

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101123\
 Data File : VW032380.D
 Acq On : 11 Oct 2023 09:13
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005399

Quant Time: Oct 12 02:53:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 11 01:56:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	101775	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	111082	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	59407	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	40628	4.908	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.200%
7) Chloroethane-d5	1.532	69	32283	4.805	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.000%
11) 1,1-Dichloroethene-d2	2.059	65	15129	4.334	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.600%
20) 2-Butanone-d5	3.805	46	89151	42.577	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.160%
24) Chloroform-d	4.252	84	68718	4.706	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
26) 1,2-Dichloroethane-d4	4.947	65	32423	4.688	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
32) Benzene-d6	4.963	84	127578	3.903	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.000%
36) 1,2-Dichloropropane-d6	5.992	67	40124	3.705	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	74.200%
41) Toluene-d8	7.246	98	126512	4.233	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.600%
43) trans-1,3-Dichloroprop...	7.558	79	15478	4.033	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.600%
46) 2-Hexanone-d5	8.030	63	78538	43.498	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.000%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	34491	4.553	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.000%
66) 1,2-Dichlorobenzene-d4	11.564	152	45700	4.146	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	64626	5.698	ug/L	100
3) Chloromethane	1.217	50	62332	5.452	ug/L	100
5) Vinyl chloride	1.281	62	60398	5.539	ug/L	99
6) Bromomethane	1.487	94	35119	5.331	ug/L	99
8) Chloroethane	1.548	64	36727	5.594	ug/L	98
9) Trichlorofluoromethane	1.712	101	74618	5.706	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	46200	5.830	ug/L	98
12) 1,1-Dichloroethene	2.069	96	40324	5.402	ug/L	93
13) Acetone	2.130	43	89850	55.675	ug/L	98
14) Carbon disulfide	2.240	76	126810	4.860	ug/L	99
15) Methyl Acetate	2.384	43	18247	5.022	ug/L	94
16) Methylene chloride	2.449	84	47090	4.839	ug/L	95
17) Methyl tert-butyl Ether	2.706	73	97406	4.793	ug/L	100
18) trans-1,2-Dichloroethene	2.696	96	42480	4.969	ug/L	97
19) 1,1-Dichloroethane	3.114	63	84179	5.234	ug/L	98
21) 2-Butanone	3.883	43	125127	49.580	ug/L	99
22) cis-1,2-Dichloroethene	3.815	96	45909	4.987	ug/L	96
23) Bromochloromethane	4.149	128	19922	5.144	ug/L	98
25) Chloroform	4.281	83	85662	5.428	ug/L	98

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 ClientSampleId :
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Quant Time: Oct 12 02:53:07 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 11 01:56:10 2023
 Response via : Initial Calibration

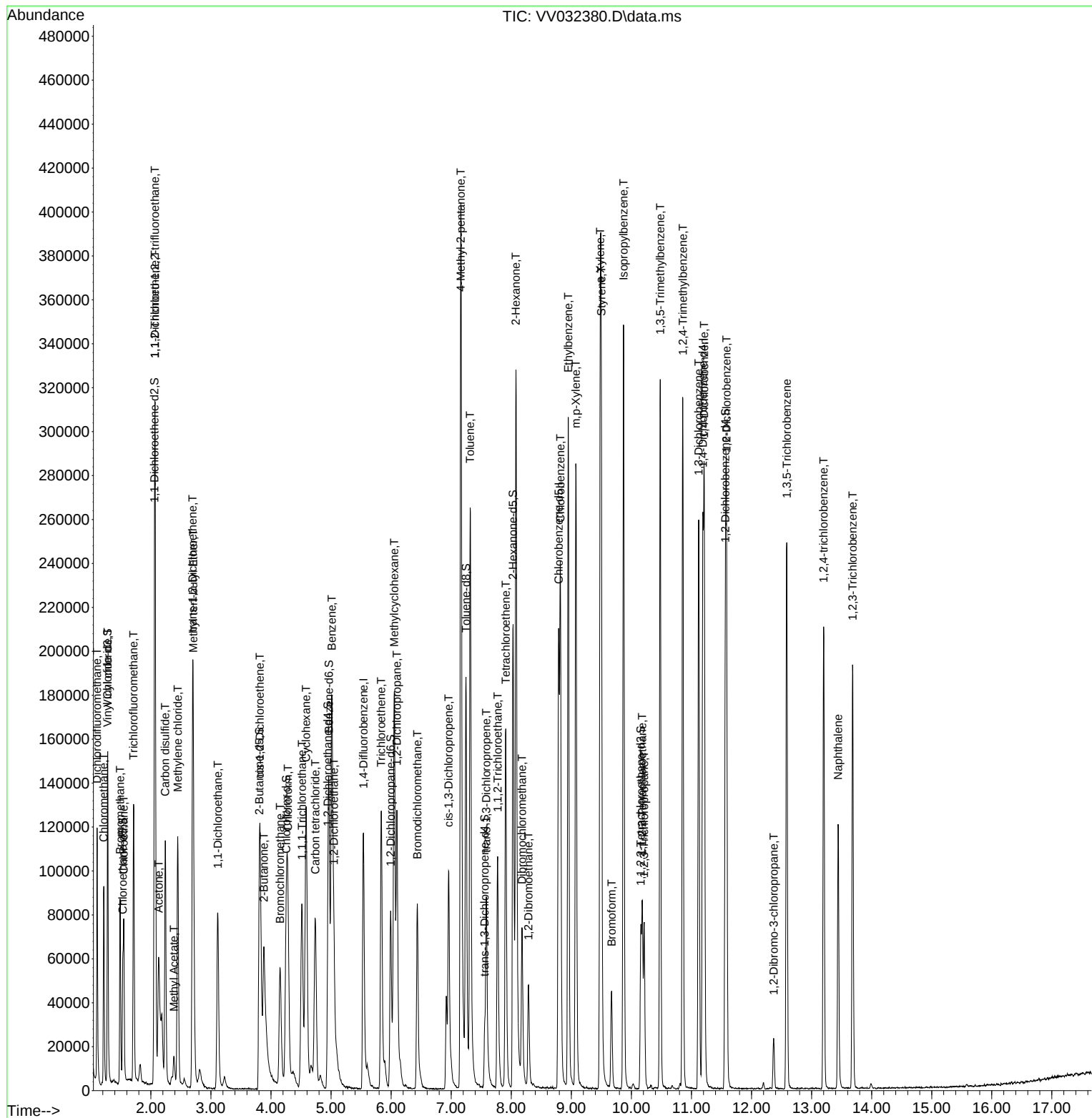
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.046	62	48450	5.197	ug/L	99
29) 1,1,1-Trichloroethane	4.516	97	69820	4.623	ug/L	98
30) Cyclohexane	4.583	56	68305	4.116	ug/L	96
31) Carbon tetrachloride	4.738	117	60311	4.720	ug/L	99
33) Benzene	5.011	78	177697	4.544	ug/L	100
34) Trichloroethene	5.834	95	52362	4.904	ug/L	95
35) Methylcyclohexane	6.053	83	77252	4.676	ug/L	97
37) 1,2-Dichloropropane	6.095	63	50179	4.798	ug/L	100
38) Bromodichloromethane	6.435	83	62388	5.020	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	67439	4.531	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	305393	46.140	ug/L	99
42) Toluene	7.316	91	204093	4.895	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	54344	4.442	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	35923	4.869	ug/L	97
47) Tetrachloroethene	7.908	164	38680	4.777	ug/L	99
48) 2-Hexanone	8.079	43	222877	47.726	ug/L	100
49) Dibromochloromethane	8.181	129	37897	4.934	ug/L	98
50) 1,2-Dibromoethane	8.287	107	34046	4.879	ug/L	92
51) Chlorobenzene	8.818	112	126528	4.714	ug/L	99
52) Ethylbenzene	8.950	91	213056	4.589	ug/L	100
53) m,p-Xylene	9.078	106	83010	4.821	ug/L	97
54) o-Xylene	9.480	106	77136	4.649	ug/L	97
55) Styrene	9.500	104	135689	4.843	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.181	83	40639	5.006	ug/L	100
59) Bromoform	9.670	173	20054	4.642	ug/L	95
60) Isopropylbenzene	9.869	105	215637	4.671	ug/L	99
61) 1,2,3-Trichloropropane	10.213	75	29182	4.615	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	167123	4.441	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	170596	4.554	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	103109	4.675	ug/L	97
65) 1,4-Dichlorobenzene	11.213	146	104261	4.712	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	95261	4.736	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	5850	4.528	ug/L	97
69) 1,3,5-Trichlorobenzene	12.586	180	74403	4.606	ug/L	99
70) 1,2,4-trichlorobenzene	13.200	180	61697	4.306	ug/L	99
71) Naphthalene	13.442	128	92730	3.810	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	55612	4.505	ug/L	100

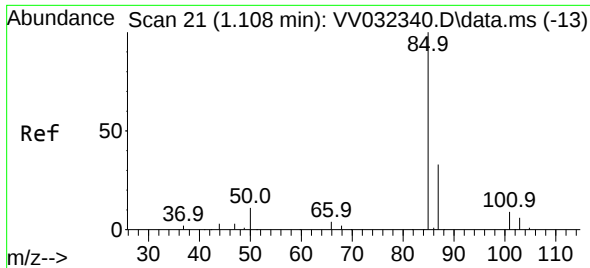
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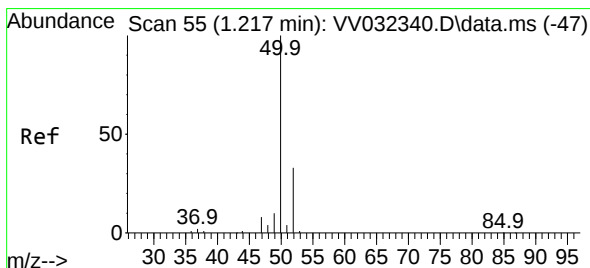
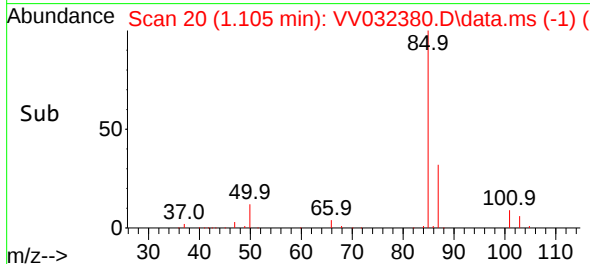
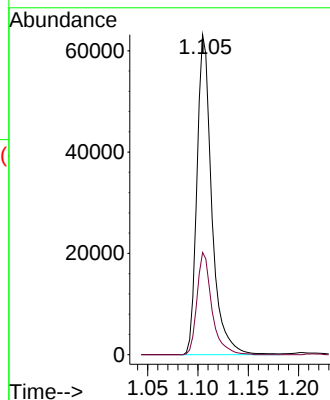
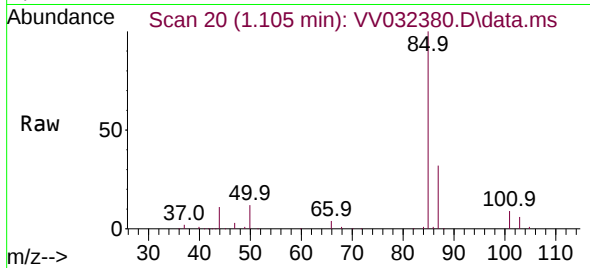




#2
 Dichlorodifluoromethane
 Concen: 5.698 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV032380.D
 Acq: 11 Oct 2023 09:13

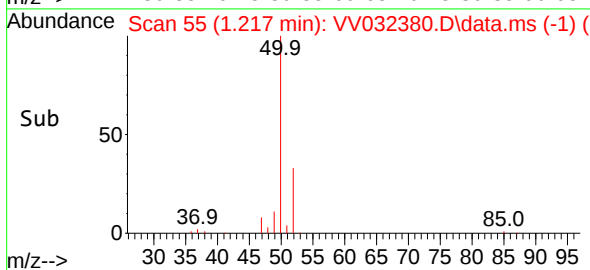
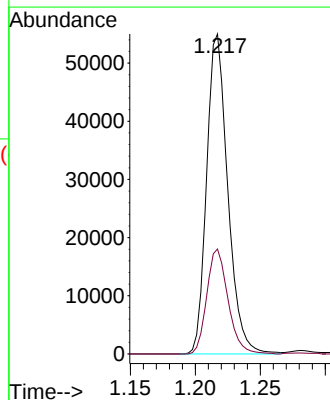
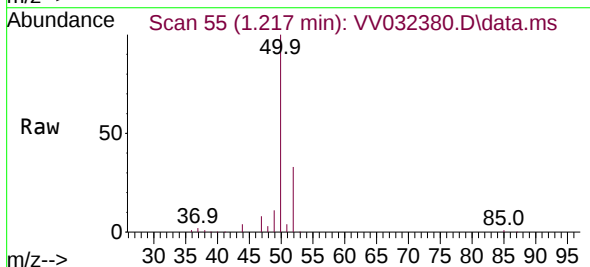
Instrument :
 MSVOA_V
 ClientSampleId :
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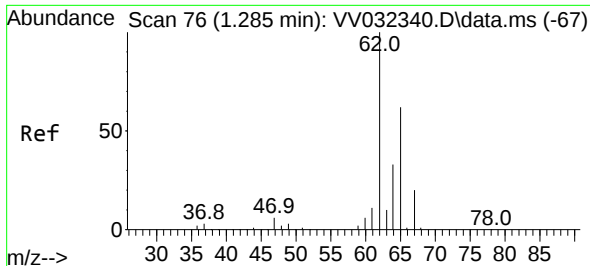
Tgt Ion: 85 Resp: 64626
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.5 38.3



#3
 Chloromethane
 Concen: 5.452 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV032380.D
 Acq: 11 Oct 2023 09:13

Tgt Ion: 50 Resp: 62332
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.0 42.6

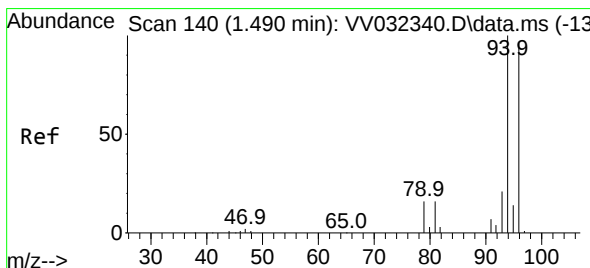
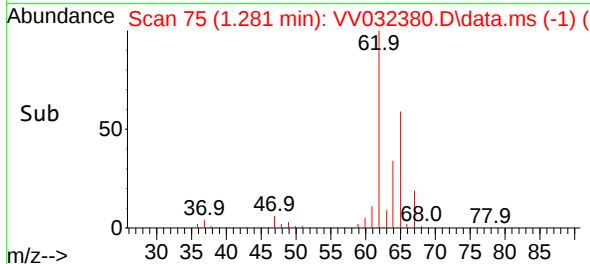
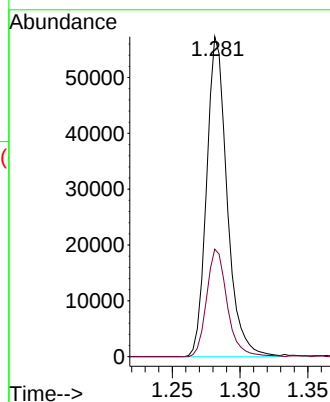
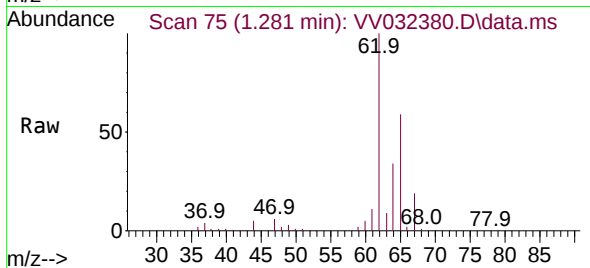




#5
 Vinyl chloride
 Concen: 5.539 ug/L
 RT: 1.281 min Scan# 76
 Delta R.T. -0.003 min
 Lab File: VV032380.D
 Acq: 11 Oct 2023 09:13

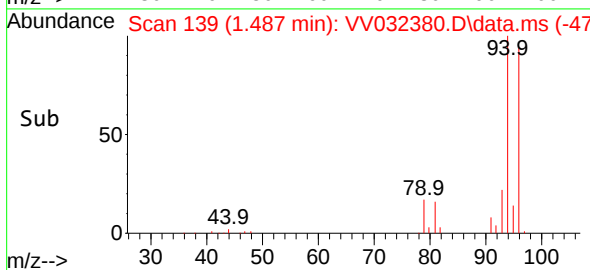
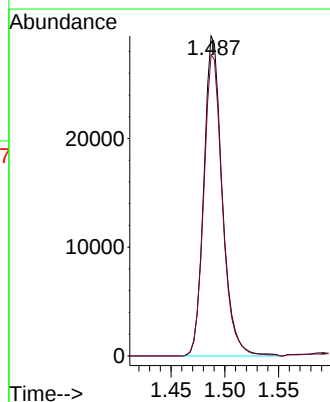
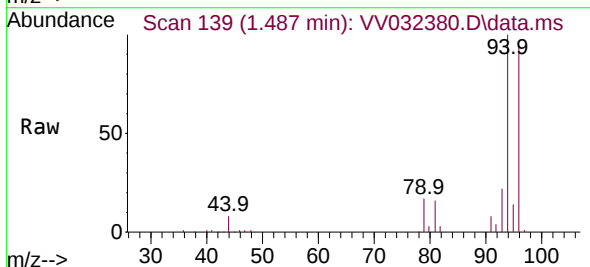
Instrument :
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 ClientSampleId :
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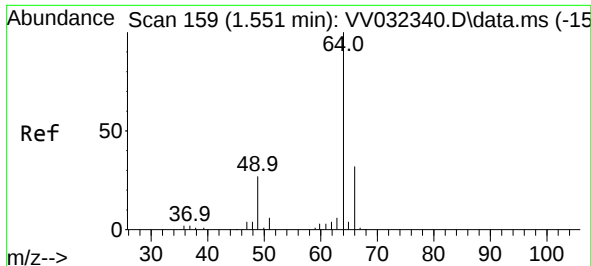
Tgt Ion: 62 Resp: 60398
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.1 42.9



#6
 Bromomethane
 Concen: 5.331 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV032380.D
 Acq: 11 Oct 2023 09:13

Tgt Ion: 94 Resp: 35119
 Ion Ratio Lower Upper
 94 100
 96 94.1 66.8 124.2

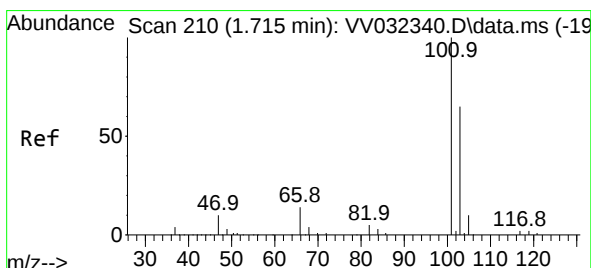
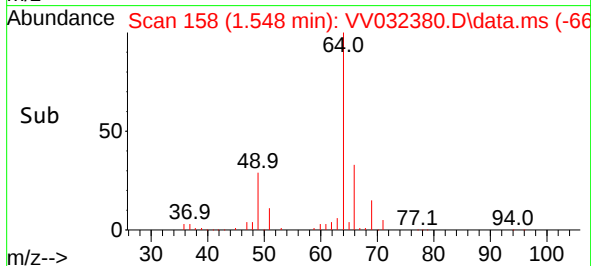
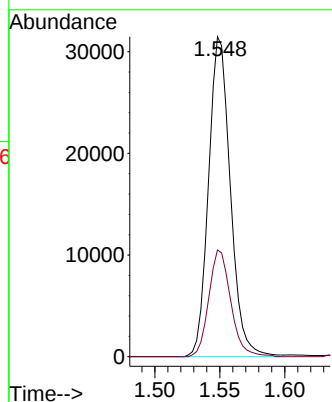
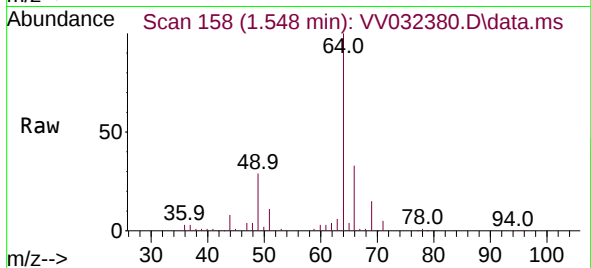




#8
Chloroethane
Concen: 5.594 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

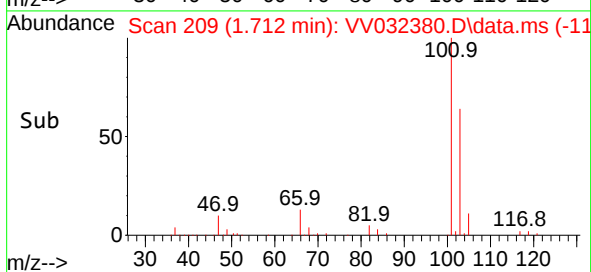
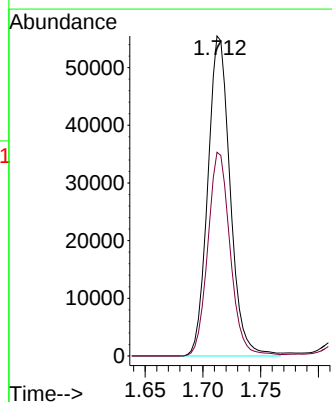
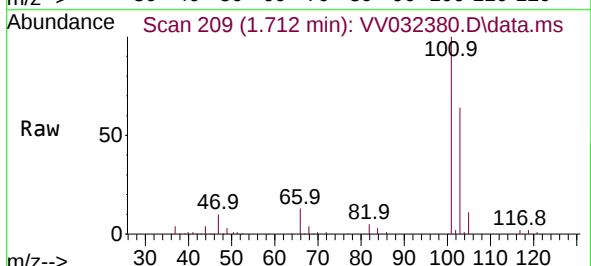
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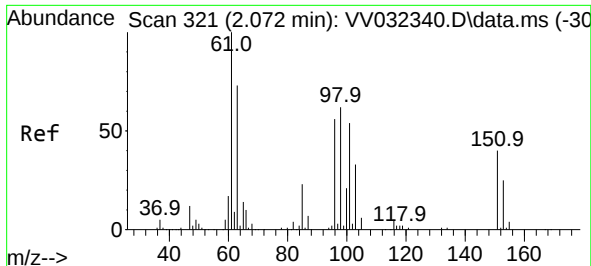
Tgt Ion: 64 Resp: 36727
Ion Ratio Lower Upper
64 100
66 33.4 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.706 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

Tgt Ion:101 Resp: 74618
Ion Ratio Lower Upper
101 100
103 63.6 51.4 77.2

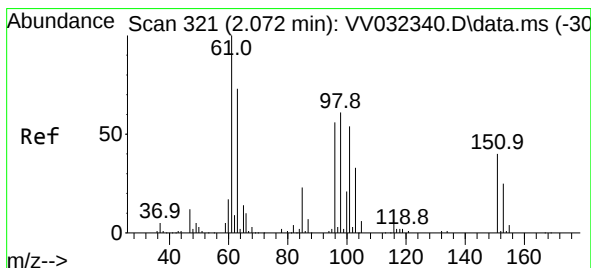
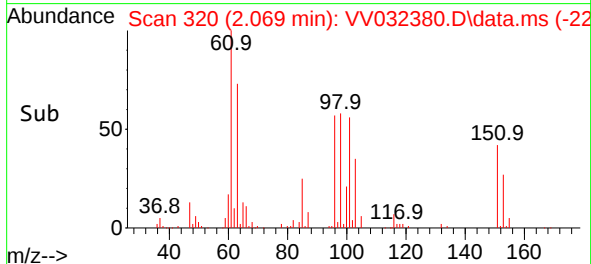
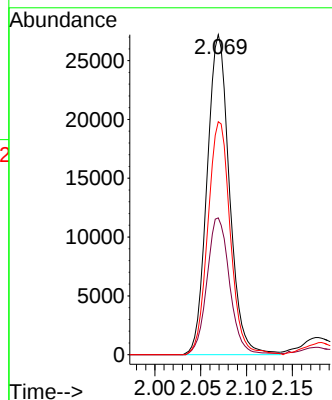
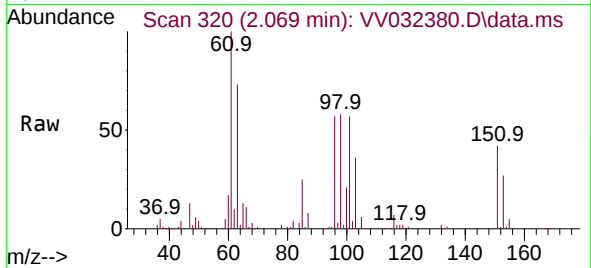




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.830 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV032380.D
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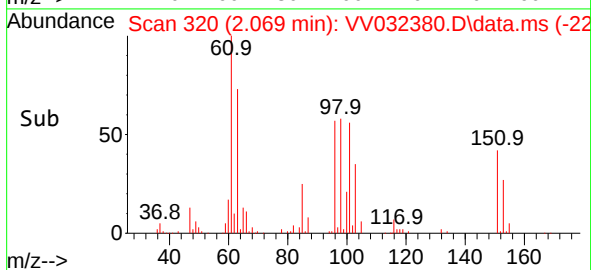
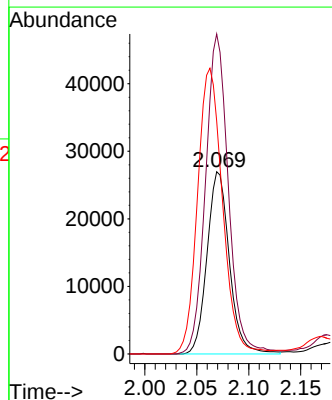
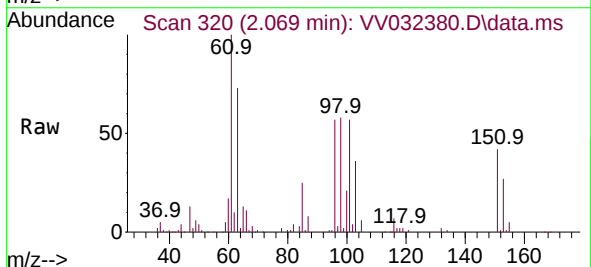
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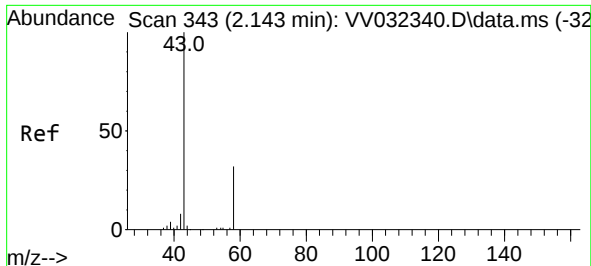
Tgt Ion:101 Resp: 46200
 Ion Ratio Lower Upper
 101 100
 85 43.4 35.0 52.6
 151 72.9 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 5.402 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV032380.D
 Acq: 11 Oct 2023 09:13

Tgt Ion: 96 Resp: 40324
 Ion Ratio Lower Upper
 96 100
 61 175.6 127.3 236.3
 63 127.9 98.3 182.7





#13

Acetone

Concen: 55.675 ug/L

RT: 2.130 min Scan# 31

Delta R.T. -0.007 min

Lab File: VV032380.D

Acq: 11 Oct 2023 09:13

Instrument :

MSVOA_V

ClientSampleId :

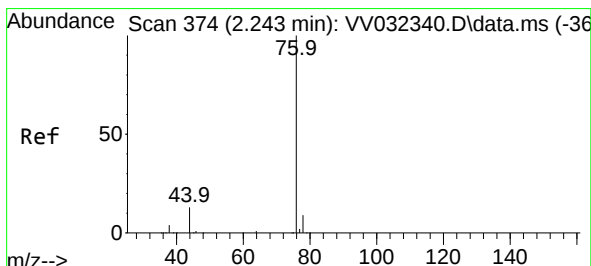
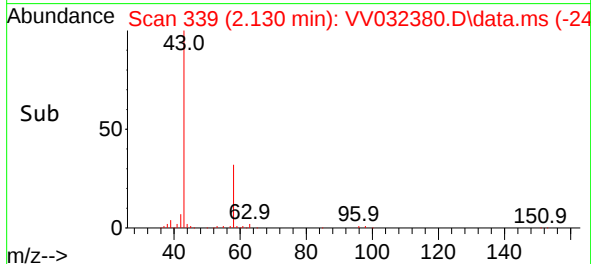
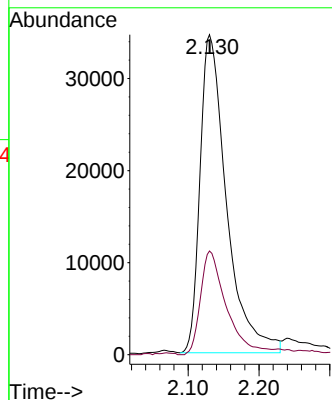
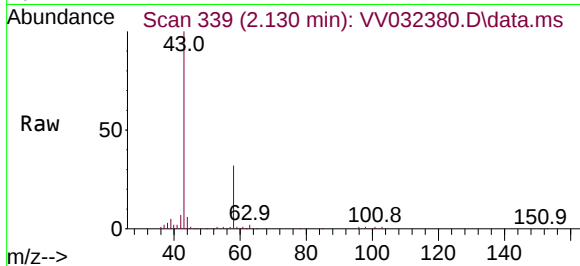
VSTD005399

Tgt Ion: 43 Resp: 89850

Ion Ratio Lower Upper

43 100

58 31.7 0.0 66.0



#14

Carbon disulfide

Concen: 4.860 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

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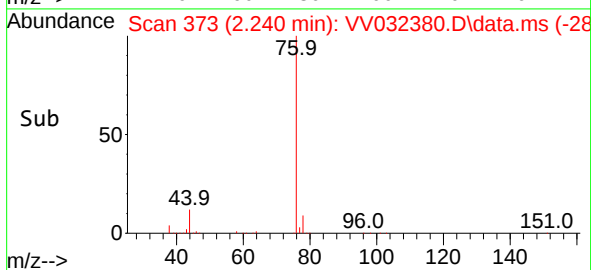
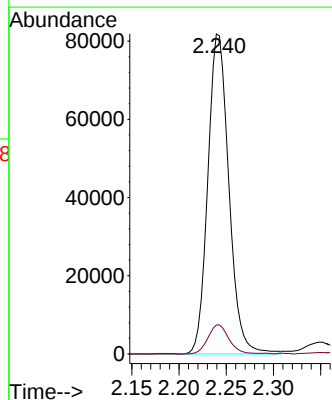
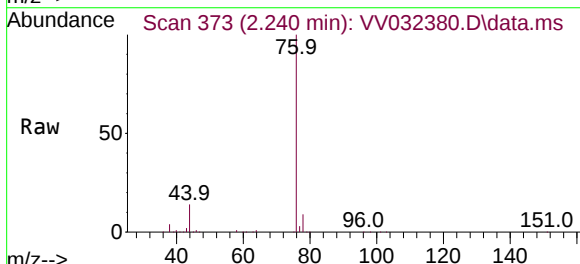
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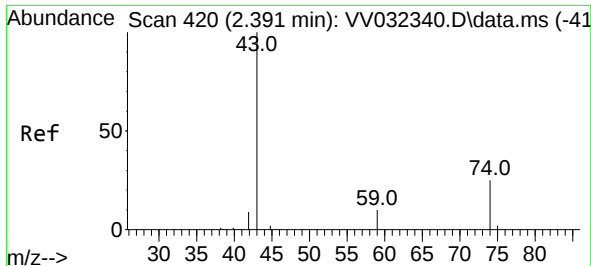
Tgt Ion: 76 Resp: 126810

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

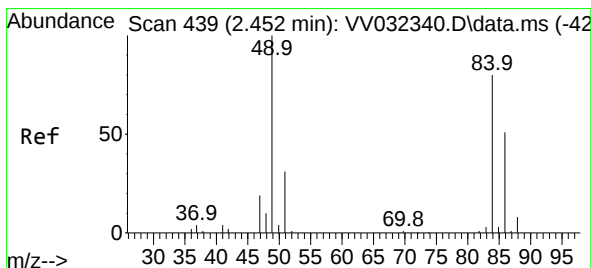
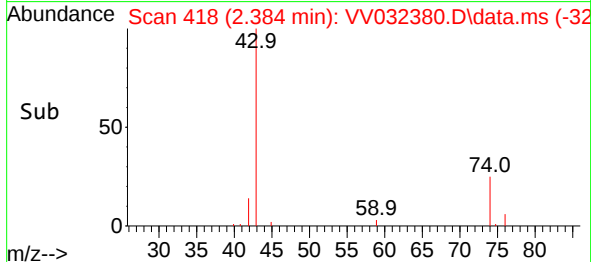
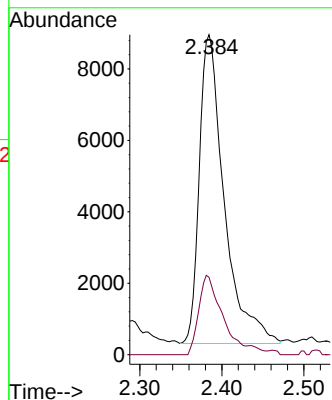
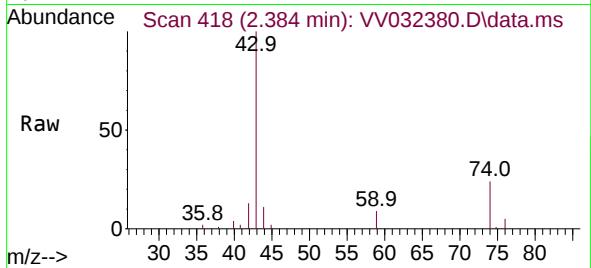




#15
Methyl Acetate
Concen: 5.022 ug/L
RT: 2.384 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

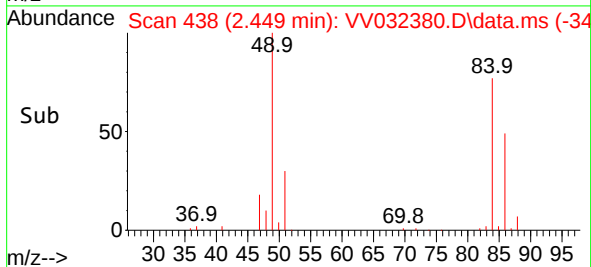
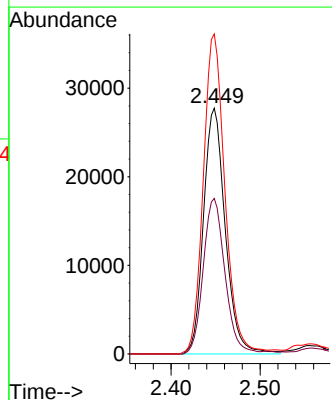
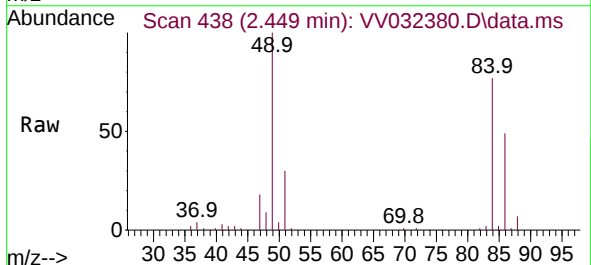
Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

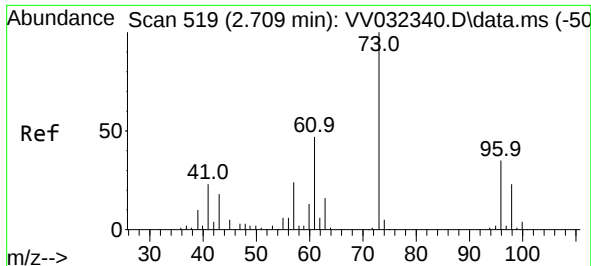
Tgt Ion: 43 Resp: 18247
Ion Ratio Lower Upper
43 100
74 25.4 18.0 27.0



#16
Methylene chloride
Concen: 4.839 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

Tgt Ion: 84 Resp: 47090
Ion Ratio Lower Upper
84 100
86 63.3 43.2 80.2
49 130.2 86.3 160.3

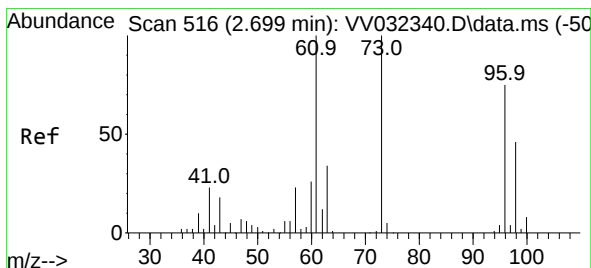
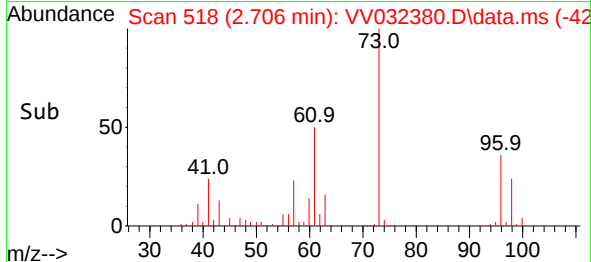
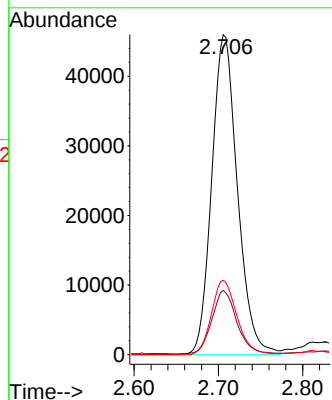
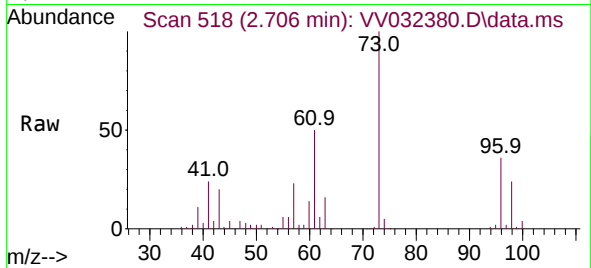




#17
Methyl tert-butyl Ether
Concen: 4.793 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.000 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

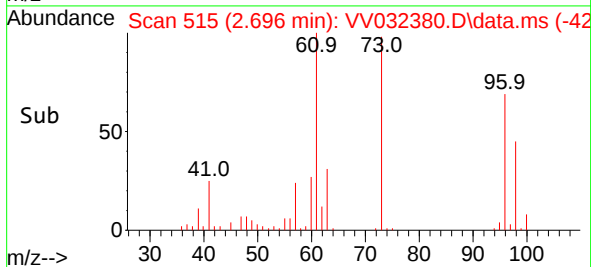
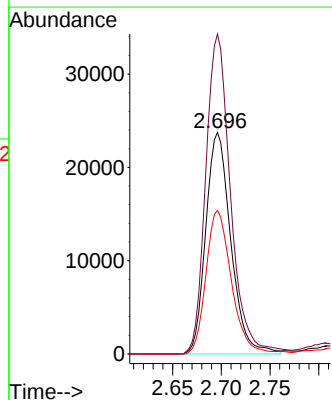
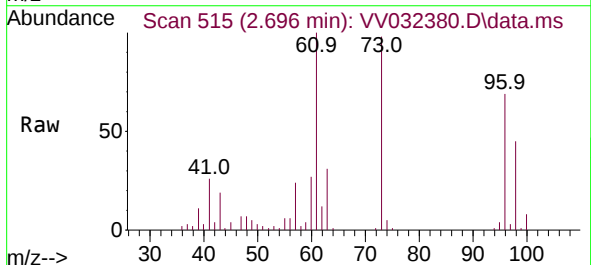
Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

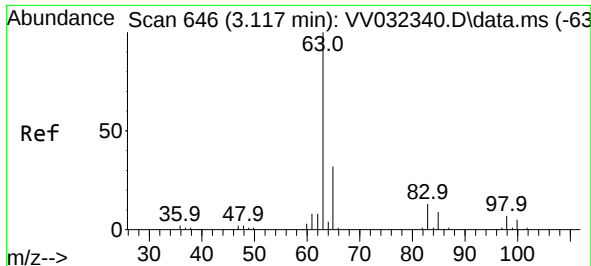
Tgt Ion: 73	Resp: 97406
Ion Ratio	Lower Upper
73	100
43	19.2 15.1 22.7
57	22.9 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.969 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.000 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

Tgt Ion: 96	Resp: 42480
Ion Ratio	Lower Upper
96	100
61	144.5 96.9 180.1
98	64.9 45.3 84.1

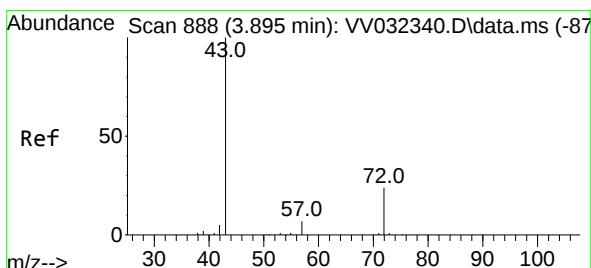
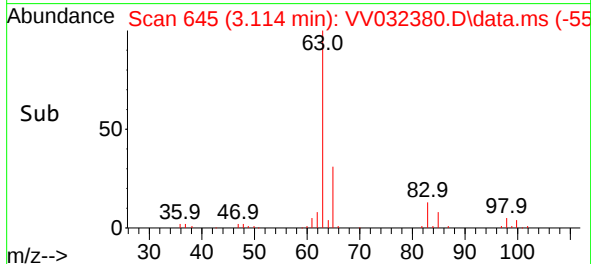
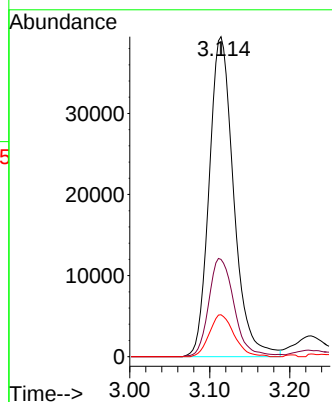
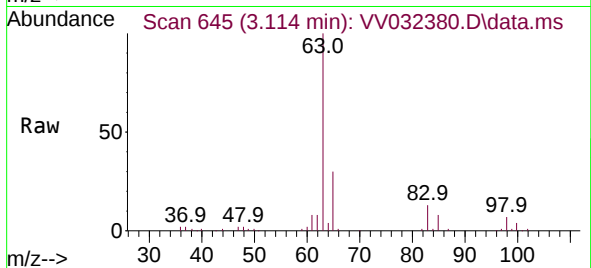




#19
1,1-Dichloroethane
Concen: 5.234 ug/L
RT: 3.114 min Scan# 646
Delta R.T. 0.003 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

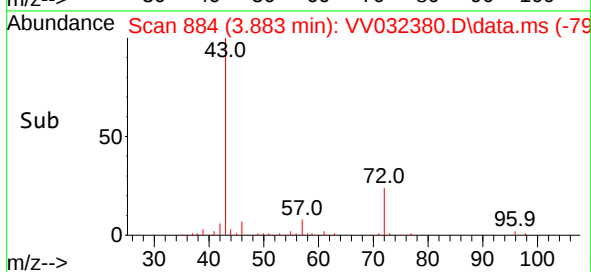
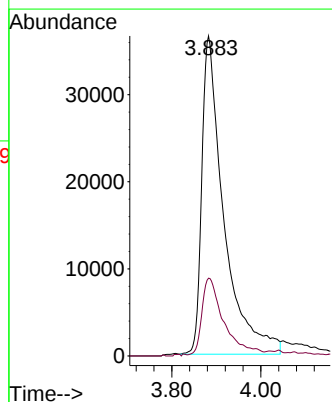
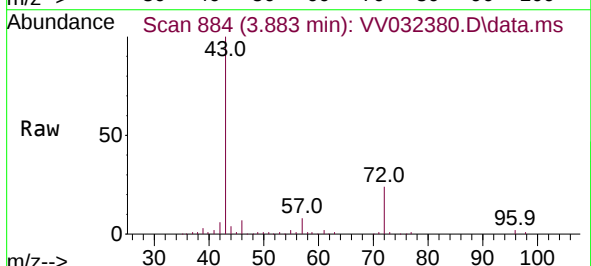
Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

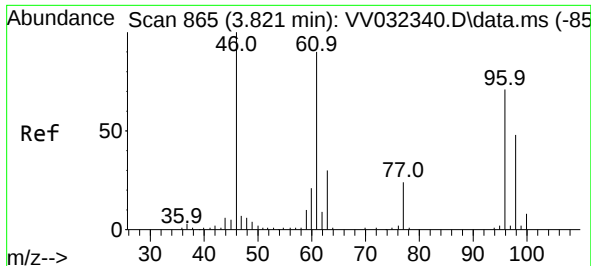
Tgt Ion: 63 Resp: 84179
Ion Ratio Lower Upper
63 100
65 30.4 22.3 41.5
83 13.1 9.0 16.6



#21
2-Butanone
Concen: 49.580 ug/L
RT: 3.883 min Scan# 884
Delta R.T. -0.007 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

Tgt Ion: 43 Resp: 125127
Ion Ratio Lower Upper
43 100
72 23.7 11.6 34.8

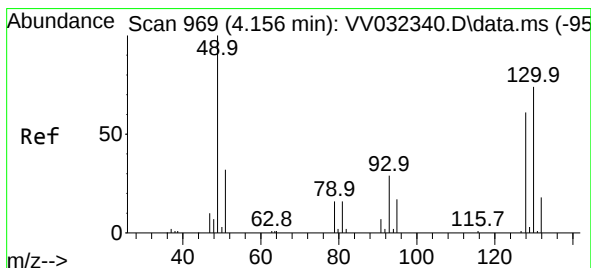
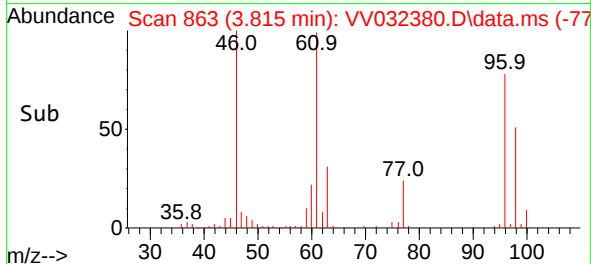
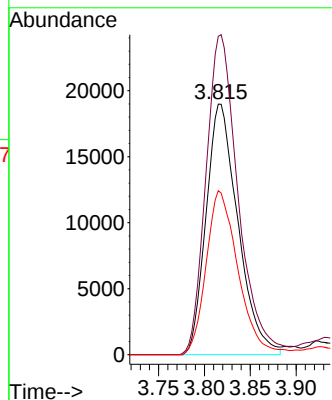
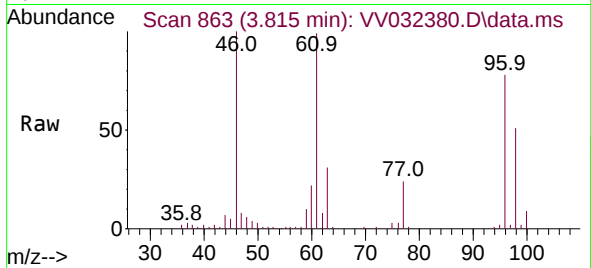




#22
 cis-1,2-Dichloroethene
 Concen: 4.987 ug/L
 RT: 3.815 min Scan# 863
 Delta R.T. -0.003 min
 Lab File: VV032380.D
 Acq: 11 Oct 2023 09:13

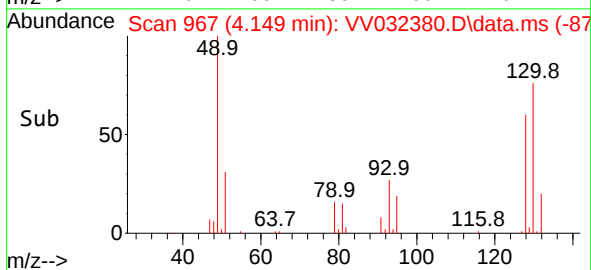
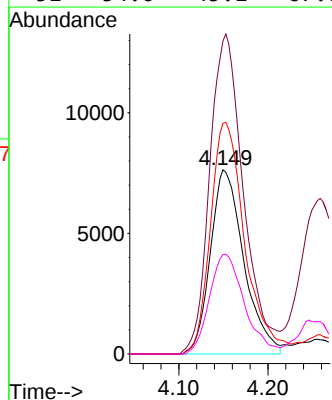
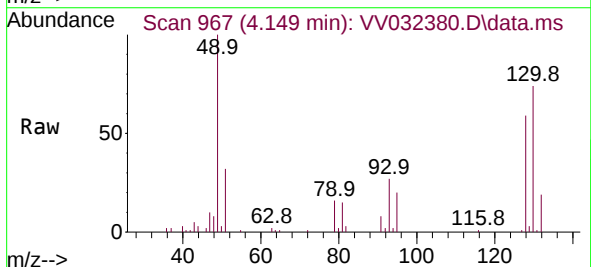
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005399

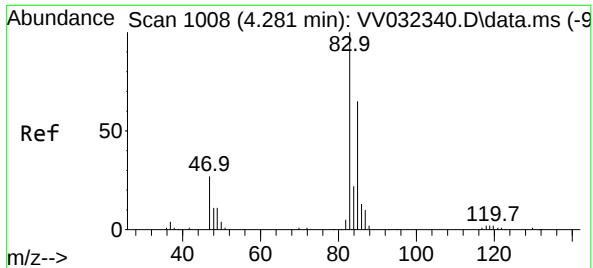
Tgt Ion: 96 Resp: 45909
 Ion Ratio Lower Upper
 96 100
 61 127.0 85.8 159.4
 98 65.4 44.0 81.6



#23
 Bromochloromethane
 Concen: 5.144 ug/L
 RT: 4.149 min Scan# 967
 Delta R.T. -0.000 min
 Lab File: VV032380.D
 Acq: 11 Oct 2023 09:13

Tgt Ion:128 Resp: 19922
 Ion Ratio Lower Upper
 128 100
 49 169.9 121.2 225.0
 130 125.3 88.2 163.8
 51 54.0 45.1 67.7

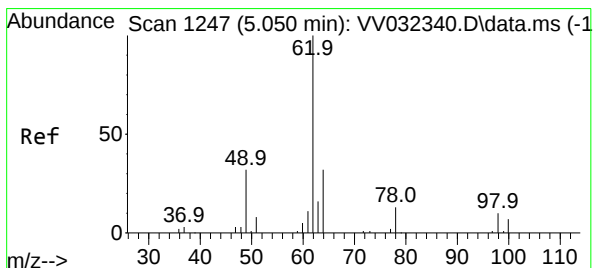
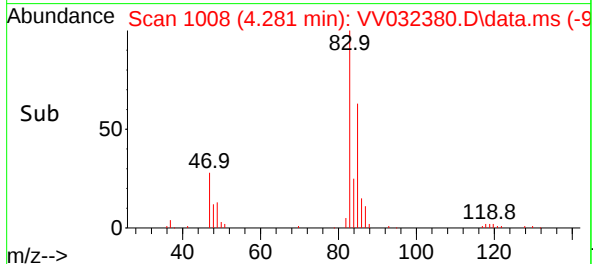
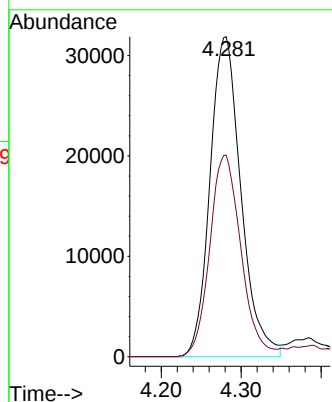
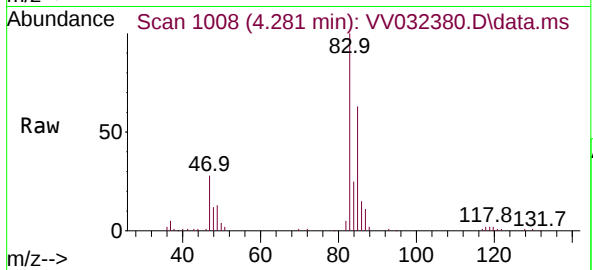




#25
Chloroform
Concen: 5.428 ug/L
RT: 4.281 min Scan# 1008
Delta R.T. 0.003 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

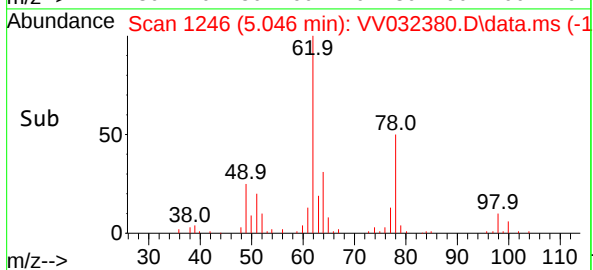
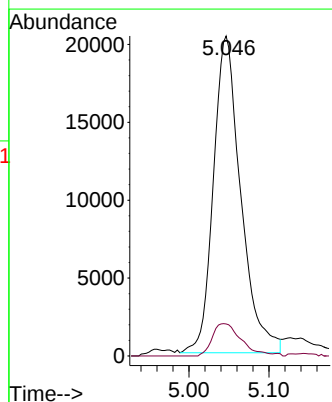
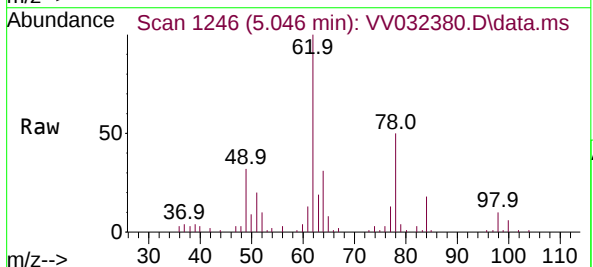
Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

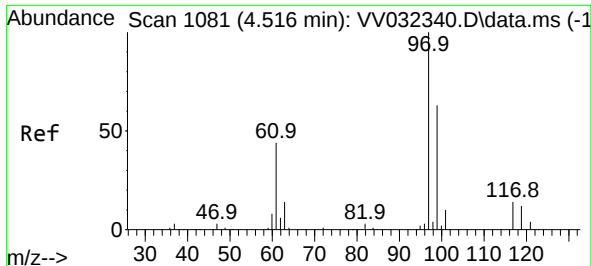
Tgt Ion: 83 Resp: 85662
Ion Ratio Lower Upper
83 100
85 63.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.197 ug/L
RT: 5.046 min Scan# 1246
Delta R.T. -0.000 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

Tgt Ion: 62 Resp: 48450
Ion Ratio Lower Upper
62 100
98 10.0 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.623 ug/L

RT: 4.516 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV032380.D

Acq: 11 Oct 2023 09:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD005399

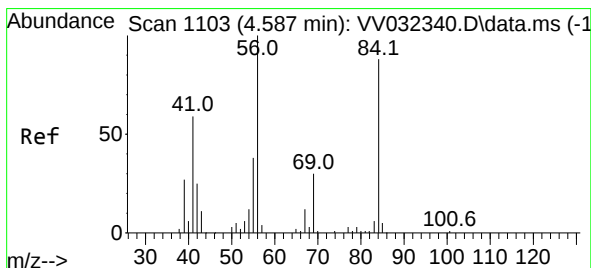
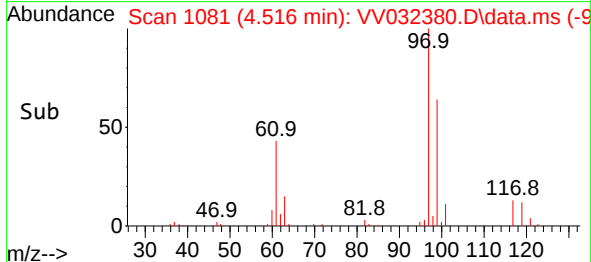
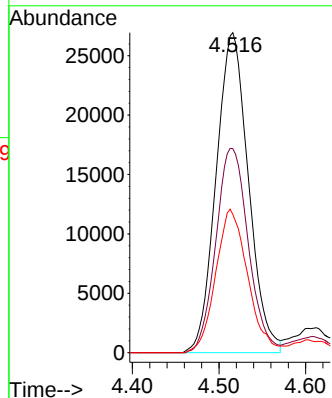
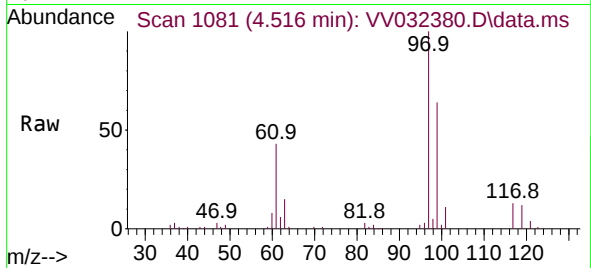
Tgt Ion: 97 Resp: 69820

Ion Ratio Lower Upper

97 100

99 64.2 50.1 75.1

61 44.7 35.1 52.7



#30

Cyclohexane

Concen: 4.116 ug/L

RT: 4.583 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VV032380.D

Acq: 11 Oct 2023 09:13

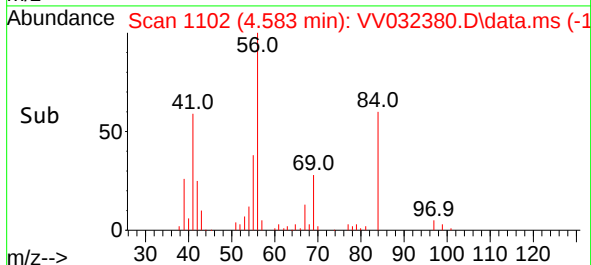
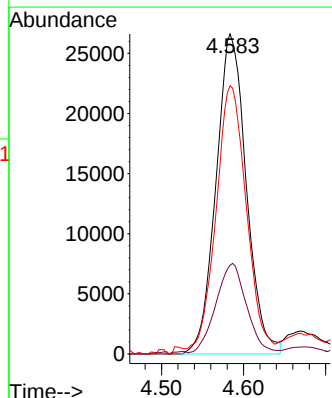
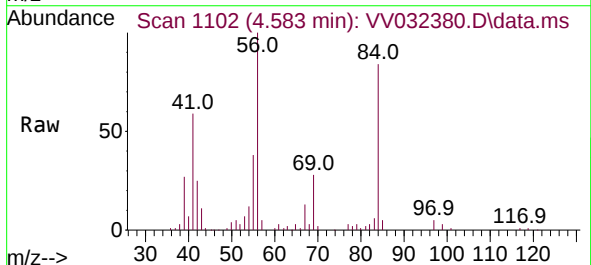
Tgt Ion: 56 Resp: 68305

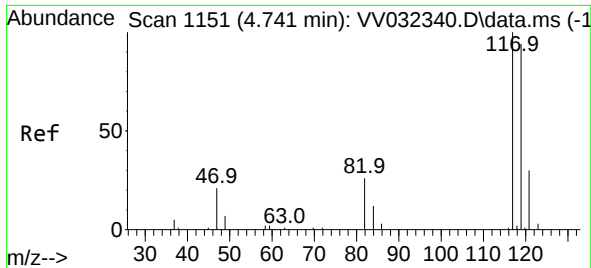
Ion Ratio Lower Upper

56 100

69 28.9 24.2 36.2

84 81.1 68.1 102.1

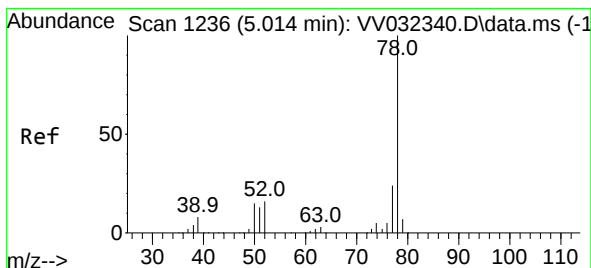
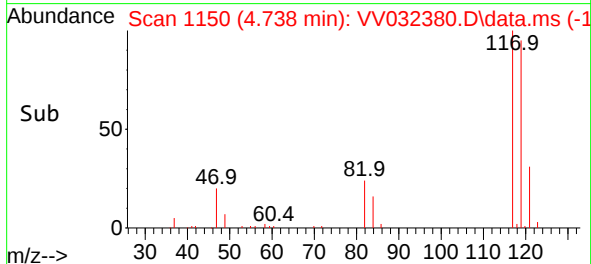
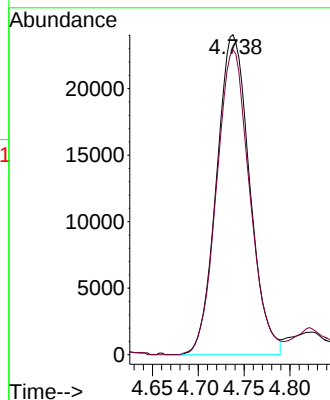
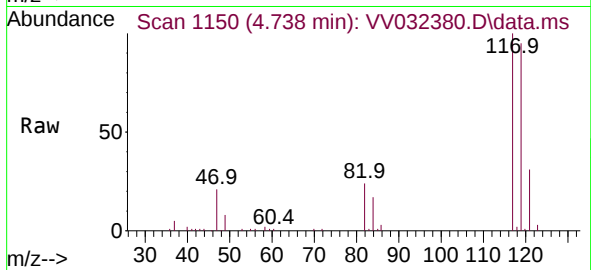




#31
Carbon tetrachloride
Concen: 4.720 ug/L
RT: 4.738 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

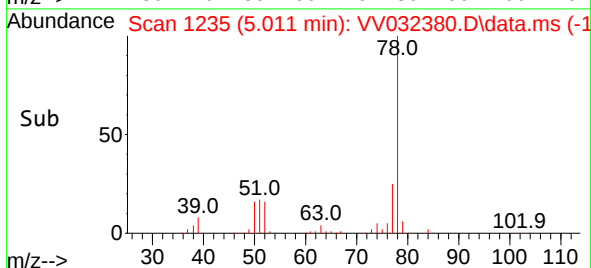
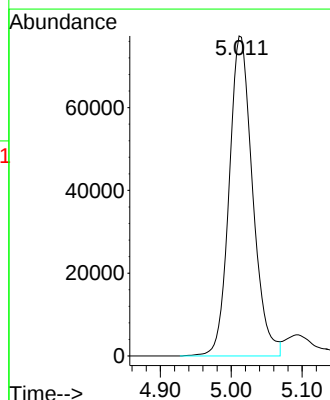
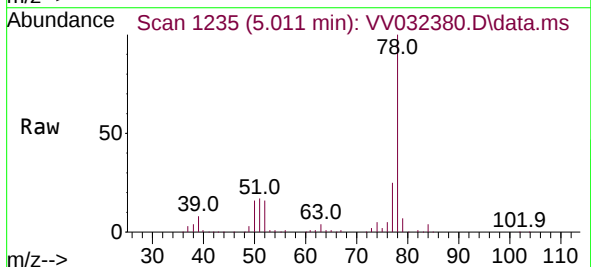
Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

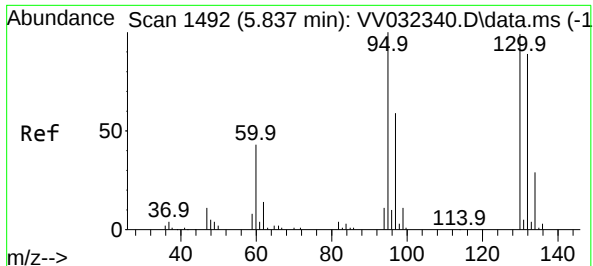
Tgt Ion:117 Resp: 60311
Ion Ratio Lower Upper
117 100
119 95.6 77.6 116.4



#33
Benzene
Concen: 4.544 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

Tgt Ion: 78 Resp: 177697



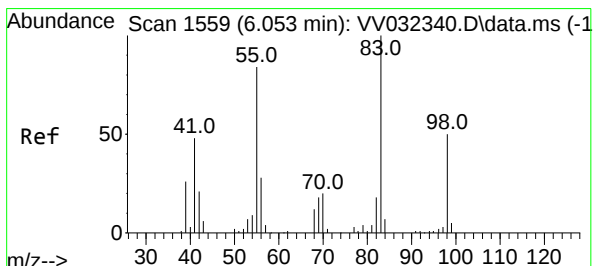
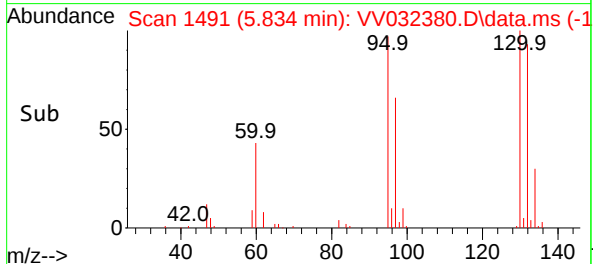
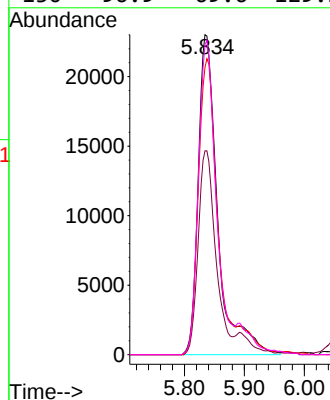
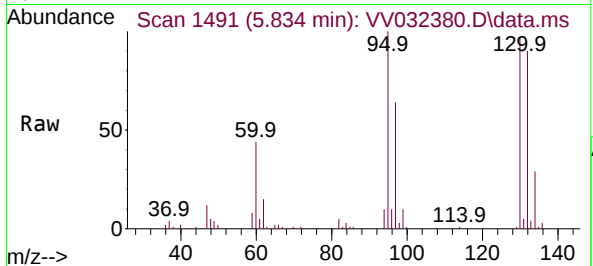


#34
Trichloroethene
Concen: 4.904 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

Tgt Ion: 95 Resp: 52362

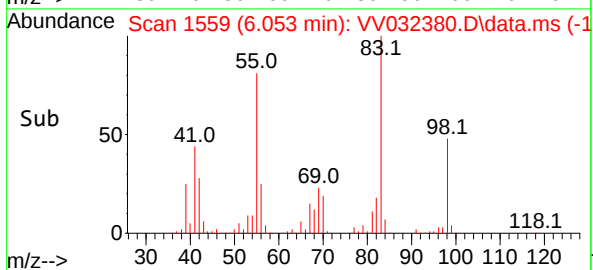
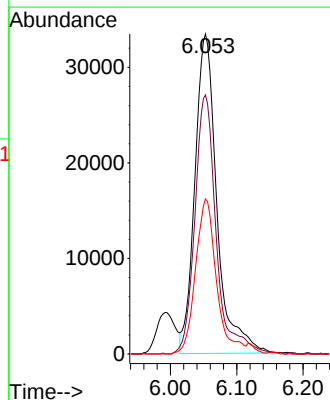
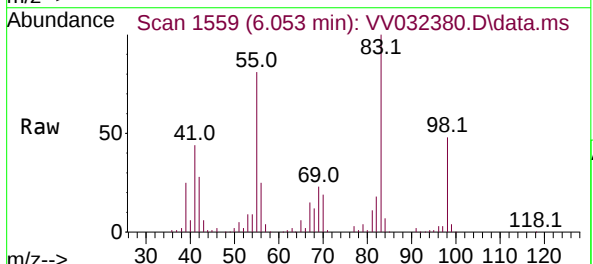
Ion	Ratio	Lower	Upper
95	100		
97	63.7	45.7	84.9
132	89.8	70.3	130.5
130	96.9	69.6	129.2

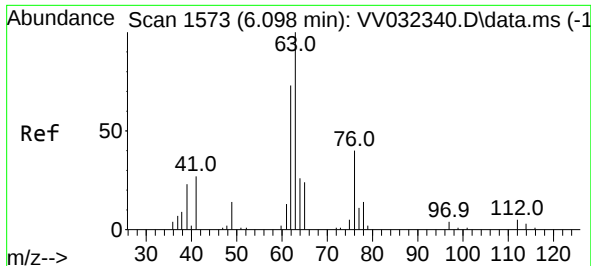


#35
Methylcyclohexane
Concen: 4.676 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.003 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

Tgt Ion: 83 Resp: 77252

Ion	Ratio	Lower	Upper
83	100		
55	79.1	64.2	96.2
98	46.2	39.6	59.4





#37

1,2-Dichloropropane

Concen: 4.798 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV032380.D

Acq: 11 Oct 2023 09:13

Instrument :

MSVOA_V

ClientSampleId :

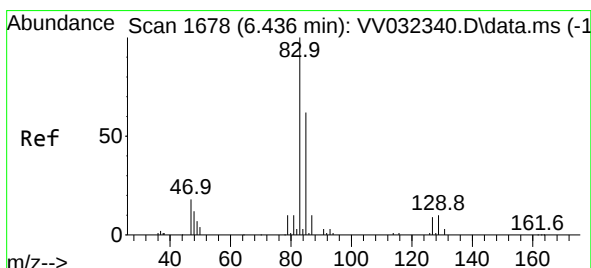
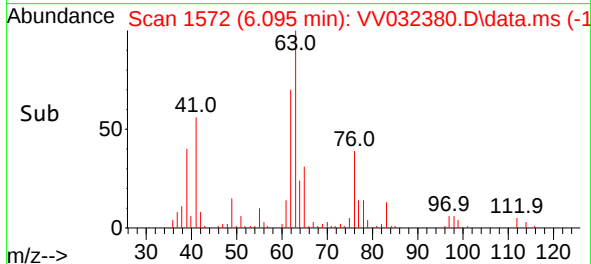
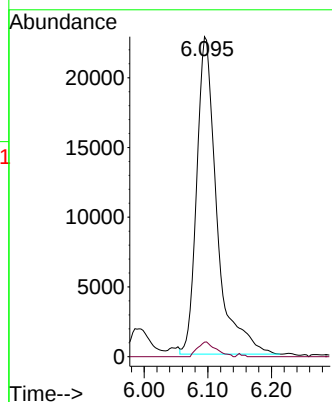
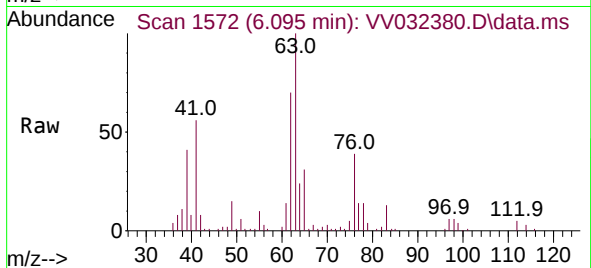
VSTD005399

Tgt Ion: 63 Resp: 50179

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.2



#38

Bromodichloromethane

Concen: 5.020 ug/L

RT: 6.435 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VV032380.D

Acq: 11 Oct 2023 09:13

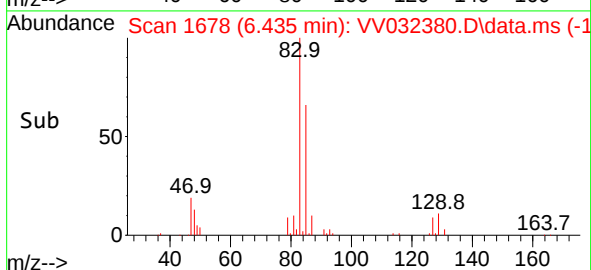
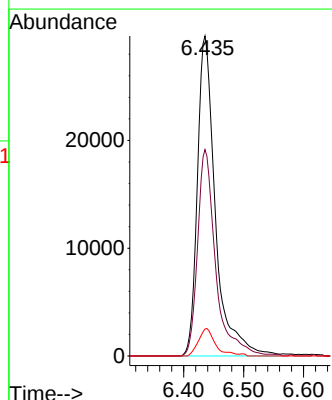
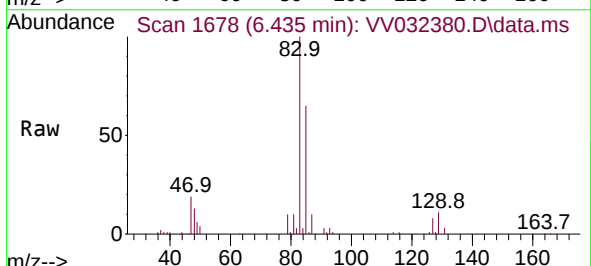
Tgt Ion: 83 Resp: 62388

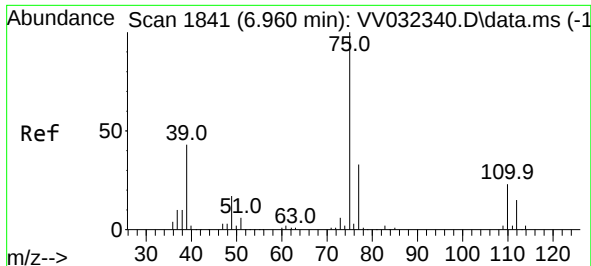
Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.3

127 8.4 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.531 ug/L

RT: 6.956 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV032380.D

Acq: 11 Oct 2023 09:13

Instrument :

MSVOA_V

ClientSampleId :

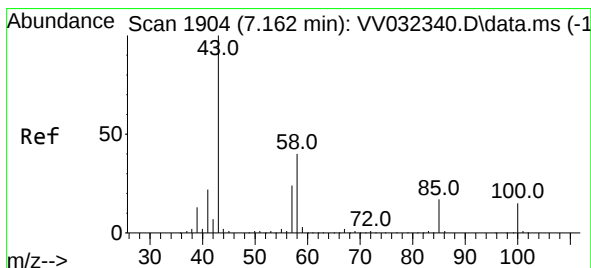
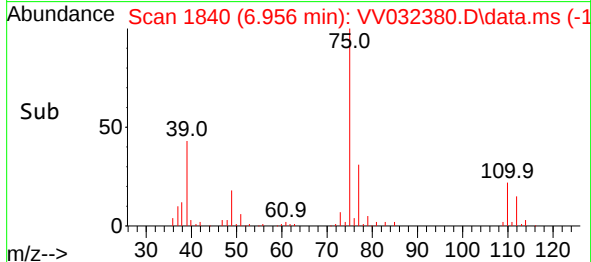
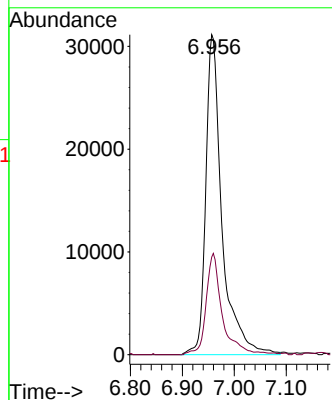
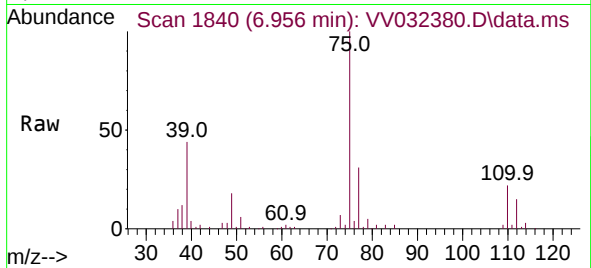
VSTD005399

Tgt Ion: 75 Resp: 67439

Ion Ratio Lower Upper

75 100

77 30.5 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 46.140 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.003 min

Lab File: VV032380.D

Acq: 11 Oct 2023 09:13

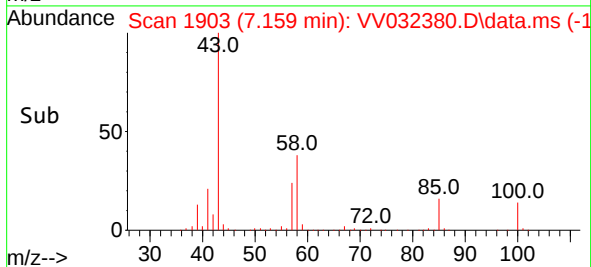
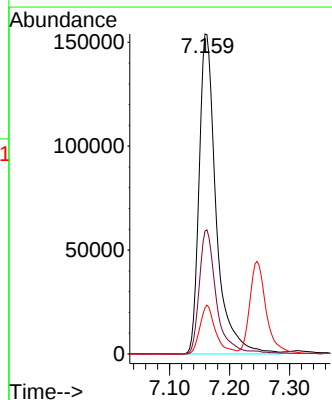
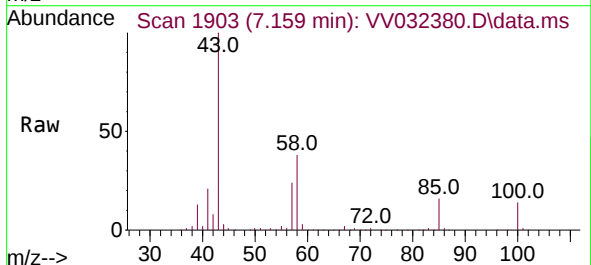
Tgt Ion: 43 Resp: 305393

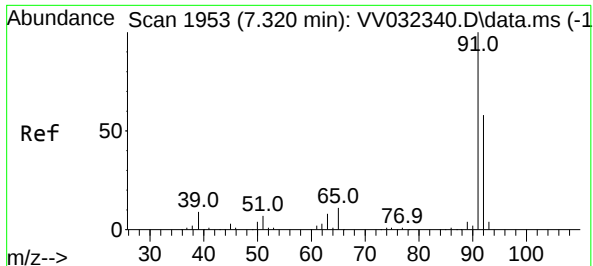
Ion Ratio Lower Upper

43 100

58 39.2 31.9 47.9

100 14.1 11.3 16.9





#42

Toluene

Concen: 4.895 ug/L

RT: 7.316 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VV032380.D

Acq: 11 Oct 2023 09:13

Instrument :

MSVOA_V

ClientSampleId :

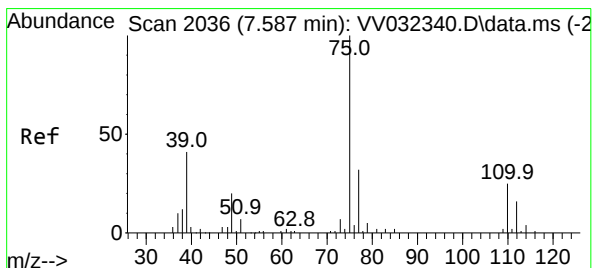
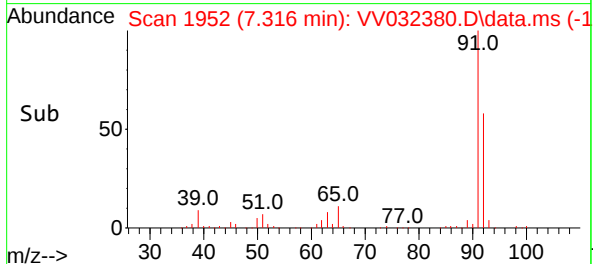
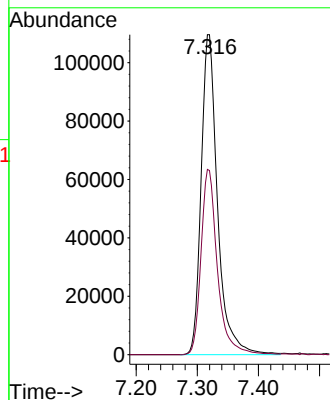
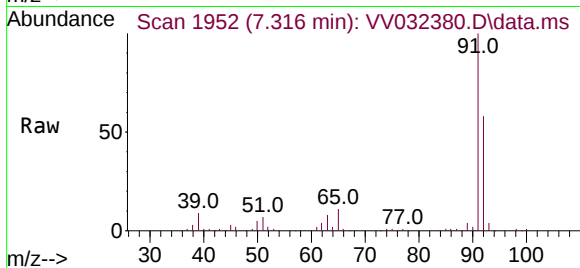
VSTD005399

Tgt Ion: 91 Resp: 204093

Ion Ratio Lower Upper

91 100

92 57.9 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.442 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.003 min

Lab File: VV032380.D

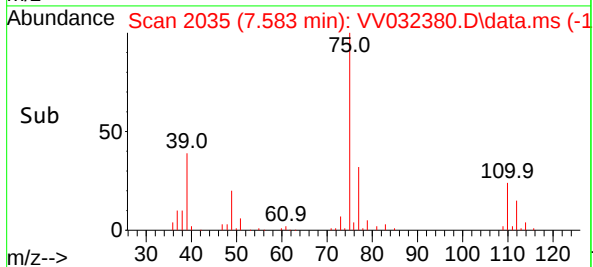
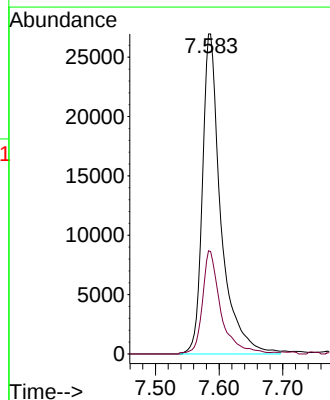
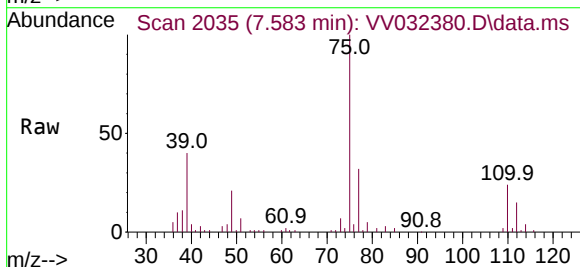
Acq: 11 Oct 2023 09:13

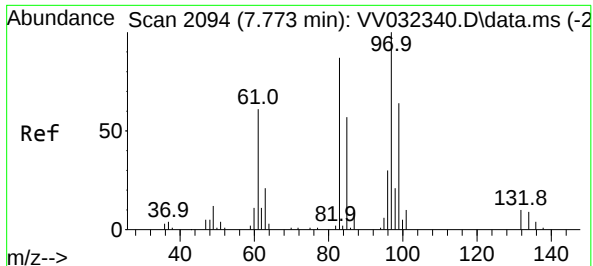
Tgt Ion: 75 Resp: 54344

Ion Ratio Lower Upper

75 100

77 32.3 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 4.869 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. -0.000 min

Lab File: VV032380.D

Acq: 11 Oct 2023 09:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD005399

Tgt Ion: 97 Resp: 35923

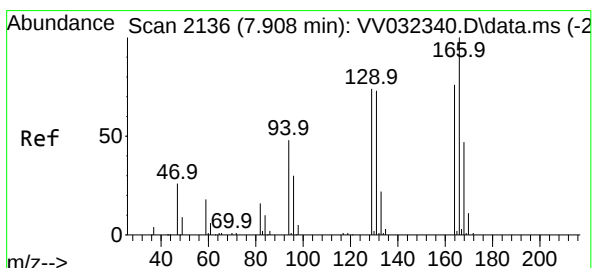
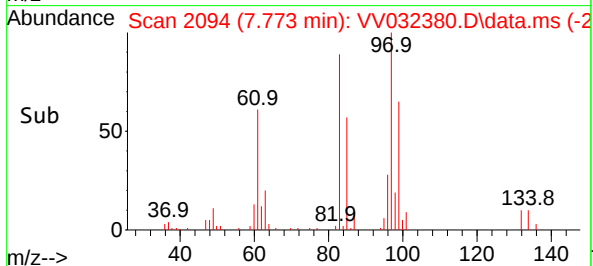
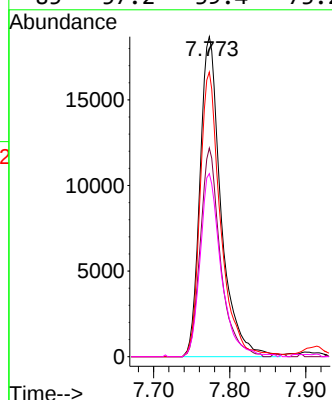
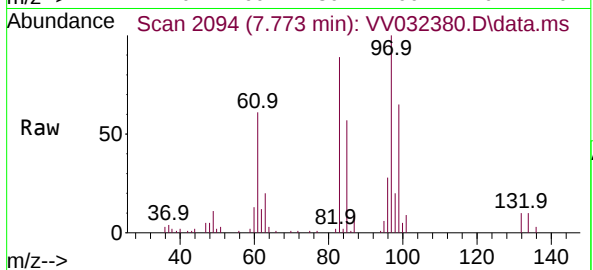
Ion Ratio Lower Upper

97 100

99 65.2 42.8 79.4

83 89.0 60.9 113.1

85 57.2 39.4 73.2



#47

Tetrachloroethene

Concen: 4.777 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VV032380.D

Acq: 11 Oct 2023 09:13

Tgt Ion:164 Resp: 38680

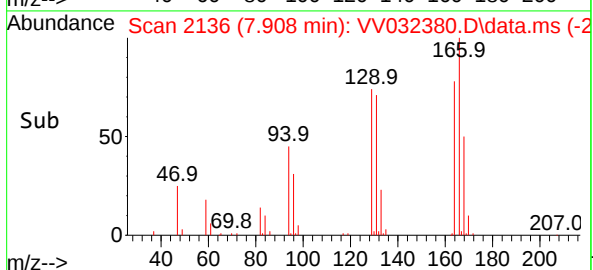
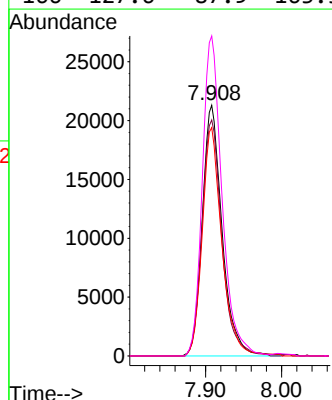
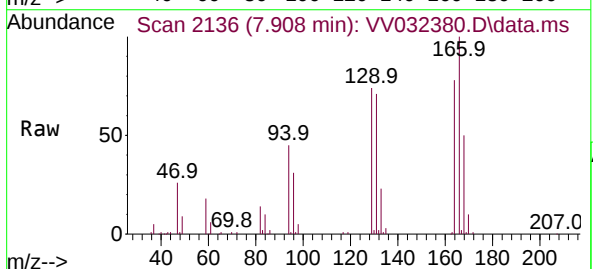
Ion Ratio Lower Upper

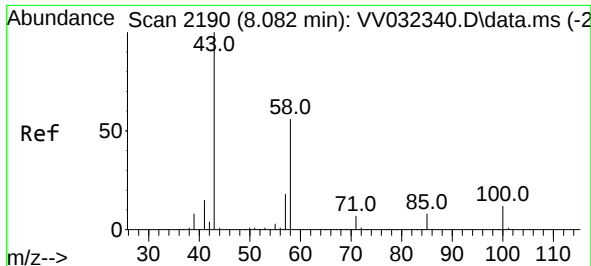
164 100

129 94.1 66.4 123.4

131 91.1 63.7 118.3

166 127.6 87.9 163.3



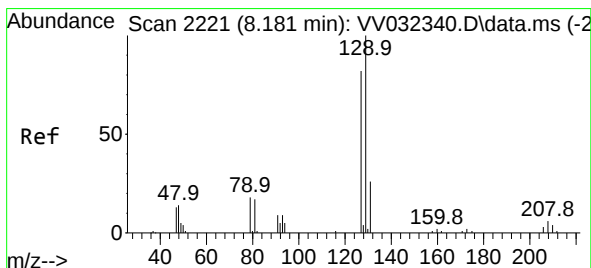
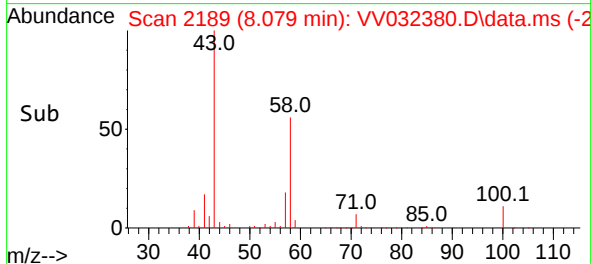
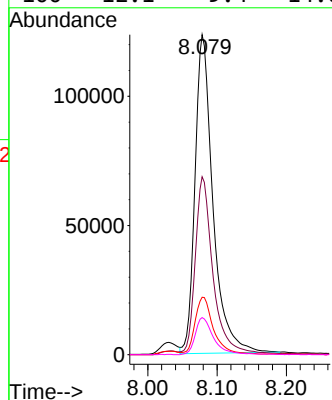
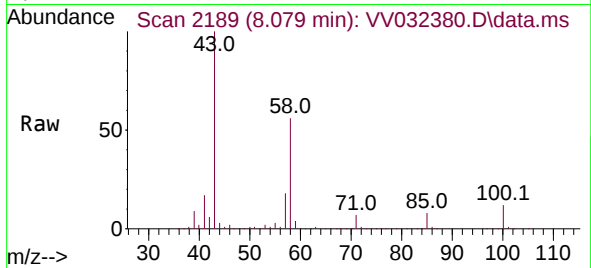


#48
2-Hexanone
Concen: 47.726 ug/L
RT: 8.079 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

Tgt Ion: 43 Resp: 222877

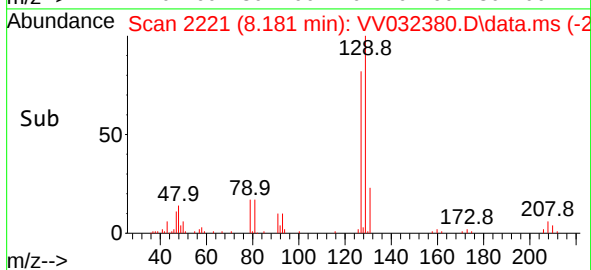
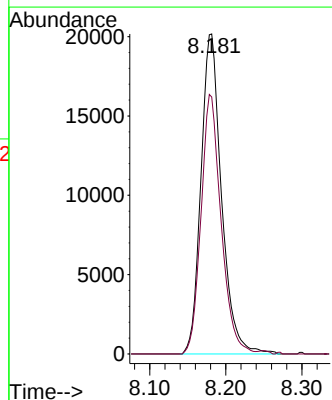
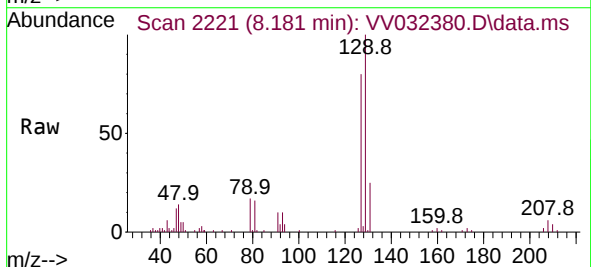
Ion	Ratio	Lower	Upper
43	100		
58	54.6	43.6	65.4
57	18.3	14.6	22.0
100	12.1	9.4	14.0

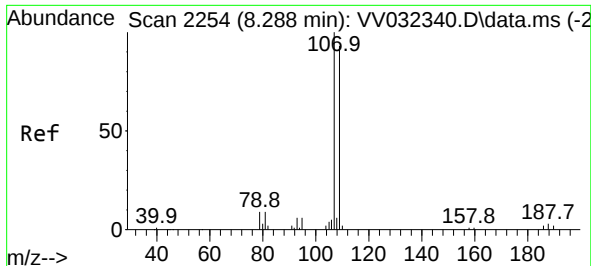


#49
Dibromochloromethane
Concen: 4.934 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. 0.003 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

Tgt Ion: 129 Resp: 37897

Ion	Ratio	Lower	Upper
129	100		
127	80.3	57.2	106.2





#50

1,2-Dibromoethane

Concen: 4.879 ug/L

RT: 8.287 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV032380.D

Acq: 11 Oct 2023 09:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD005399

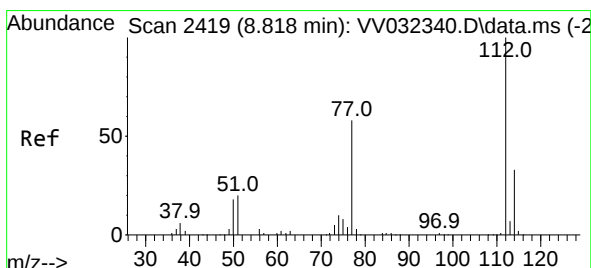
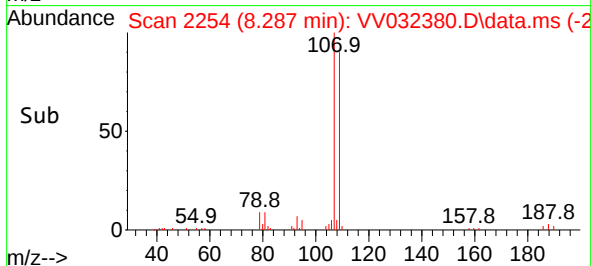
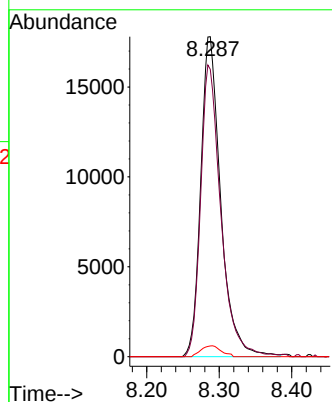
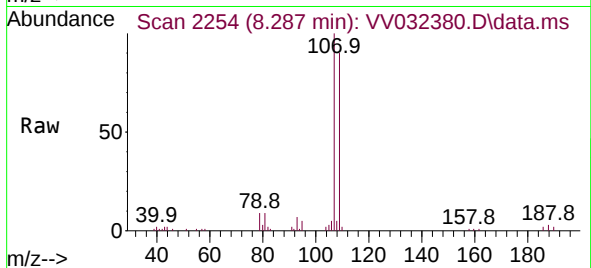
Tgt Ion:107 Resp: 34046

Ion Ratio Lower Upper

107 100

109 89.8 68.4 127.0

188 3.4 3.2 4.8



#51

Chlorobenzene

Concen: 4.714 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.003 min

Lab File: VV032380.D

Acq: 11 Oct 2023 09:13

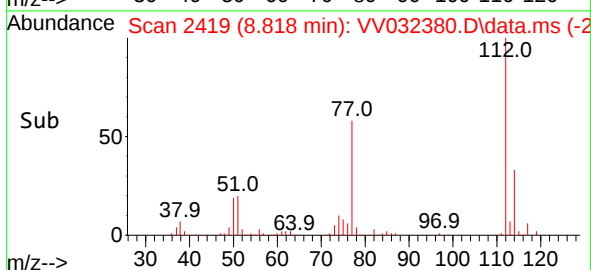
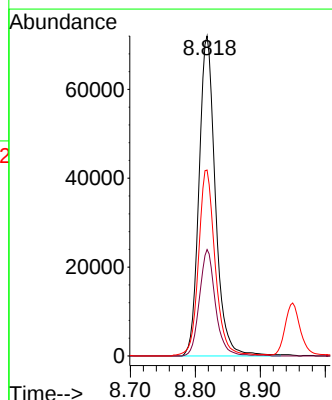
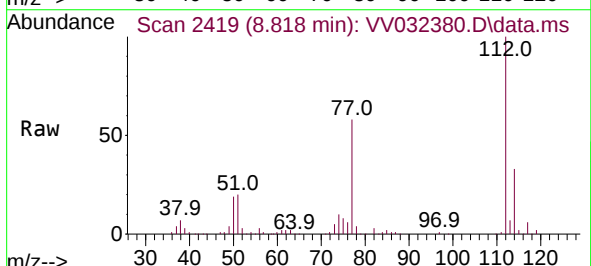
Tgt Ion:112 Resp: 126528

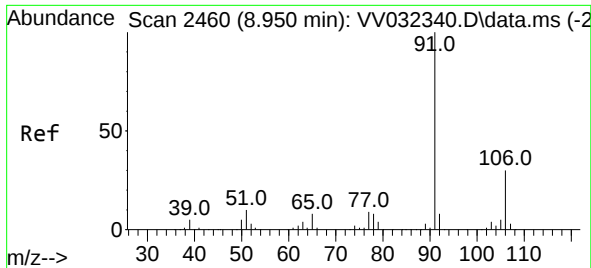
Ion Ratio Lower Upper

112 100

114 33.3 22.1 41.1

77 58.1 46.1 69.1

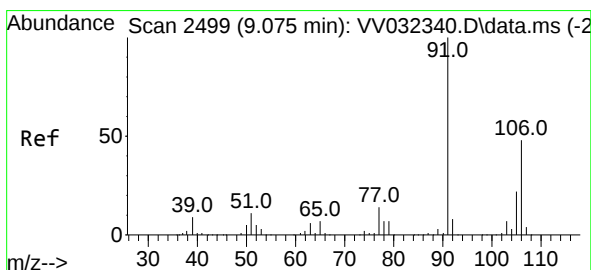
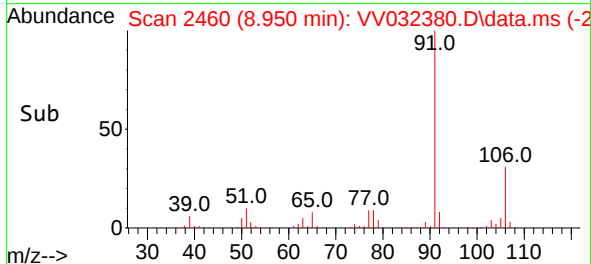
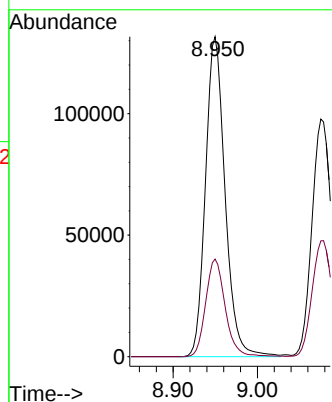
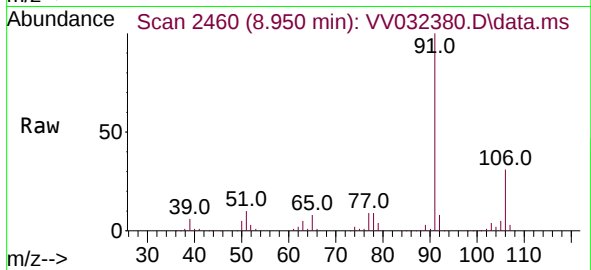




#52
Ethylbenzene
Concen: 4.589 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. -0.000 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

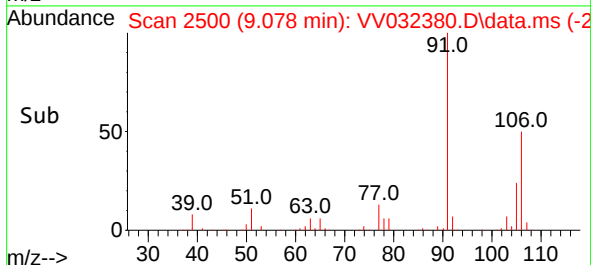
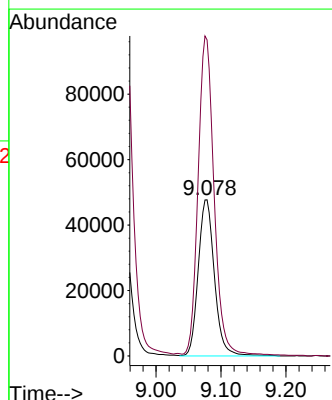
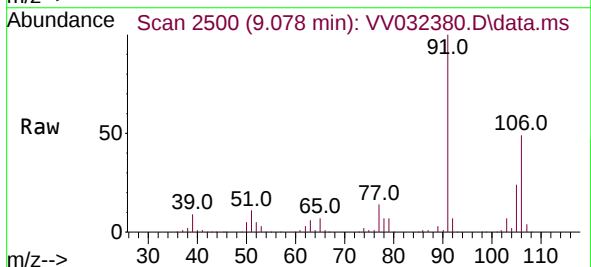
Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

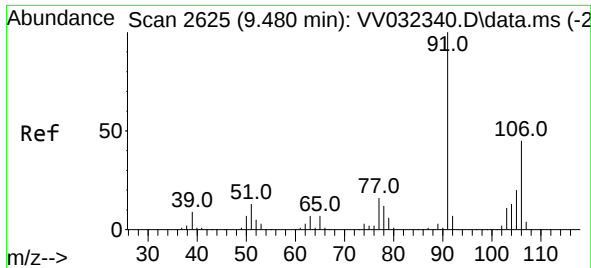
Tgt Ion: 91 Resp: 213056
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.5



#53
m,p-Xylene
Concen: 4.821 ug/L
RT: 9.078 min Scan# 2500
Delta R.T. 0.003 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

Tgt Ion: 106 Resp: 83010
Ion Ratio Lower Upper
106 100
91 202.3 144.5 268.3

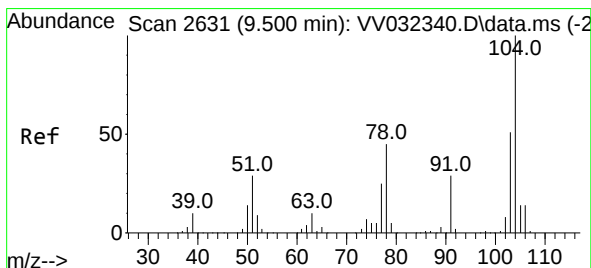
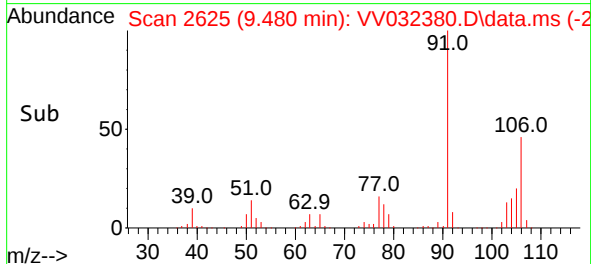
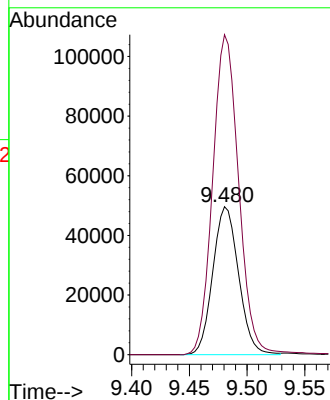
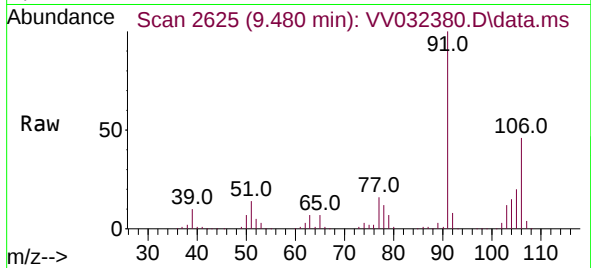




#54
o-Xylene
Concen: 4.649 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

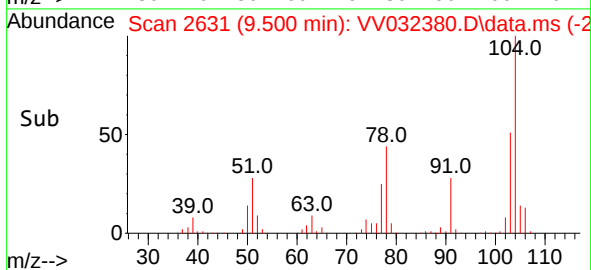
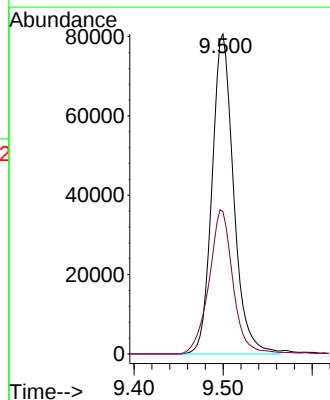
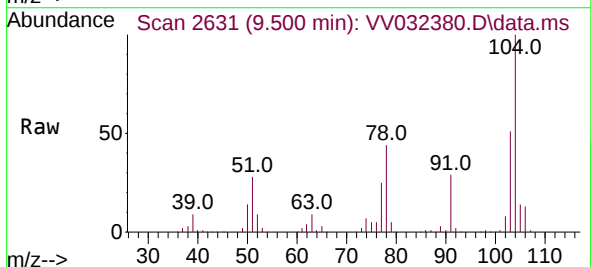
Instrument : MSVOA_V
ClientSampleId : VSTD005399

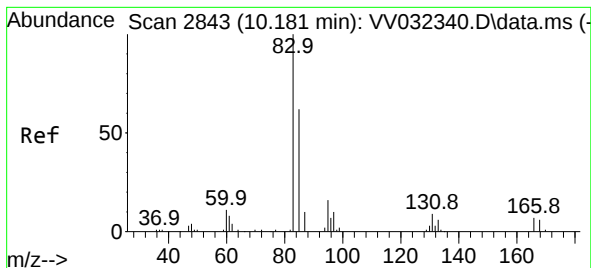
Tgt Ion:106 Resp: 77136
Ion Ratio Lower Upper
106 100
91 216.3 154.8 287.4



#55
Styrene
Concen: 4.843 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

Tgt Ion:104 Resp: 135689
Ion Ratio Lower Upper
104 100
78 44.5 29.9 55.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.006 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VV032380.D

Acq: 11 Oct 2023 09:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD005399

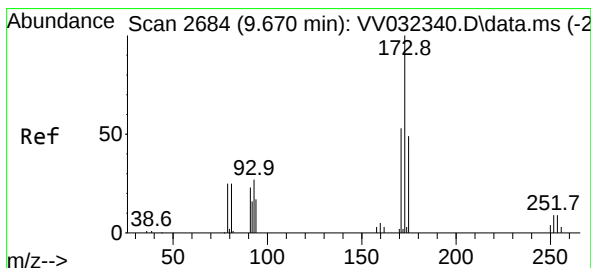
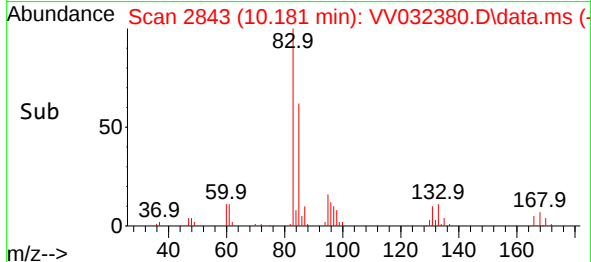
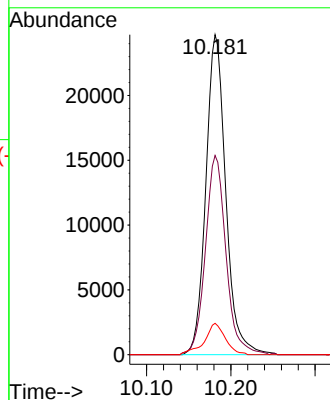
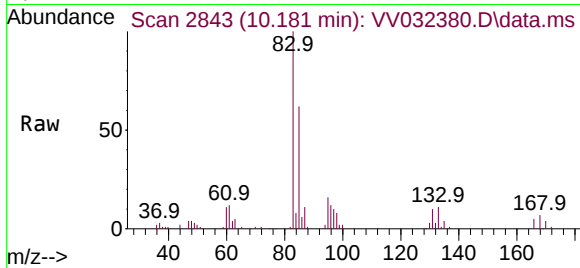
Tgt Ion: 83 Resp: 40639

Ion Ratio Lower Upper

83 100

85 62.2 43.6 81.0

131 9.8 7.0 10.6



#59

Bromoform

Concen: 4.642 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.003 min

Lab File: VV032380.D

Acq: 11 Oct 2023 09:13

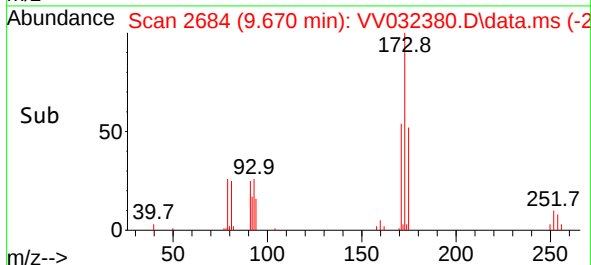
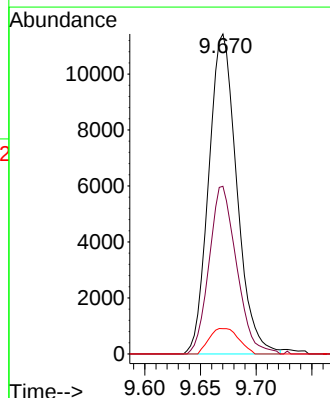
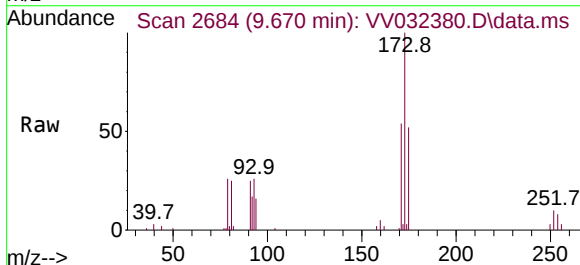
Tgt Ion: 173 Resp: 20054

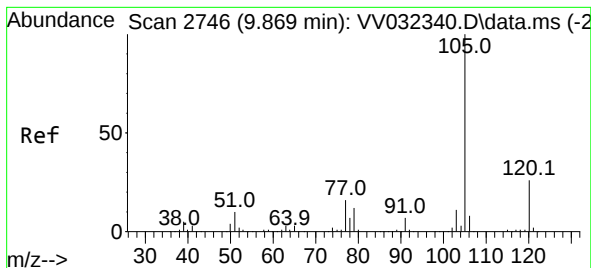
Ion Ratio Lower Upper

173 100

175 51.2 38.2 57.2

254 8.3 7.0 10.4





#60

Isopropylbenzene

Concen: 4.671 ug/L

RT: 9.869 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV032380.D

Acq: 11 Oct 2023 09:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD005399

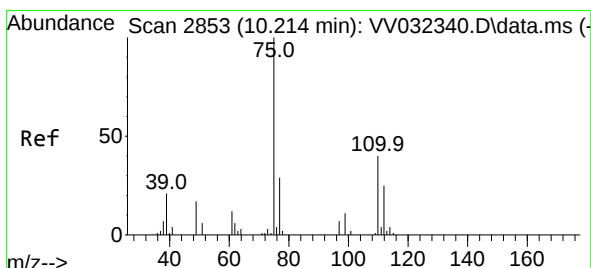
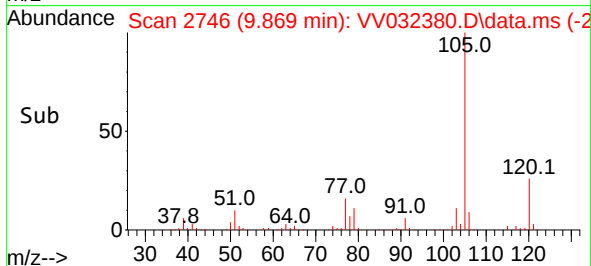
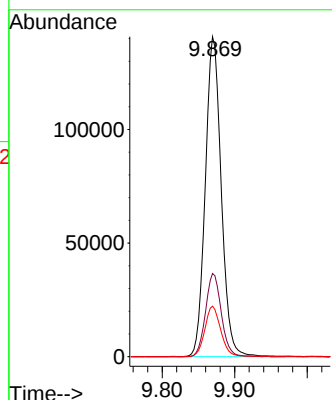
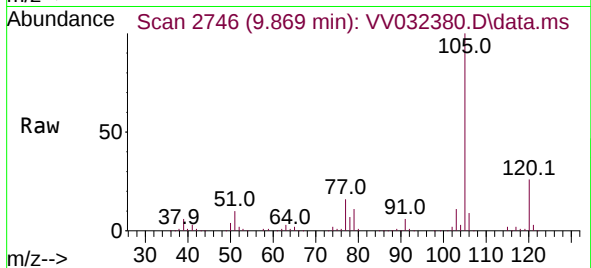
Tgt Ion:105 Resp: 215637

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.6

77 15.8 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 4.615 ug/L

RT: 10.213 min Scan# 2853

Delta R.T. -0.000 min

Lab File: VV032380.D

Acq: 11 Oct 2023 09:13

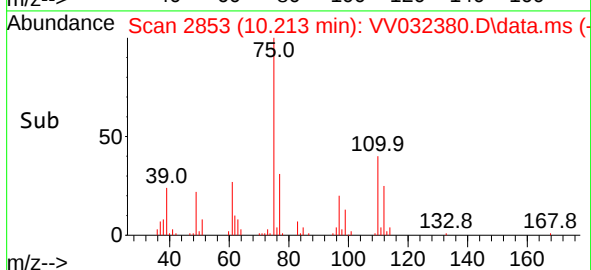
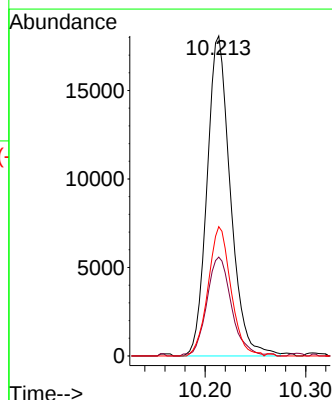
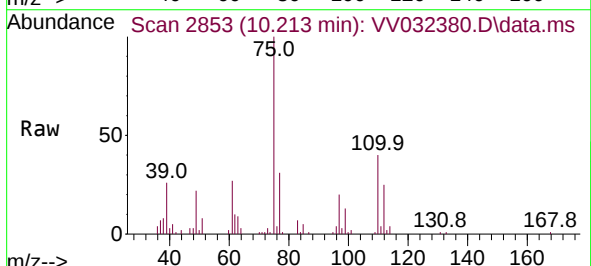
Tgt Ion: 75 Resp: 29182

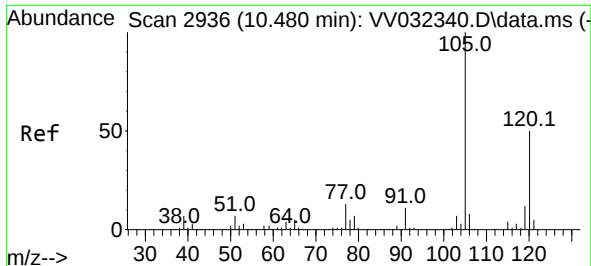
Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.2

110 39.5 30.6 46.0





#62

1,3,5-Trimethylbenzene

Concen: 4.441 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VV032380.D

Acq: 11 Oct 2023 09:13

Instrument :

MSVOA_V

ClientSampleId :

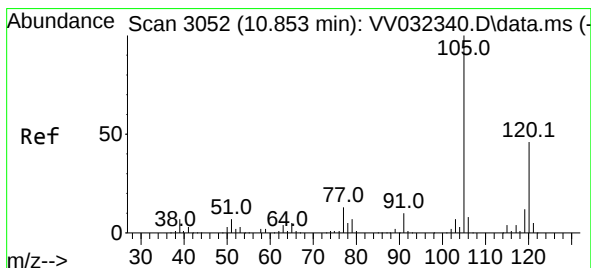
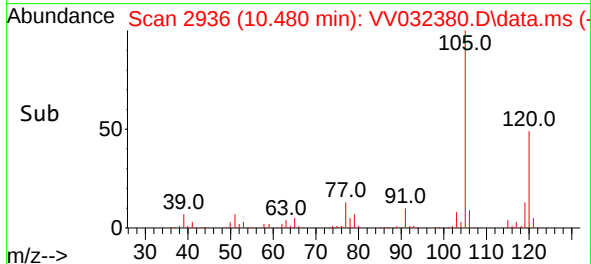
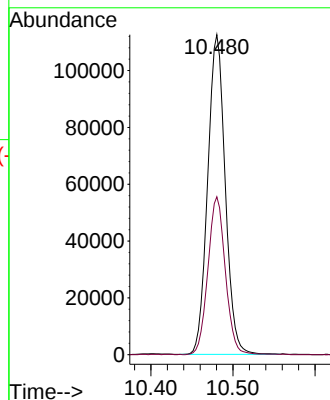
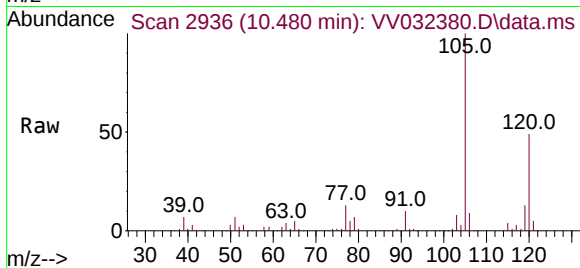
VSTD005399

Tgt Ion:105 Resp: 167123

Ion Ratio Lower Upper

105 100

120 49.2 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 4.554 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.003 min

Lab File: VV032380.D

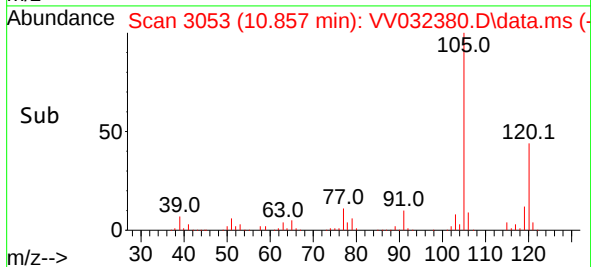
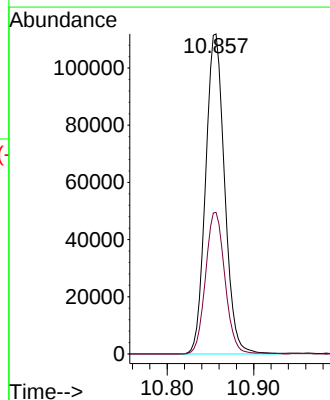
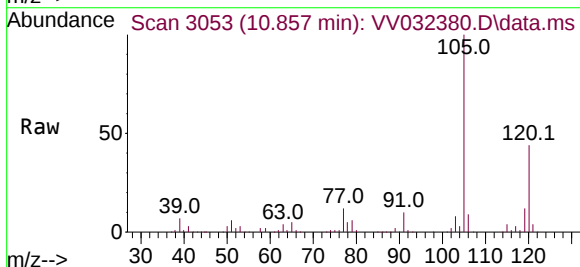
Acq: 11 Oct 2023 09:13

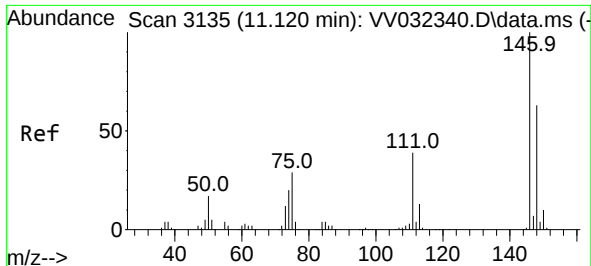
Tgt Ion:105 Resp: 170596

Ion Ratio Lower Upper

105 100

120 45.2 36.2 54.4

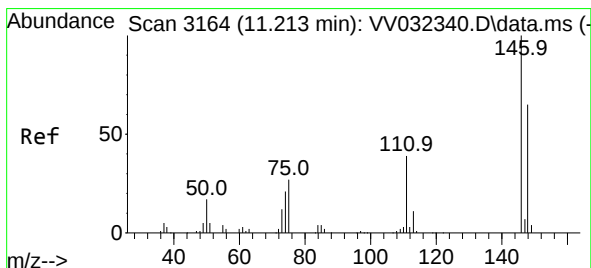
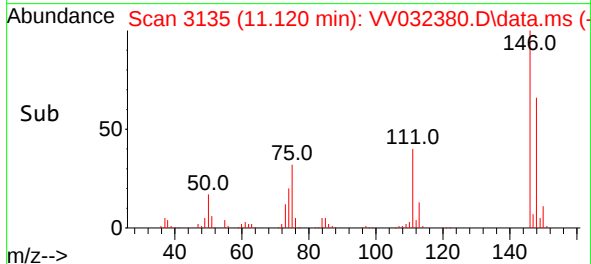
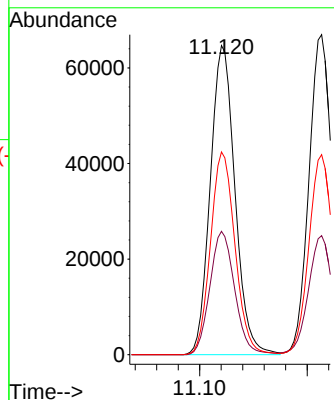
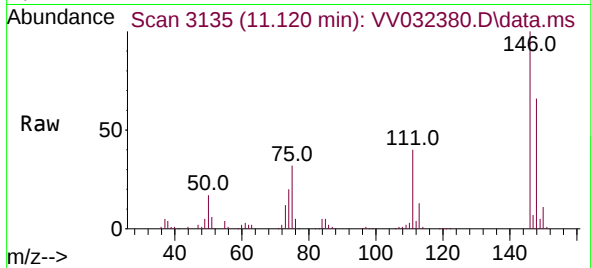




#64
1,3-Dichlorobenzene
Concen: 4.675 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

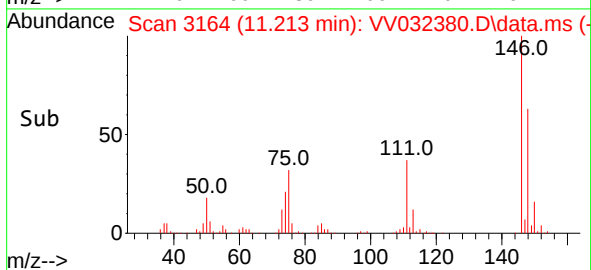
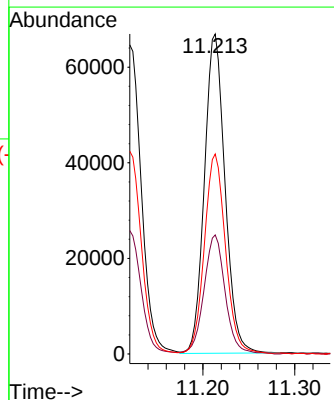
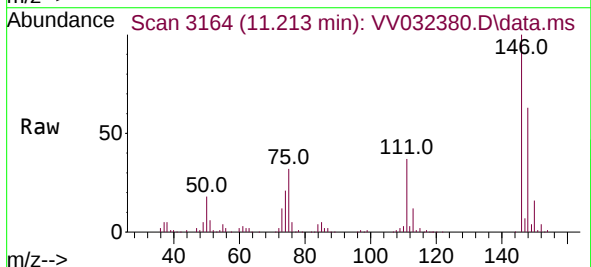
Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

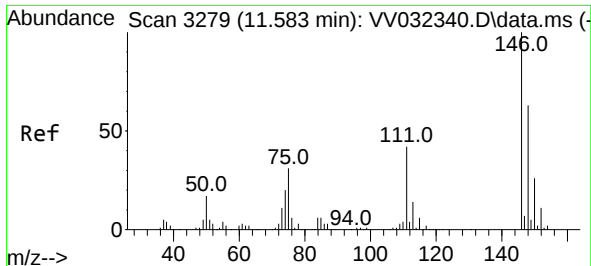
Tgt Ion:146 Resp: 103109
Ion Ratio Lower Upper
146 100
111 39.9 27.8 51.6
148 65.6 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 4.712 ug/L
RT: 11.213 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

Tgt Ion:146 Resp: 104261
Ion Ratio Lower Upper
146 100
111 37.2 26.9 49.9
148 62.5 44.8 83.2

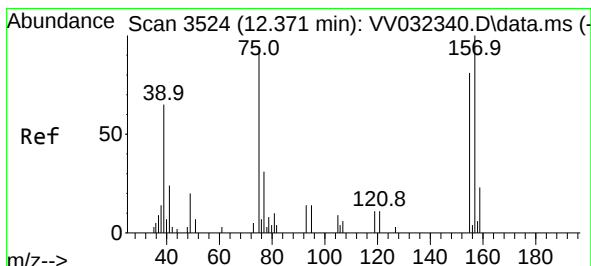
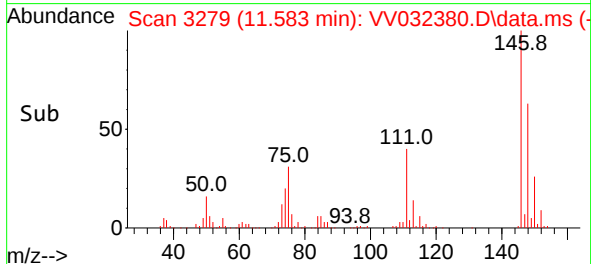
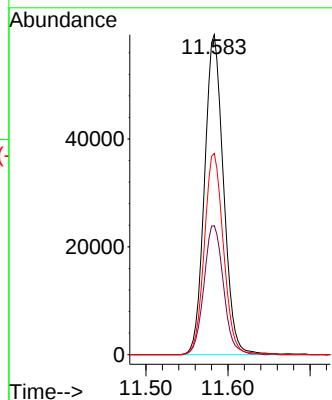
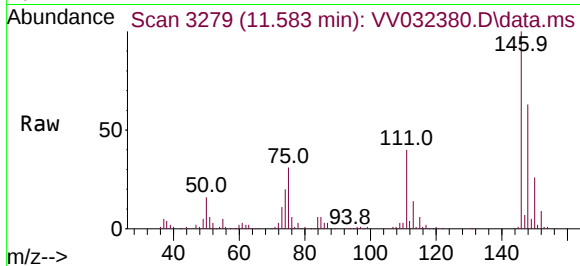




#67
1,2-Dichlorobenzene
Concen: 4.736 ug/L
RT: 11.583 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

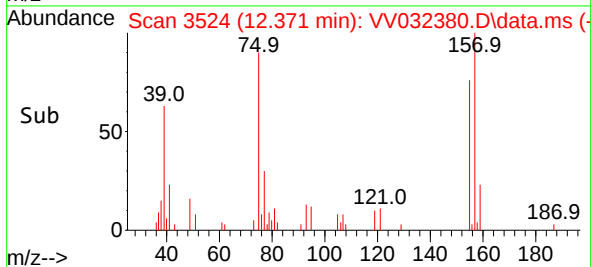
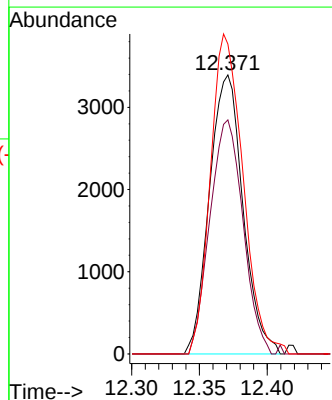
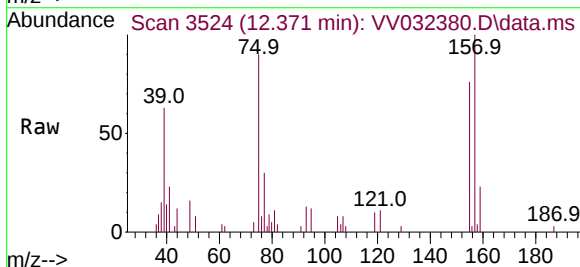
Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

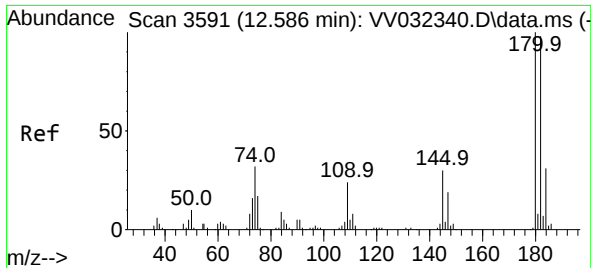
Tgt Ion:146 Resp: 95261
Ion Ratio Lower Upper
146 100
111 40.3 32.8 49.2
148 62.9 51.0 76.4



#68
1,2-Dibromo-3-chloropropane
Concen: 4.528 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.003 min
Lab File: VV032380.D
Acq: 11 Oct 2023 09:13

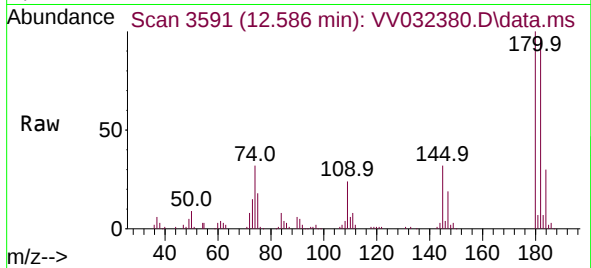
Tgt Ion: 75 Resp: 5850
Ion Ratio Lower Upper
75 100
155 83.9 70.2 105.4
157 111.0 90.6 135.8



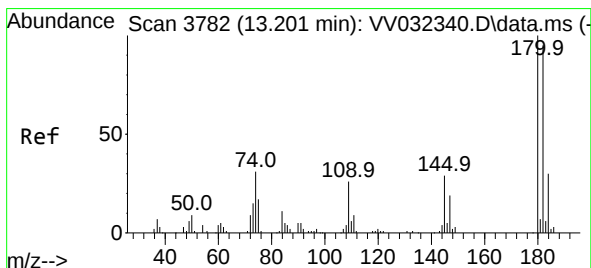
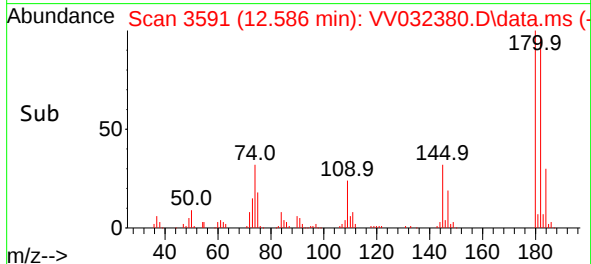
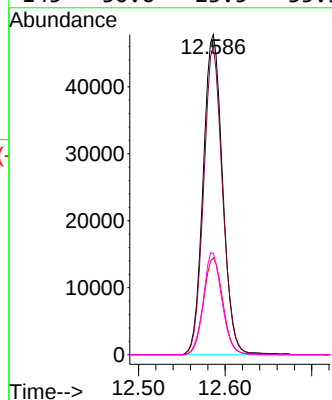


#69
 1,3,5-Trichlorobenzene
 Concen: 4.606 ug/L
 RT: 12.586 min Scan# 3591
 Delta R.T. -0.000 min
 Lab File: VV032380.D
 Acq: 11 Oct 2023 09:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005399

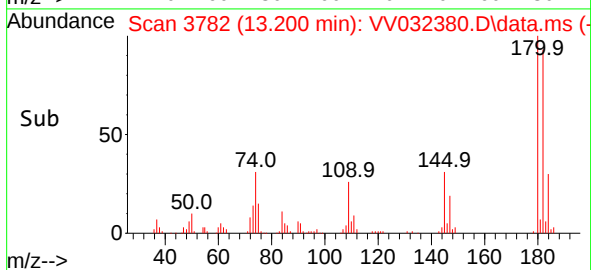
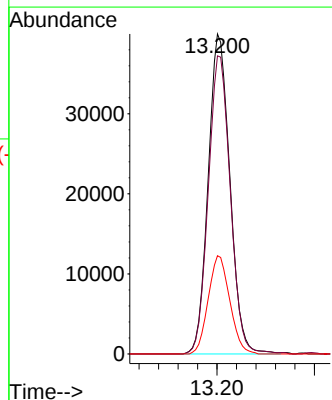
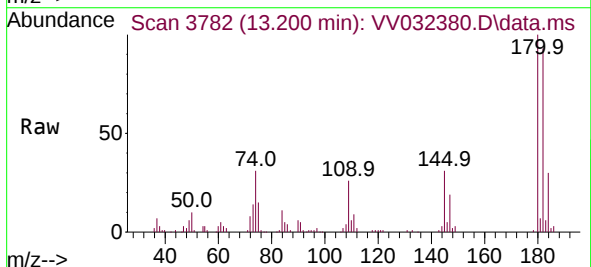


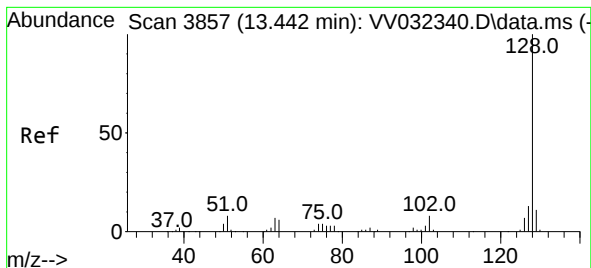
Tgt Ion:180 Resp: 74403
 Ion Ratio Lower Upper
 180 100
 182 94.0 74.6 112.0
 184 30.1 24.1 36.1
 145 30.6 23.5 35.3



#70
 1,2,4-trichlorobenzene
 Concen: 4.306 ug/L
 RT: 13.200 min Scan# 3782
 Delta R.T. -0.000 min
 Lab File: VV032380.D
 Acq: 11 Oct 2023 09:13

Tgt Ion:180 Resp: 61697
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.5 114.7
 145 30.5 24.3 36.5





#71

Naphthalene

Concen: 3.810 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.000 min

Lab File: VV032380.D

Acq: 11 Oct 2023 09:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD005399

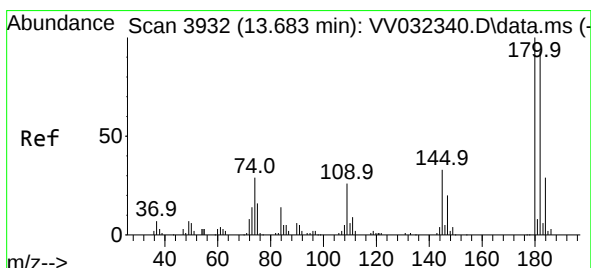
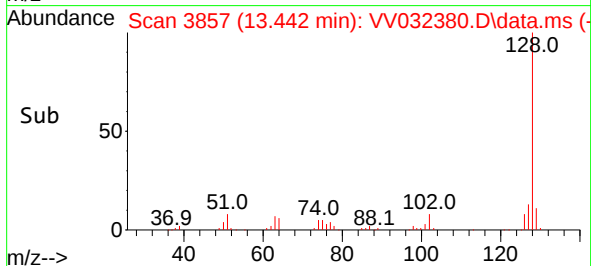
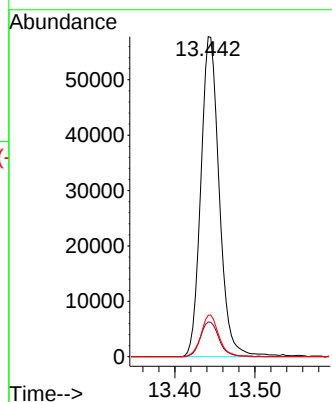
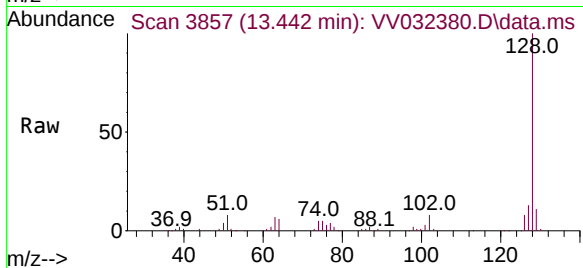
Tgt Ion:128 Resp: 92730

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

127 12.6 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 4.505 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. -0.000 min

Lab File: VV032380.D

Acq: 11 Oct 2023 09:13

Tgt Ion:180 Resp: 55612

Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

145 32.6 25.7 38.5

