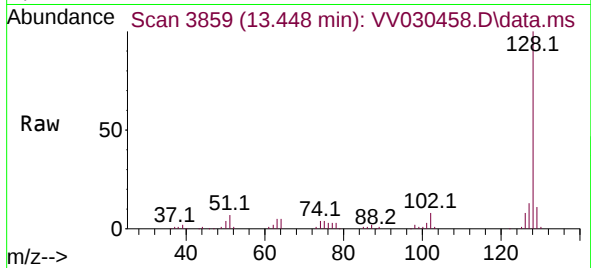


#71
Naphthalene

Concen: 4.053 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD005326

Tgt Ion:128 Resp: 70557
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.3 10.8 16.2



#72
1,2,3-Trichlorobenzene
Concen: 4.343 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.000 min
Lab File: VV030458.D
Acq: 10 Apr 2023 10:27

Tgt Ion:180 Resp: 45862
Ion Ratio Lower Upper
180 100
182 94.7 76.6 115.0
145 32.1 25.0 37.4

