

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033321.D
 Acq On : 14 Dec 2023 09:28
 Operator : SY/MD
 Sample : 05770-11MSD
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E0Y81MSD

Quant Time: Dec 14 11:19:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 14 01:07:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	129409	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	131001	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	77310	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	44631	5.380	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.600%
7) Chloroethane-d5	1.532	69	32397	5.251	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.000%
11) 1,1-Dichloroethene-d2	2.060	65	18151	5.497	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.000%
20) 2-Butanone-d5	3.809	46	61388	62.530	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.060%
24) Chloroform-d	4.249	84	99780	5.767	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.400%
26) 1,2-Dichloroethane-d4	4.944	65	43813	5.827	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.600%
32) Benzene-d6	4.960	84	184082	5.432	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.600%
36) 1,2-Dichloropropane-d6	5.992	67	42200	5.471	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.400%
41) Toluene-d8	7.243	98	184269	5.580	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.600%
43) trans-1,3-Dichloroprop...	7.555	79	18660	5.303	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.000%
46) 2-Hexanone-d5	8.031	63	65103	66.272	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	132.540%#
56) 1,1,2,2-Tetrachloroeth...	10.153	84	32634	6.256	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	125.200%#
66) 1,2-Dichlorobenzene-d4	11.561	152	74955	5.505	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	85984	5.326	ug/L	98
3) Chloromethane	1.214	50	48533	5.258	ug/L	98
5) Vinyl chloride	1.282	62	49451	5.294	ug/L	95
6) Bromomethane	1.491	94	27523	4.495	ug/L	96
8) Chloroethane	1.552	64	26146	4.851	ug/L	91
9) Trichlorofluoromethane	1.716	101	89239	5.207	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	40251	5.079	ug/L	96
12) 1,1-Dichloroethene	2.073	96	38683	5.221	ug/L	87
13) Acetone	2.143	43	37516	53.992	ug/L #	58
14) Carbon disulfide	2.243	76	129315	5.360	ug/L	100
15) Methyl Acetate	2.388	43	7373	4.004	ug/L	91
16) Methylene chloride	2.449	84	42039	4.926	ug/L	98
17) Methyl tert-butyl Ether	2.703	73	83581	5.478	ug/L	98
18) trans-1,2-Dichloroethene	2.696	96	47862	5.335	ug/L	92
19) 1,1-Dichloroethane	3.111	63	72667	5.162	ug/L	98
21) 2-Butanone	3.899	43	55446	54.775	ug/L	98
22) cis-1,2-Dichloroethene	3.818	96	53276	5.749	ug/L	95
23) Bromochloromethane	4.153	128	22403	5.598	ug/L	98
25) Chloroform	4.278	83	90633	5.461	ug/L	100

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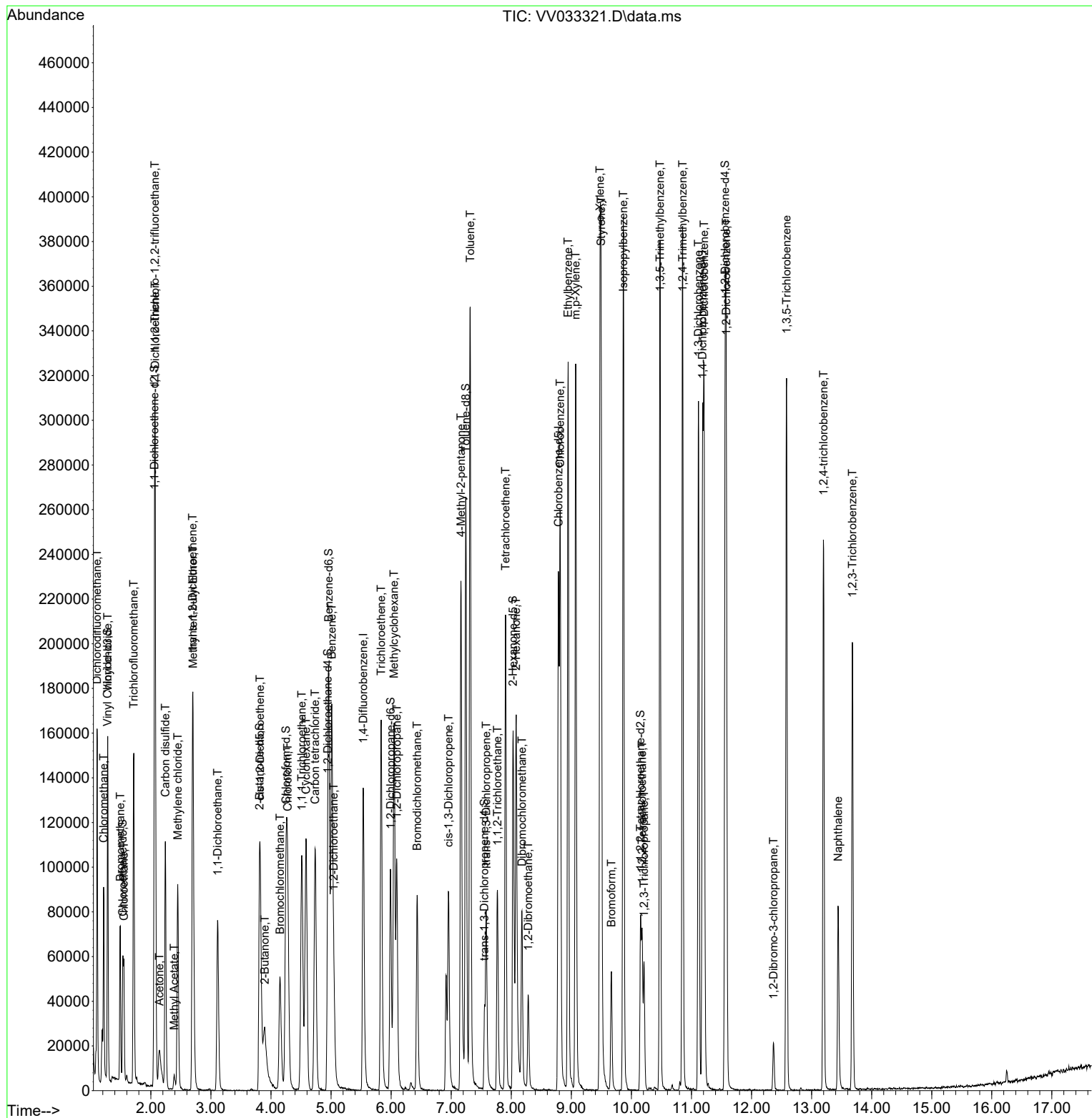
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	50062	5.495	ug/L	97
29) 1,1,1-Trichloroethane	4.513	97	92775	5.108	ug/L	98
30) Cyclohexane	4.584	56	57761	4.983	ug/L	98
31) Carbon tetrachloride	4.735	117	87591	5.161	ug/L	100
33) Benzene	5.011	78	183362	5.224	ug/L	100
34) Trichloroethene	5.834	95	56527	5.523	ug/L	94
35) Methylcyclohexane	6.050	83	72830	4.805	ug/L	99
37) 1,2-Dichloropropane	6.095	63	36021	5.102	ug/L #	92
38) Bromodichloromethane	6.432	83	60470	5.337	ug/L	97
39) cis-1,3-Dichloropropene	6.957	75	55250	4.819	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	142433	57.012	ug/L	99
42) Toluene	7.317	91	267239	6.647	ug/L	98
44) trans-1,3-Dichloropropene	7.584	75	47280	4.947	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	29487	5.423	ug/L	98
47) Tetrachloroethene	7.905	164	48311	4.986	ug/L	96
48) 2-Hexanone	8.082	43	104740	58.169	ug/L	99
49) Dibromochloromethane	8.178	129	42257	5.541	ug/L	97
50) 1,2-Dibromoethane	8.281	107	27714	5.489	ug/L	99
51) Chlorobenzene	8.815	112	151028	5.484	ug/L	99
52) Ethylbenzene	8.947	91	235002	5.217	ug/L	100
53) m,p-Xylene	9.072	106	98367	5.306	ug/L	97
54) o-Xylene	9.477	106	94167	5.363	ug/L	93
55) Styrene	9.497	104	159439	5.535	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	30510	5.758	ug/L	97
59) Bromoform	9.667	173	25547	5.379	ug/L	99
60) Isopropylbenzene	9.866	105	254238	4.964	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	21740	5.306	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	207286	4.949	ug/L	98
63) 1,2,4-Trimethylbenzene	10.854	105	213972	5.164	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	135155	5.185	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	134517	5.187	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	117734	5.254	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	5556	5.798	ug/L	88
69) 1,3,5-Trichlorobenzene	12.583	180	104683	5.031	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	81394	5.078	ug/L	97
71) Naphthalene	13.442	128	76759	4.134	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	66631	5.179	ug/L	96

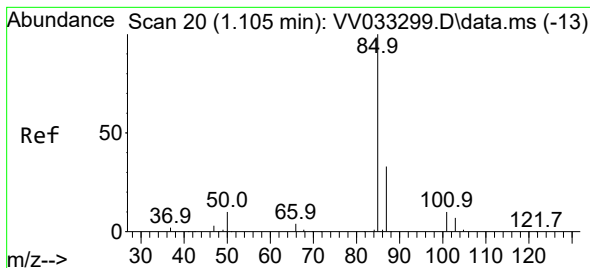
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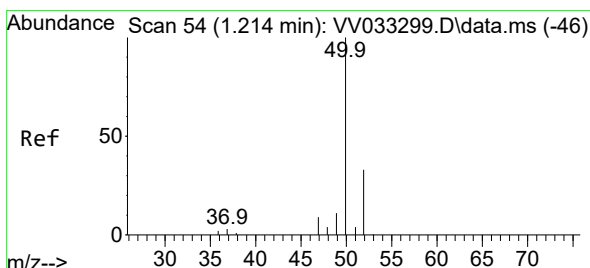
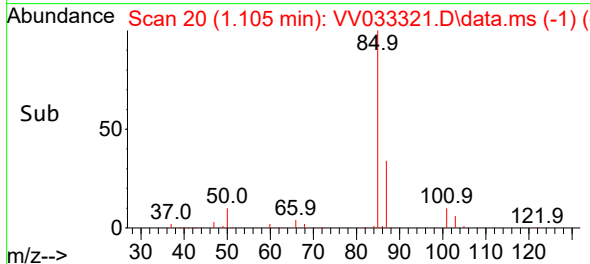
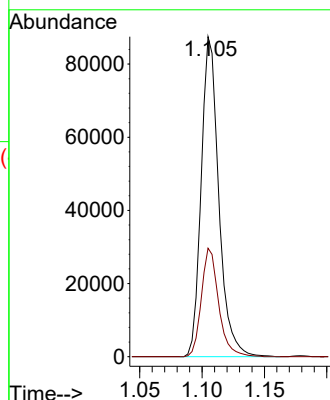
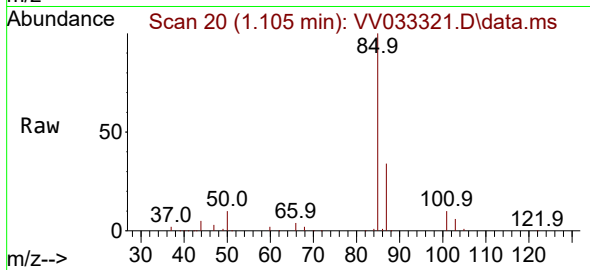




#2
 Dichlorodifluoromethane
 Concen: 5.326 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV033321.D
 Acq: 14 Dec 2023 09:28

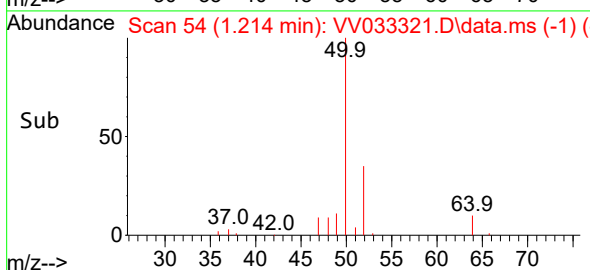
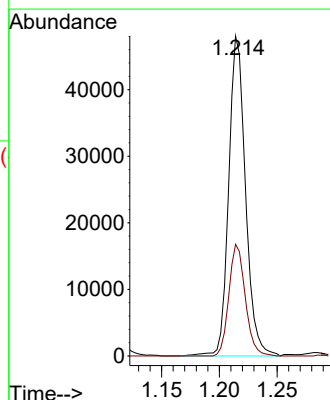
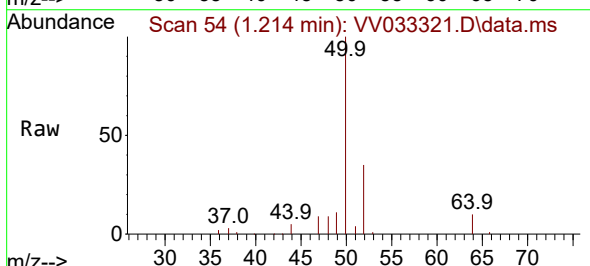
Instrument :
 MSVOA_V
 ClientSampleId :
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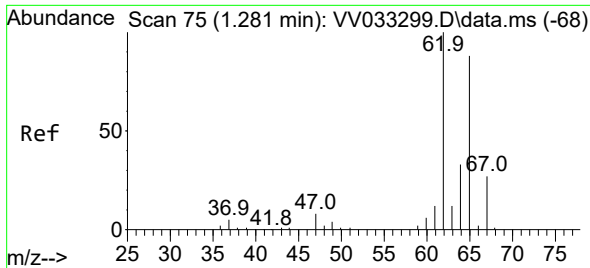
Tgt Ion: 85 Resp: 85984
 Ion Ratio Lower Upper
 85 100
 87 33.2 27.4 41.2



#3
 Chloromethane
 Concen: 5.258 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV033321.D
 Acq: 14 Dec 2023 09:28

Tgt Ion: 50 Resp: 48533
 Ion Ratio Lower Upper
 50 100
 52 34.9 23.8 44.2

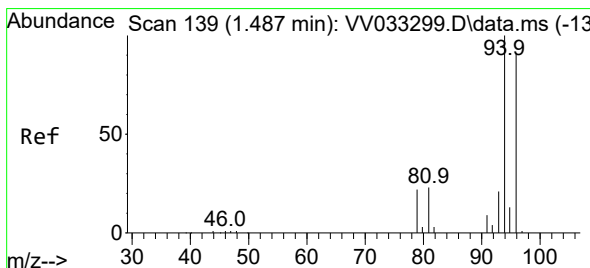
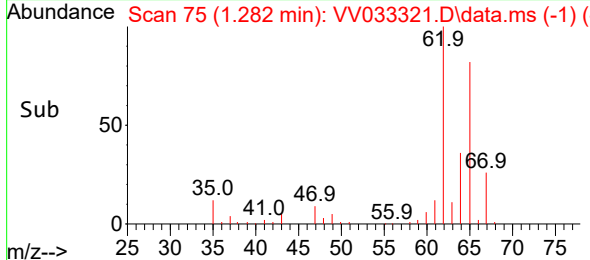
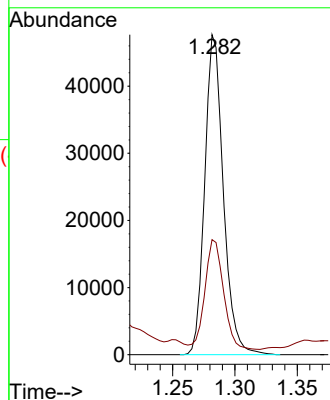
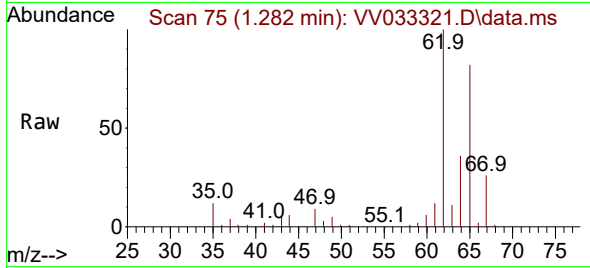




#5
 Vinyl chloride
 Concen: 5.294 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV033321.D
 Acq: 14 Dec 2023 09:28

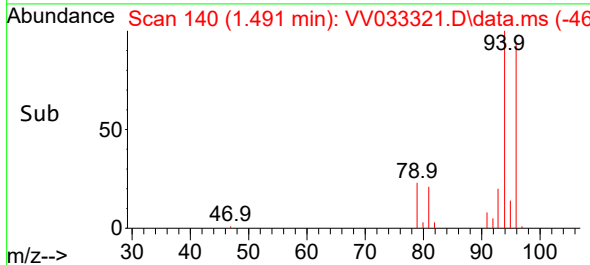
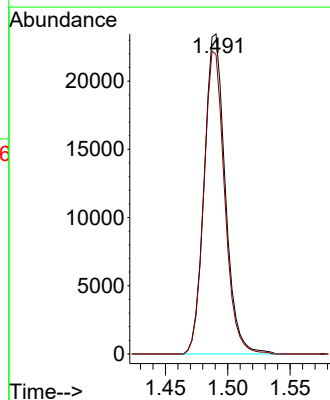
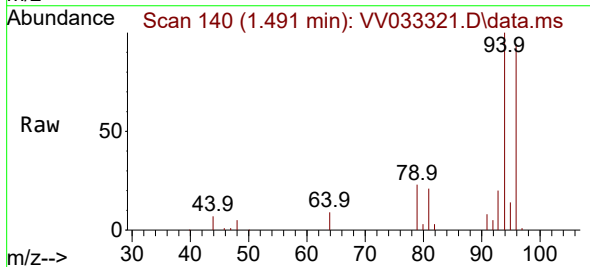
Instrument :
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 ClientSampleId :
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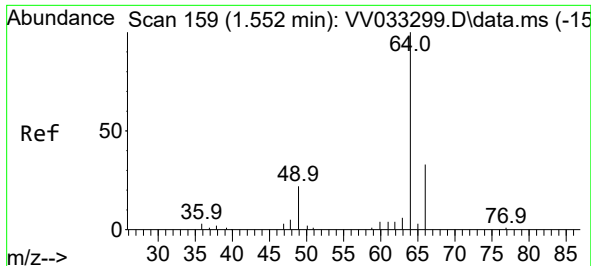
Tgt Ion: 62 Resp: 49451
 Ion Ratio Lower Upper
 62 100
 64 35.9 23.0 42.8



#6
 Bromomethane
 Concen: 4.495 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.003 min
 Lab File: VV033321.D
 Acq: 14 Dec 2023 09:28

Tgt Ion: 94 Resp: 27523
 Ion Ratio Lower Upper
 94 100
 96 93.6 68.3 126.8

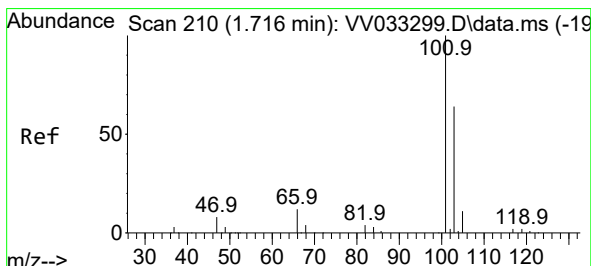
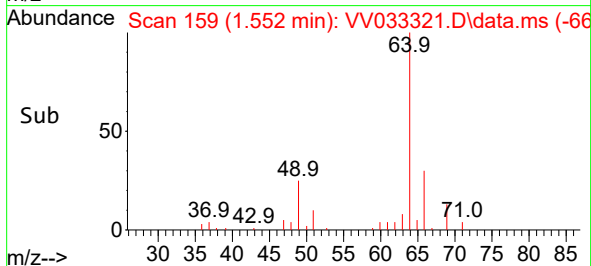
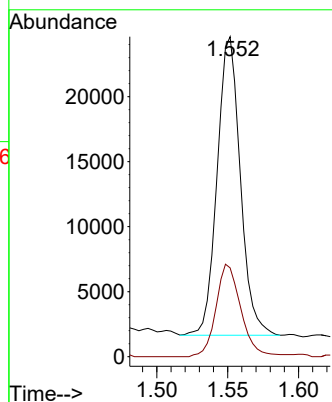
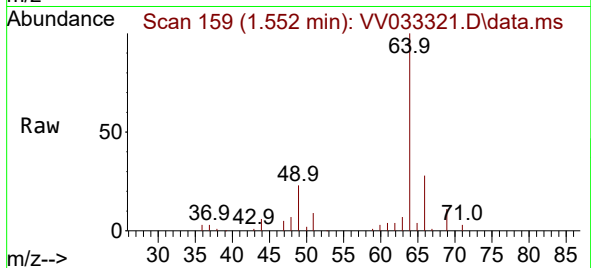




#8
Chloroethane
Concen: 4.851 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

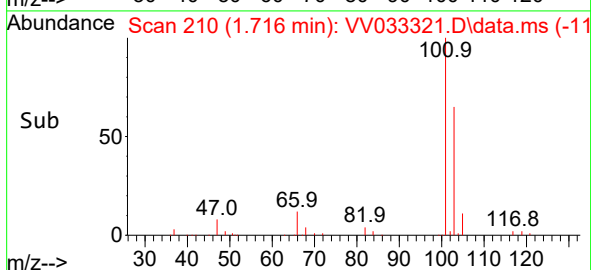
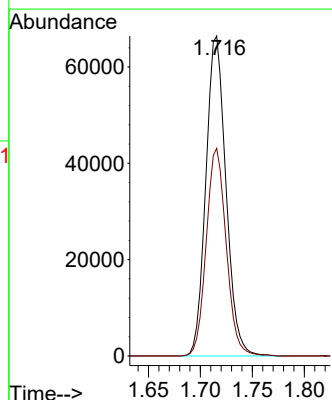
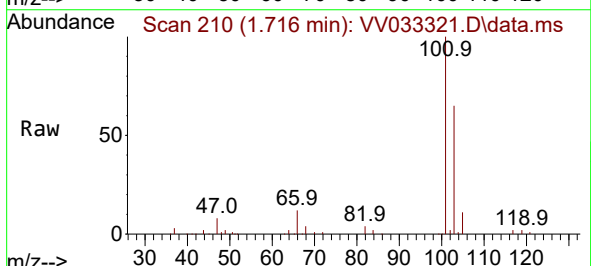
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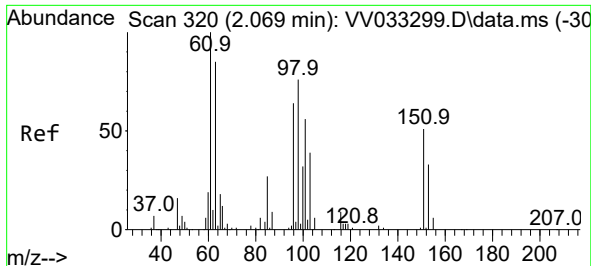
Tgt Ion: 64 Resp: 26146
Ion Ratio Lower Upper
64 100
66 27.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.207 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

Tgt Ion:101 Resp: 89239
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.8

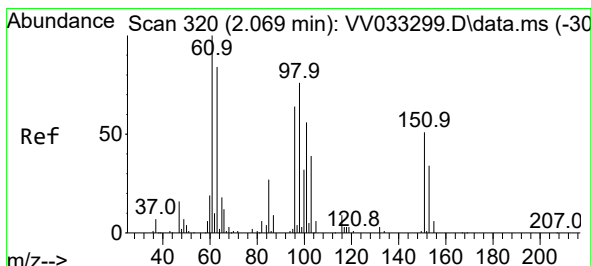
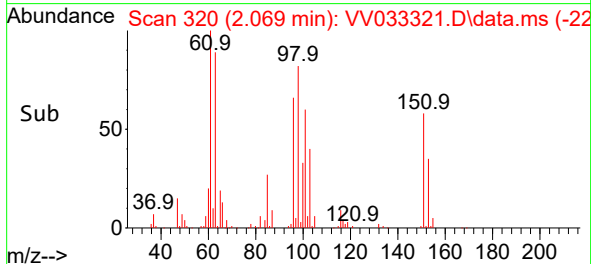
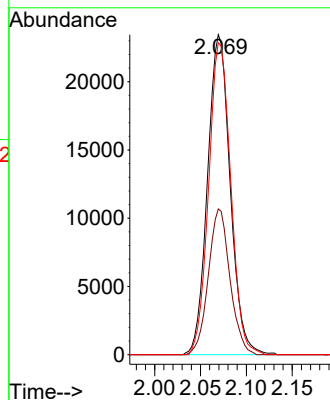
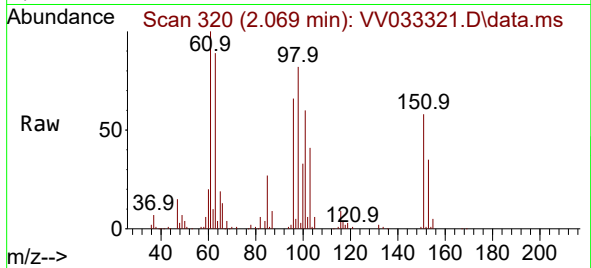




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.079 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV033321.D
 Acq: 14 Dec 2023 09:28

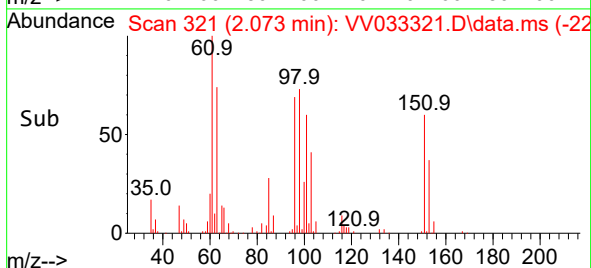
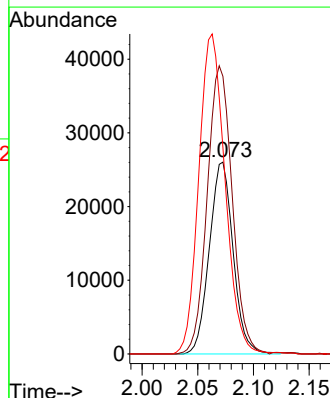
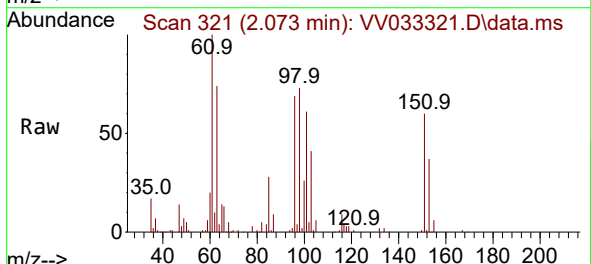
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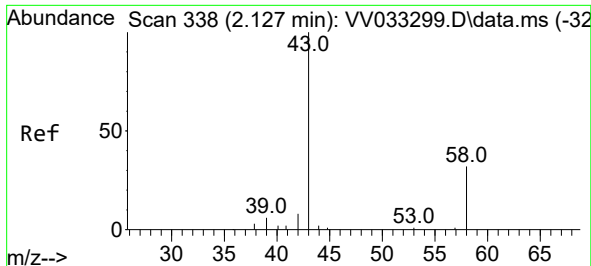
Tgt Ion:101 Resp: 40251
 Ion Ratio Lower Upper
 101 100
 85 43.5 36.2 54.2
 151 95.1 72.8 109.2



#12
 1,1-Dichloroethene
 Concen: 5.221 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.003 min
 Lab File: VV033321.D
 Acq: 14 Dec 2023 09:28

Tgt Ion: 96 Resp: 38683
 Ion Ratio Lower Upper
 96 100
 61 144.7 111.6 207.2
 63 107.6 87.1 161.7





#13

Acetone

Concen: 53.992 ug/L

RT: 2.143 min Scan# 34

Delta R.T. 0.016 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

Instrument :

MSVOA_V

ClientSampleId :

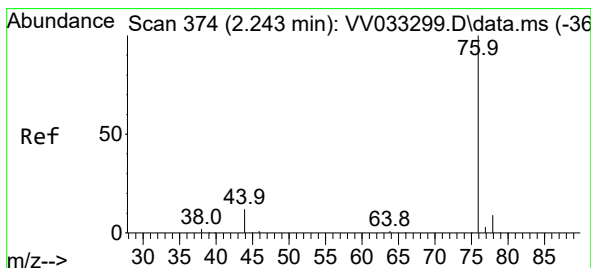
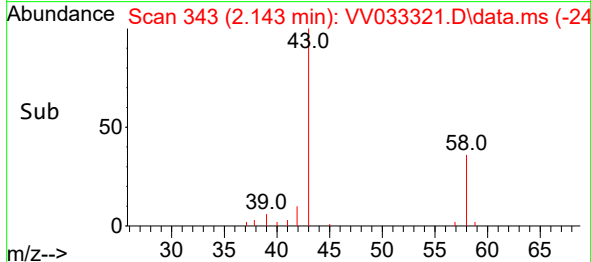
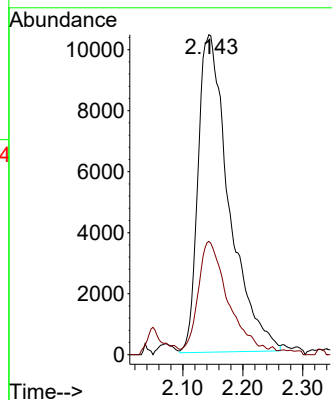
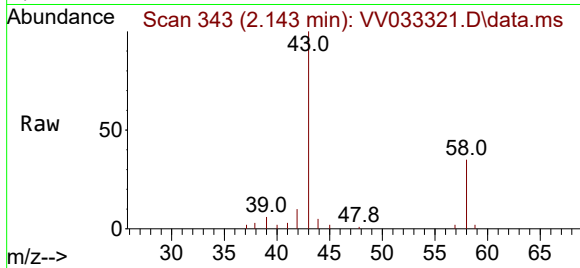
E0Y81MSD

Tgt Ion: 43 Resp: 37516

Ion Ratio Lower Upper

43 100

58 32.5 0.0 30.2#



#14

Carbon disulfide

Concen: 5.360 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV033321.D

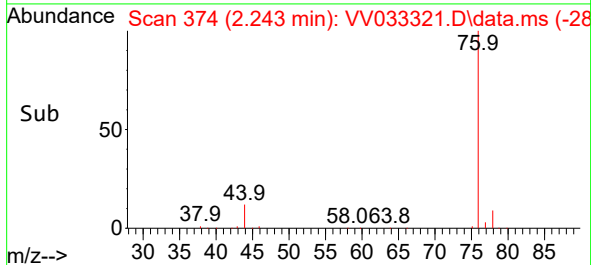
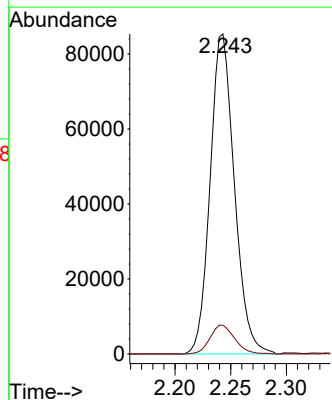
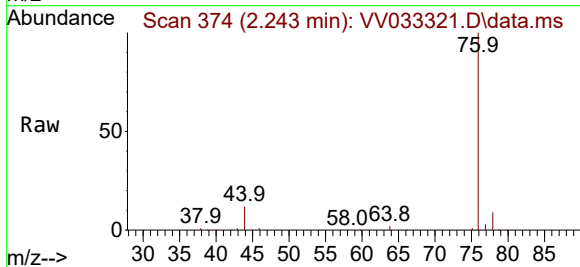
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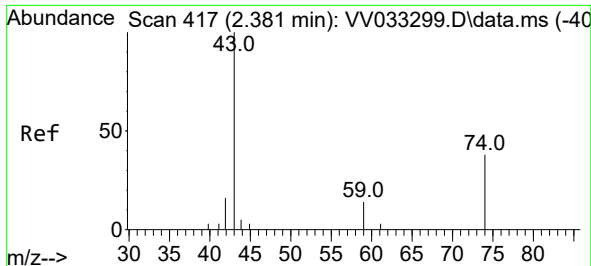
Tgt Ion: 76 Resp: 129315

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methyl Acetate

Concen: 4.004 ug/L

RT: 2.388 min Scan# 41

Delta R.T. 0.007 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

Instrument :

MSVOA_V

ClientSampleId :

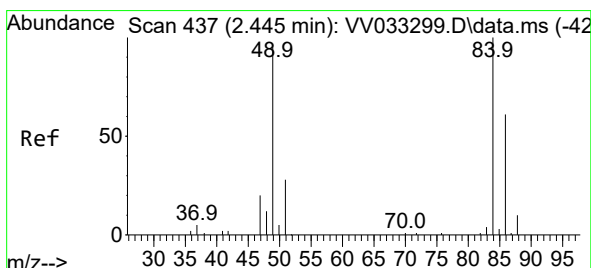
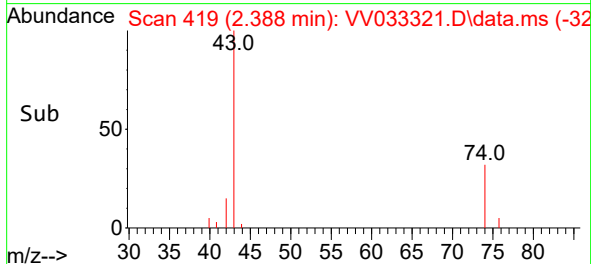
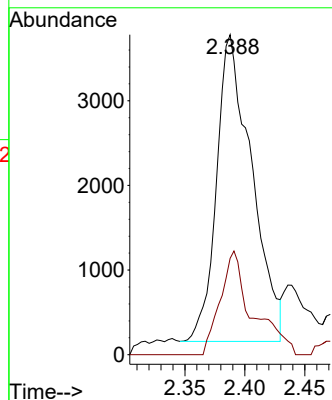
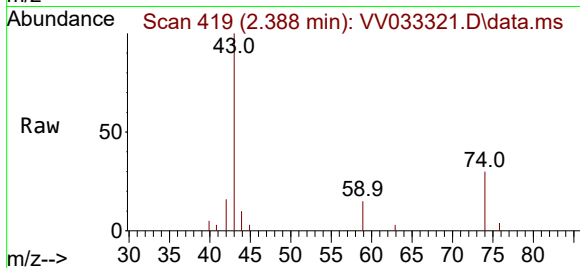
E0Y81MSD

Tgt Ion: 43 Resp: 7373

Ion Ratio Lower Upper

43 100

74 31.0 21.0 31.6



#16

Methylene chloride

Concen: 4.926 ug/L

RT: 2.449 min Scan# 438

Delta R.T. 0.003 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

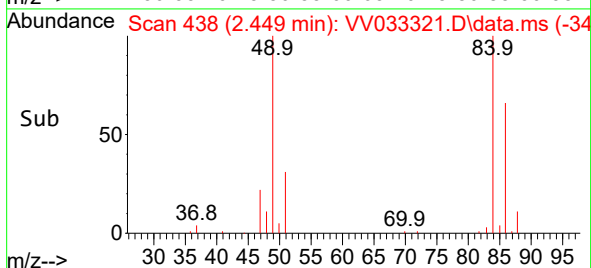
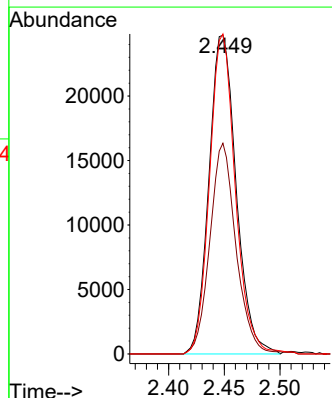
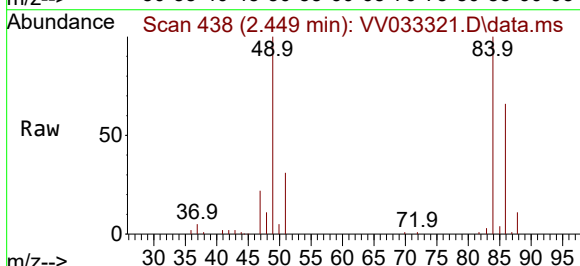
Tgt Ion: 84 Resp: 42039

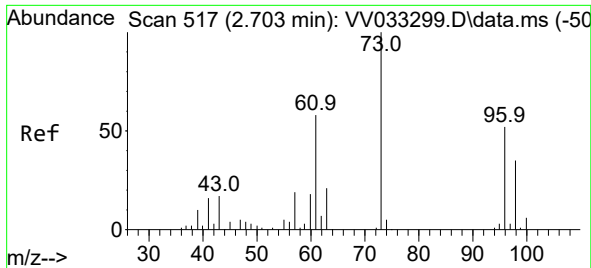
Ion Ratio Lower Upper

84 100

86 66.2 47.5 88.1

49 100.4 68.9 127.9

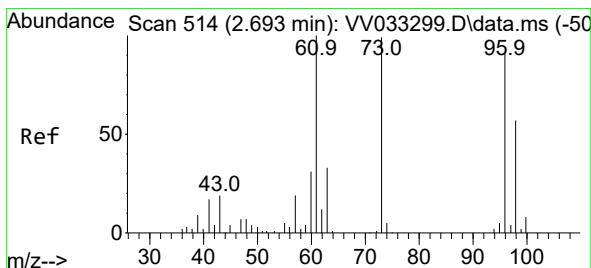
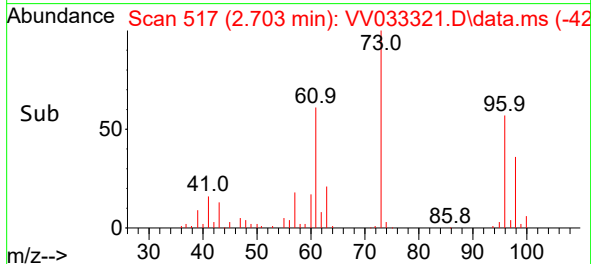
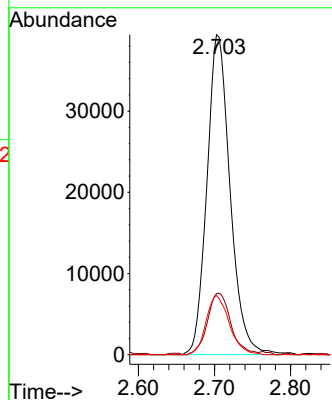
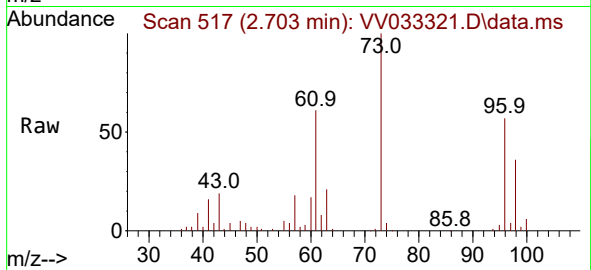




#17
Methyl tert-butyl Ether
Concen: 5.478 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

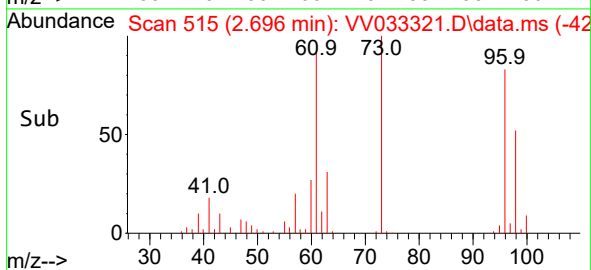
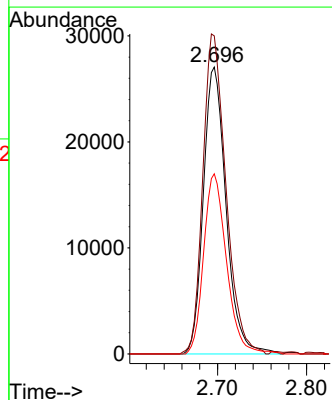
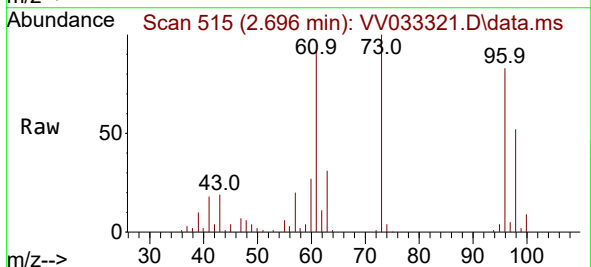
Instrument :
MSVOA_V
ClientSampleId :
E0Y81MSD

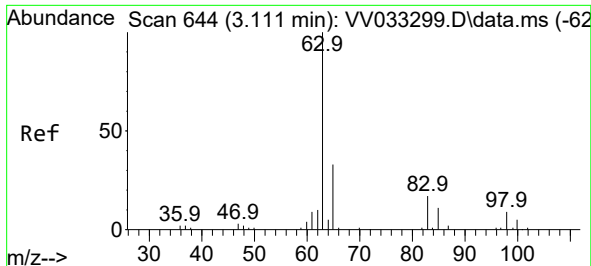
Tgt Ion: 73	Resp: 83581
Ion Ratio	Lower Upper
73	100
43	19.4 16.0 24.0
57	18.5 15.6 23.4



#18
trans-1,2-Dichloroethene
Concen: 5.335 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

Tgt Ion: 96	Resp: 47862
Ion Ratio	Lower Upper
96	100
61	110.9 84.6 157.2
98	62.8 46.7 86.7

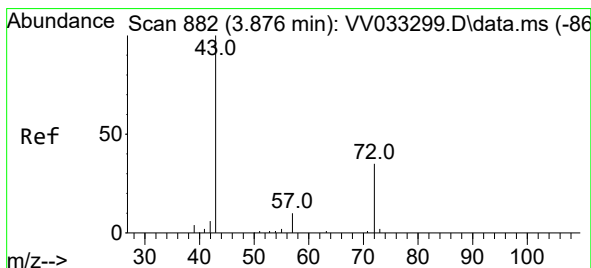
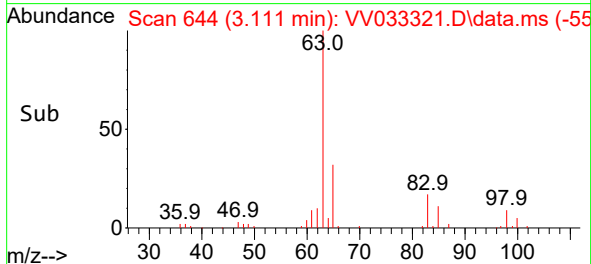
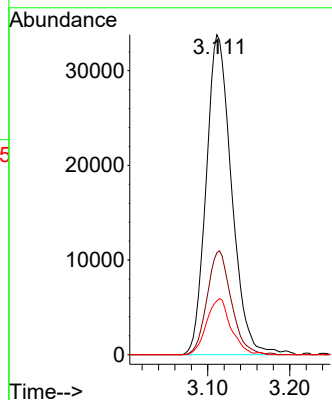
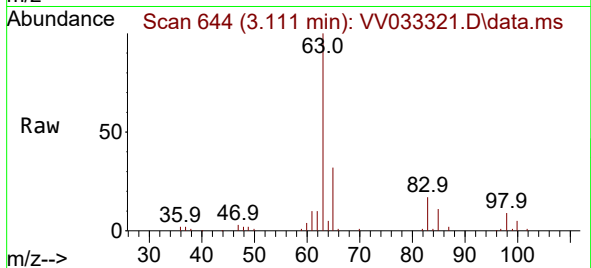




#19
1,1-Dichloroethane
Concen: 5.162 ug/L
RT: 3.111 min Scan# 644
Delta R.T. 0.000 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

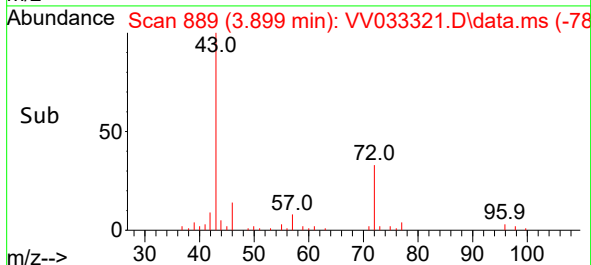
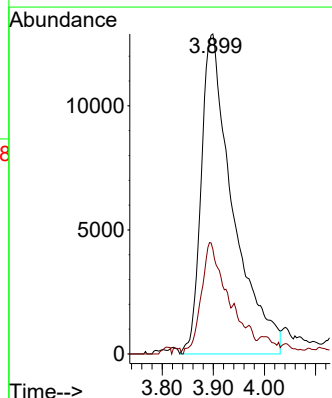
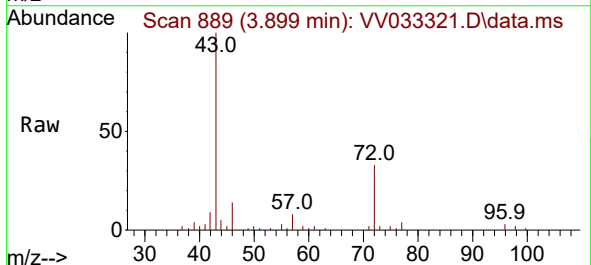
Instrument :
MSVOA_V
ClientSampleId :
E0Y81MSD

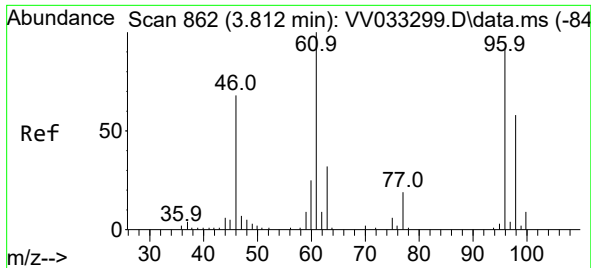
Tgt Ion: 63 Resp: 72667
Ion Ratio Lower Upper
63 100
65 31.9 22.9 42.5
83 16.8 12.6 23.4



#21
2-Butanone
Concen: 54.775 ug/L
RT: 3.899 min Scan# 889
Delta R.T. 0.023 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

Tgt Ion: 43 Resp: 55446
Ion Ratio Lower Upper
43 100
72 28.6 14.8 44.3

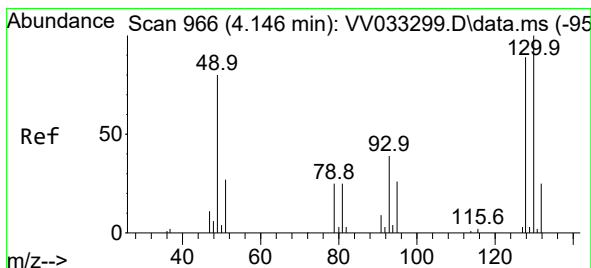
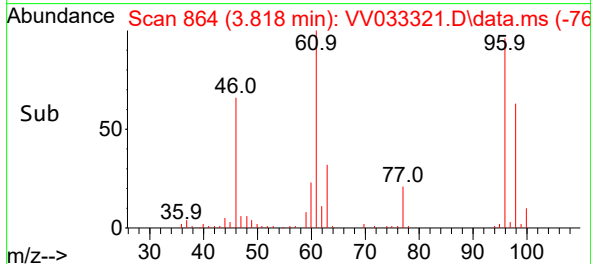
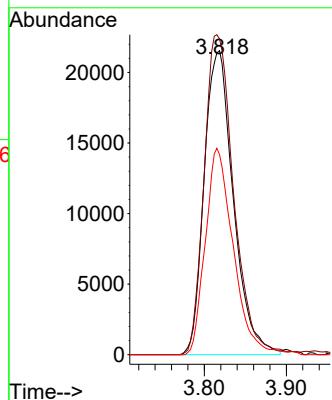
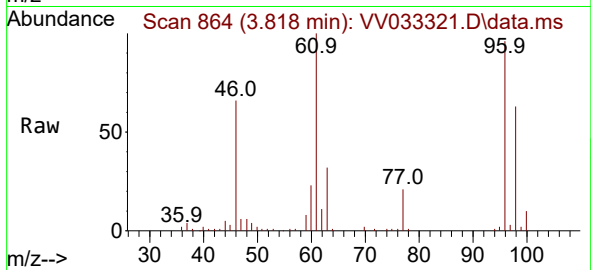




#22
 cis-1,2-Dichloroethene
 Concen: 5.749 ug/L
 RT: 3.818 min Scan# 862
 Delta R.T. 0.007 min
 Lab File: VV033321.D
 Acq: 14 Dec 2023 09:28

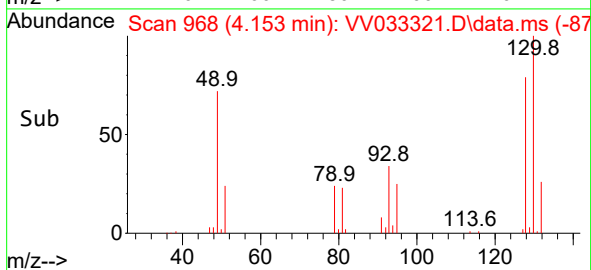
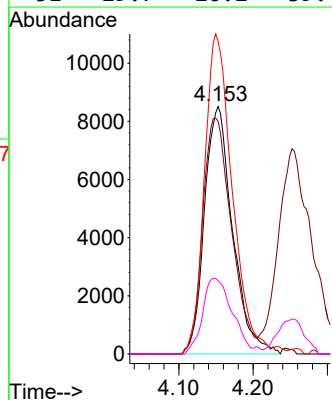
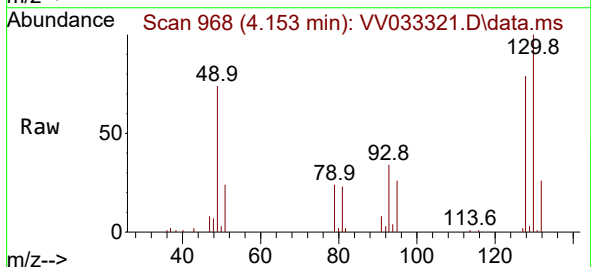
Instrument :
 MSVOA_V
 ClientSampleId :
 E0Y81MSD

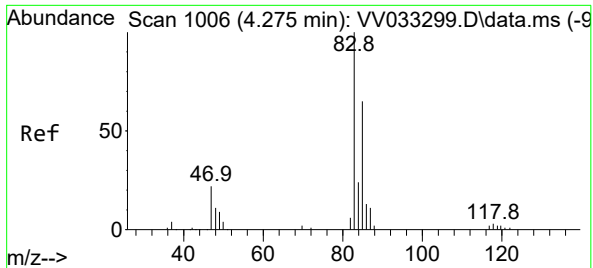
Tgt Ion: 96 Resp: 53276
 Ion Ratio Lower Upper
 96 100
 61 103.8 69.9 129.9
 98 65.8 42.4 78.8



#23
 Bromochloromethane
 Concen: 5.598 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. 0.007 min
 Lab File: VV033321.D
 Acq: 14 Dec 2023 09:28

Tgt Ion: 128 Resp: 22403
 Ion Ratio Lower Upper
 128 100
 49 94.0 65.8 122.2
 130 126.3 91.1 169.3
 51 29.7 26.2 39.4

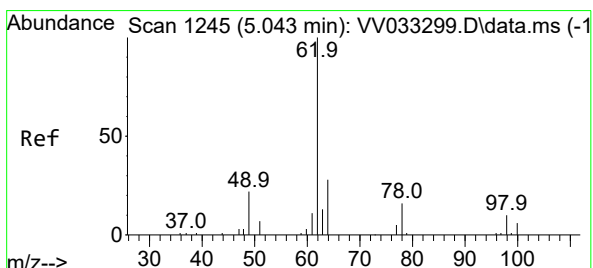
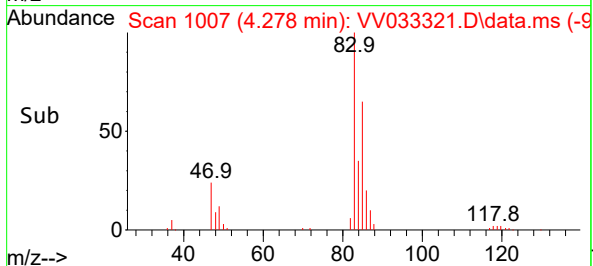
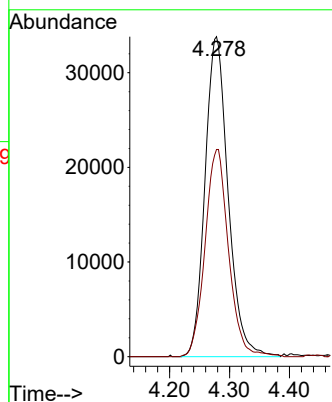
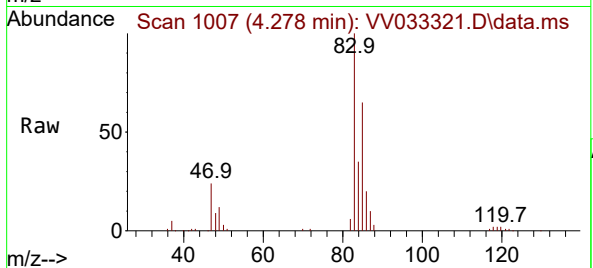




#25
Chloroform
Concen: 5.461 ug/L
RT: 4.278 min Scan# 1006
Delta R.T. 0.003 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

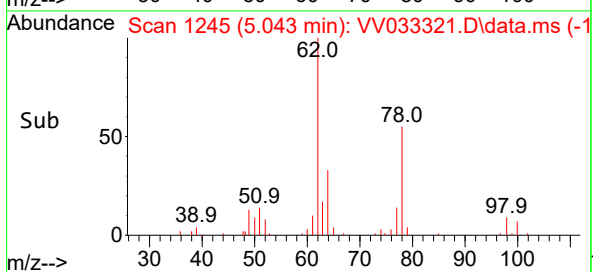
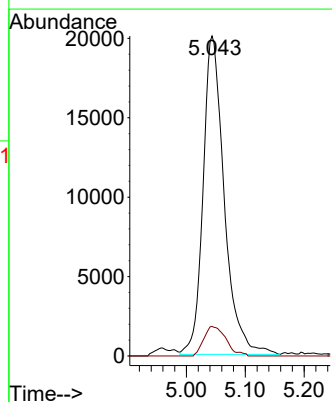
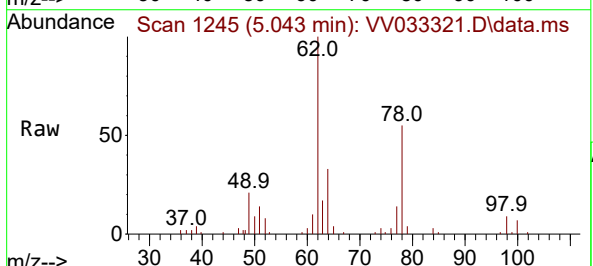
Instrument :
MSVOA_V
ClientSampleId :
E0Y81MSD

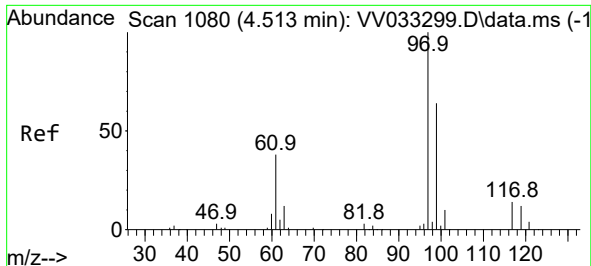
Tgt Ion: 83 Resp: 90633
Ion Ratio Lower Upper
83 100
85 64.8 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.495 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. 0.000 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

Tgt Ion: 62 Resp: 50062
Ion Ratio Lower Upper
62 100
98 9.2 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 5.108 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

Instrument :

MSVOA_V

ClientSampleId :

E0Y81MSD

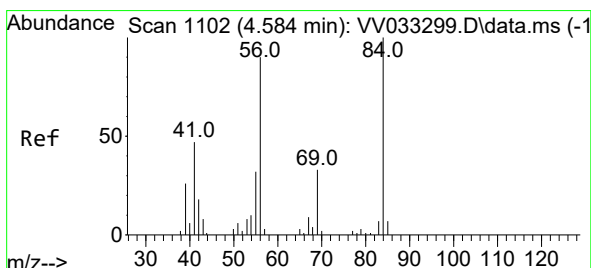
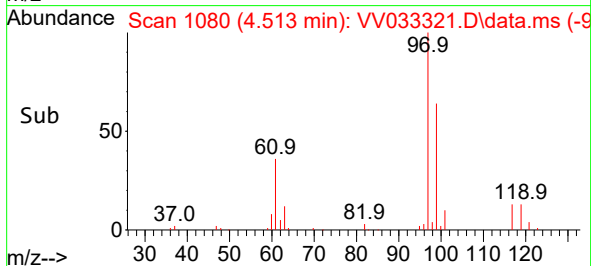
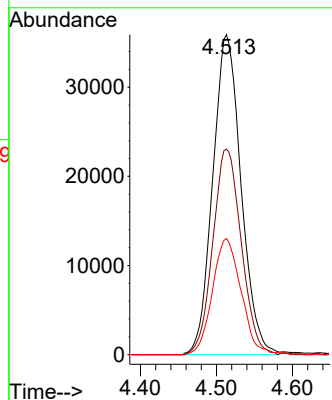
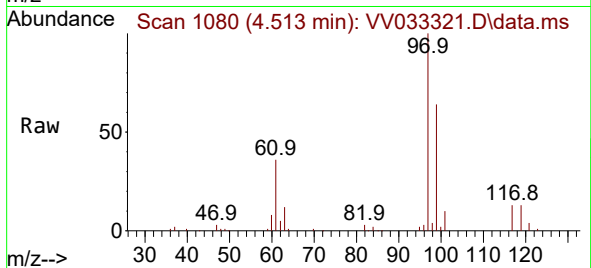
Tgt Ion: 97 Resp: 92775

Ion Ratio Lower Upper

97 100

99 64.5 52.8 79.2

61 36.7 30.3 45.5



#30

Cyclohexane

Concen: 4.983 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

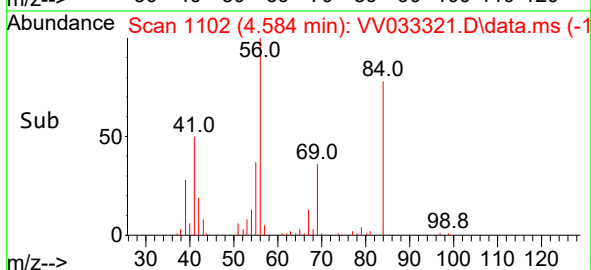
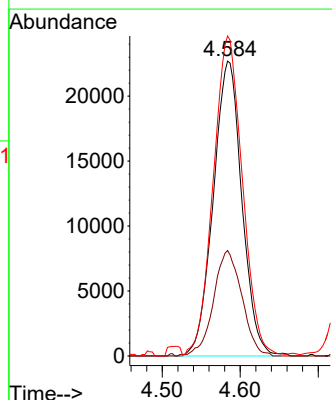
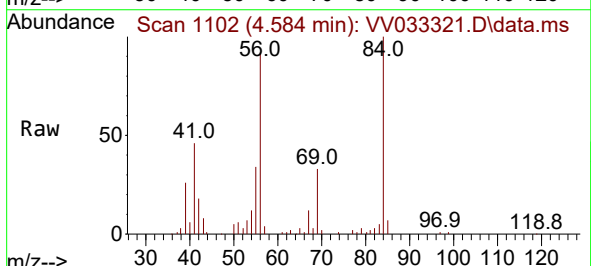
Tgt Ion: 56 Resp: 57761

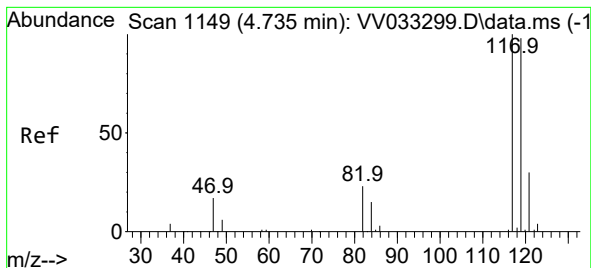
Ion Ratio Lower Upper

56 100

69 35.5 28.8 43.2

84 110.1 86.2 129.4





#31

Carbon tetrachloride

Concen: 5.161 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

Instrument :

MSVOA_V

ClientSampleId :

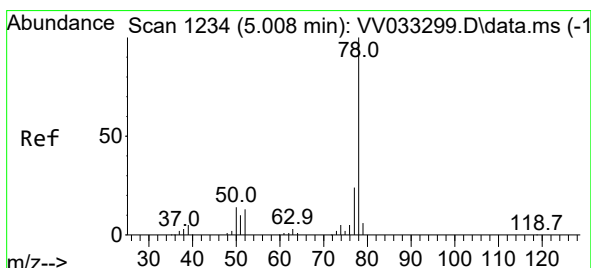
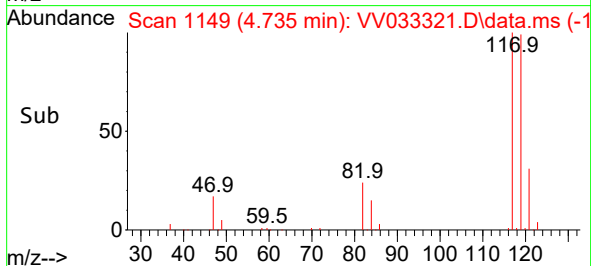
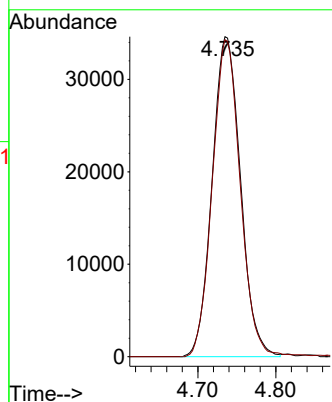
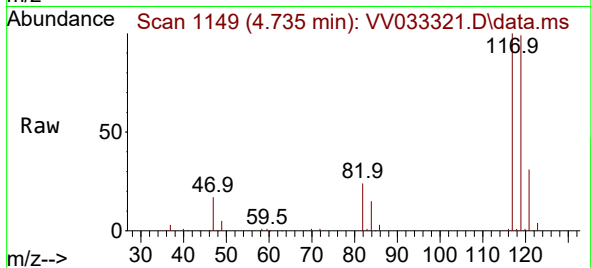
E0Y81MSD

Tgt Ion:117 Resp: 87591

Ion Ratio Lower Upper

117 100

119 97.6 77.8 116.8



#33

Benzene

Concen: 5.224 ug/L

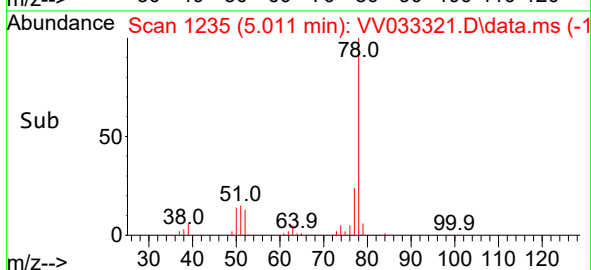
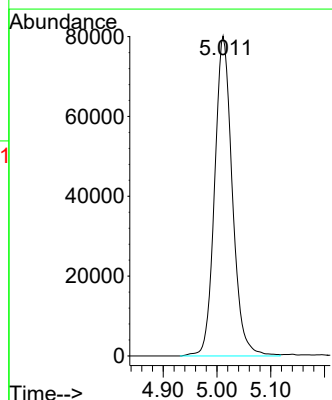
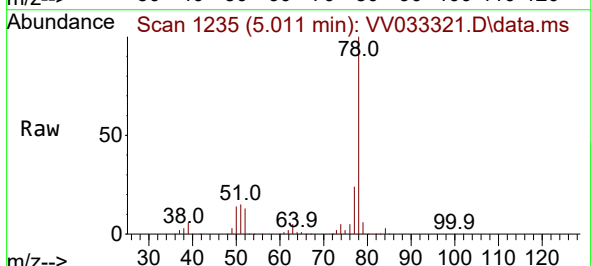
RT: 5.011 min Scan# 1235

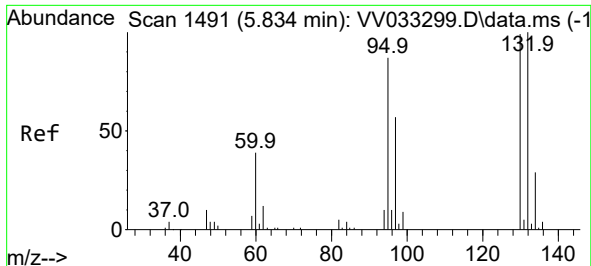
Delta R.T. 0.003 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

Tgt Ion: 78 Resp: 183362

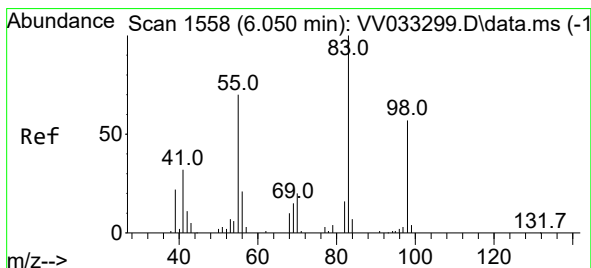
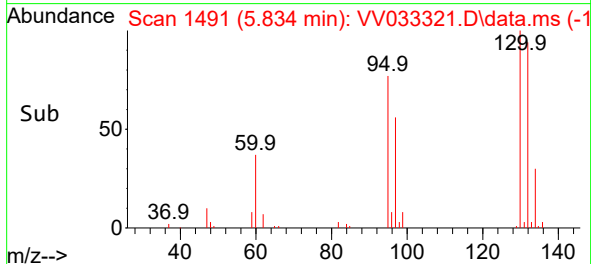
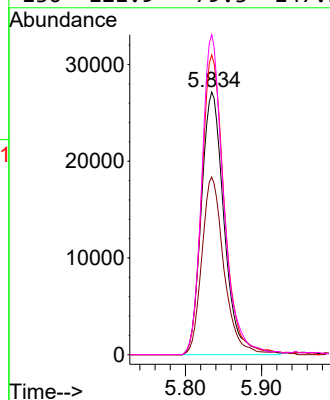
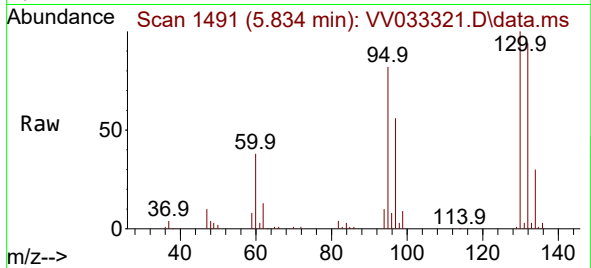




#34
Trichloroethene
Concen: 5.523 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

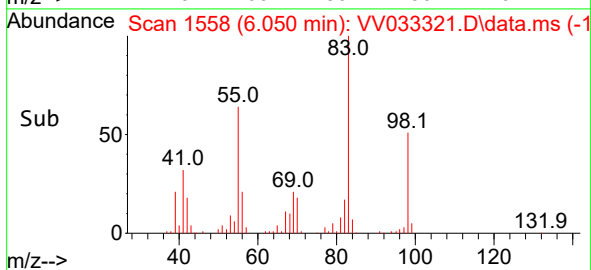
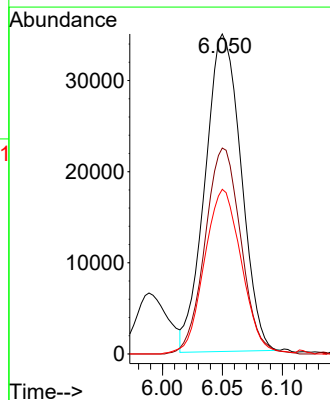
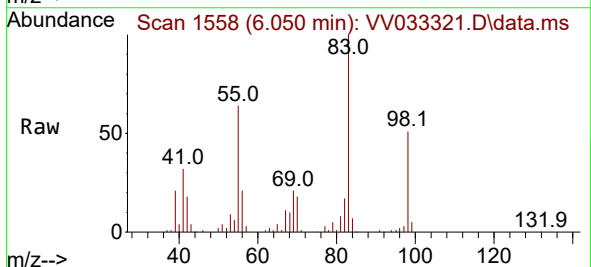
Instrument :
MSVOA_V
ClientSampleId :
E0Y81MSD

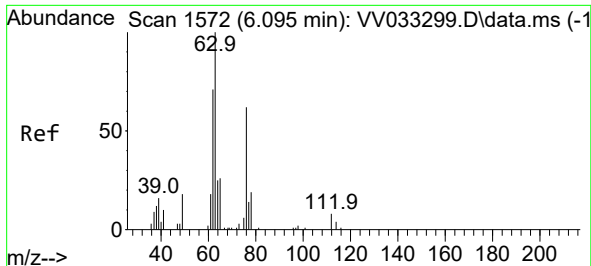
Tgt Ion: 95 Resp: 56527
Ion Ratio Lower Upper
95 100
97 67.7 46.5 86.5
132 114.2 75.1 139.5
130 121.9 79.3 147.3



#35
Methylcyclohexane
Concen: 4.805 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.000 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

Tgt Ion: 83 Resp: 72830
Ion Ratio Lower Upper
83 100
55 64.7 50.7 76.1
98 53.4 42.4 63.6





#37

1,2-Dichloropropane

Concen: 5.102 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

Instrument :

MSVOA_V

ClientSampleId :

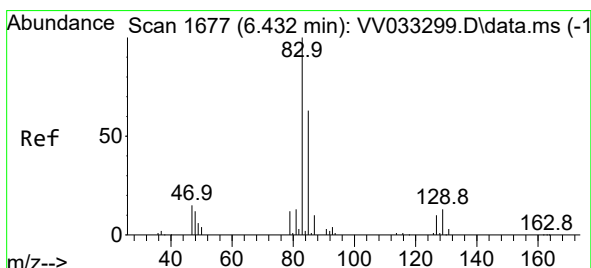
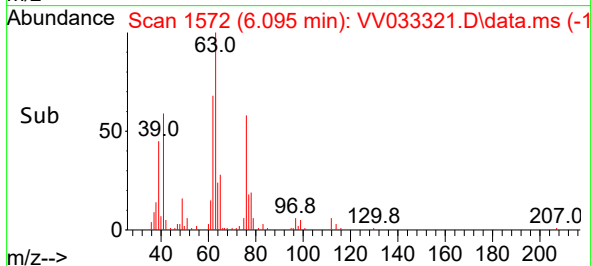
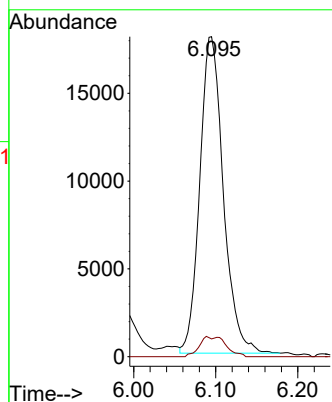
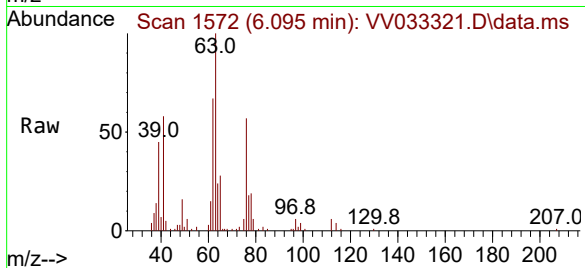
E0Y81MSD

Tgt Ion: 63 Resp: 36021

Ion Ratio Lower Upper

63 100

112 3.4 5.0 7.6#



#38

Bromodichloromethane

Concen: 5.337 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

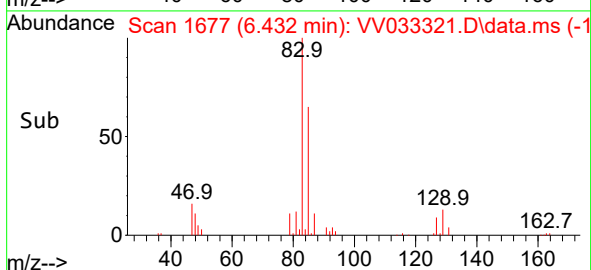
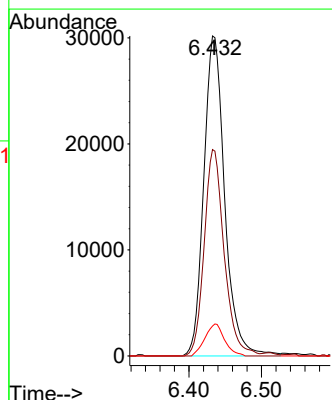
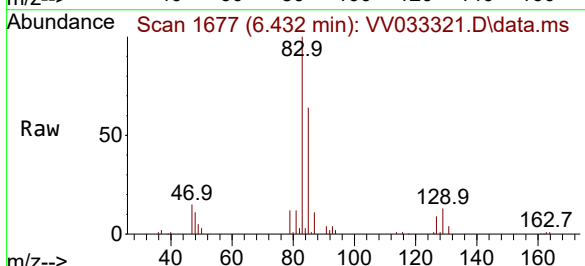
Tgt Ion: 83 Resp: 60470

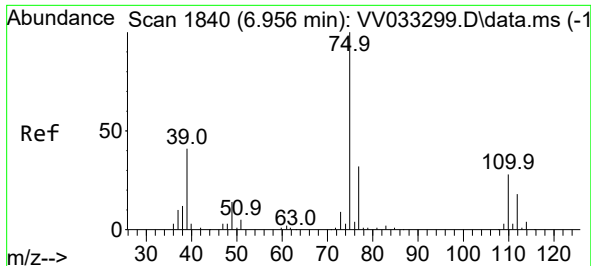
Ion Ratio Lower Upper

83 100

85 64.5 46.6 86.6

127 9.4 8.6 13.0





#39

cis-1,3-Dichloropropene

Concen: 4.819 ug/L

RT: 6.957 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

Instrument :

MSVOA_V

ClientSampleId :

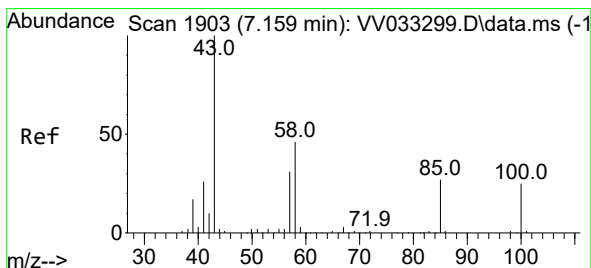
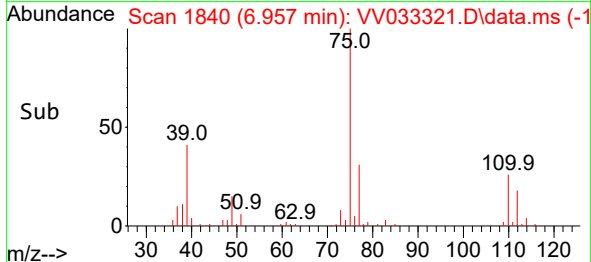
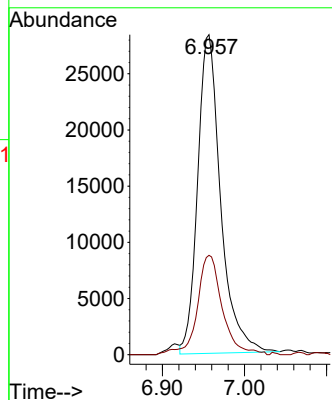
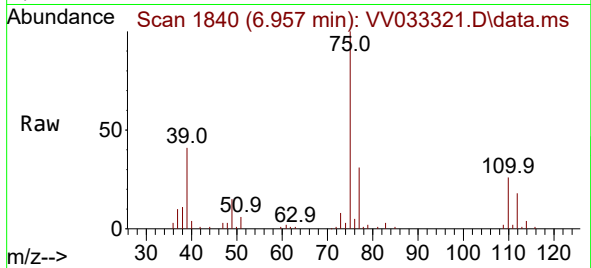
E0Y81MSD

Tgt Ion: 75 Resp: 55250

Ion Ratio Lower Upper

75 100

77 31.0 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 57.012 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.003 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

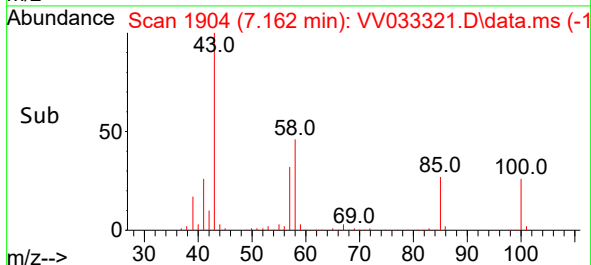
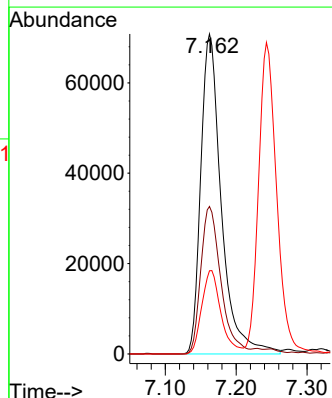
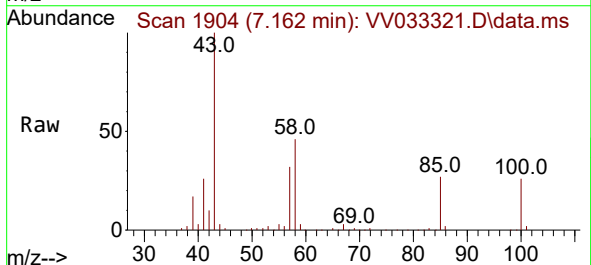
Tgt Ion: 43 Resp: 142433

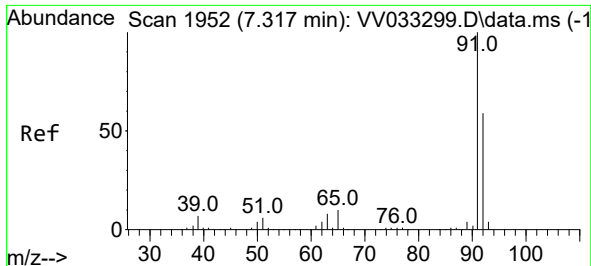
Ion Ratio Lower Upper

43 100

58 45.1 36.2 54.2

100 24.5 18.8 28.2





#42

Toluene

Concen: 6.647 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

Instrument :

MSVOA_V

ClientSampleId :

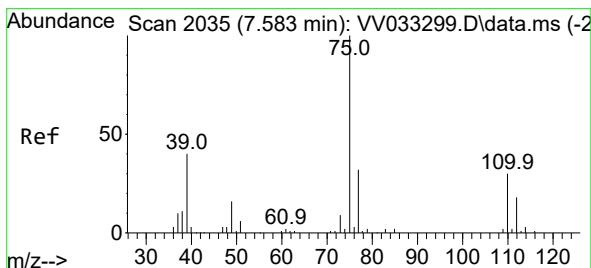
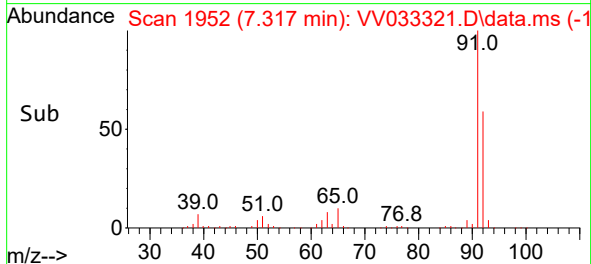
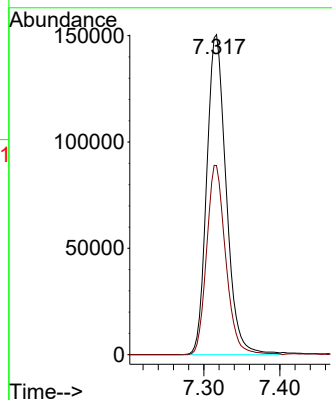
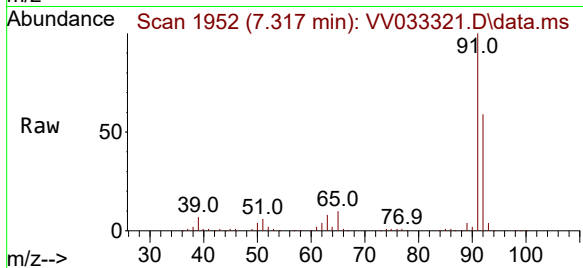
E0Y81MSD

Tgt Ion: 91 Resp: 267239

Ion Ratio Lower Upper

91 100

92 59.1 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 4.947 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV033321.D

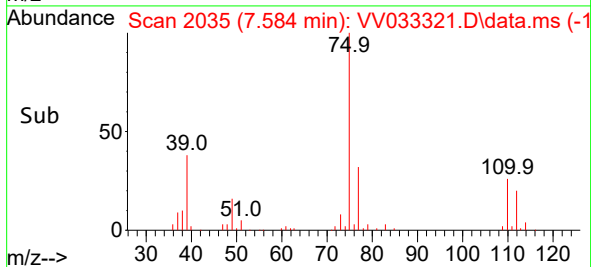
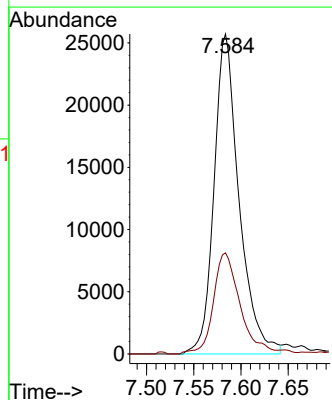
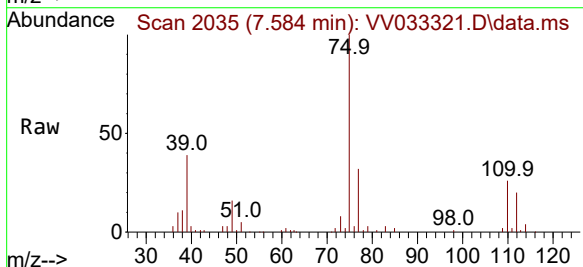
Acq: 14 Dec 2023 09:28

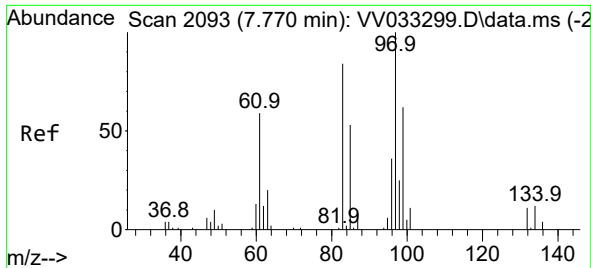
Tgt Ion: 75 Resp: 47280

Ion Ratio Lower Upper

75 100

77 31.6 21.7 40.3

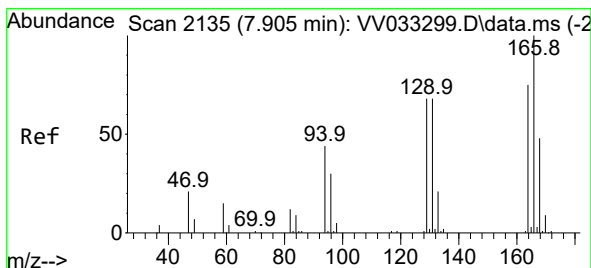
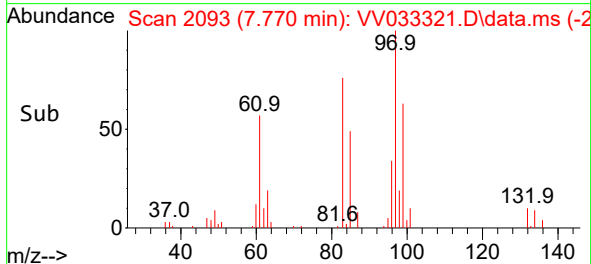
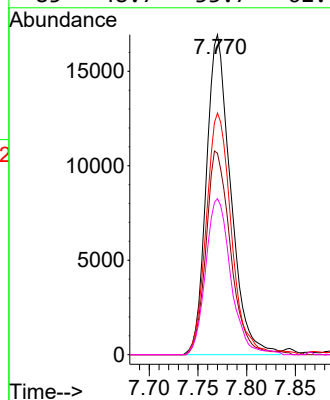
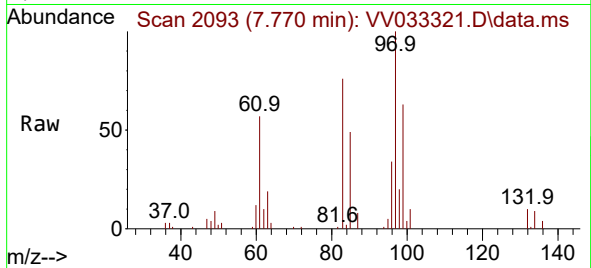




#45
1,1,2-Trichloroethane
Concen: 5.423 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.000 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

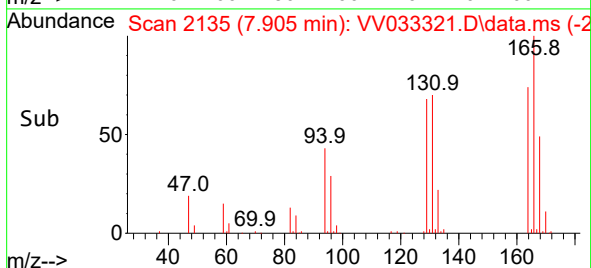
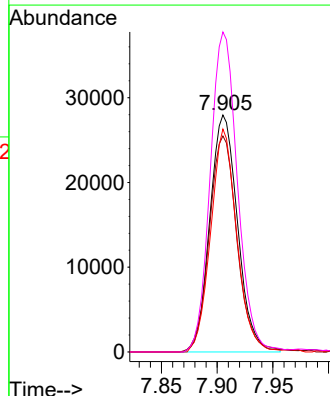
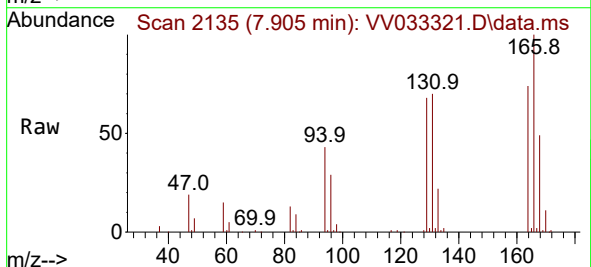
Instrument :
MSVOA_V
ClientSampleId :
E0Y81MSD

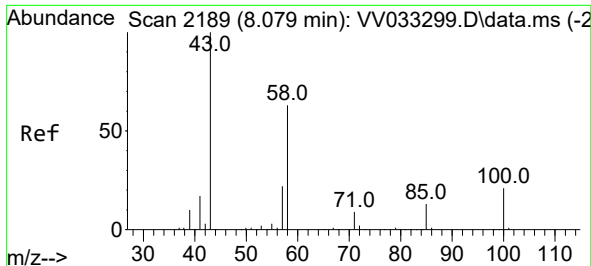
Tgt Ion:	97	Resp:	29487
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.5	82.7
83	75.5	54.7	101.5
85	48.7	33.7	62.7



#47
Tetrachloroethene
Concen: 4.986 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

Tgt Ion:	164	Resp:	48311
Ion	Ratio	Lower	Upper
164	100		
129	91.2	62.6	116.3
131	94.1	62.6	116.3
166	135.0	90.2	167.6



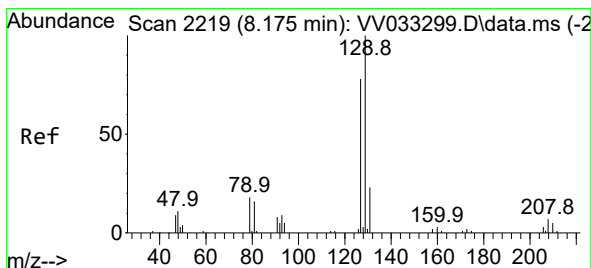
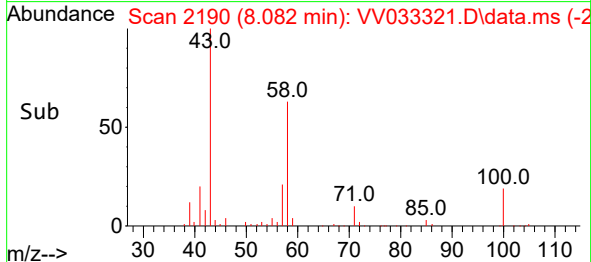
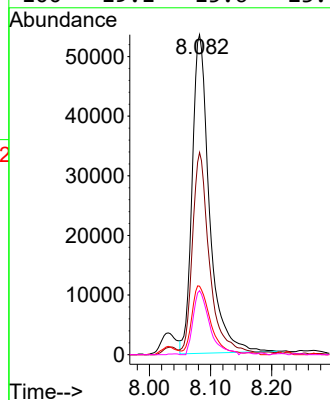
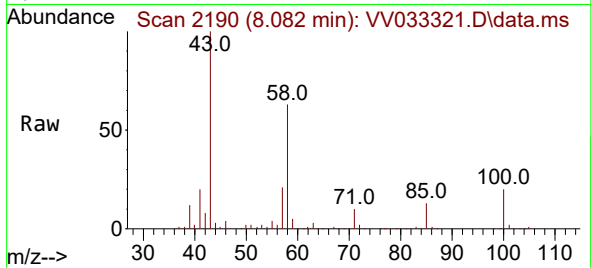


#48
2-Hexanone
Concen: 58.169 ug/L
RT: 8.082 min Scan# 2189
Delta R.T. 0.003 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

Instrument :
MSVOA_V
ClientSampleId :
E0Y81MSD

Tgt Ion: 43 Resp: 104740

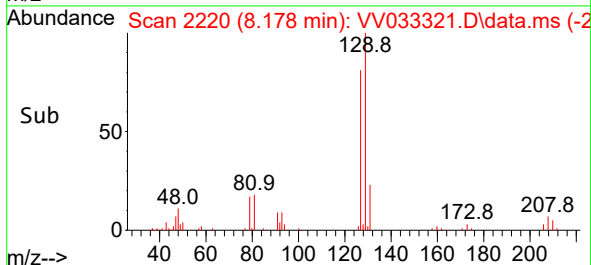
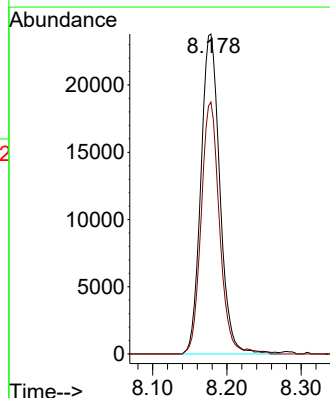
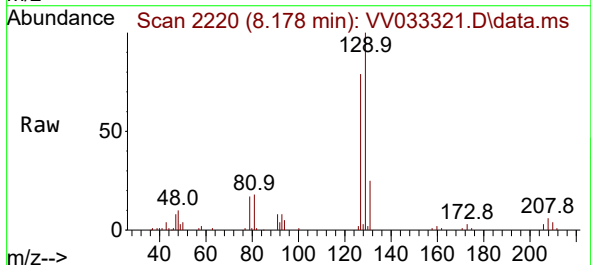
Ion	Ratio	Lower	Upper
43	100		
58	61.5	48.6	72.8
57	23.3	18.1	27.1
100	19.1	15.6	23.4

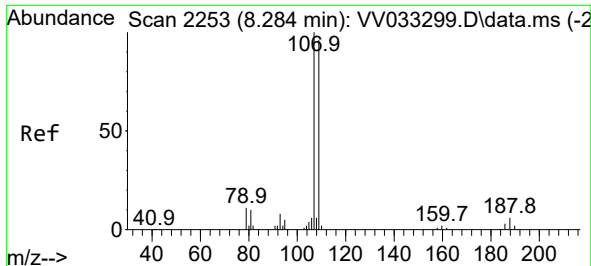


#49
Dibromochloromethane
Concen: 5.541 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.003 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

Tgt Ion: 129 Resp: 42257

Ion	Ratio	Lower	Upper
129	100		
127	78.7	53.2	98.8





#50

1,2-Dibromoethane

Concen: 5.489 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

Instrument :

MSVOA_V

ClientSampleId :

E0Y81MSD

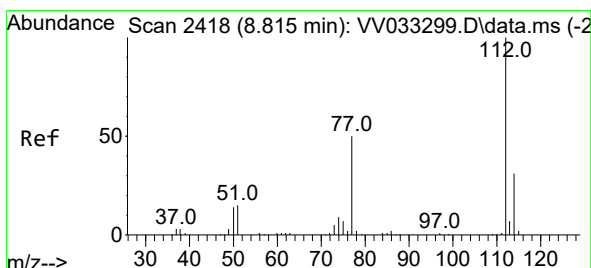
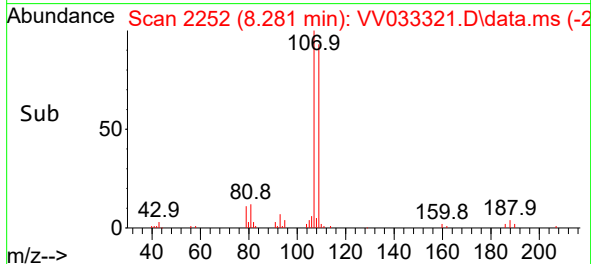
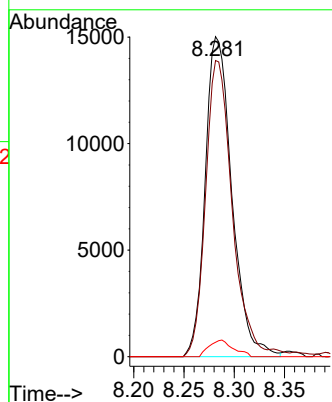
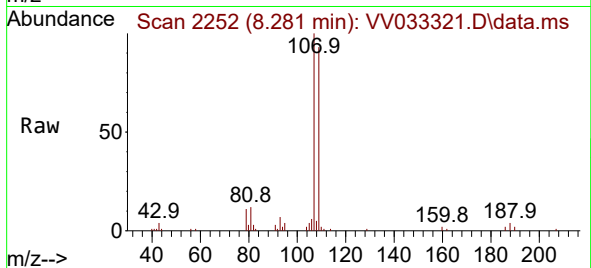
Tgt Ion:107 Resp: 27714

Ion Ratio Lower Upper

107 100

109 92.6 64.2 119.2

188 4.5 3.4 5.2



#51

Chlorobenzene

Concen: 5.484 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

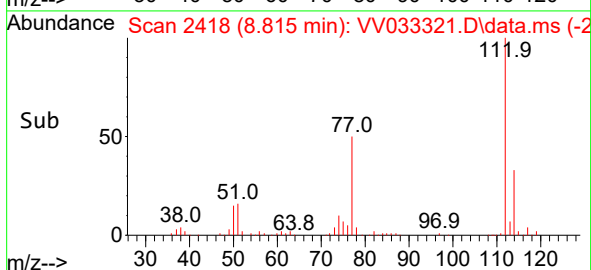
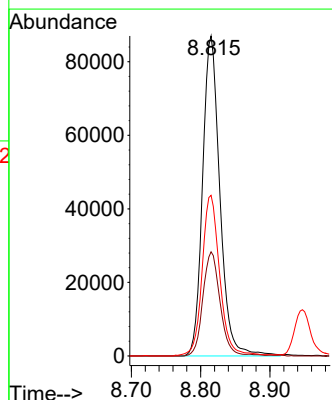
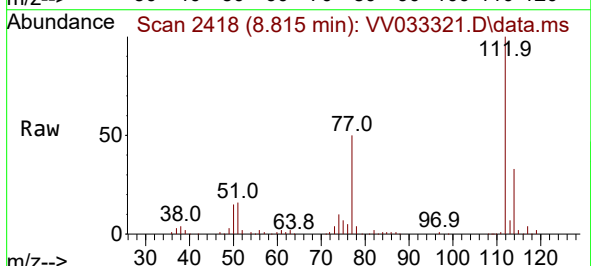
Tgt Ion:112 Resp: 151028

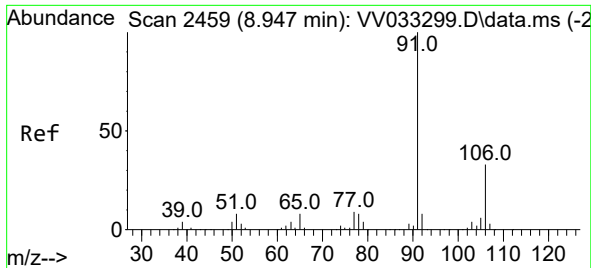
Ion Ratio Lower Upper

112 100

114 32.5 22.8 42.4

77 50.2 41.3 61.9

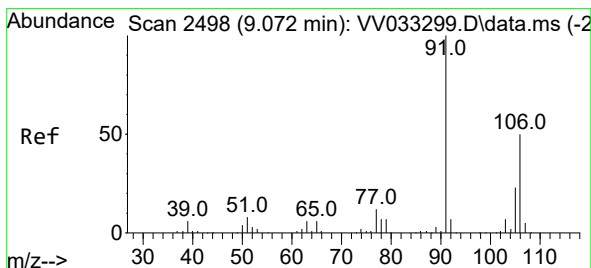
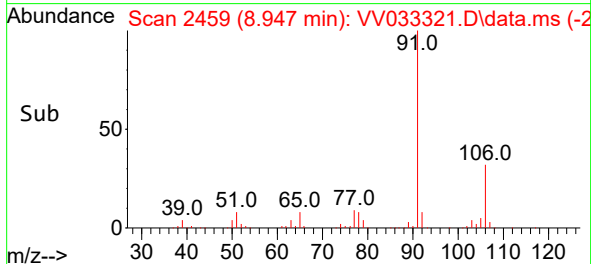
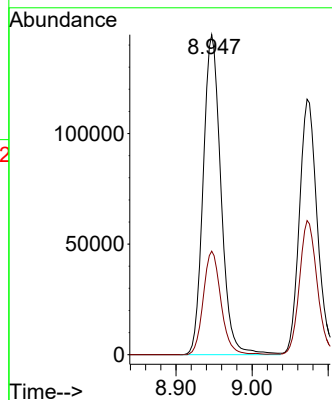
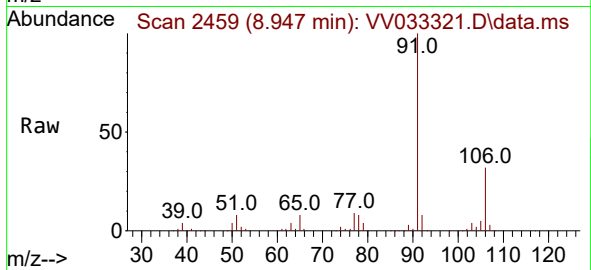




#52
Ethylbenzene
Concen: 5.217 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

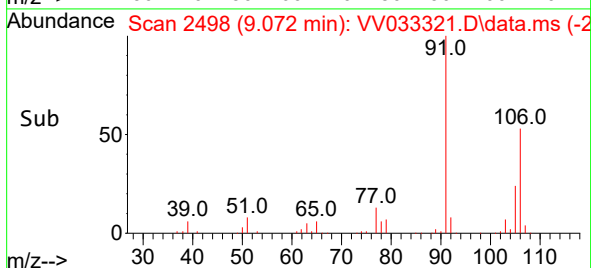
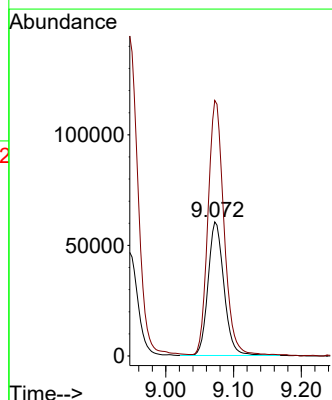
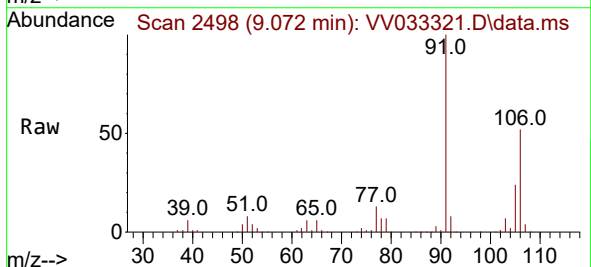
Instrument :
MSVOA_V
ClientSampleId :
E0Y81MSD

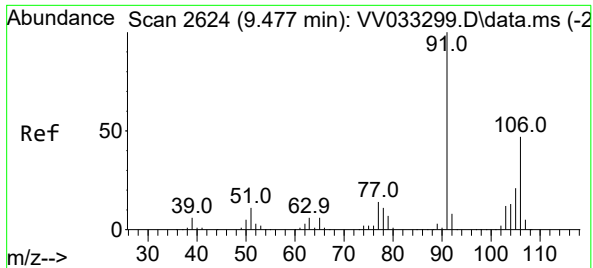
Tgt Ion: 91 Resp: 235002
Ion Ratio Lower Upper
91 100
106 32.4 22.7 42.3



#53
m,p-Xylene
Concen: 5.306 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

Tgt Ion: 106 Resp: 98367
Ion Ratio Lower Upper
106 100
91 190.6 136.8 254.0

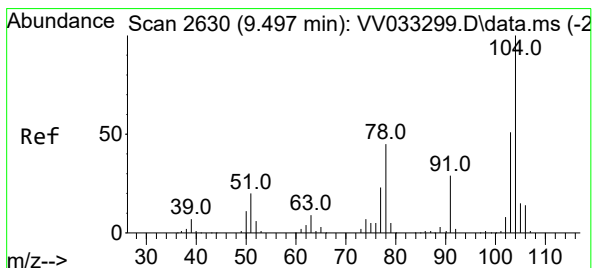
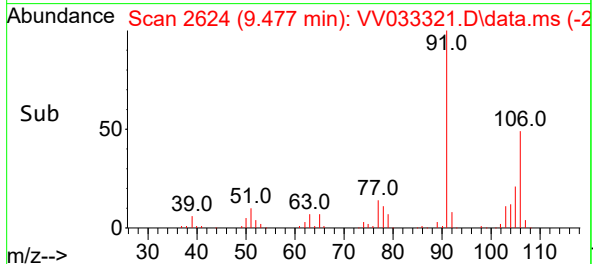
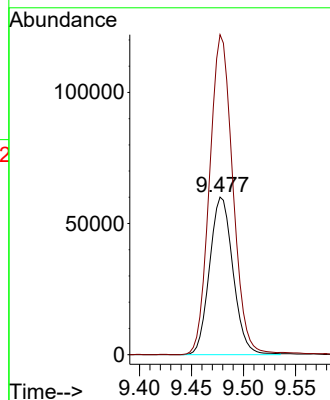
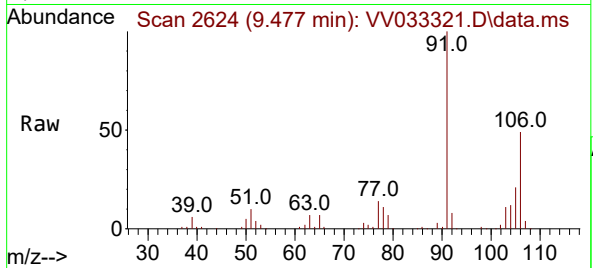




#54
o-Xylene
Concen: 5.363 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

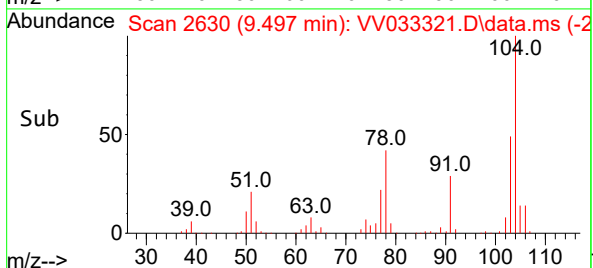
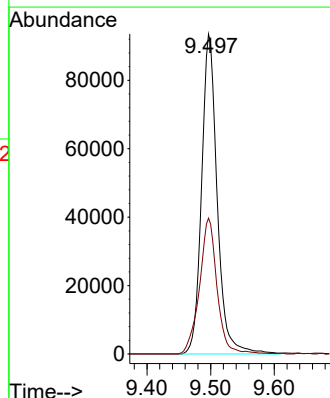
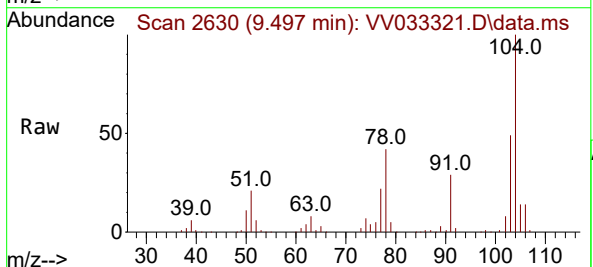
Instrument :
MSVOA_V
ClientSampleId :
E0Y81MSD

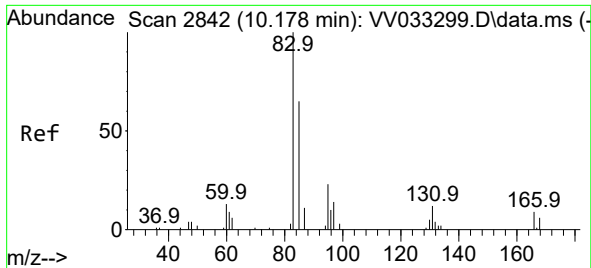
Tgt Ion:106 Resp: 94167
Ion Ratio Lower Upper
106 100
91 203.1 149.9 278.5



#55
Styrene
Concen: 5.535 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

Tgt Ion:104 Resp: 159439
Ion Ratio Lower Upper
104 100
78 42.4 29.9 55.5

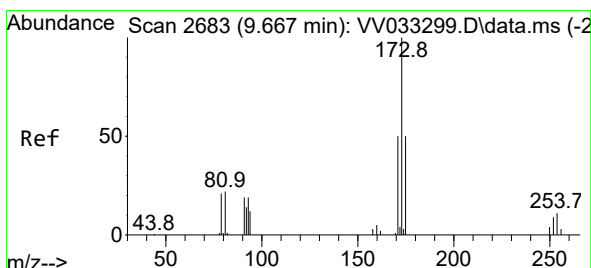
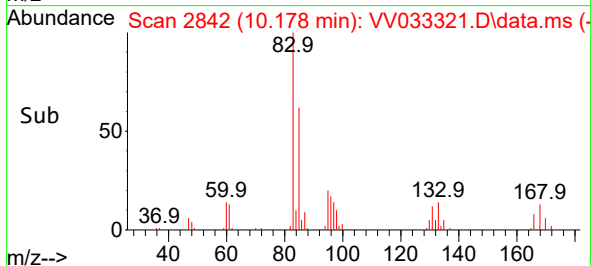
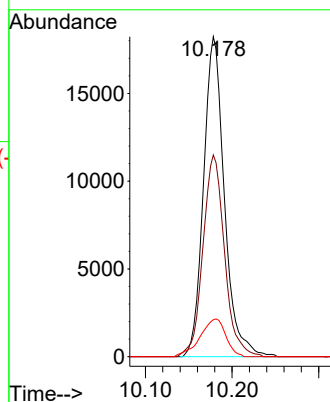
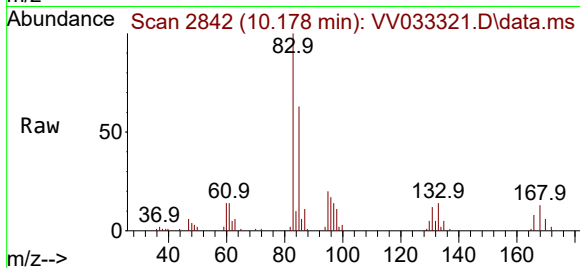




#57
1,1,2,2-Tetrachloroethane
Concen: 5.758 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

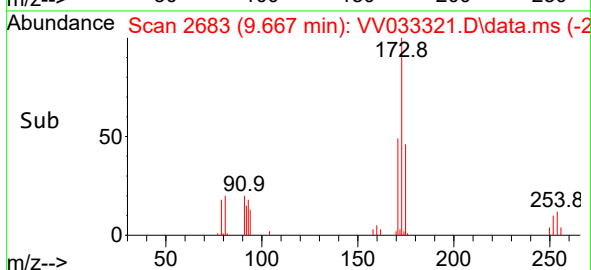
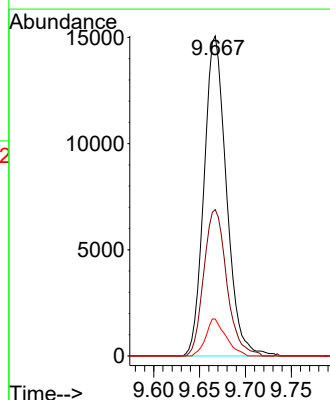
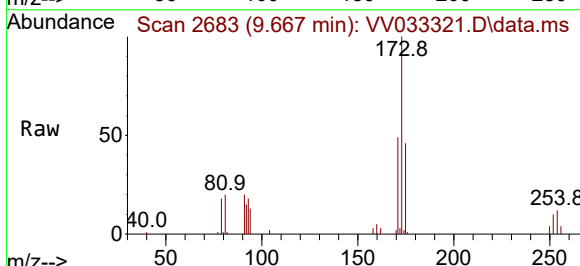
Instrument :
MSVOA_V
ClientSampleId :
E0Y81MSD

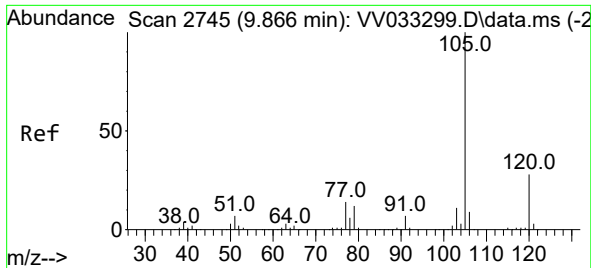
Tgt Ion: 83 Resp: 30510
Ion Ratio Lower Upper
83 100
85 63.1 45.4 84.4
131 11.5 11.5 17.3



#59
Bromoform
Concen: 5.379 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.000 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

Tgt Ion: 173 Resp: 25547
Ion Ratio Lower Upper
173 100
175 47.0 37.0 55.4
254 10.4 8.5 12.7

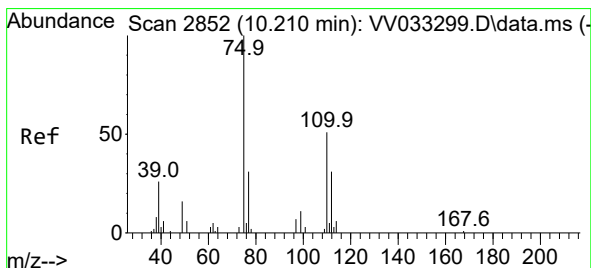
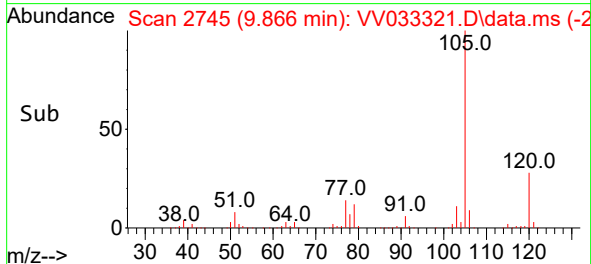
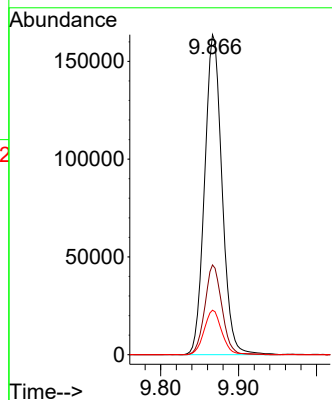
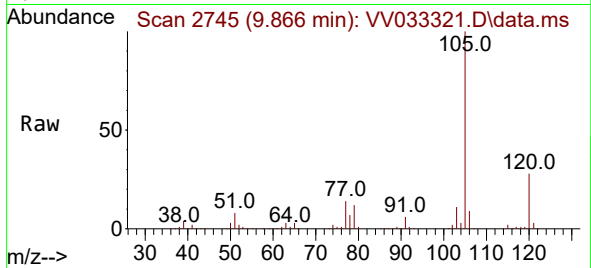




#60
Isopropylbenzene
Concen: 4.964 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

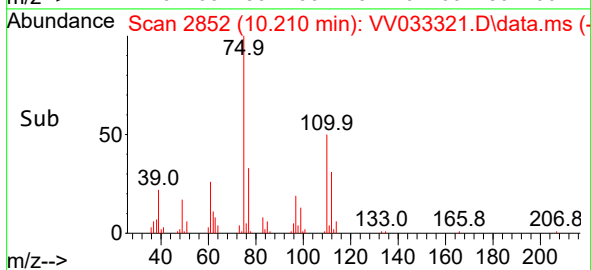
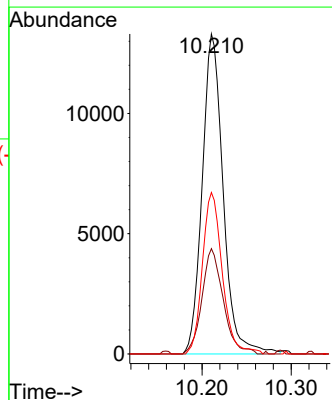
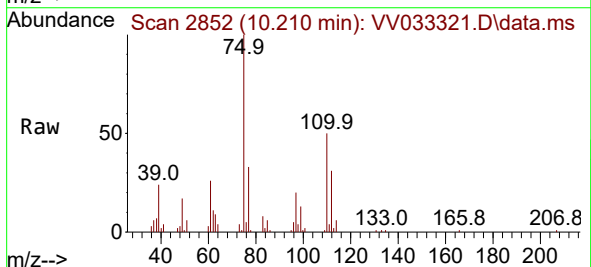
Instrument :
MSVOA_V
ClientSampleId :
E0Y81MSD

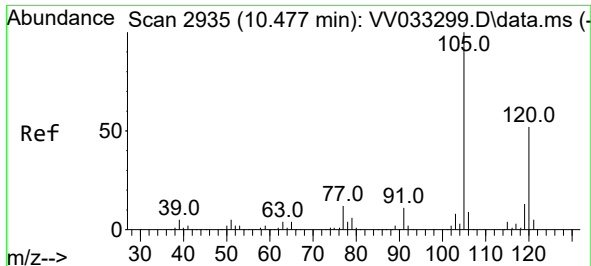
Tgt Ion:105 Resp: 254238
Ion Ratio Lower Upper
105 100
120 27.5 22.2 33.4
77 14.2 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 5.306 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

Tgt Ion: 75 Resp: 21740
Ion Ratio Lower Upper
75 100
77 33.3 27.4 41.2
110 47.8 39.4 59.2

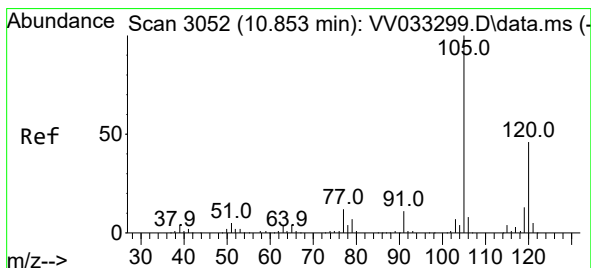
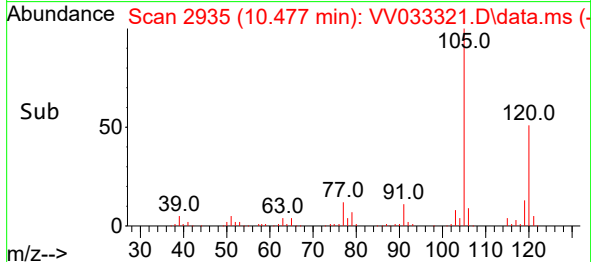
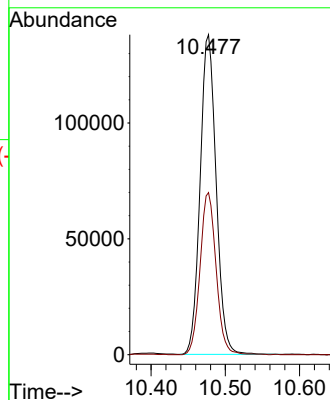
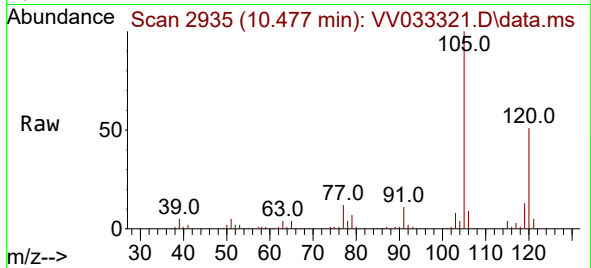




#62
 1,3,5-Trimethylbenzene
 Concen: 4.949 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VV033321.D
 Acq: 14 Dec 2023 09:28

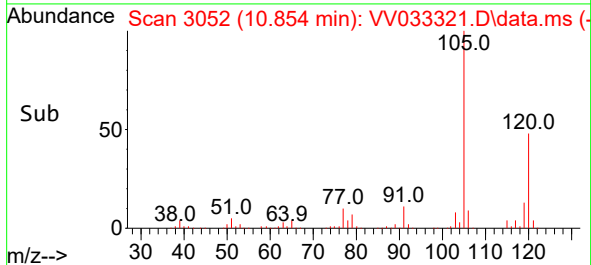
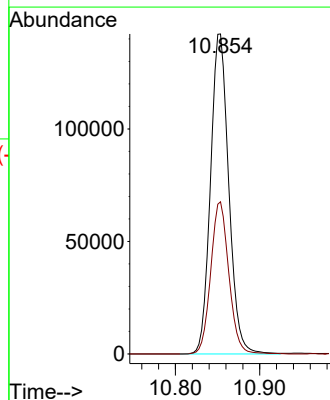
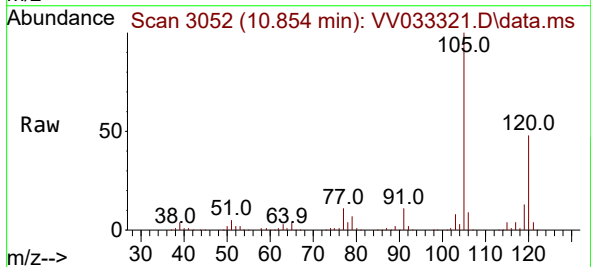
Instrument :
 MSVOA_V
 ClientSampleId :
 E0Y81MSD

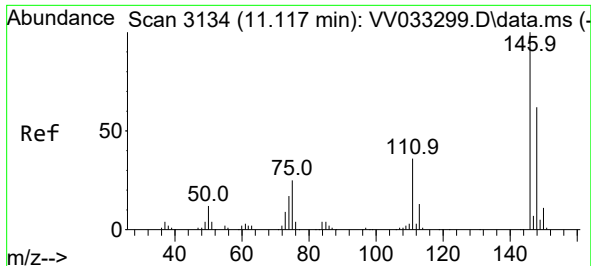
Tgt Ion:105 Resp: 207286
 Ion Ratio Lower Upper
 105 100
 120 50.7 41.7 62.5



#63
 1,2,4-Trimethylbenzene
 Concen: 5.164 ug/L
 RT: 10.854 min Scan# 3052
 Delta R.T. 0.000 min
 Lab File: VV033321.D
 Acq: 14 Dec 2023 09:28

Tgt Ion:105 Resp: 213972
 Ion Ratio Lower Upper
 105 100
 120 47.2 38.1 57.1

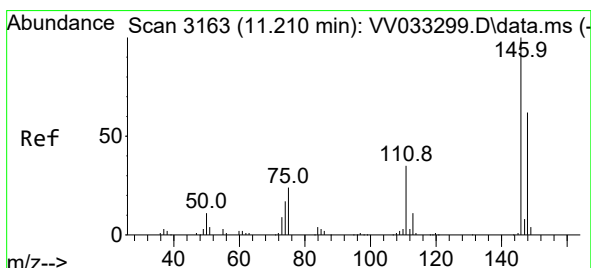
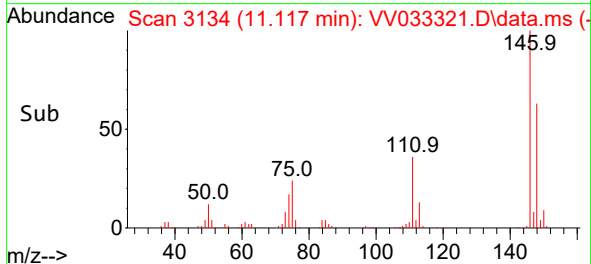
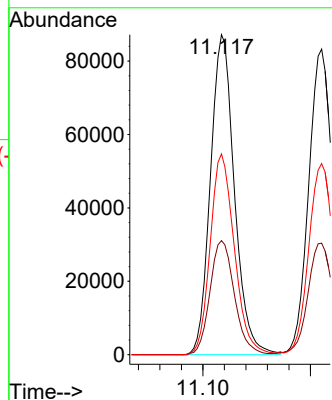
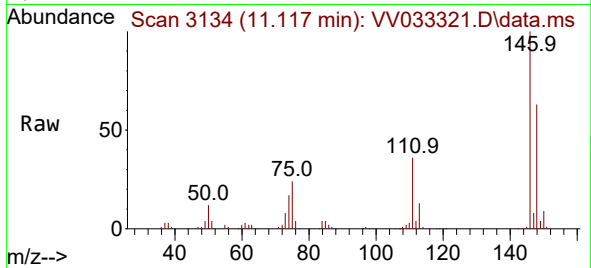




#64
1,3-Dichlorobenzene
Concen: 5.185 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

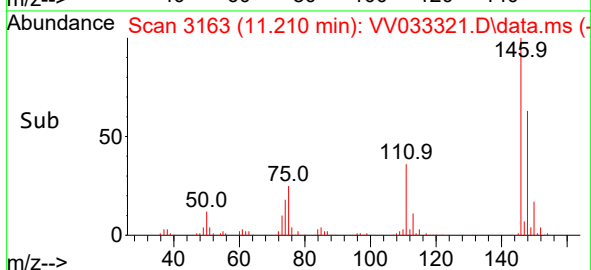
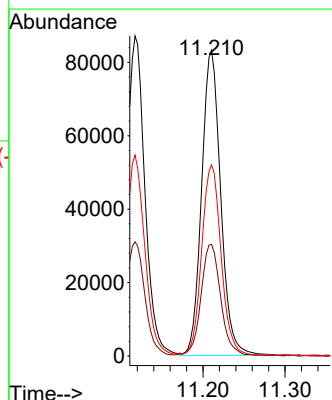
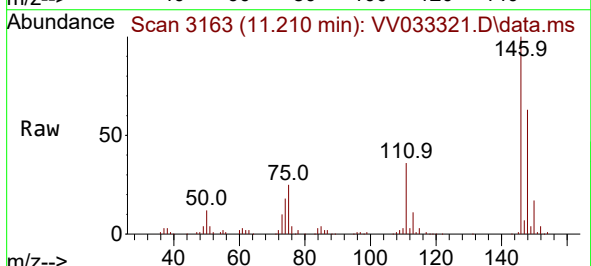
Instrument :
MSVOA_V
ClientSampleId :
E0Y81MSD

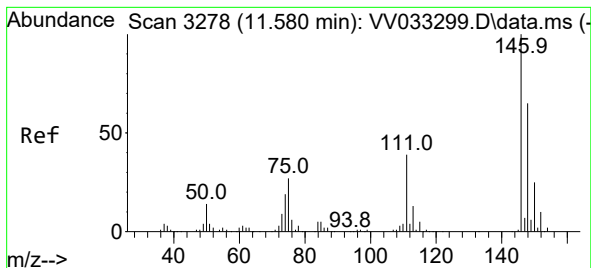
Tgt Ion:146 Resp: 135155
Ion Ratio Lower Upper
146 100
111 35.6 26.0 48.2
148 62.7 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.187 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV033321.D
Acq: 14 Dec 2023 09:28

Tgt Ion:146 Resp: 134517
Ion Ratio Lower Upper
146 100
111 36.5 25.6 47.4
148 62.5 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 5.254 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

Instrument :

MSVOA_V

ClientSampleId :

E0Y81MSD

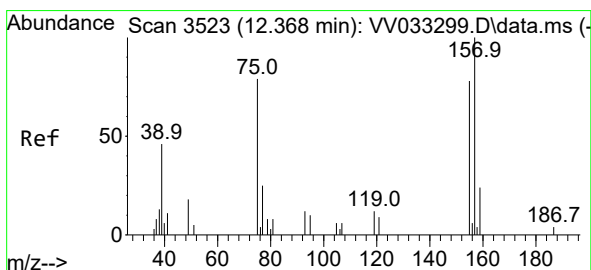
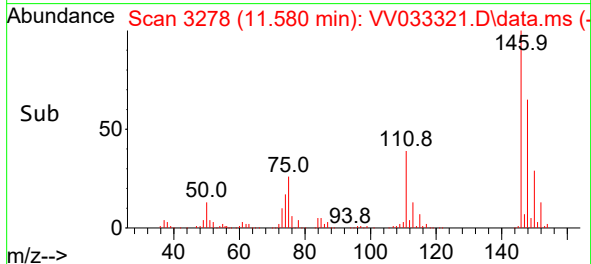
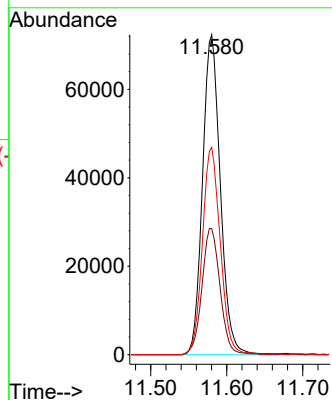
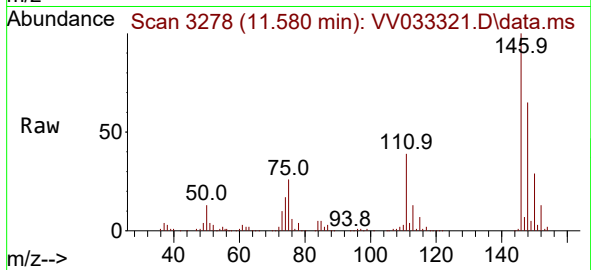
Tgt Ion:146 Resp: 117734

Ion Ratio Lower Upper

146 100

111 39.4 31.0 46.4

148 64.7 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.798 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

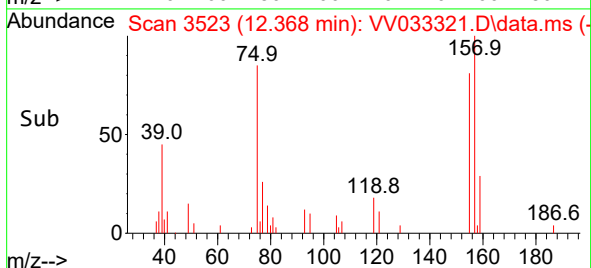
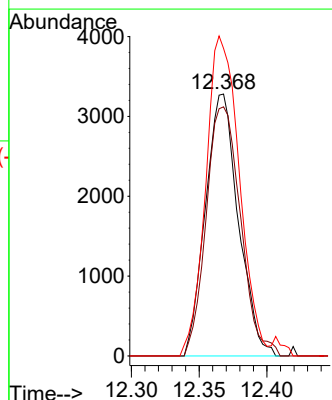
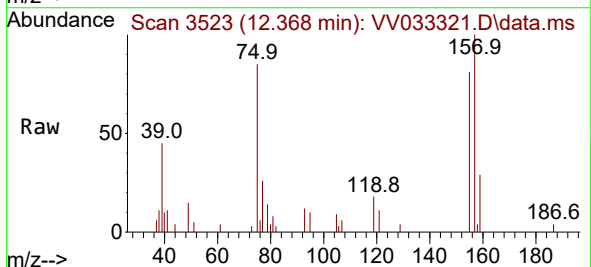
Tgt Ion: 75 Resp: 5556

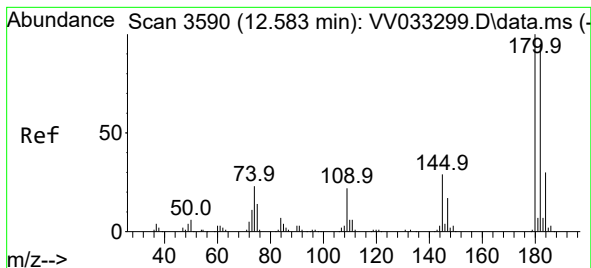
Ion Ratio Lower Upper

75 100

155 95.1 79.8 119.8

157 117.4 110.2 165.2





#69

1,3,5-Trichlorobenzene

Concen: 5.031 ug/L

RT: 12.583 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

Instrument :

MSVOA_V

ClientSampleId :

E0Y81MSD

Tgt Ion:180 Resp: 104683

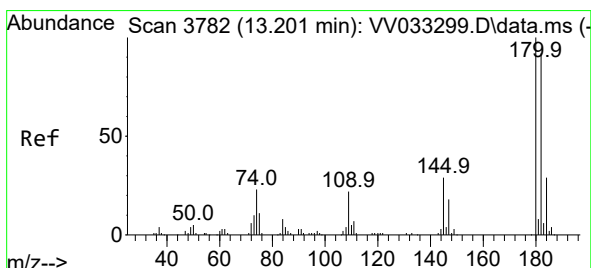
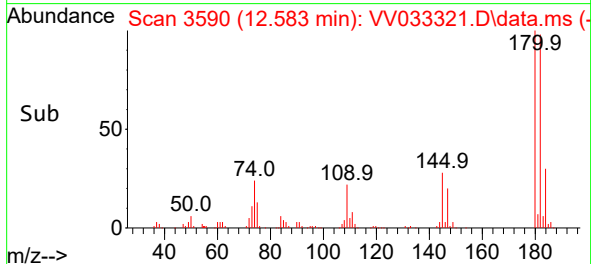
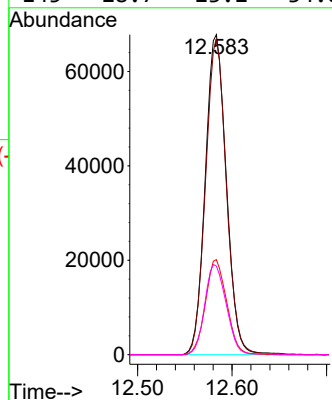
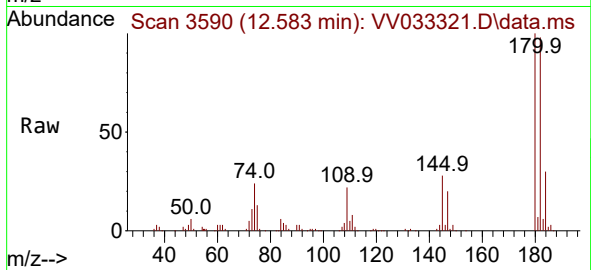
Ion Ratio Lower Upper

180 100

182 97.4 76.1 114.1

184 30.0 24.5 36.7

145 28.7 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 5.078 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.003 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

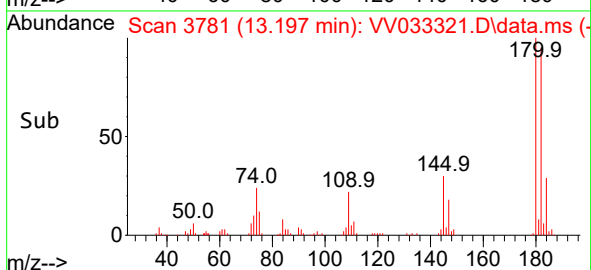
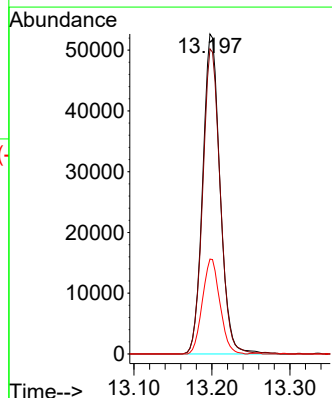
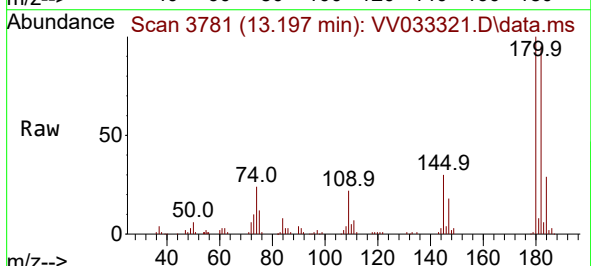
Tgt Ion:180 Resp: 81394

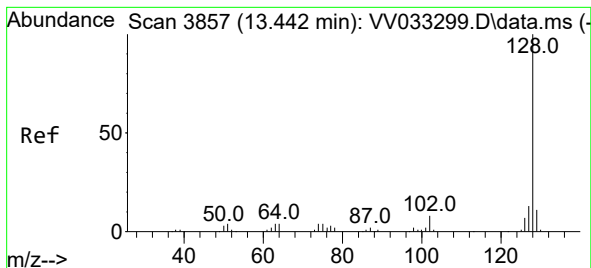
Ion Ratio Lower Upper

180 100

182 95.8 74.2 111.4

145 29.8 22.6 34.0





#71

Naphthalene

Concen: 4.134 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

Instrument :

MSVOA_V

ClientSampleId :

E0Y81MSD

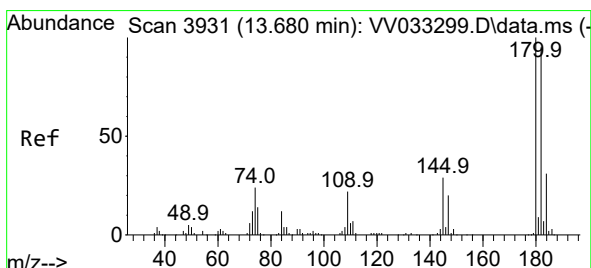
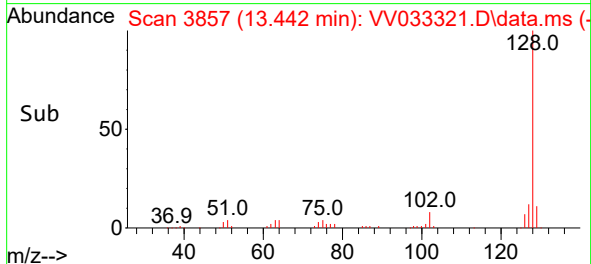
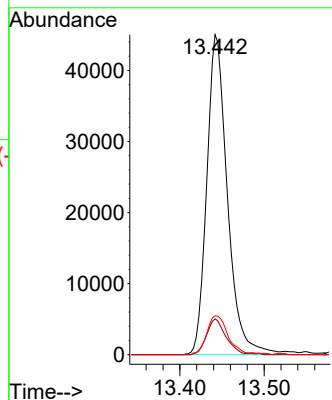
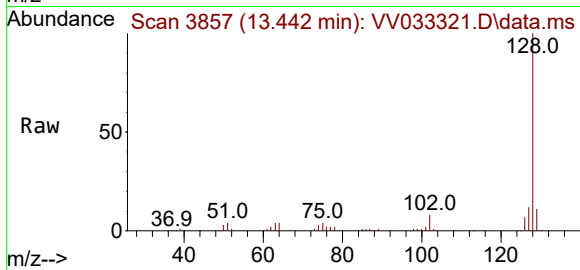
Tgt Ion:128 Resp: 76759

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

127 12.8 10.1 15.1



#72

1,2,3-Trichlorobenzene

Concen: 5.179 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033321.D

Acq: 14 Dec 2023 09:28

Tgt Ion:180 Resp: 66631

Ion Ratio Lower Upper

180 100

182 94.0 78.8 118.2

145 31.6 26.6 40.0

