

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100923\
 Data File : VW032340.D
 Acq On : 09 Oct 2023 19:48
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 10 04:53:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 07 05:00:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	106586	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	117267	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	61680	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	51499	5.941	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.800%
7) Chloroethane-d5	1.535	69	39292	5.584	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.600%
11) 1,1-Dichloroethene-d2	2.063	65	18864	5.160	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.200%
20) 2-Butanone-d5	3.815	46	104397	47.608	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.220%
24) Chloroform-d	4.259	84	80835	5.286	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.800%
26) 1,2-Dichloroethane-d4	4.950	65	37045	5.114	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.200%
32) Benzene-d6	4.966	84	155143	4.496	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
36) 1,2-Dichloropropane-d6	5.995	67	48484	4.241	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.800%
41) Toluene-d8	7.246	98	159502	5.055	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
43) trans-1,3-Dichloroprop...	7.558	79	18451	4.554	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.030	63	94509	49.583	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.160%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	39185	4.900	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.000%
66) 1,2-Dichlorobenzene-d4	11.564	152	55433	4.843	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	65129	5.483	ug/L	98
3) Chloromethane	1.217	50	64720	5.405	ug/L	99
5) Vinyl chloride	1.285	62	62586	5.480	ug/L	99
6) Bromomethane	1.490	94	35158	5.096	ug/L	99
8) Chloroethane	1.551	64	38419	5.588	ug/L	100
9) Trichlorofluoromethane	1.715	101	76200	5.564	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	45784	5.517	ug/L	97
12) 1,1-Dichloroethene	2.072	96	42836	5.480	ug/L	95
13) Acetone	2.143	43	75504	44.673	ug/L	99
14) Carbon disulfide	2.243	76	130622	4.780	ug/L	98
15) Methyl Acetate	2.391	43	18766	4.932	ug/L	94
16) Methylene chloride	2.452	84	50596	4.965	ug/L	98
17) Methyl tert-butyl Ether	2.709	73	104404	4.906	ug/L	99
18) trans-1,2-Dichloroethene	2.699	96	45343	5.064	ug/L	96
19) 1,1-Dichloroethane	3.117	63	87681	5.206	ug/L	99
21) 2-Butanone	3.895	43	126504	47.863	ug/L	99
22) cis-1,2-Dichloroethene	3.821	96	48391	5.019	ug/L	96
23) Bromochloromethane	4.156	128	21613	5.329	ug/L	95
25) Chloroform	4.281	83	87341	5.285	ug/L	99

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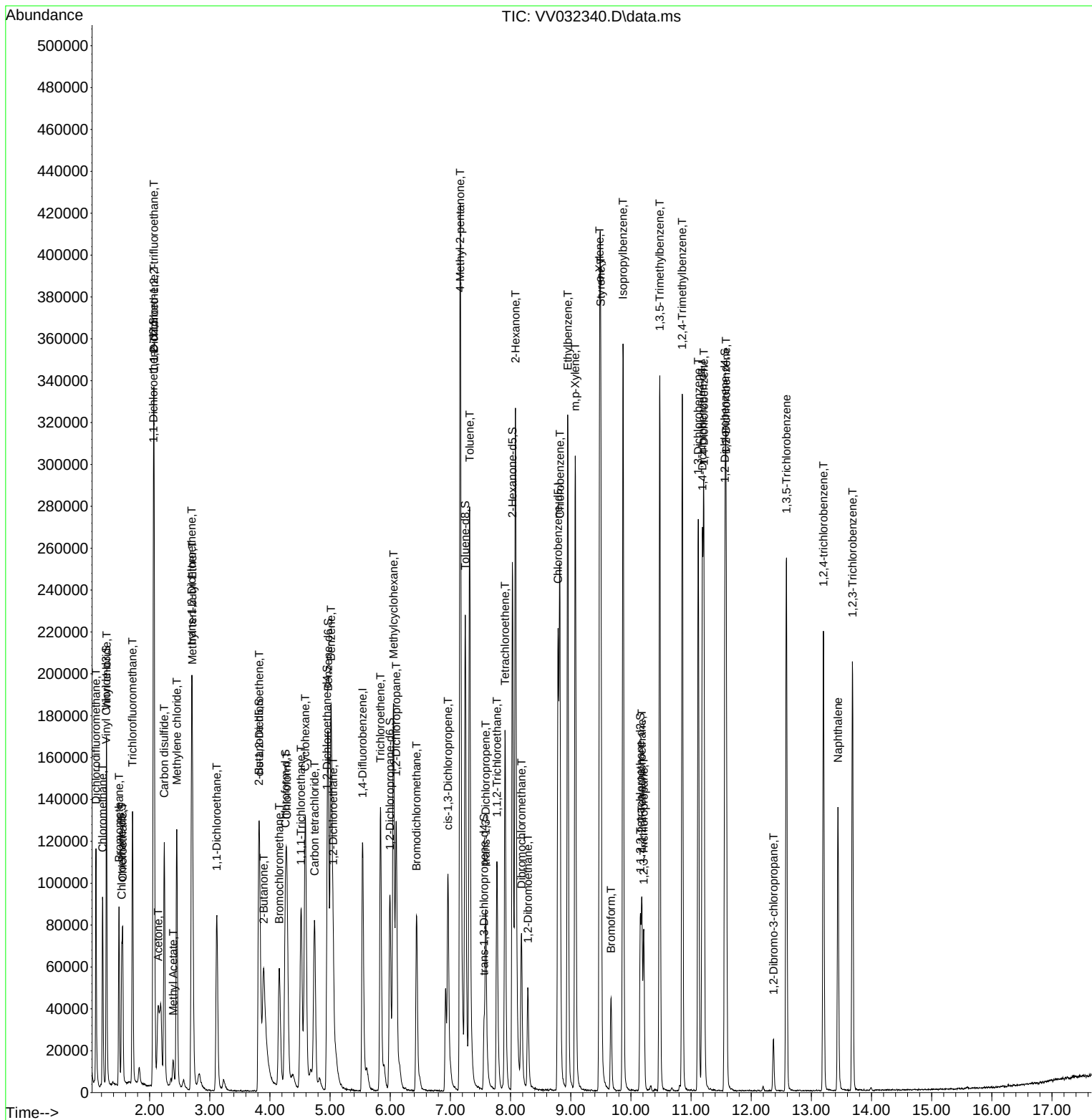
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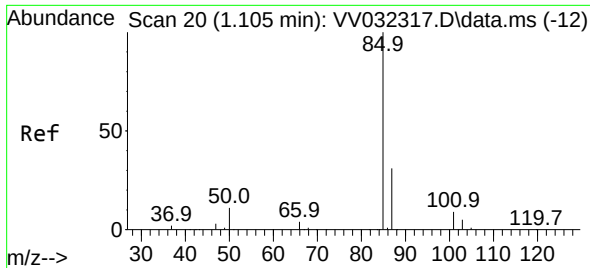
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	50411	5.163	ug/L	99
29) 1,1,1-Trichloroethane	4.516	97	71723	4.498	ug/L	98
30) Cyclohexane	4.587	56	70985	4.052	ug/L	99
31) Carbon tetrachloride	4.741	117	61112	4.530	ug/L	100
33) Benzene	5.014	78	185475	4.492	ug/L	100
34) Trichloroethene	5.837	95	49783	4.417	ug/L	94
35) Methylcyclohexane	6.053	83	79753	4.572	ug/L	95
37) 1,2-Dichloropropane	6.098	63	48012	4.348	ug/L	99
38) Bromodichloromethane	6.436	83	63430	4.835	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	69388	4.416	ug/L	97
40) 4-Methyl-2-pentanone	7.162	43	320811	45.913	ug/L	100
42) Toluene	7.320	91	213735	4.856	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	54468	4.218	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	36875	4.734	ug/L	99
47) Tetrachloroethene	7.908	164	39432	4.613	ug/L	96
48) 2-Hexanone	8.082	43	228612	46.372	ug/L	99
49) Dibromochloromethane	8.181	129	39431	4.862	ug/L	100
50) 1,2-Dibromoethane	8.288	107	34586	4.695	ug/L	95
51) Chlorobenzene	8.818	112	133727	4.719	ug/L	99
52) Ethylbenzene	8.950	91	226664	4.625	ug/L	100
53) m,p-Xylene	9.075	106	85346	4.695	ug/L	99
54) o-Xylene	9.480	106	82820	4.729	ug/L	100
55) Styrene	9.500	104	142519	4.818	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.181	83	43810	5.112	ug/L	99
59) Bromoform	9.670	173	20295	4.525	ug/L	99
60) Isopropylbenzene	9.869	105	226316	4.721	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	30833	4.697	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	177367	4.540	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	176589	4.540	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	107257	4.684	ug/L	99
65) 1,4-Dichlorobenzene	11.213	146	106973	4.656	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	99270	4.753	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	6018	4.487	ug/L	96
69) 1,3,5-Trichlorobenzene	12.586	180	75913	4.527	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	64480	4.335	ug/L	99
71) Naphthalene	13.442	128	104947	4.153	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	59545	4.646	ug/L	98

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

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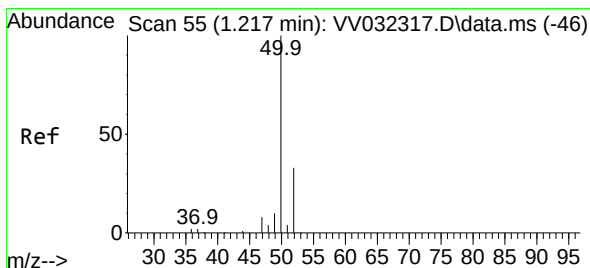
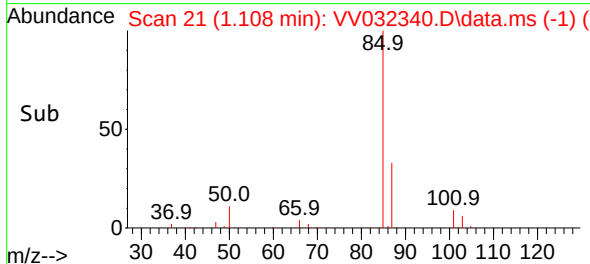
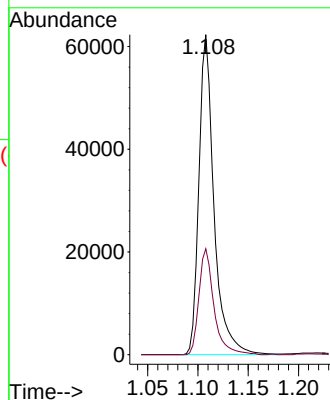
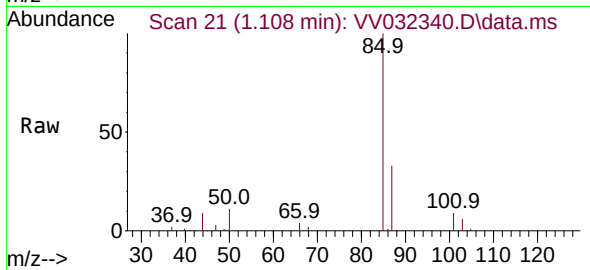




#2
 Dichlorodifluoromethane
 Concen: 5.483 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV032340.D
 Acq: 09 Oct 2023 19:48

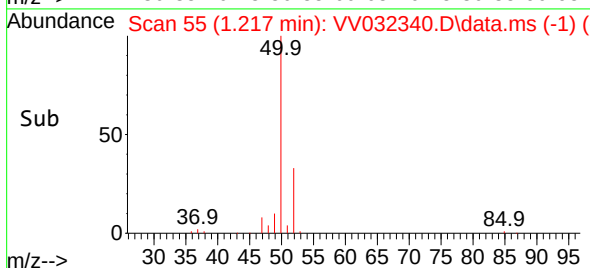
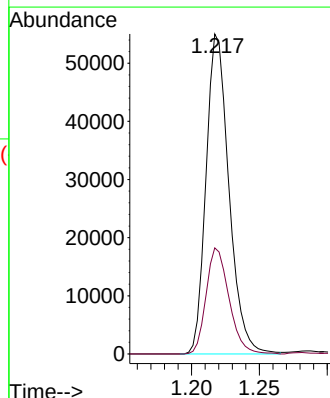
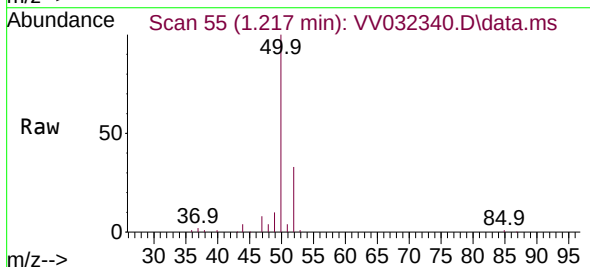
Instrument :
 MSVOA_V
 ClientSampleId :

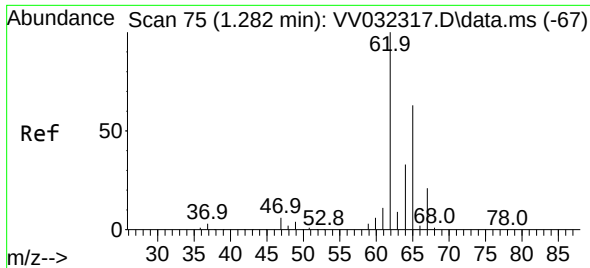
Tgt Ion: 85 Resp: 65129
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.5 38.3



#3
 Chloromethane
 Concen: 5.405 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV032340.D
 Acq: 09 Oct 2023 19:48

Tgt Ion: 50 Resp: 64720
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.0 42.6

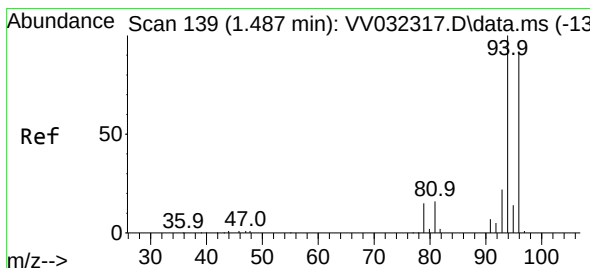
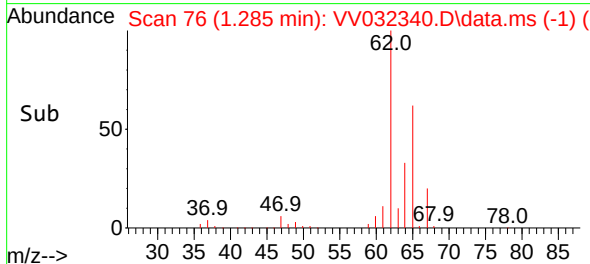
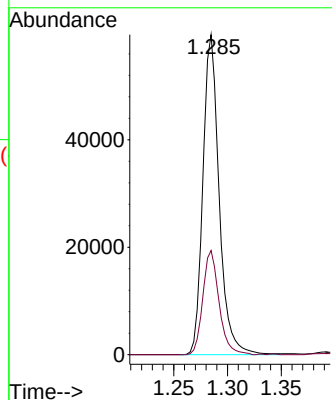
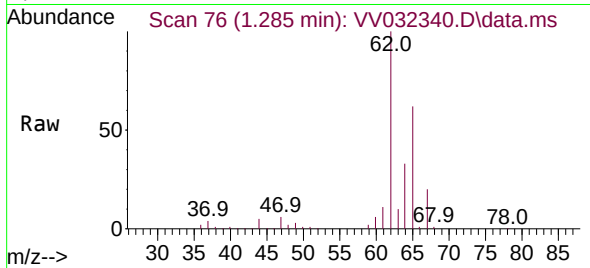




#5
 Vinyl chloride
 Concen: 5.480 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.003 min
 Lab File: VV032340.D
 Acq: 09 Oct 2023 19:48

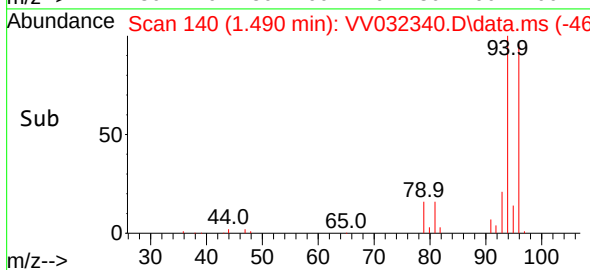
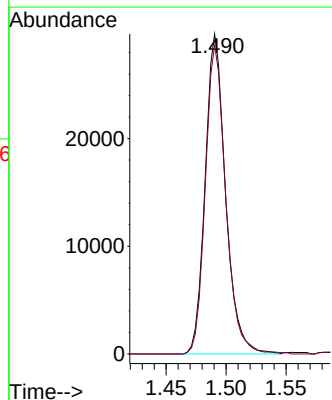
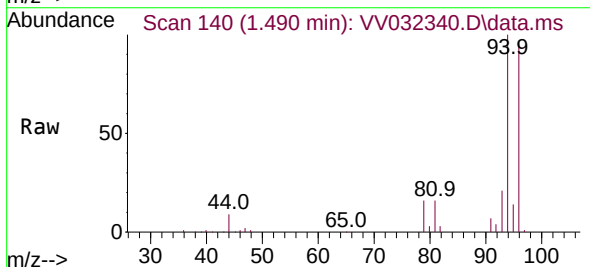
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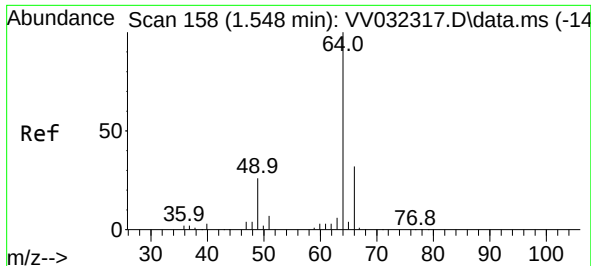
Tgt Ion: 62 Resp: 62586
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.1 42.9



#6
 Bromomethane
 Concen: 5.096 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.003 min
 Lab File: VV032340.D
 Acq: 09 Oct 2023 19:48

Tgt Ion: 94 Resp: 35158
 Ion Ratio Lower Upper
 94 100
 96 96.5 66.8 124.2





#8

Chloroethane

Concen: 5.588 ug/L

RT: 1.551 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

Instrument :

MSVOA_V

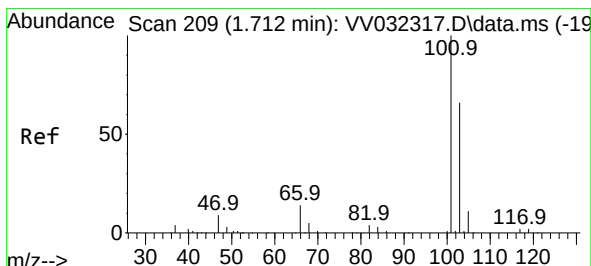
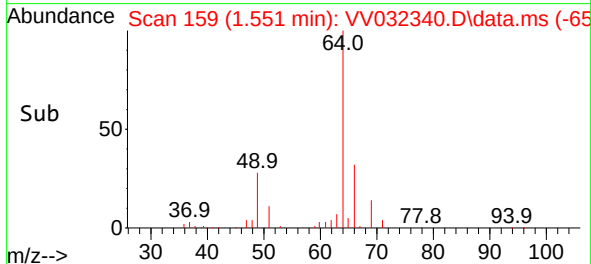
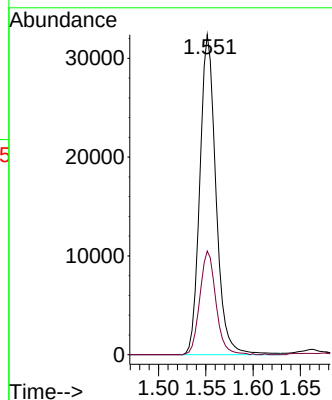
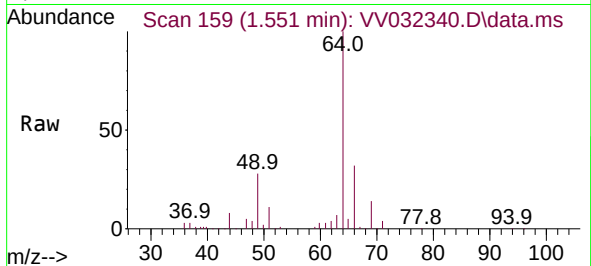
ClientSampleId :

Tgt Ion: 64 Resp: 38419

Ion Ratio Lower Upper

64 100

66 32.4 22.6 42.0



#9

Trichlorofluoromethane

Concen: 5.564 ug/L

RT: 1.715 min Scan# 210

Delta R.T. 0.003 min

Lab File: VV032340.D

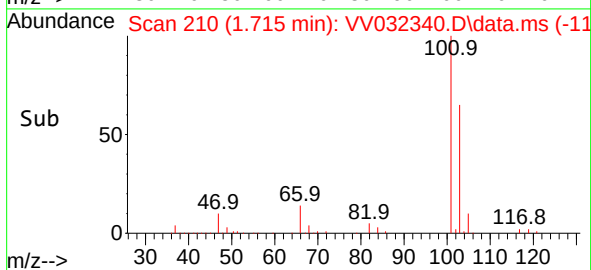
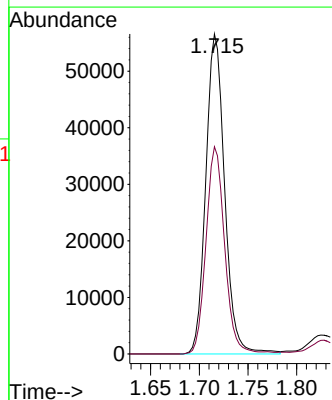
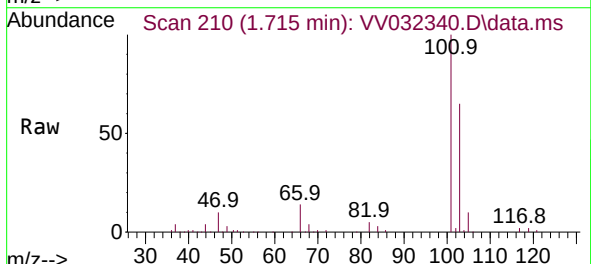
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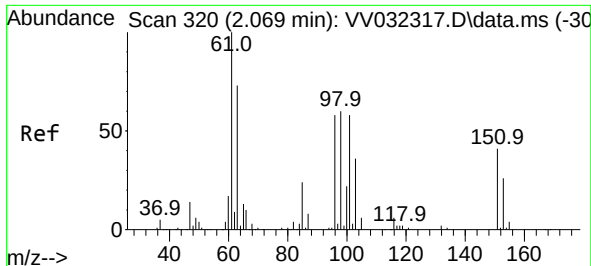
Tgt Ion:101 Resp: 76200

Ion Ratio Lower Upper

101 100

103 63.9 51.4 77.2

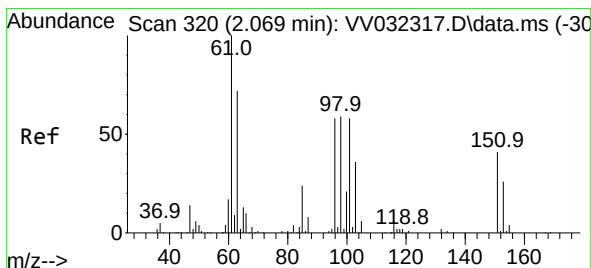
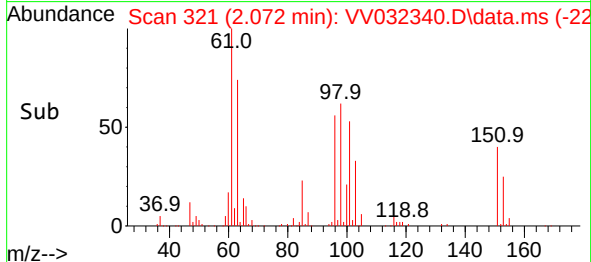
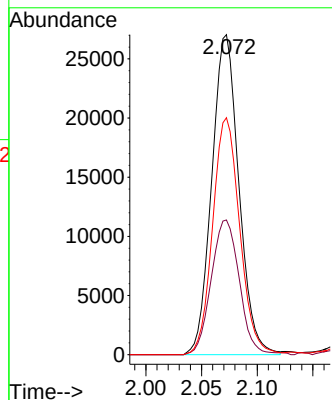
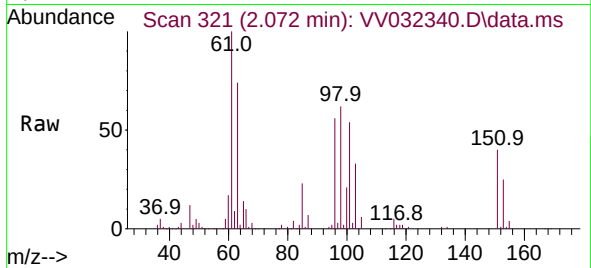




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.517 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.006 min
 Lab File: VV032340.D
 Acq: 09 Oct 2023 19:48

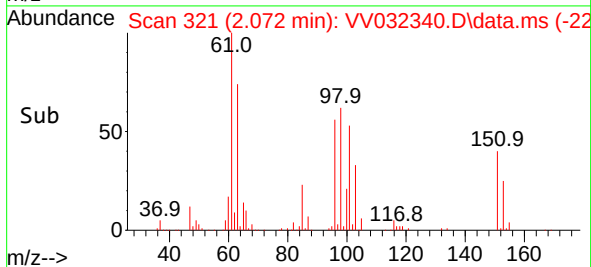
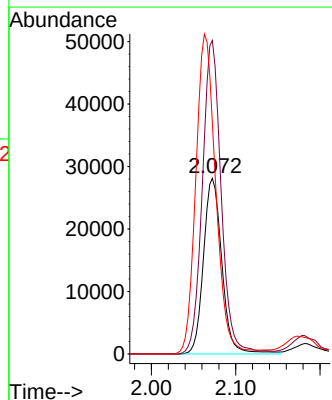
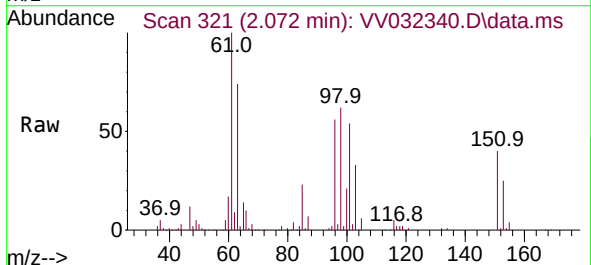
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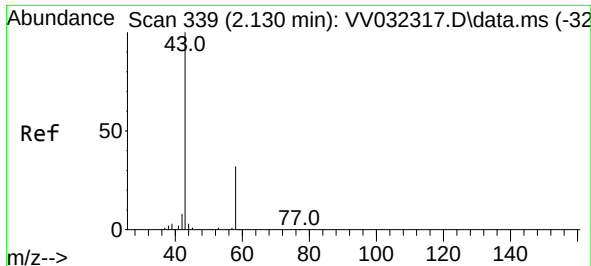
Tgt Ion:101 Resp: 45784
 Ion Ratio Lower Upper
 101 100
 85 43.6 35.0 52.6
 151 74.0 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 5.480 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.003 min
 Lab File: VV032340.D
 Acq: 09 Oct 2023 19:48

Tgt Ion: 96 Resp: 42836
 Ion Ratio Lower Upper
 96 100
 61 178.5 127.3 236.3
 63 131.5 98.3 182.7





#13

Acetone

Concen: 44.673 ug/L

RT: 2.143 min Scan# 34

Delta R.T. 0.013 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

Instrument :

MSVOA_V

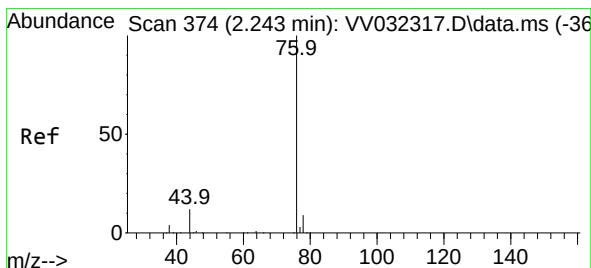
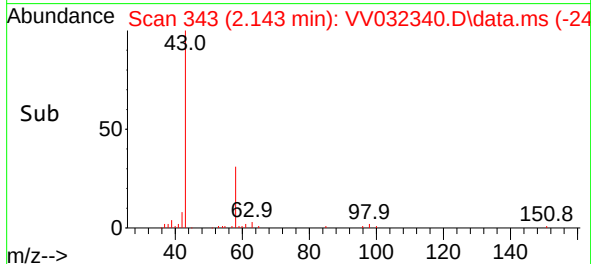
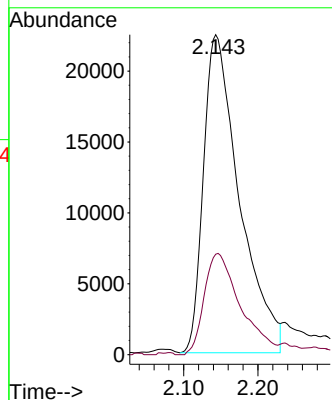
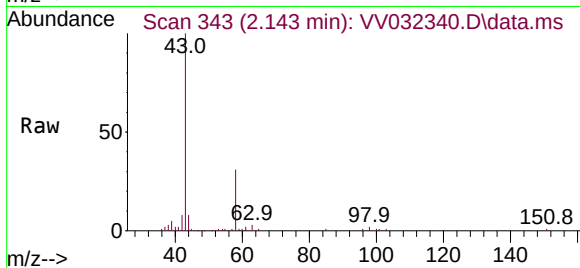
ClientSampleId :

Tgt Ion: 43 Resp: 75504

Ion Ratio Lower Upper

43 100

58 32.2 0.0 66.0



#14

Carbon disulfide

Concen: 4.780 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV032340.D

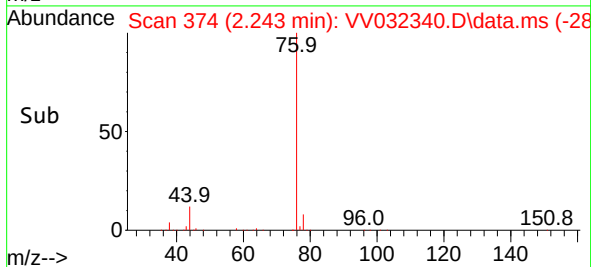
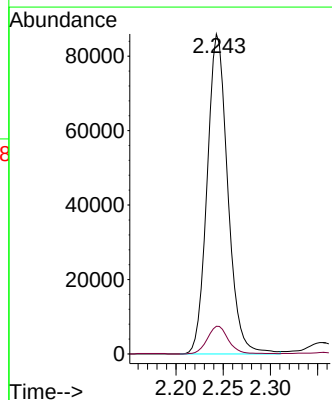
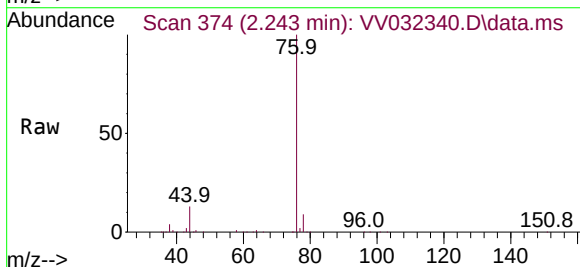
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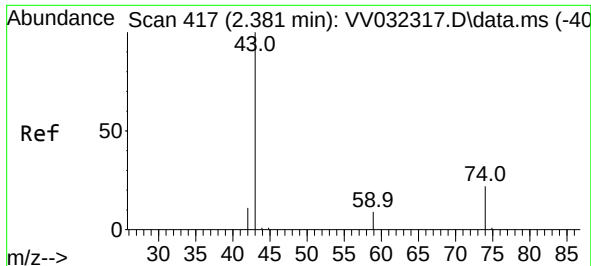
Tgt Ion: 76 Resp: 130622

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.2

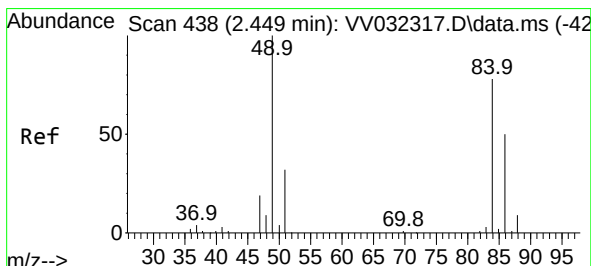
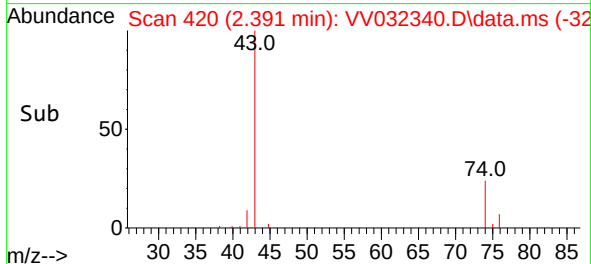
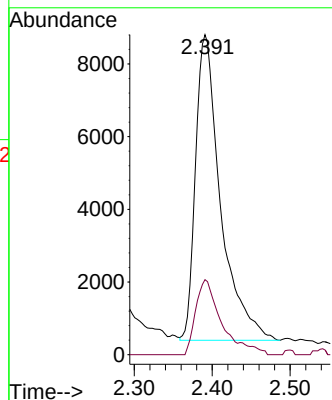
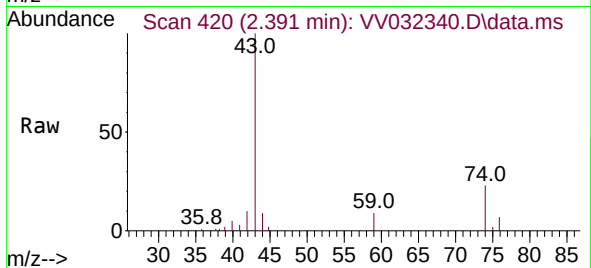




#15
Methyl Acetate
Concen: 4.932 ug/L
RT: 2.391 min Scan# 417
Delta R.T. 0.006 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

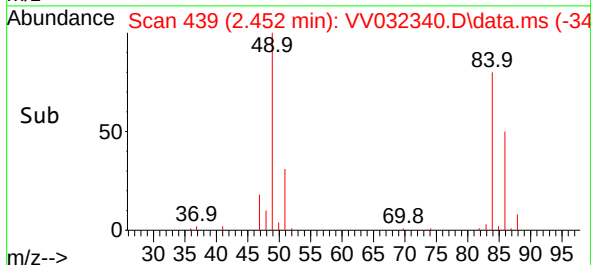
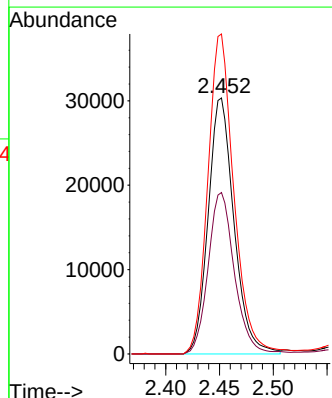
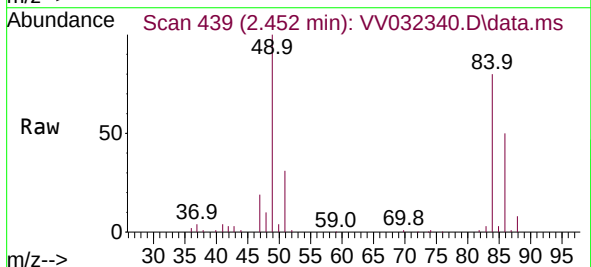
Instrument :
MSVOA_V
ClientSampleId :

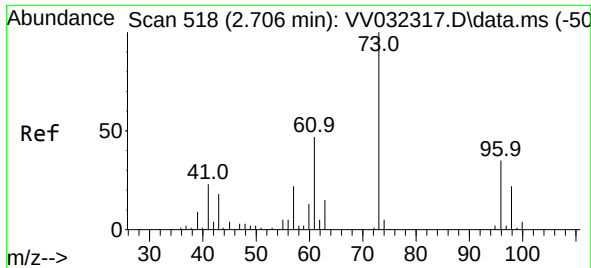
Tgt Ion: 43 Resp: 18766
Ion Ratio Lower Upper
43 100
74 25.4 18.0 27.0



#16
Methylene chloride
Concen: 4.965 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.006 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

Tgt Ion: 84 Resp: 50596
Ion Ratio Lower Upper
84 100
86 63.1 43.2 80.2
49 125.0 86.3 160.3

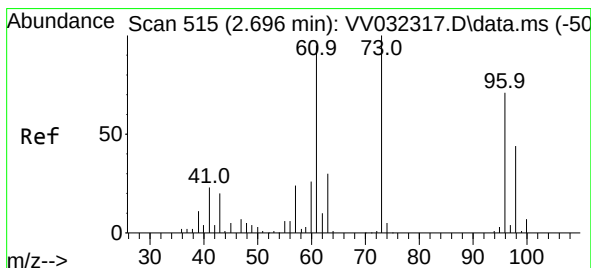
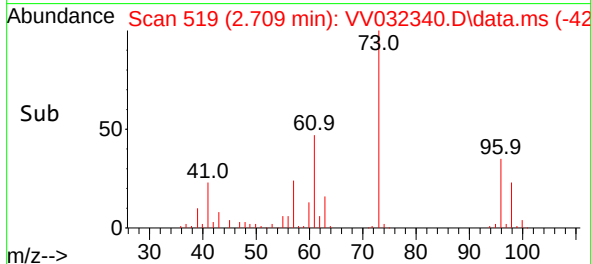
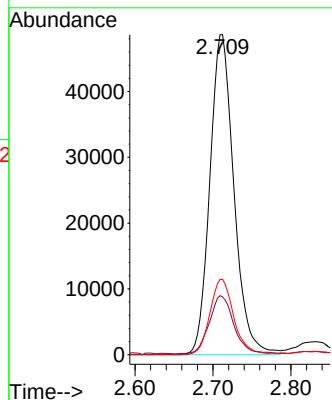
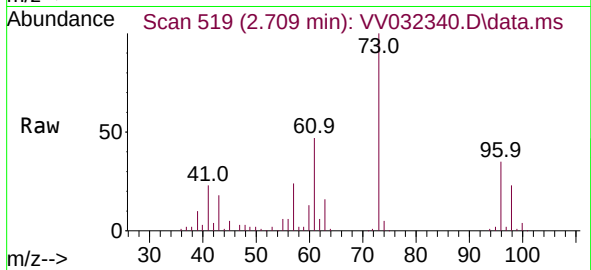




#17
Methyl tert-butyl Ether
Concen: 4.906 ug/L
RT: 2.709 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

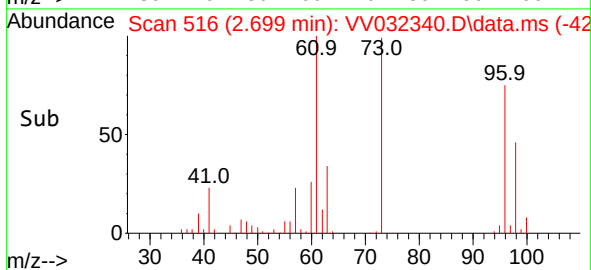
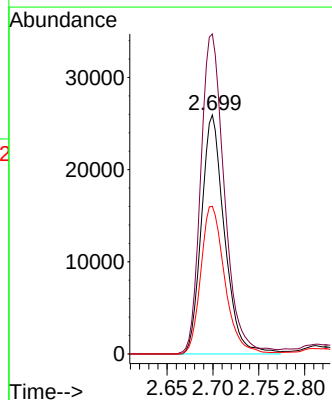
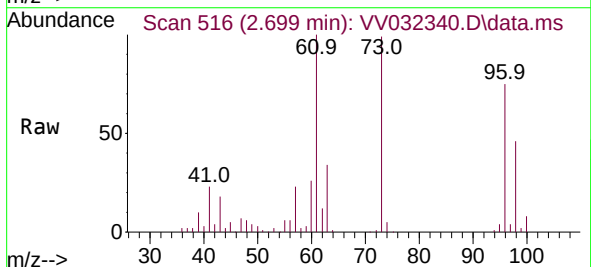
Instrument :
MSVOA_V
ClientSampleId :

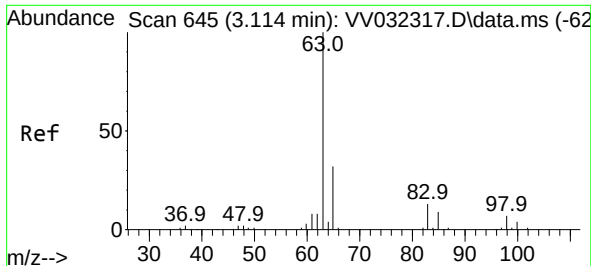
Tgt Ion: 73 Resp: 104404
Ion Ratio Lower Upper
73 100
43 18.5 15.1 22.7
57 23.2 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 5.064 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.006 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

Tgt Ion: 96 Resp: 45343
Ion Ratio Lower Upper
96 100
61 133.8 96.9 180.1
98 61.7 45.3 84.1





#19

1,1-Dichloroethane

Concen: 5.206 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.006 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :

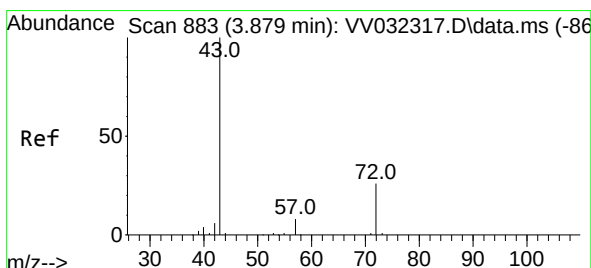
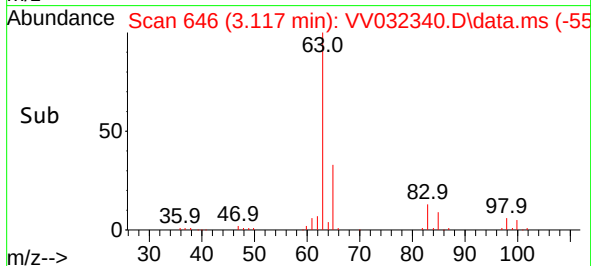
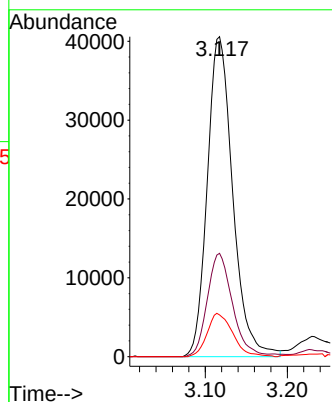
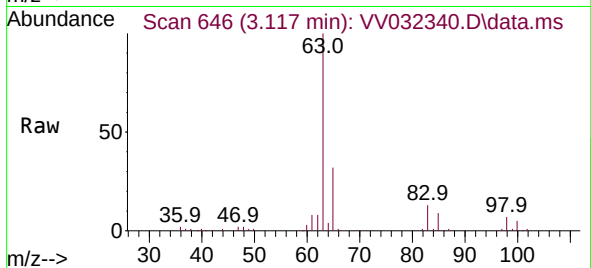
Tgt Ion: 63 Resp: 87681

Ion Ratio Lower Upper

63 100

65 32.3 22.3 41.5

83 13.1 9.0 16.6



#21

2-Butanone

Concen: 47.863 ug/L

RT: 3.895 min Scan# 888

Delta R.T. 0.013 min

Lab File: VV032340.D

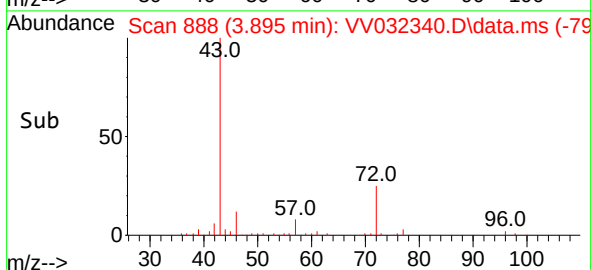
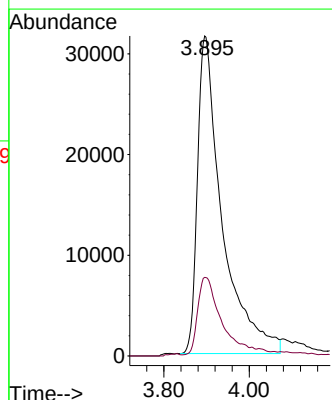
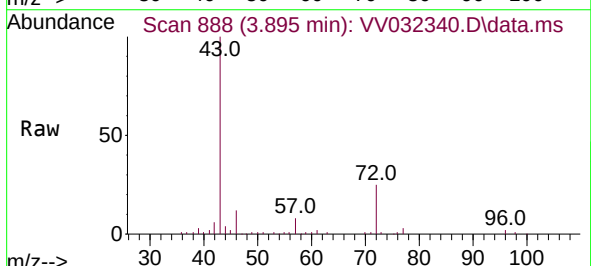
Acq: 09 Oct 2023 19:48

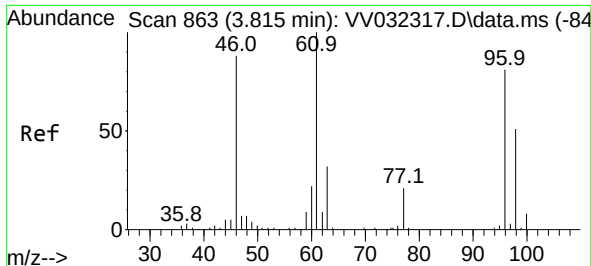
Tgt Ion: 43 Resp: 126504

Ion Ratio Lower Upper

43 100

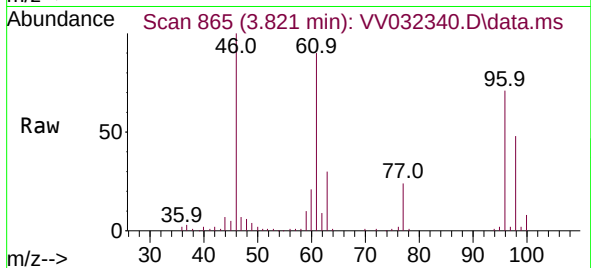
72 22.7 11.6 34.8



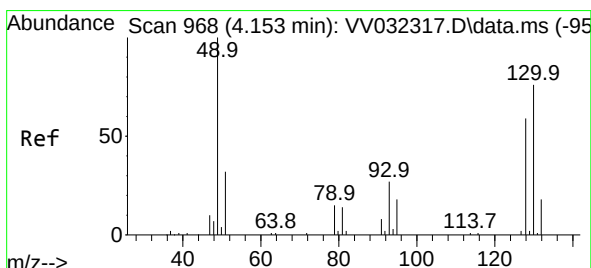
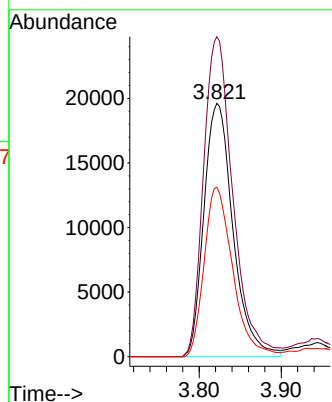
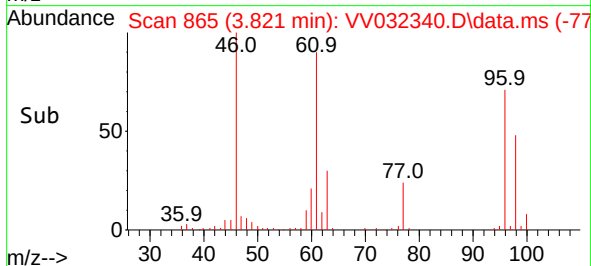


#22
cis-1,2-Dichloroethene
Concen: 5.019 ug/L
RT: 3.821 min Scan# 865
Delta R.T. 0.006 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

Instrument :
MSVOA_V
ClientSampleId :

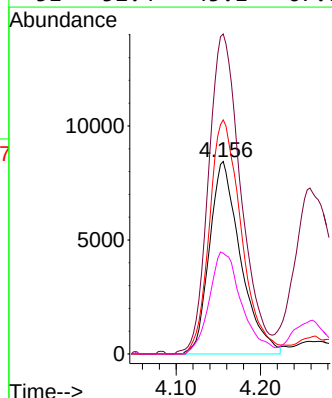
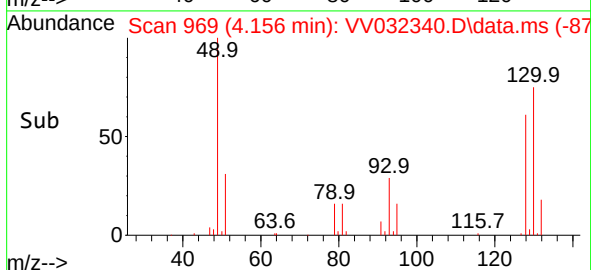
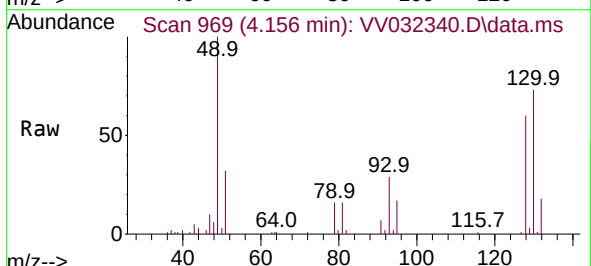


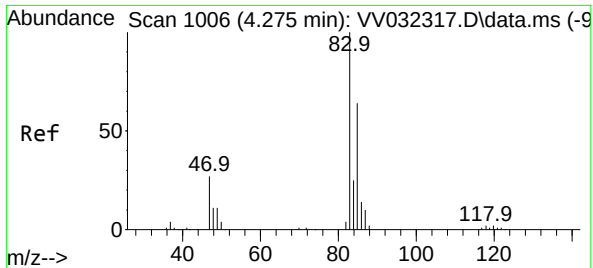
Tgt Ion: 96 Resp: 48391
Ion Ratio Lower Upper
96 100
61 126.4 85.8 159.4
98 66.9 44.0 81.6



#23
Bromochloromethane
Concen: 5.329 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.006 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

Tgt Ion: 128 Resp: 21613
Ion Ratio Lower Upper
128 100
49 166.3 121.2 225.0
130 121.6 88.2 163.8
51 52.4 45.1 67.7

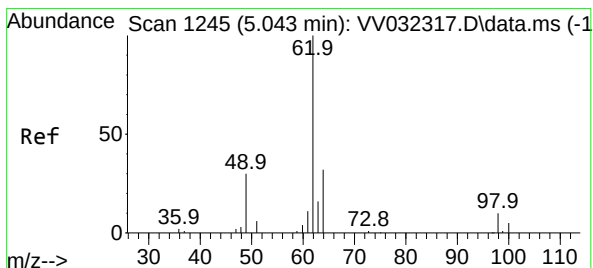
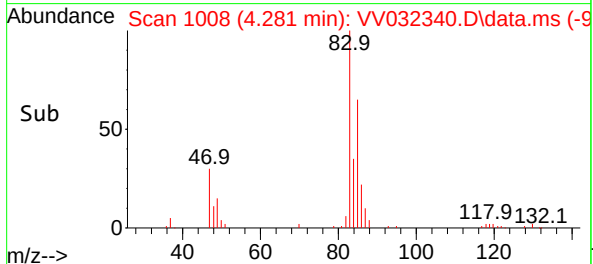
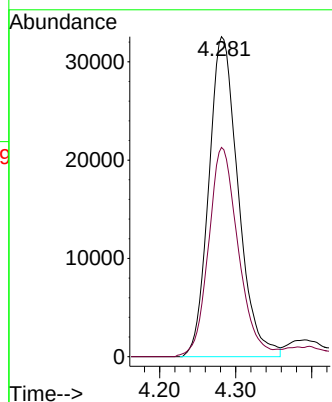
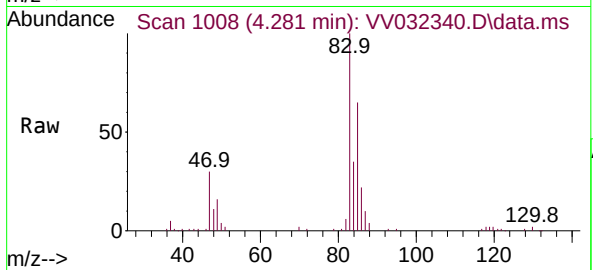




#25
Chloroform
Concen: 5.285 ug/L
RT: 4.281 min Scan# 1006
Delta R.T. 0.003 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

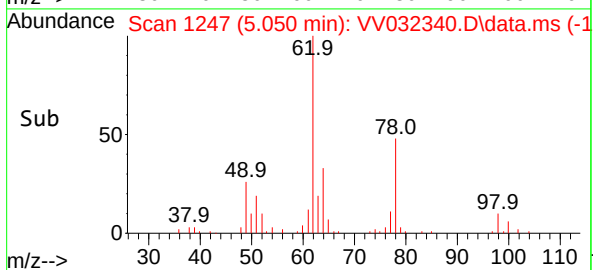
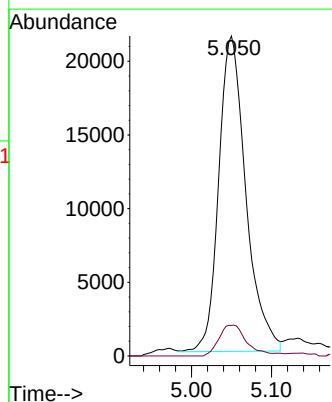
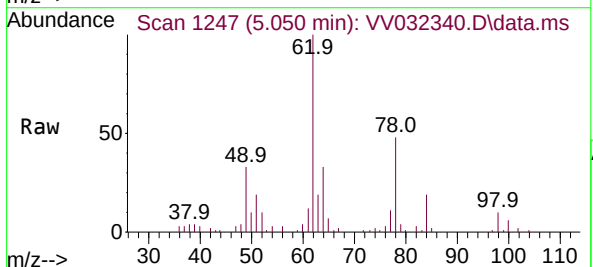
Instrument :
MSVOA_V
ClientSampleId :

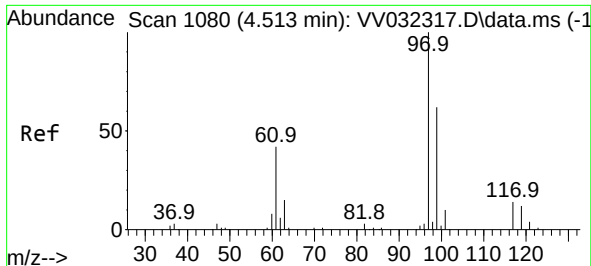
Tgt Ion: 83 Resp: 87341
Ion Ratio Lower Upper
83 100
85 65.4 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.163 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.006 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

Tgt Ion: 62 Resp: 50411
Ion Ratio Lower Upper
62 100
98 9.5 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.498 ug/L

RT: 4.516 min Scan# 1080

Delta R.T. 0.006 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :

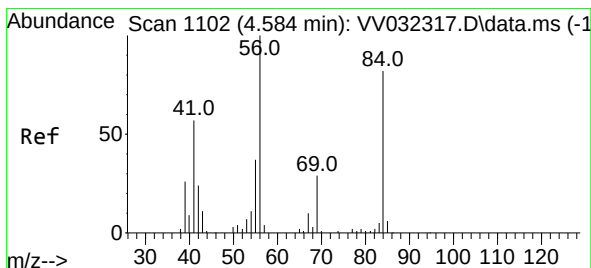
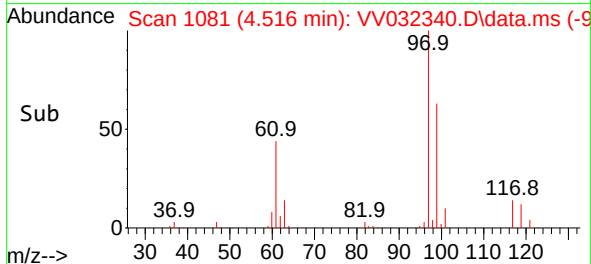
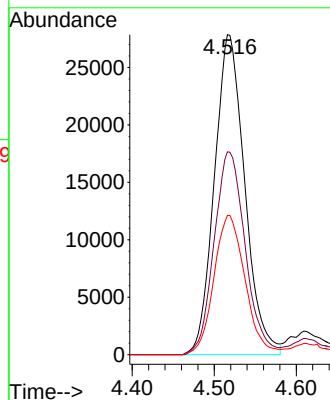
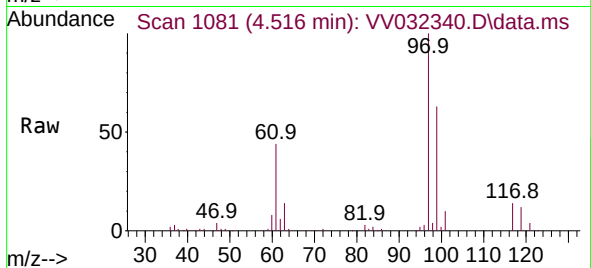
Tgt Ion: 97 Resp: 71723

Ion Ratio Lower Upper

97 100

99 65.0 50.1 75.1

61 44.6 35.1 52.7



#30

Cyclohexane

Concen: 4.052 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

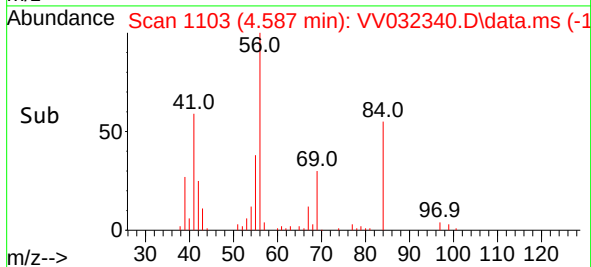
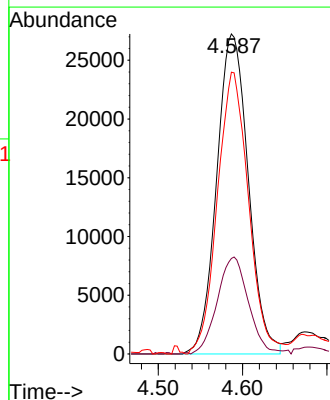
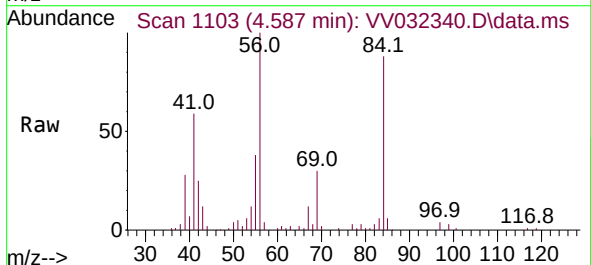
Tgt Ion: 56 Resp: 70985

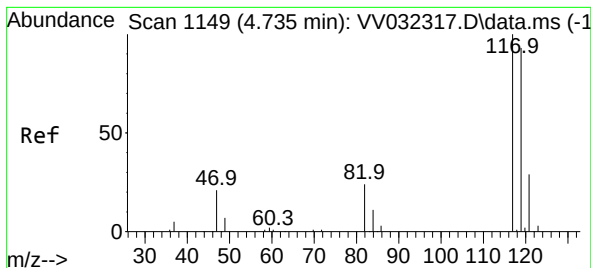
Ion Ratio Lower Upper

56 100

69 30.0 24.2 36.2

84 86.8 68.1 102.1





#31

Carbon tetrachloride

Concen: 4.530 ug/L

RT: 4.741 min Scan# 1149

Delta R.T. 0.006 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

Instrument :

MSVOA_V

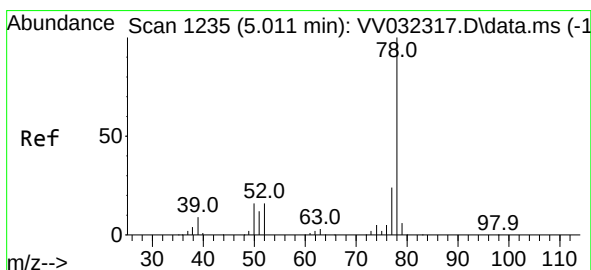
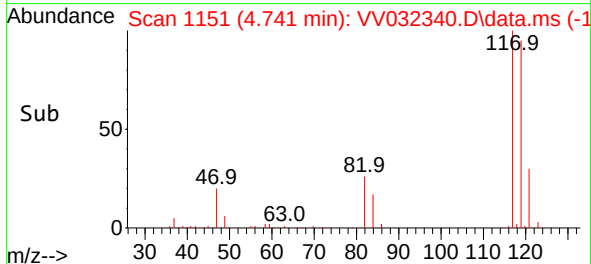
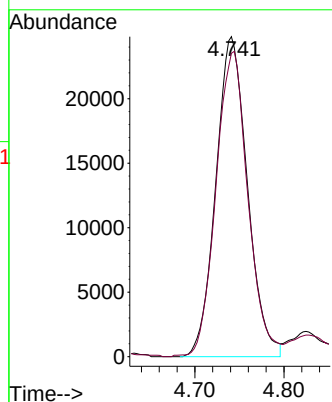
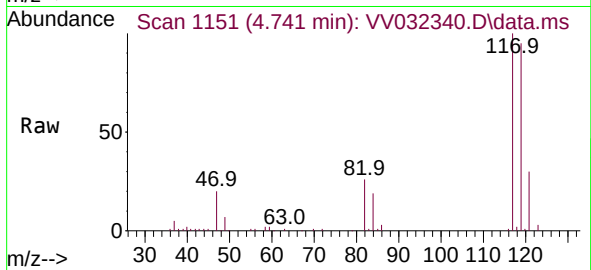
ClientSampleId :

Tgt Ion:117 Resp: 61112

Ion Ratio Lower Upper

117 100

119 96.8 77.6 116.4



#33

Benzene

Concen: 4.492 ug/L

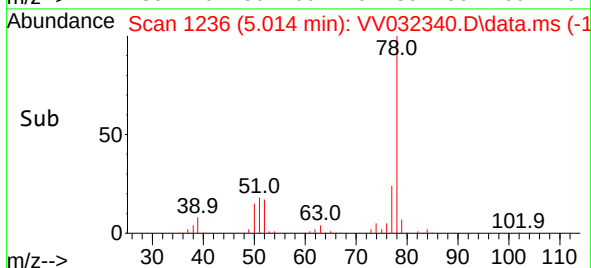
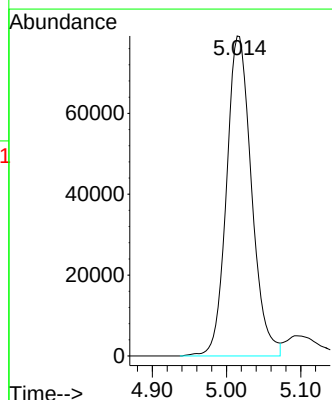
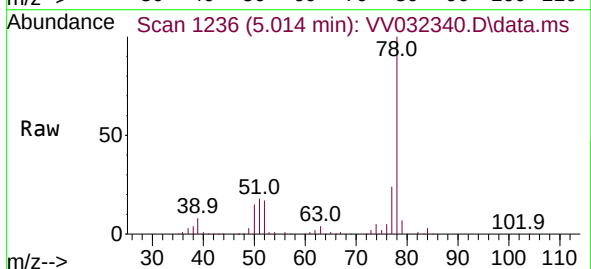
RT: 5.014 min Scan# 1236

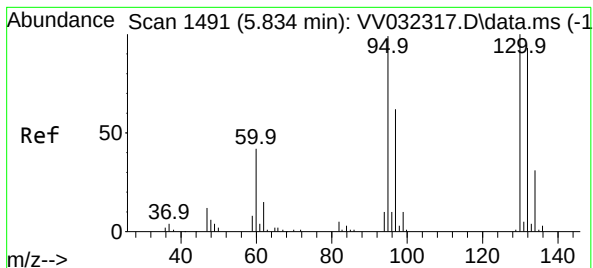
Delta R.T. 0.003 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

Tgt Ion: 78 Resp: 185475





#34

Trichloroethene

Concen: 4.417 ug/L

RT: 5.837 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 49783

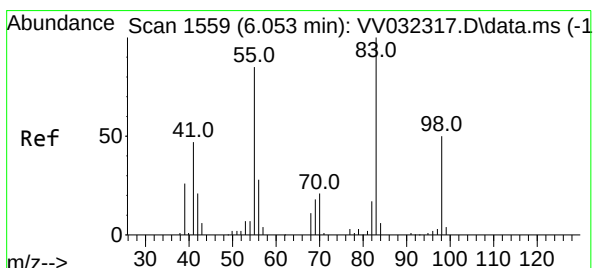
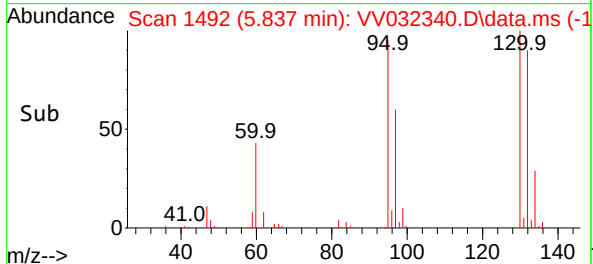
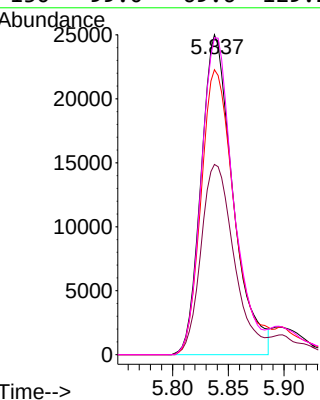
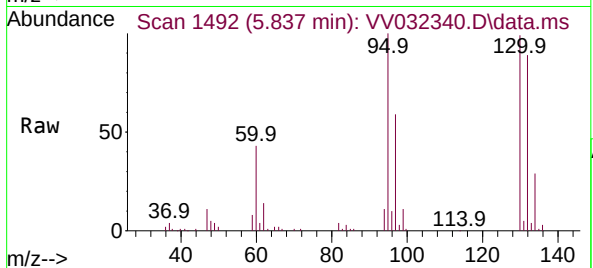
Ion Ratio Lower Upper

95 100

97 59.5 45.7 84.9

132 89.0 70.3 130.5

130 99.0 69.6 129.2



#35

Methylcyclohexane

Concen: 4.572 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.003 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

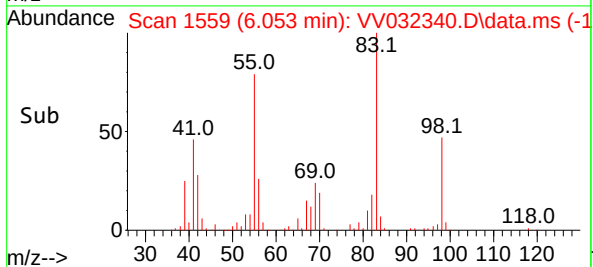
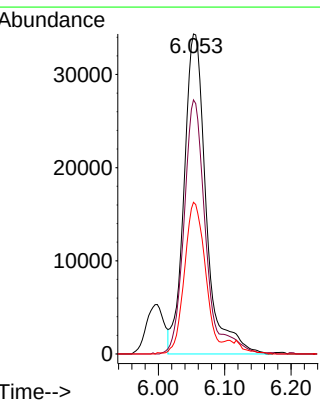
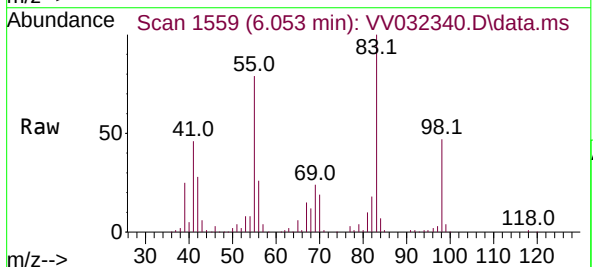
Tgt Ion: 83 Resp: 79753

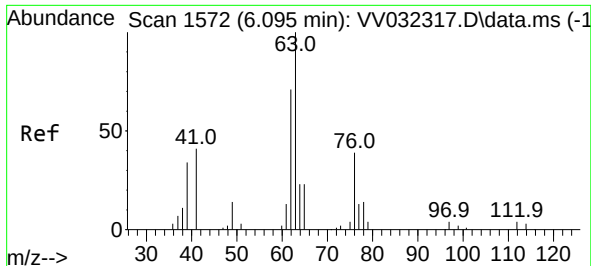
Ion Ratio Lower Upper

83 100

55 77.6 64.2 96.2

98 43.9 39.6 59.4





#37

1,2-Dichloropropane

Concen: 4.348 ug/L

RT: 6.098 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

Instrument :

MSVOA_V

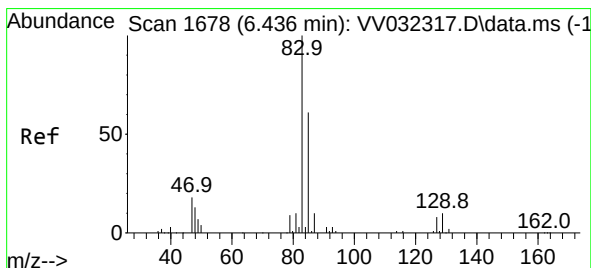
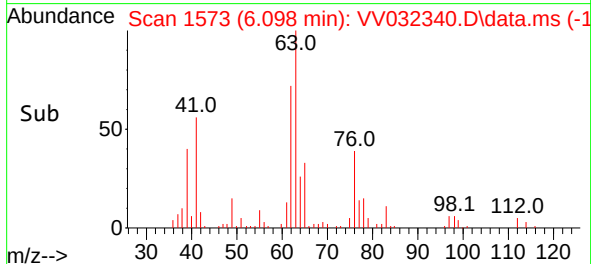
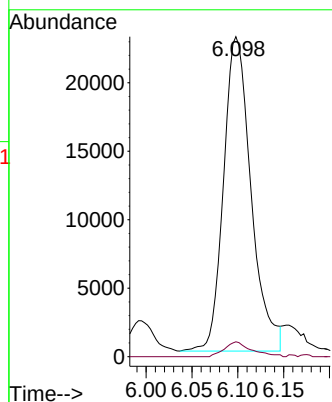
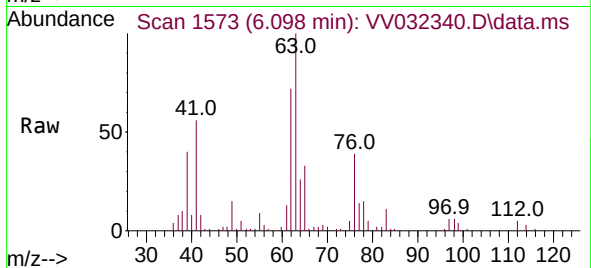
ClientSampleId :

Tgt Ion: 63 Resp: 48012

Ion Ratio Lower Upper

63 100

112 4.6 3.4 5.2



#38

Bromodichloromethane

Concen: 4.835 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

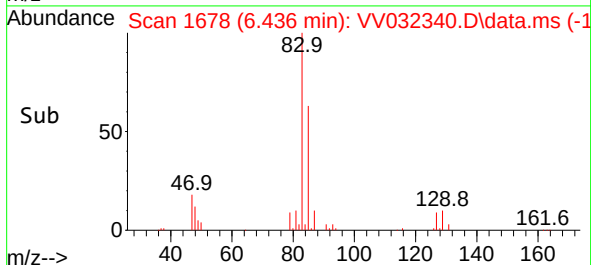
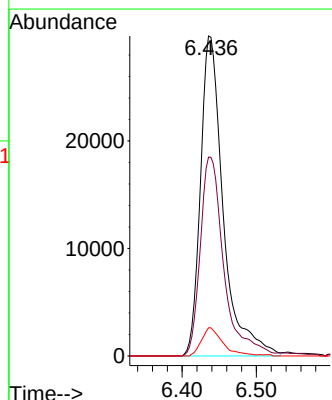
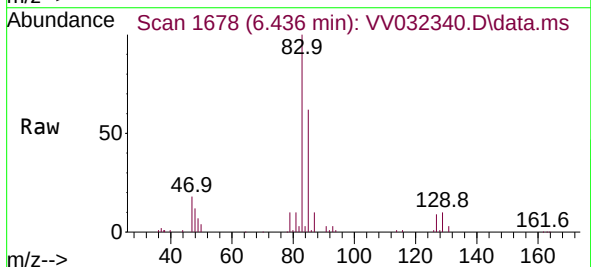
Tgt Ion: 83 Resp: 63430

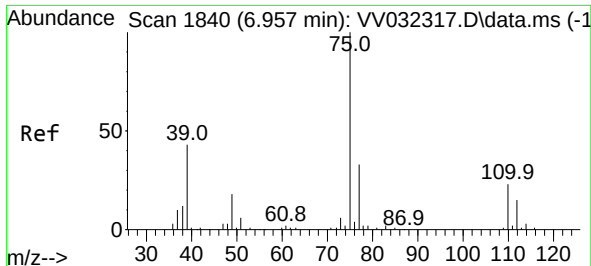
Ion Ratio Lower Upper

83 100

85 62.1 44.9 83.3

127 8.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.416 ug/L

RT: 6.960 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

Instrument :

MSVOA_V

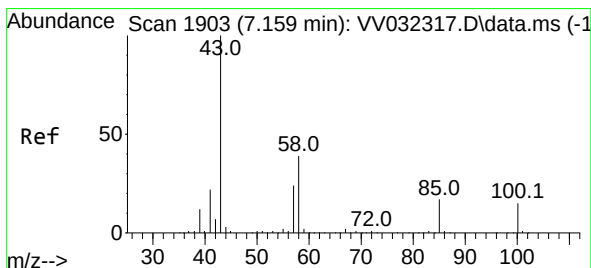
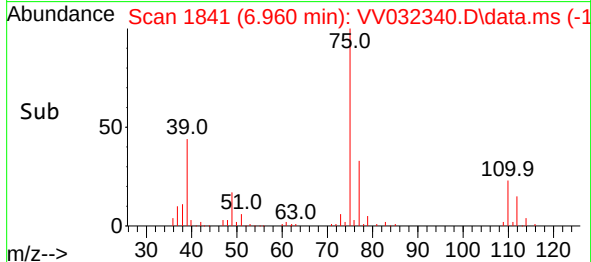
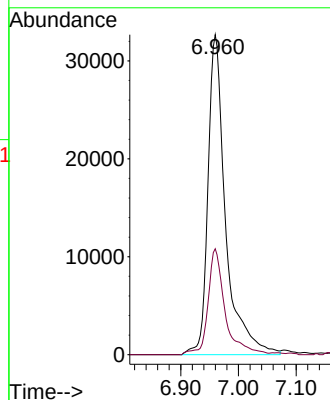
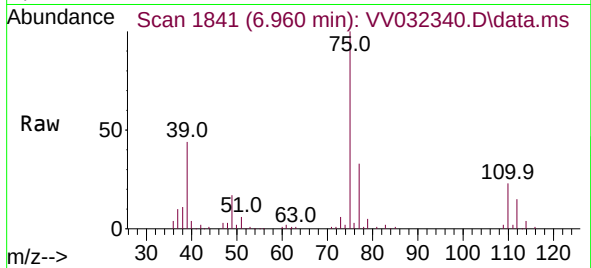
ClientSampleId :

Tgt Ion: 75 Resp: 69388

Ion Ratio Lower Upper

75 100

77 33.1 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 45.913 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

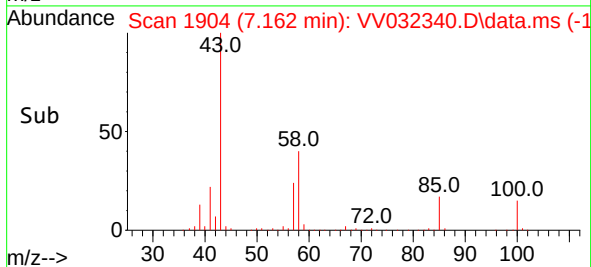
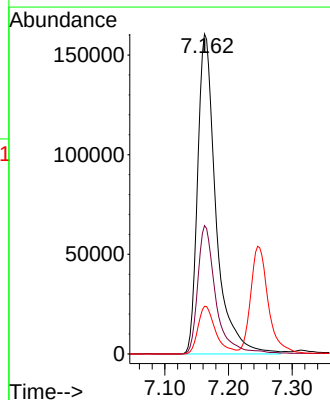
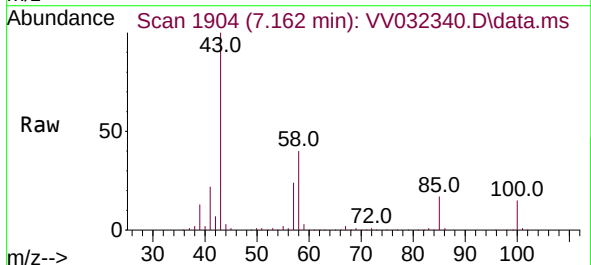
Tgt Ion: 43 Resp: 320811

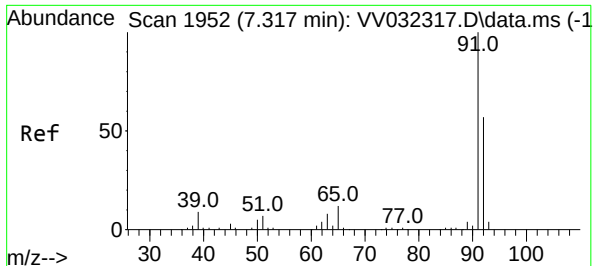
Ion Ratio Lower Upper

43 100

58 39.8 31.9 47.9

100 14.4 11.3 16.9





#42

Toluene

Concen: 4.856 ug/L

RT: 7.320 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

Instrument :

MSVOA_V

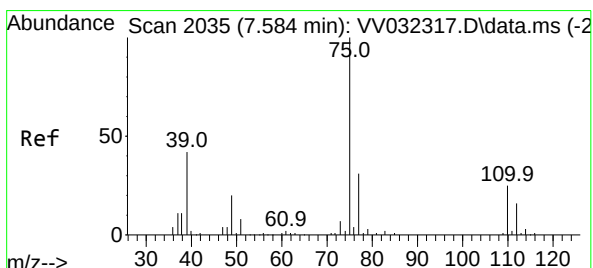
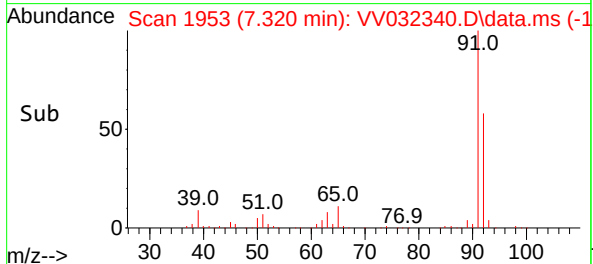
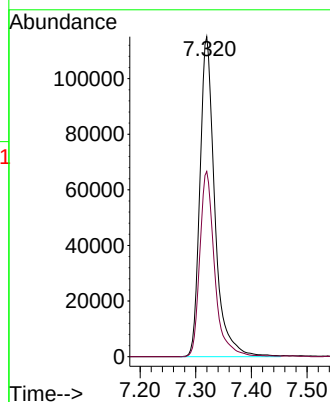
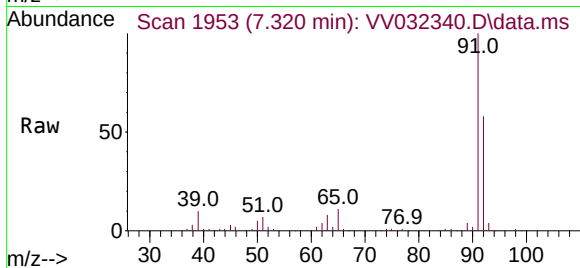
ClientSampleId :

Tgt Ion: 91 Resp: 213735

Ion Ratio Lower Upper

91 100

92 57.9 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.218 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV032340.D

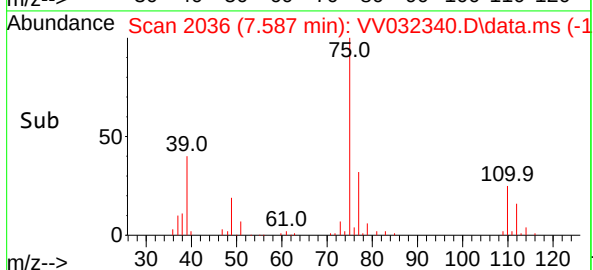
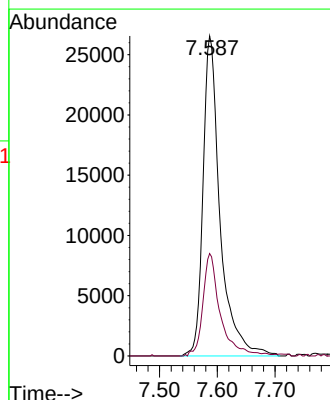
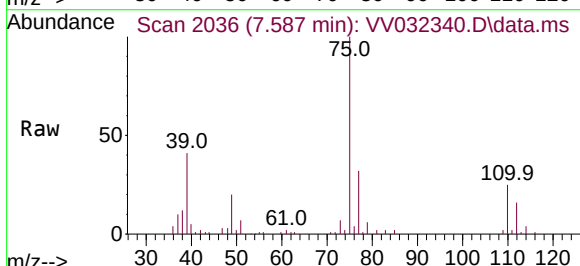
Acq: 09 Oct 2023 19:48

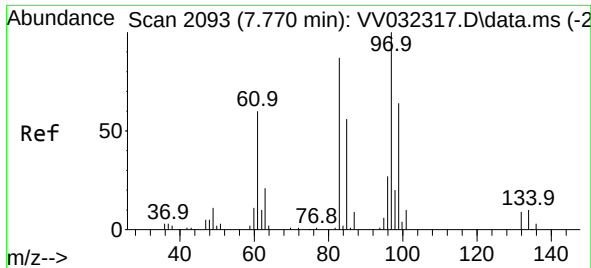
Tgt Ion: 75 Resp: 54468

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.7

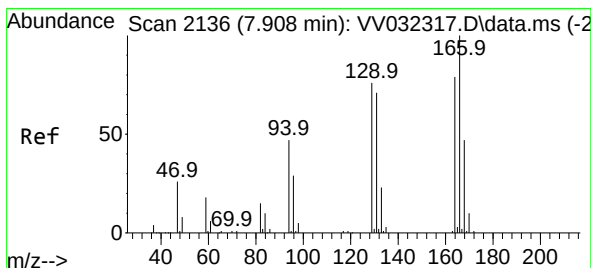
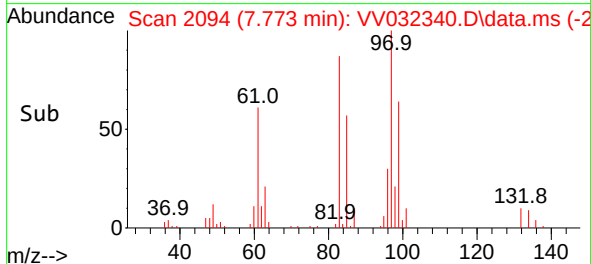
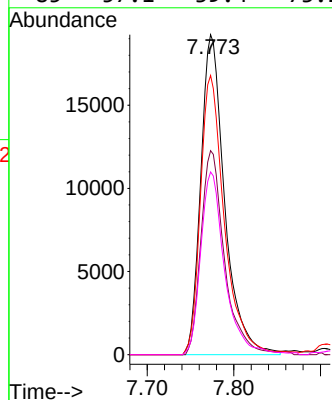
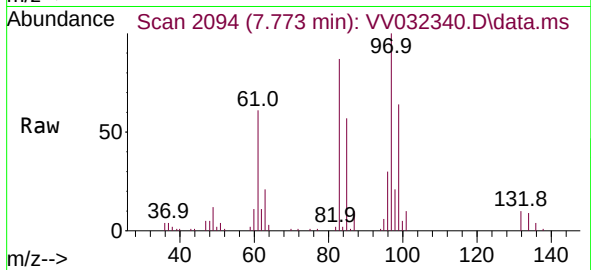




#45
1,1,2-Trichloroethane
Concen: 4.734 ug/L
RT: 7.773 min Scan# 2093
Delta R.T. 0.003 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

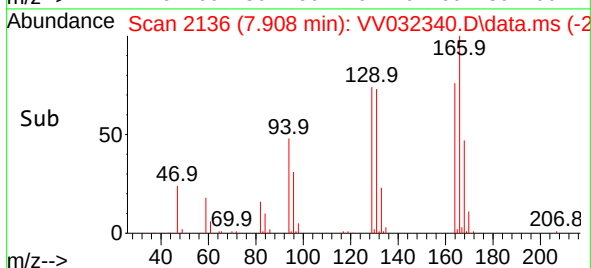
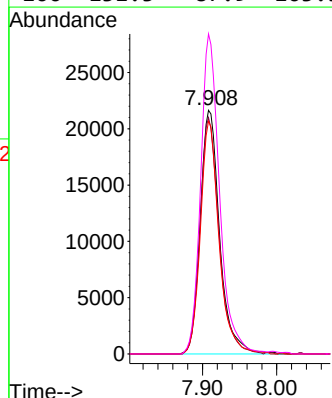
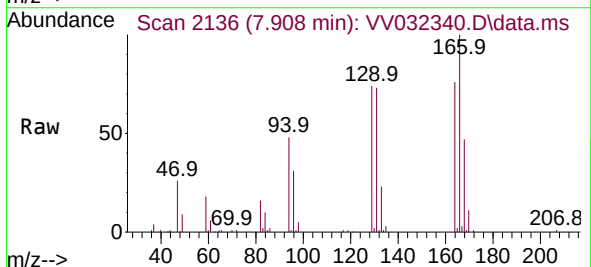
Instrument :
MSVOA_V
ClientSampleId :

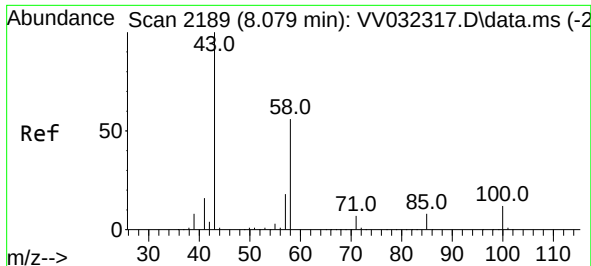
Tgt Ion:	97	Resp:	36875
Ion	Ratio	Lower	Upper
97	100		
99	63.8	42.8	79.4
83	87.3	60.9	113.1
85	57.1	39.4	73.2



#47
Tetrachloroethene
Concen: 4.613 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

Tgt Ion:	164	Resp:	39432
Ion	Ratio	Lower	Upper
164	100		
129	97.0	66.4	123.4
131	95.5	63.7	118.3
166	131.3	87.9	163.3

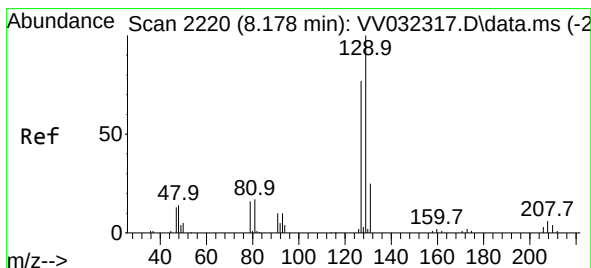
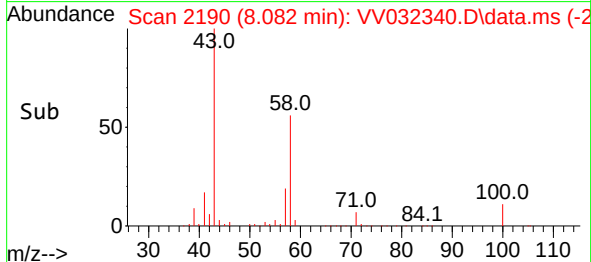
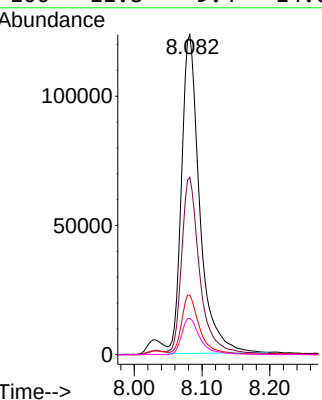
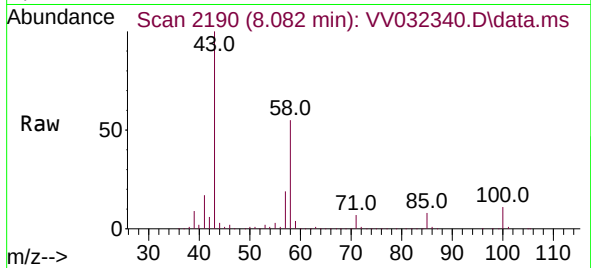




#48
2-Hexanone
Concen: 46.372 ug/L
RT: 8.082 min Scan# 2189
Delta R.T. 0.003 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

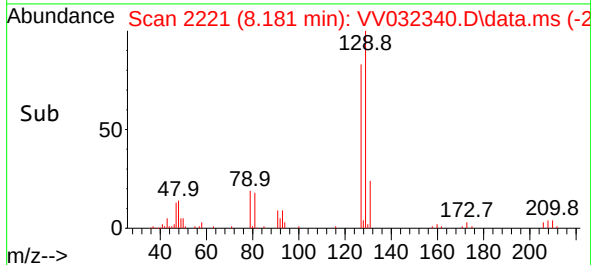
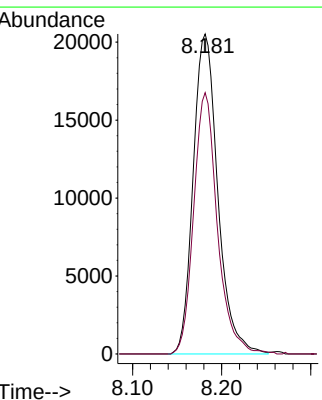
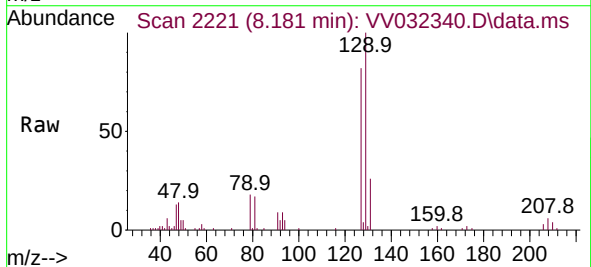
Instrument :
MSVOA_V
ClientSampleId :

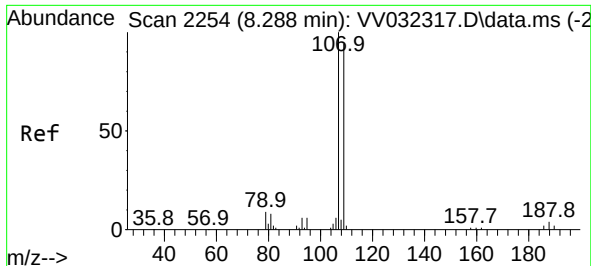
Tgt Ion: 43 Resp: 228612
Ion Ratio Lower Upper
43 100
58 56.0 43.6 65.4
57 18.6 14.6 22.0
100 11.8 9.4 14.0



#49
Dibromochloromethane
Concen: 4.862 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. 0.003 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

Tgt Ion: 129 Resp: 39431
Ion Ratio Lower Upper
129 100
127 81.6 57.2 106.2





#50

1,2-Dibromoethane

Concen: 4.695 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.003 min

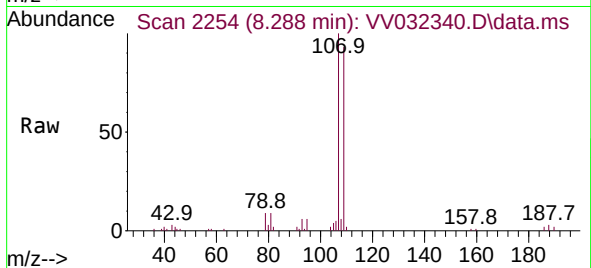
Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

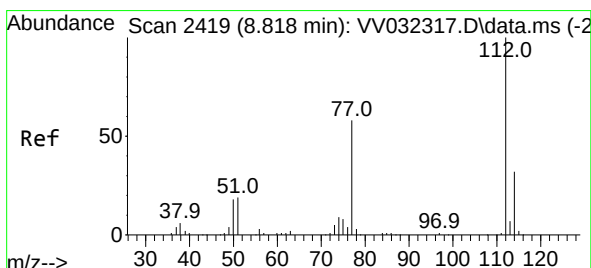
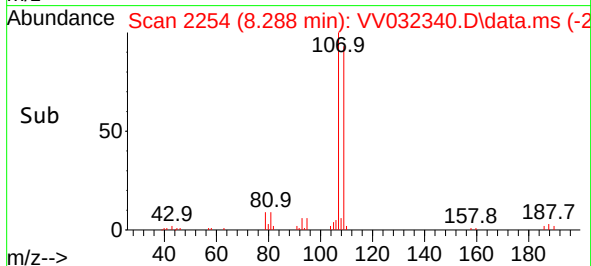
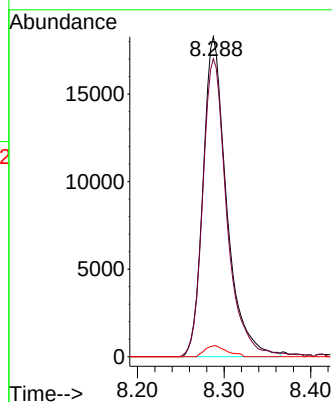
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	107	Resp:	34586
Ion	Ratio	Lower	Upper
107	100		
109	93.1	68.4	127.0
188	3.4	3.2	4.8



#51

Chlorobenzene

Concen: 4.719 ug/L

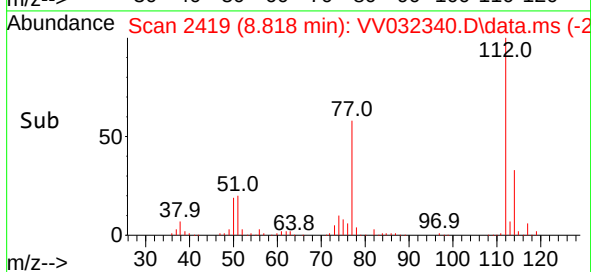
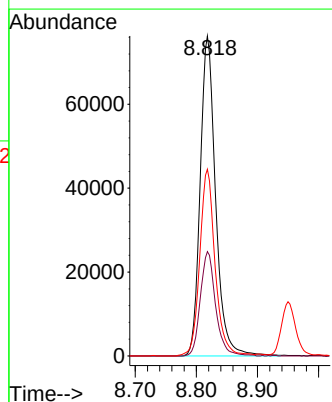
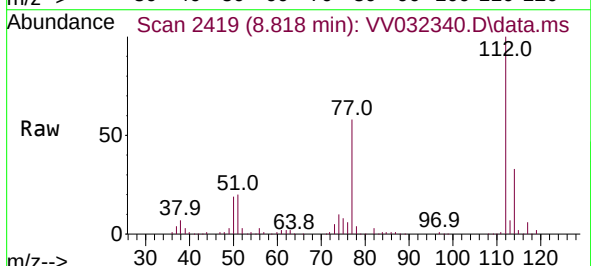
RT: 8.818 min Scan# 2419

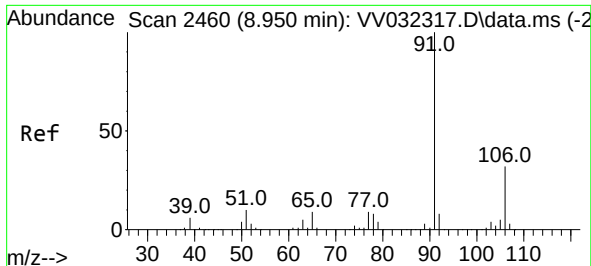
Delta R.T. 0.003 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

Tgt Ion:	112	Resp:	133727
Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.1	41.1
77	58.3	46.1	69.1

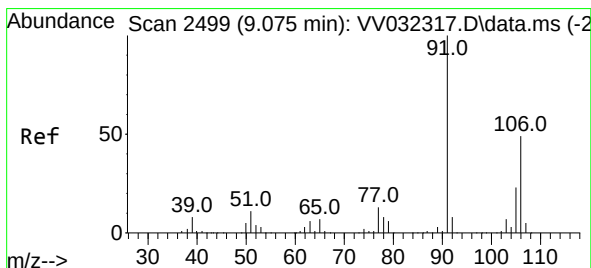
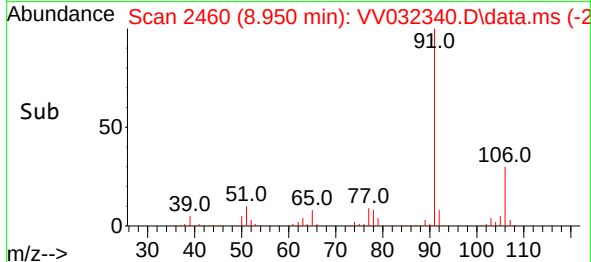
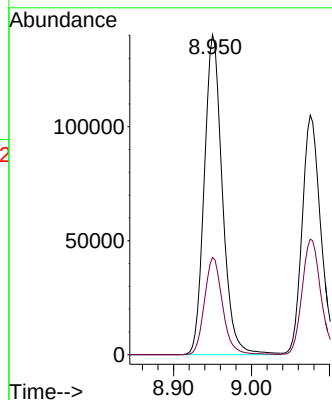
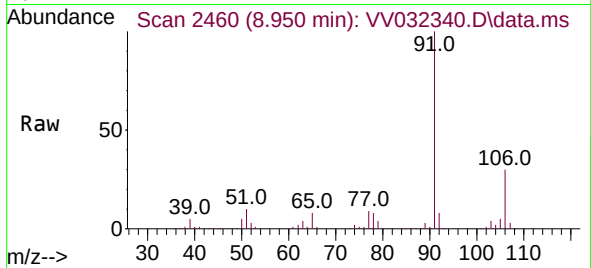




#52
Ethylbenzene
Concen: 4.625 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.003 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

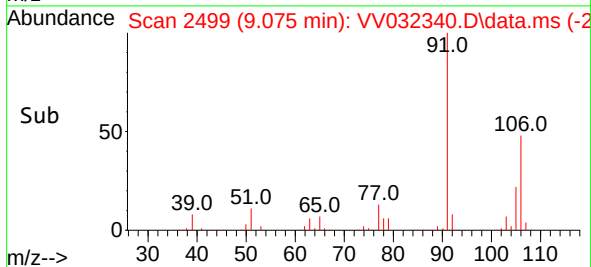
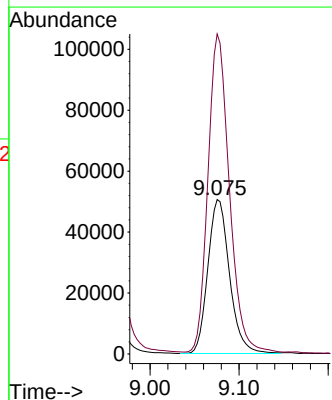
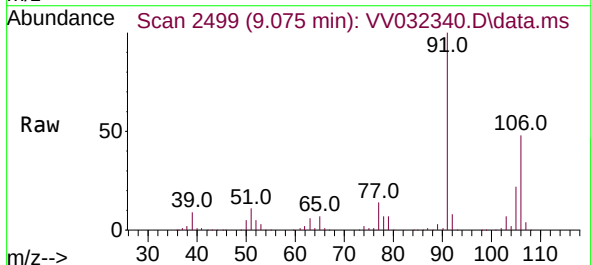
Instrument :
MSVOA_V
ClientSampleId :

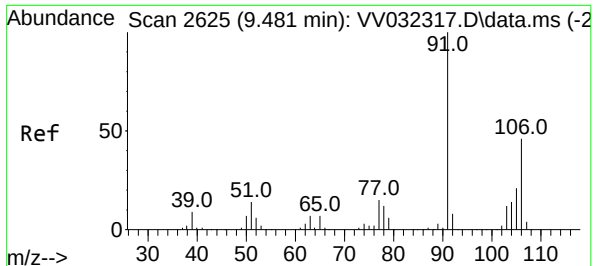
Tgt Ion: 91 Resp: 226664
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.5



#53
m,p-Xylene
Concen: 4.695 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

Tgt Ion: 106 Resp: 85346
Ion Ratio Lower Upper
106 100
91 207.3 144.5 268.3

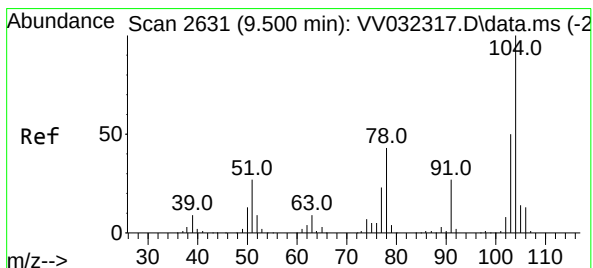
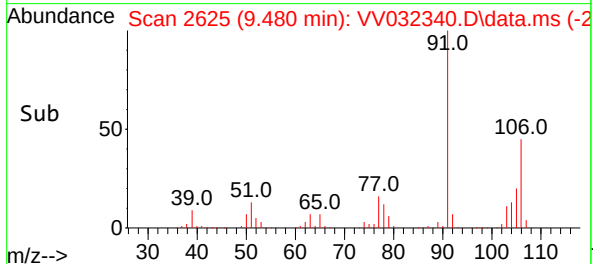
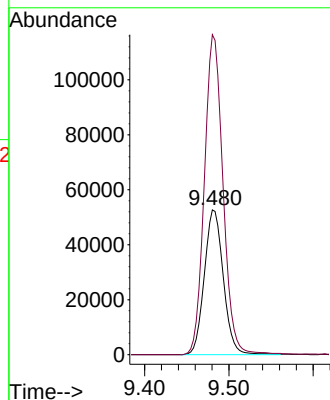
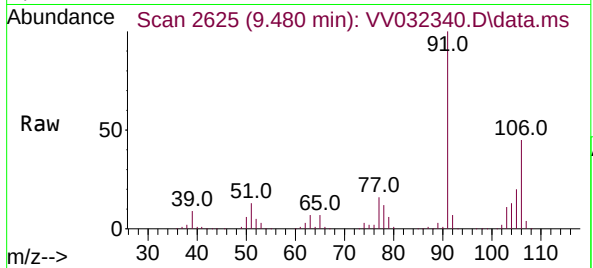




#54
o-Xylene
Concen: 4.729 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

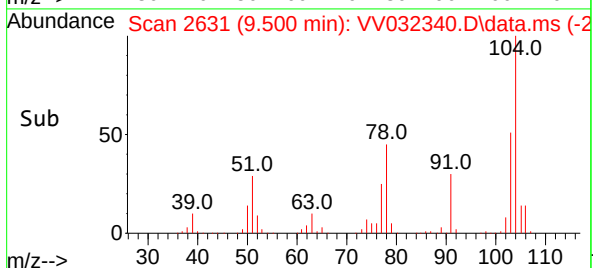
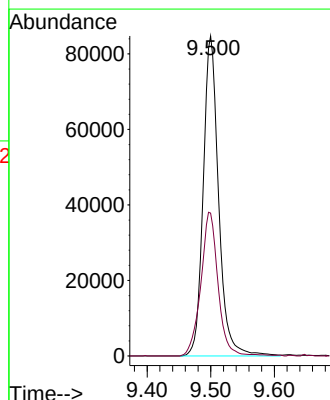
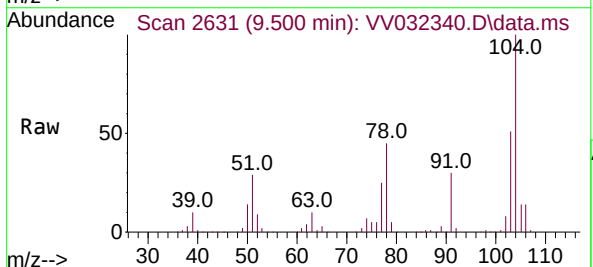
Instrument :
MSVOA_V
ClientSampleId :

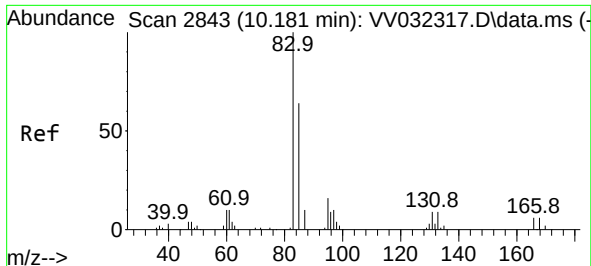
Tgt Ion:106 Resp: 82820
Ion Ratio Lower Upper
106 100
91 221.0 154.8 287.4



#55
Styrene
Concen: 4.818 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.003 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

Tgt Ion:104 Resp: 142519
Ion Ratio Lower Upper
104 100
78 44.7 29.9 55.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.112 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :

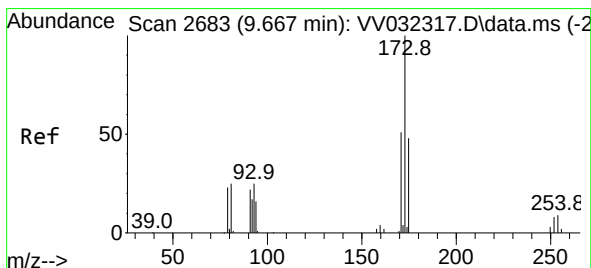
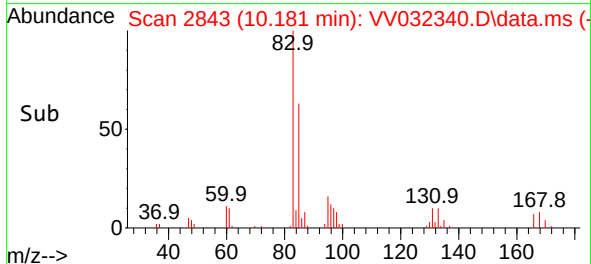
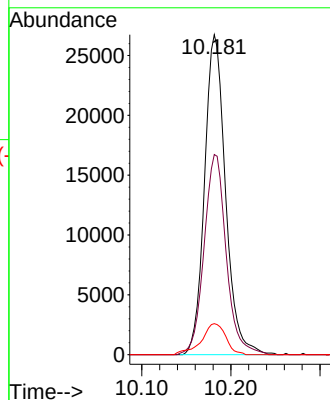
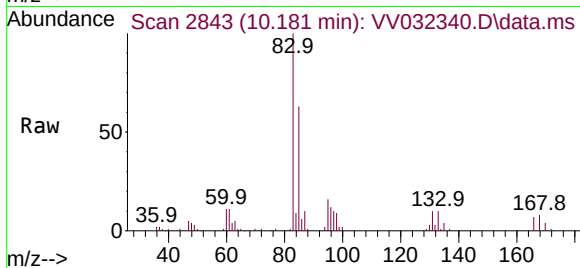
Tgt Ion: 83 Resp: 43810

Ion Ratio Lower Upper

83 100

85 62.5 43.6 81.0

131 9.7 7.0 10.6



#59

Bromoform

Concen: 4.525 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.003 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

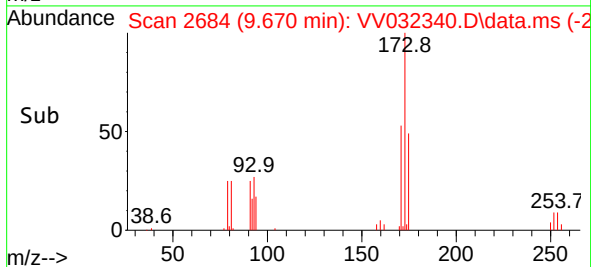
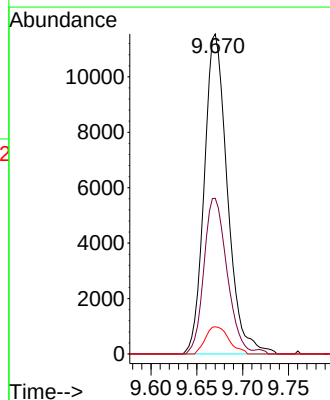
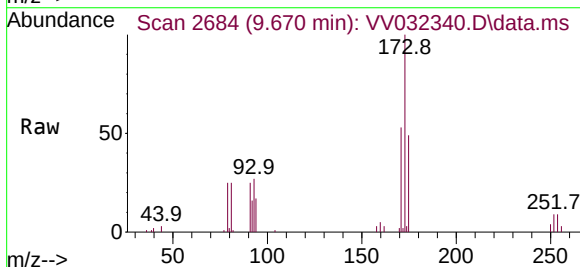
Tgt Ion: 173 Resp: 20295

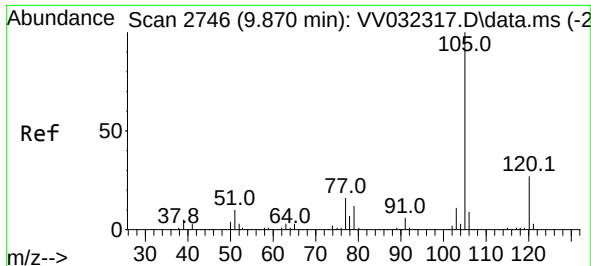
Ion Ratio Lower Upper

173 100

175 48.5 38.2 57.2

254 8.6 7.0 10.4

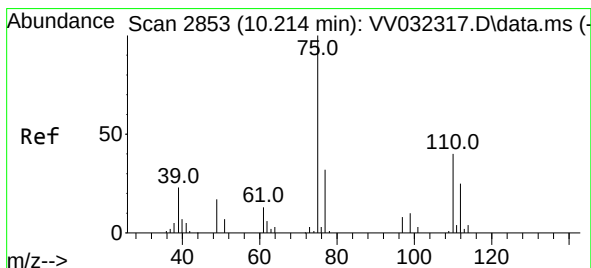
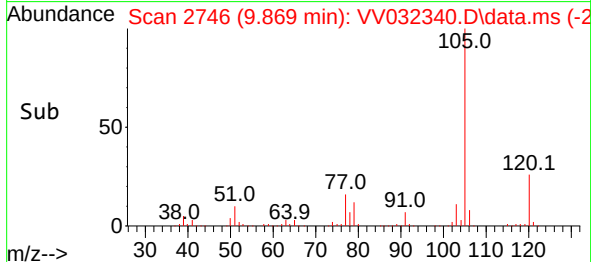
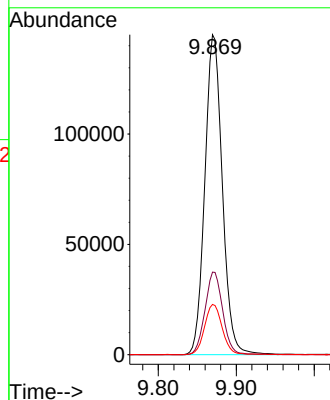
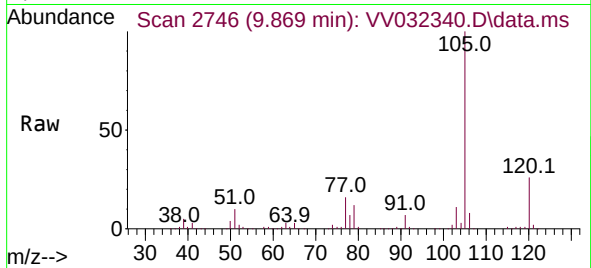




#60
Isopropylbenzene
Concen: 4.721 ug/L
RT: 9.869 min Scan# 2746
Delta R.T. -0.000 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

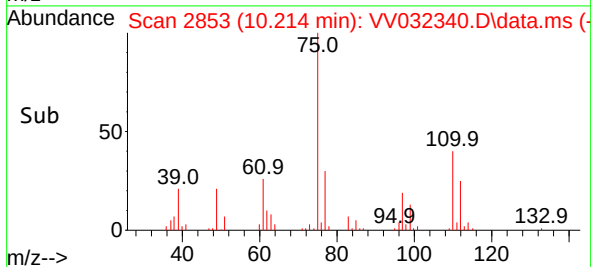
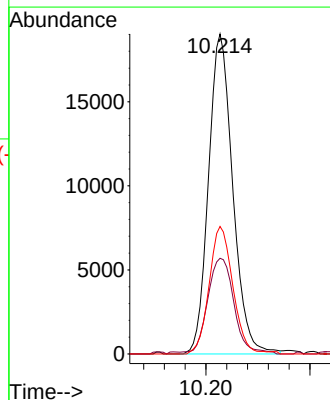
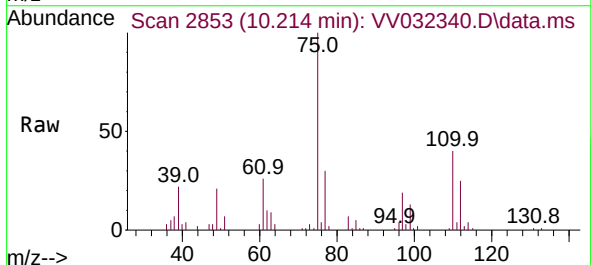
Instrument :
MSVOA_V
ClientSampleId :

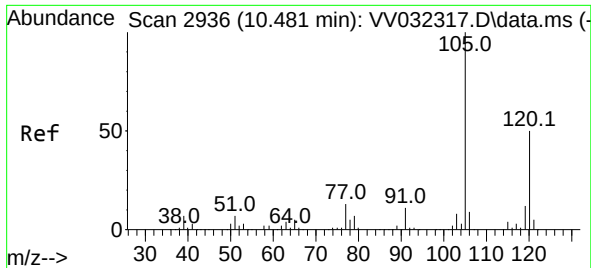
Tgt Ion:105 Resp: 226316
Ion Ratio Lower Upper
105 100
120 26.1 21.0 31.6
77 15.9 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.697 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

Tgt Ion: 75 Resp: 30833
Ion Ratio Lower Upper
75 100
77 32.5 26.2 39.2
110 39.2 30.6 46.0

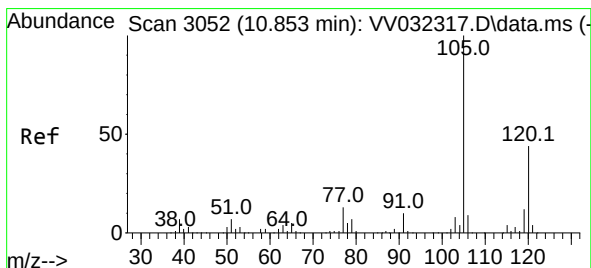
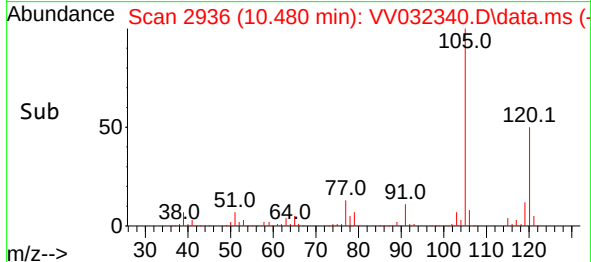
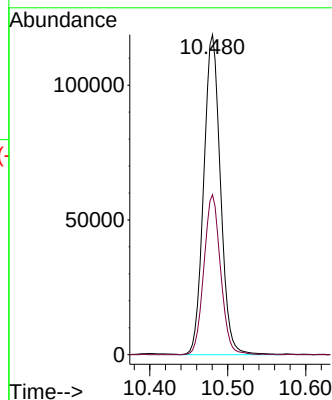
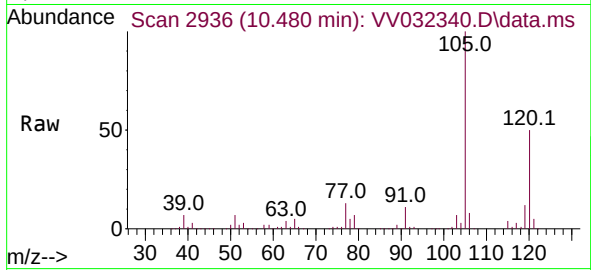




#62
1,3,5-Trimethylbenzene
Concen: 4.540 ug/L
RT: 10.480 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

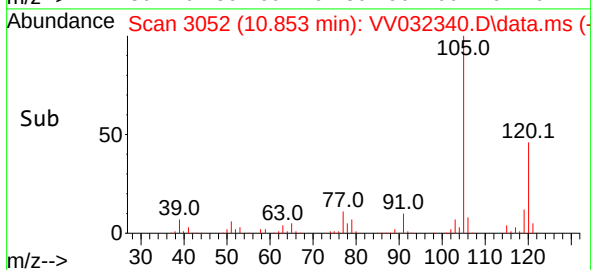
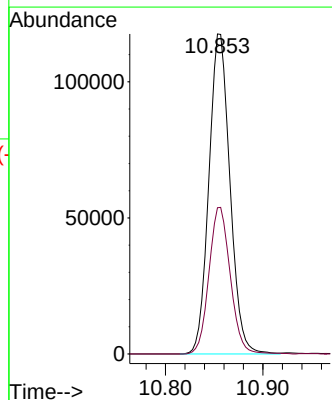
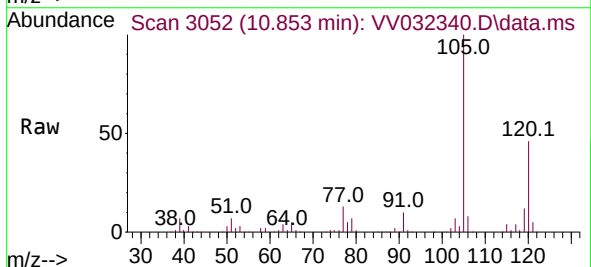
Instrument :
MSVOA_V
ClientSampleId :

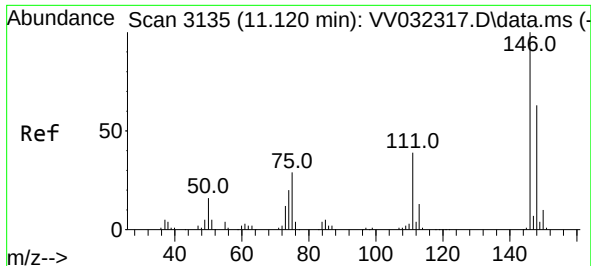
Tgt Ion:105 Resp: 177367
Ion Ratio Lower Upper
105 100
120 49.7 39.9 59.9



#63
1,2,4-Trimethylbenzene
Concen: 4.540 ug/L
RT: 10.853 min Scan# 3052
Delta R.T. -0.000 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

Tgt Ion:105 Resp: 176589
Ion Ratio Lower Upper
105 100
120 46.4 36.2 54.4

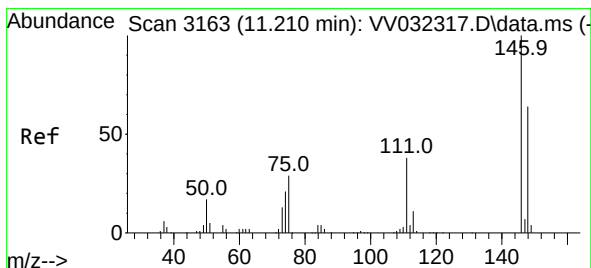
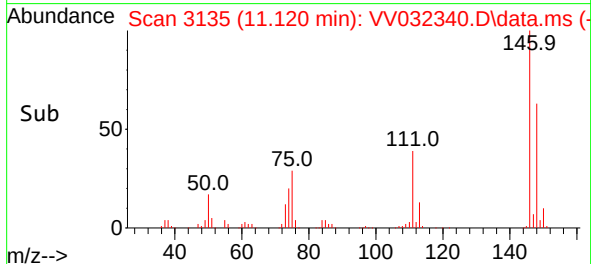
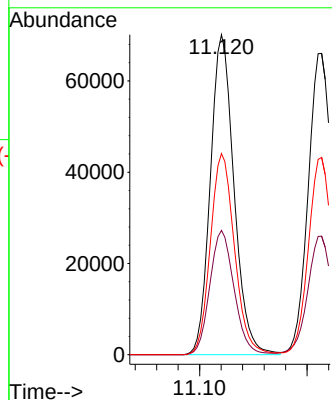
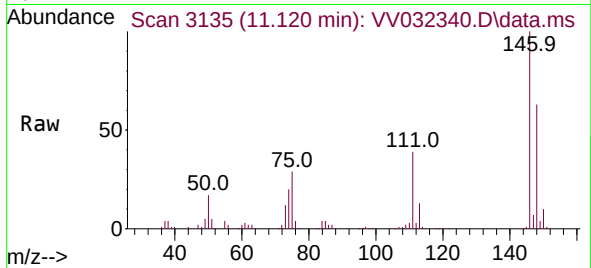




#64
1,3-Dichlorobenzene
Concen: 4.684 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

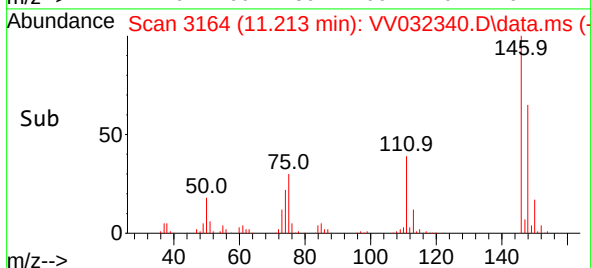
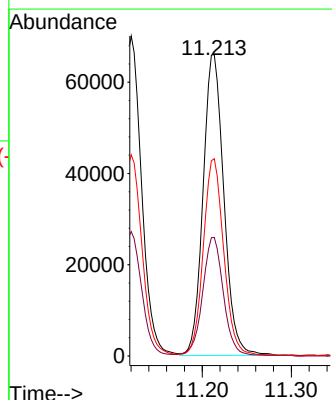
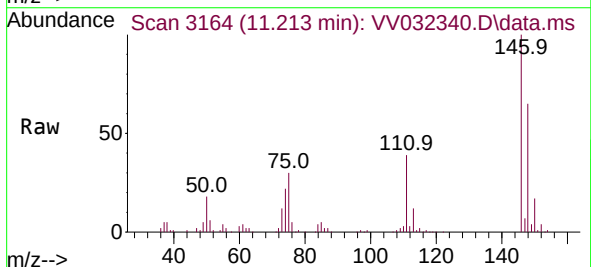
Instrument :
MSVOA_V
ClientSampleId :

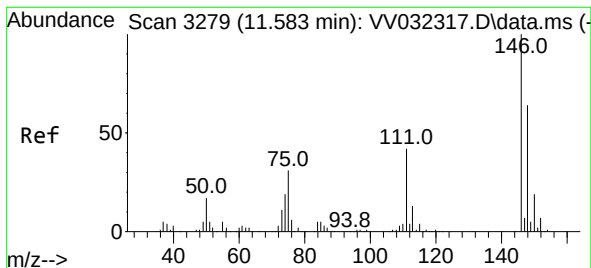
Tgt Ion:146 Resp: 107257
Ion Ratio Lower Upper
146 100
111 38.9 27.8 51.6
148 62.9 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 4.656 ug/L
RT: 11.213 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

Tgt Ion:146 Resp: 106973
Ion Ratio Lower Upper
146 100
111 39.3 26.9 49.9
148 65.4 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 4.753 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :

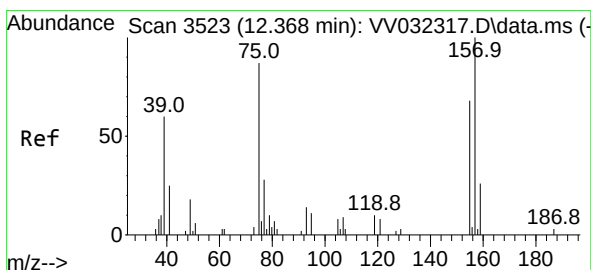
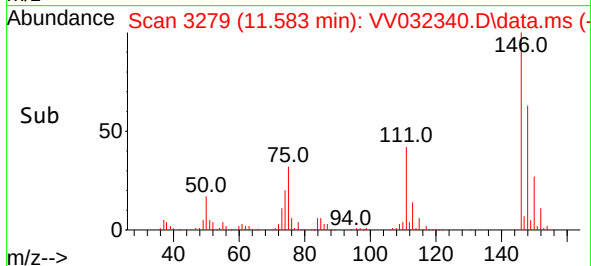
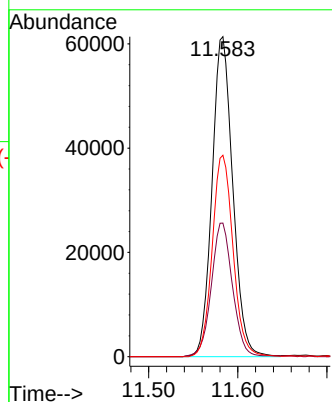
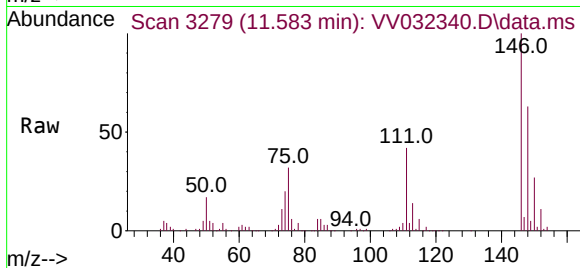
Tgt Ion:146 Resp: 99270

Ion Ratio Lower Upper

146 100

111 41.7 32.8 49.2

148 62.9 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.487 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.003 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

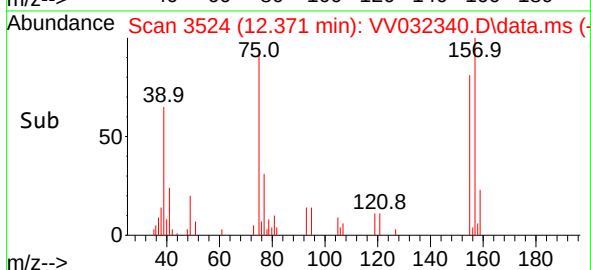
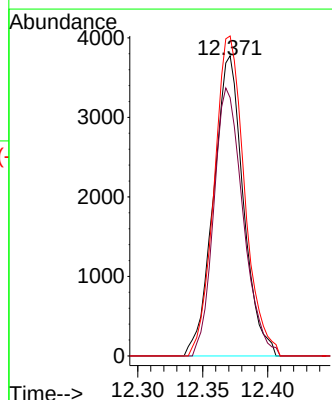
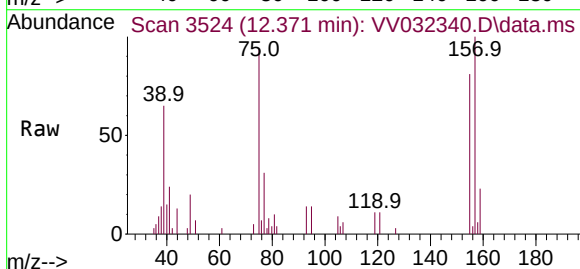
Tgt Ion: 75 Resp: 6018

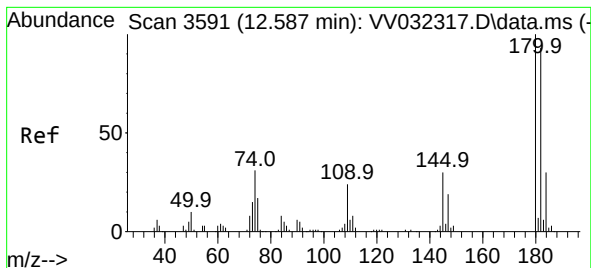
Ion Ratio Lower Upper

75 100

155 86.0 70.2 105.4

157 106.6 90.6 135.8





#69

1,3,5-Trichlorobenzene

Concen: 4.527 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. -0.000 min

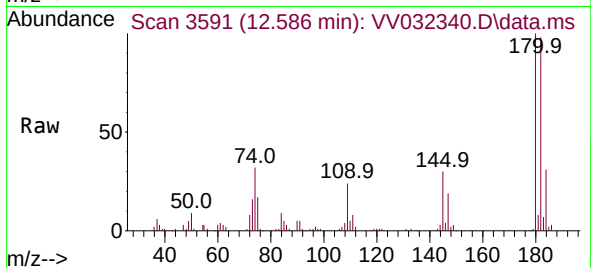
Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 75913

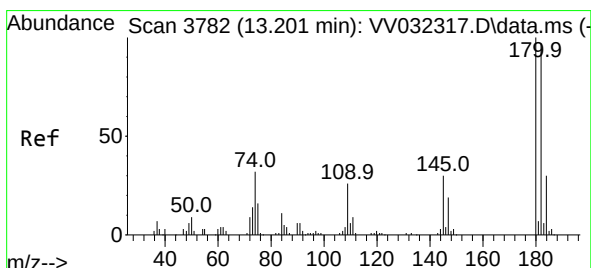
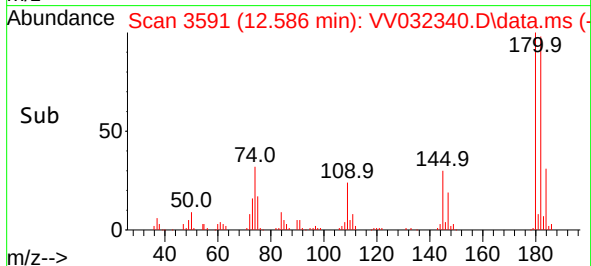
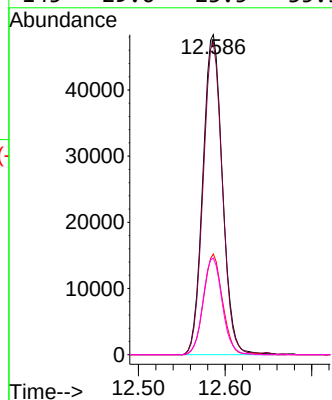
Ion Ratio Lower Upper

180 100

182 95.9 74.6 112.0

184 30.3 24.1 36.1

145 29.6 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 4.335 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV032340.D

Acq: 09 Oct 2023 19:48

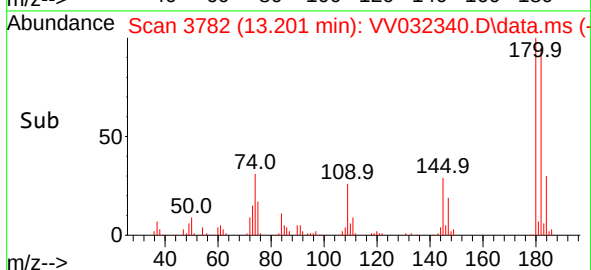
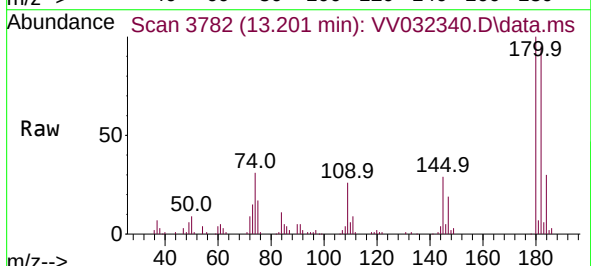
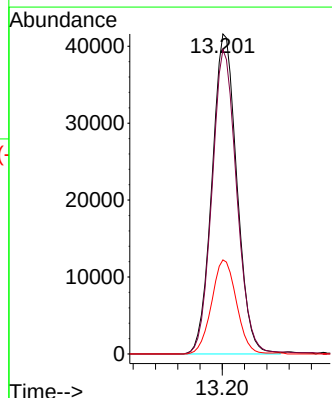
Tgt Ion:180 Resp: 64480

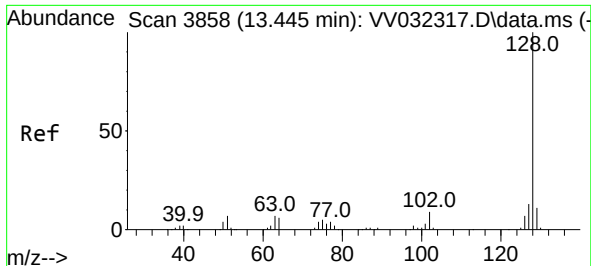
Ion Ratio Lower Upper

180 100

182 94.8 76.5 114.7

145 29.3 24.3 36.5

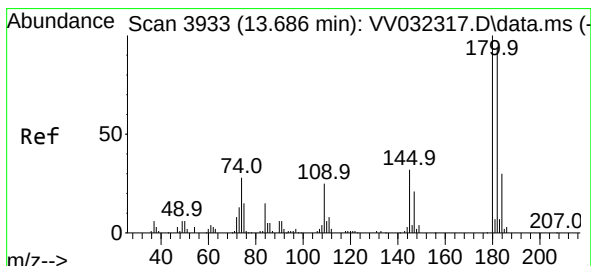
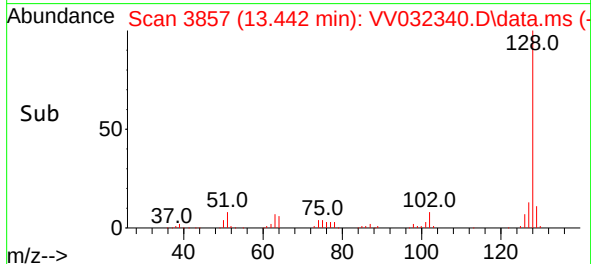
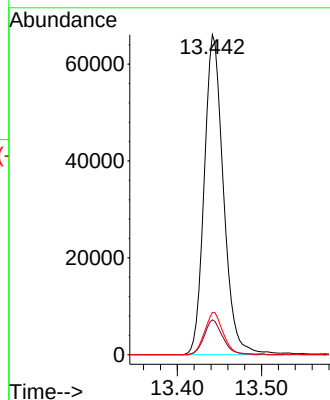
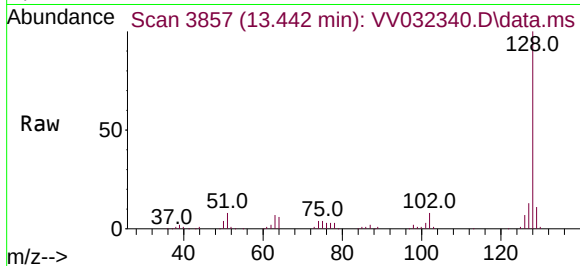




#71
Naphthalene
Concen: 4.153 ug/L
RT: 13.442 min Scan# 3858
Delta R.T. -0.003 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 104947
Ion Ratio Lower Upper
128 100
129 10.4 9.0 13.4
127 12.8 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.646 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. -0.000 min
Lab File: VV032340.D
Acq: 09 Oct 2023 19:48

Tgt Ion:180 Resp: 59545
Ion Ratio Lower Upper
180 100
182 94.1 77.0 115.4
145 32.4 25.7 38.5

