

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051823\
 Data File : VW031093.D
 Acq On : 18 May 2023 16:01
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005356

Quant Time: May 19 05:36:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 19 05:32:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	118834	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	116975	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	66821	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	31887	3.257	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.200%
7) Chloroethane-d5	1.535	69	34051	4.263	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.200%
11) 1,1-Dichloroethene-d2	2.063	65	19680	3.798	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.000%
20) 2-Butanone-d5	3.828	46	87898	50.627	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.260%
24) Chloroform-d	4.256	84	92216	4.739	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	4.950	65	46231	4.674	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.400%
32) Benzene-d6	4.966	84	148996	4.345	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
36) 1,2-Dichloropropane-d6	5.995	67	44290	4.442	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.800%
41) Toluene-d8	7.249	98	134716	4.126	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.600%
43) trans-1,3-Dichloroprop...	7.561	79	16226	4.342	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.800%
46) 2-Hexanone-d5	8.034	63	64359	49.151	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.300%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	36500	5.051	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.000%
66) 1,2-Dichlorobenzene-d4	11.567	152	55498	4.456	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	40343	4.297	ug/L	97
3) Chloromethane	1.217	50	44918	4.077	ug/L	99
5) Vinyl chloride	1.285	62	40767	4.421	ug/L	97
6) Bromomethane	1.490	94	18212	4.147	ug/L	96
8) Chloroethane	1.555	64	25624	4.566	ug/L	99
9) Trichlorofluoromethane	1.716	101	80341	4.723	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	42591	4.904	ug/L	98
12) 1,1-Dichloroethene	2.072	96	36530	4.568	ug/L	91
13) Acetone	2.156	43	51553	34.762	ug/L	83
14) Carbon disulfide	2.243	76	76938	3.677	ug/L	98
15) Methyl Acetate	2.394	43	11135	3.690	ug/L #	82
16) Methylene chloride	2.455	84	40437	4.470	ug/L	98
17) Methyl tert-butyl Ether	2.712	73	73618	4.836	ug/L	98
18) trans-1,2-Dichloroethene	2.699	96	33820	4.630	ug/L	92
19) 1,1-Dichloroethane	3.117	63	71127	5.043	ug/L	99
21) 2-Butanone	3.908	43	65959	40.440	ug/L	91
22) cis-1,2-Dichloroethene	3.825	96	36537	4.741	ug/L	96
23) Bromochloromethane	4.156	128	17616	4.855	ug/L	92
25) Chloroform	4.281	83	80522	5.321	ug/L	96

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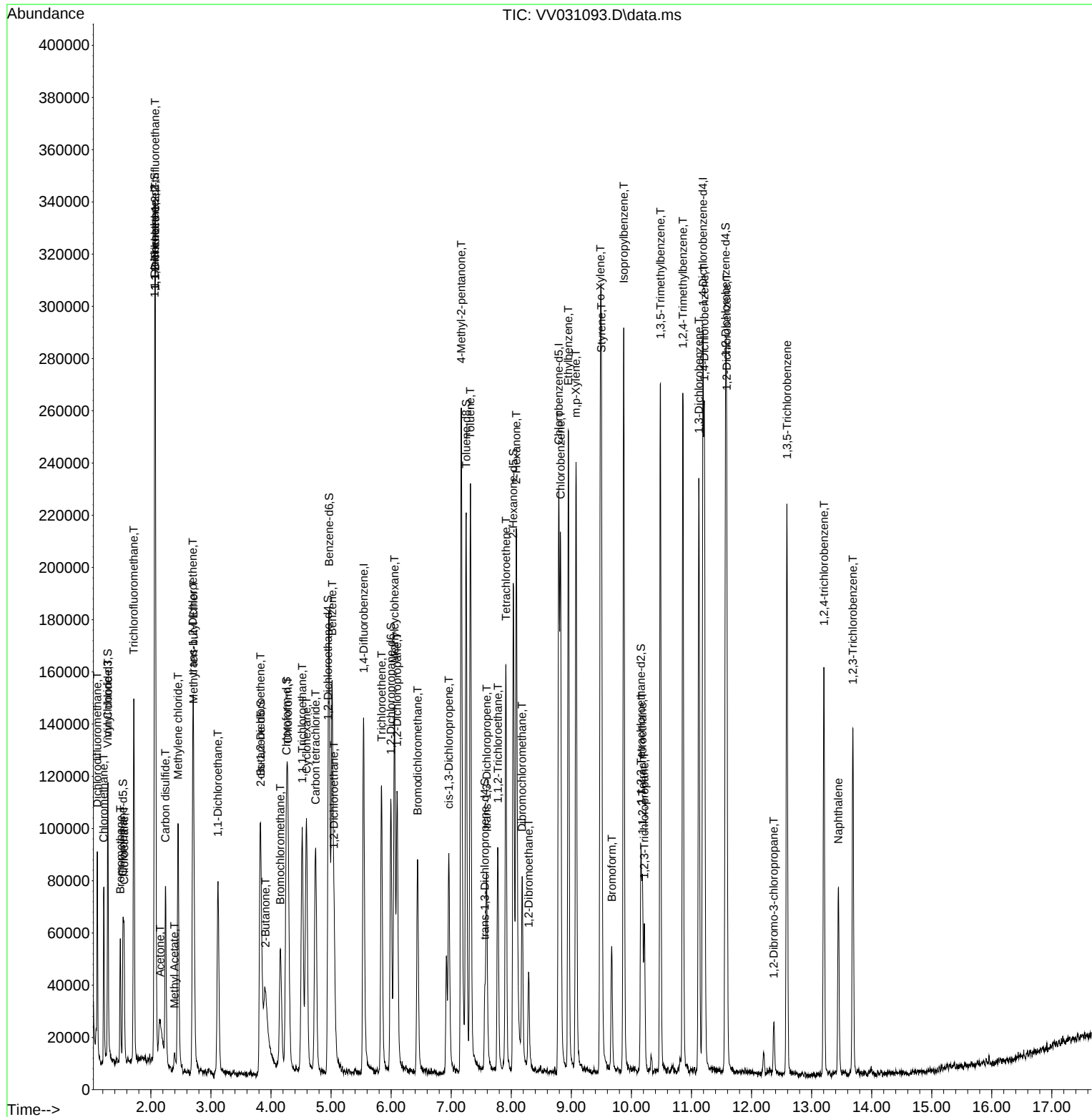
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	47841	5.037	ug/L	98
29) 1,1,1-Trichloroethane	4.519	97	74581	5.074	ug/L	99
30) Cyclohexane	4.590	56	46303	4.171	ug/L	98
31) Carbon tetrachloride	4.741	117	66290	5.021	ug/L	97
33) Benzene	5.018	78	142911	4.857	ug/L	100
34) Trichloroethene	5.841	95	38047	4.851	ug/L	98
35) Methylcyclohexane	6.056	83	49952	4.110	ug/L	97
37) 1,2-Dichloropropane	6.098	63	35174	5.040	ug/L	98
38) Bromodichloromethane	6.442	83	53698	5.257	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	48278	4.618	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	183665	50.791	ug/L	98
42) Toluene	7.320	91	158254	4.996	ug/L	96
44) trans-1,3-Dichloropropene	7.590	75	43938	4.933	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	26315	5.082	ug/L	95
47) Tetrachloroethene	7.911	164	34980	4.675	ug/L	97
48) 2-Hexanone	8.085	43	139978	50.470	ug/L	100
49) Dibromochloromethane	8.181	129	35016	5.375	ug/L	96
50) 1,2-Dibromoethane	8.291	107	23079	4.997	ug/L #	99
51) Chlorobenzene	8.821	112	105790	4.926	ug/L	96
52) Ethylbenzene	8.950	91	165704	4.798	ug/L	99
53) m,p-Xylene	9.079	106	66020	4.790	ug/L	96
54) o-Xylene	9.484	106	63407	4.834	ug/L	99
55) Styrene	9.503	104	106745	4.823	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	30045	5.191	ug/L	98
59) Bromoform	9.673	173	21168	5.382	ug/L	99
60) Isopropylbenzene	9.873	105	171740	4.767	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	20788	4.952	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	135106	4.607	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	135241	4.551	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	90825	4.909	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	91113	4.881	ug/L	96
67) 1,2-Dichlorobenzene	11.586	146	82034	4.931	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	4756	4.464	ug/L #	92
69) 1,3,5-Trichlorobenzene	12.590	180	66647	4.549	ug/L	100
70) 1,2,4-trichlorobenzene	13.207	180	47652	4.233	ug/L	98
71) Naphthalene	13.445	128	59539	3.688	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	41393	4.343	ug/L	98

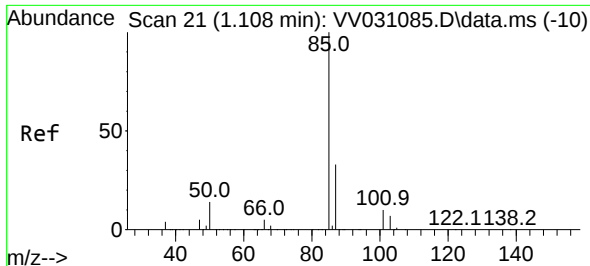
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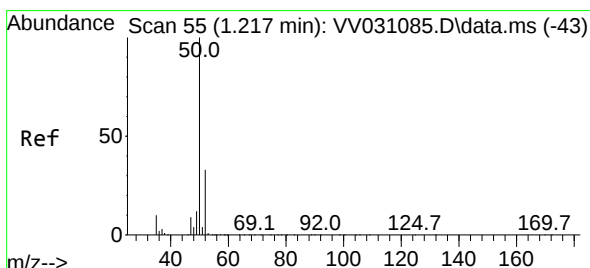
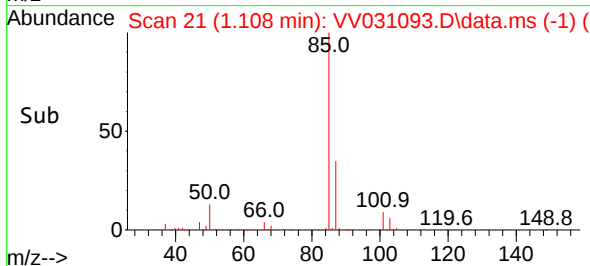
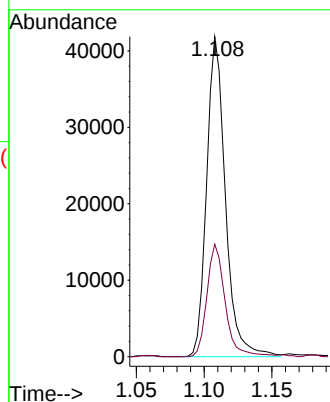
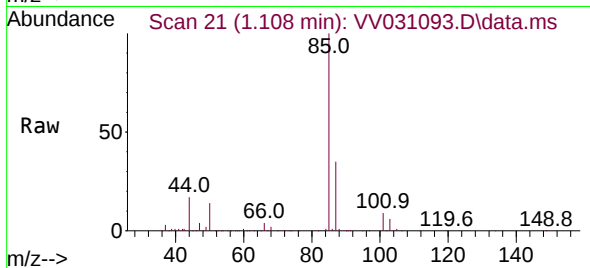




#2
 Dichlorodifluoromethane
 Concen: 4.297 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031093.D
 Acq: 18 May 2023 16:01

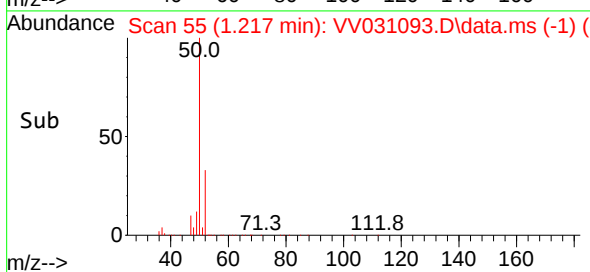
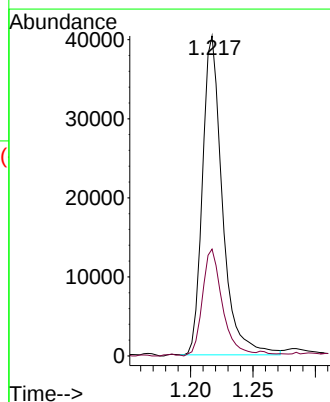
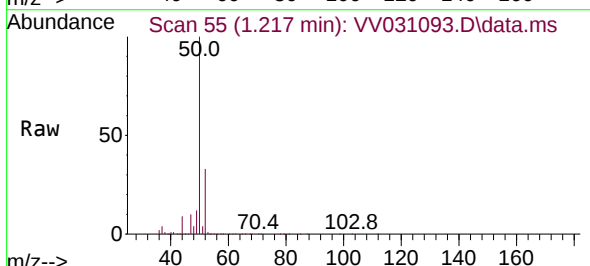
Instrument :
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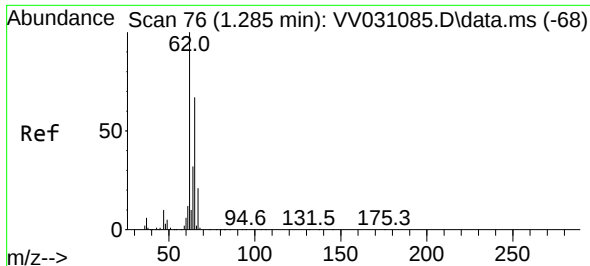
Tgt Ion: 85 Resp: 40343
 Ion Ratio Lower Upper
 85 100
 87 34.1 25.8 38.6



#3
 Chloromethane
 Concen: 4.077 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031093.D
 Acq: 18 May 2023 16:01

Tgt Ion: 50 Resp: 44918
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.8 42.4

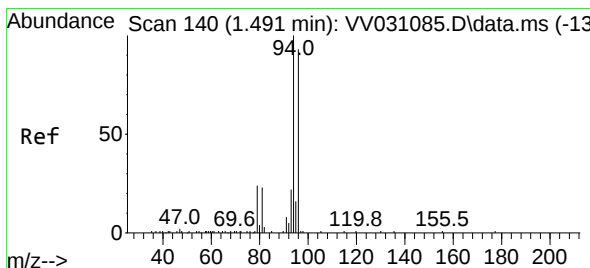
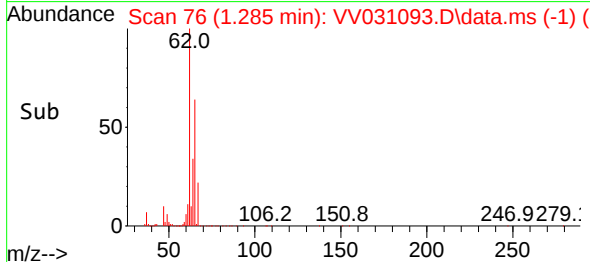
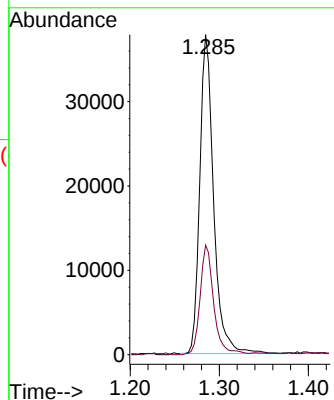
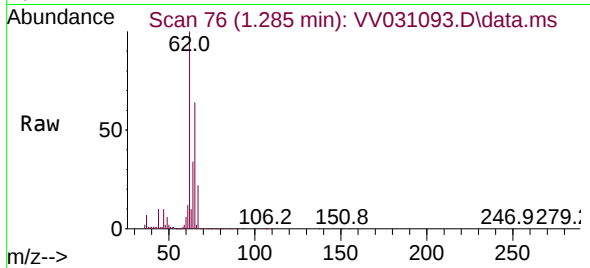




#5
 Vinyl chloride
 Concen: 4.421 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV031093.D
 Acq: 18 May 2023 16:01

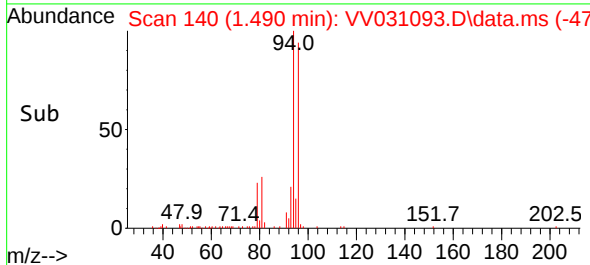
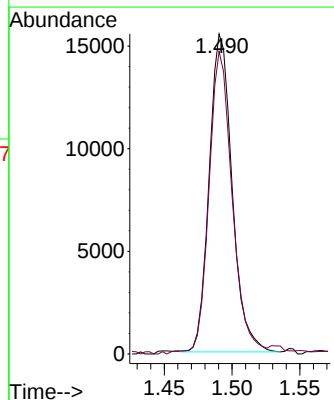
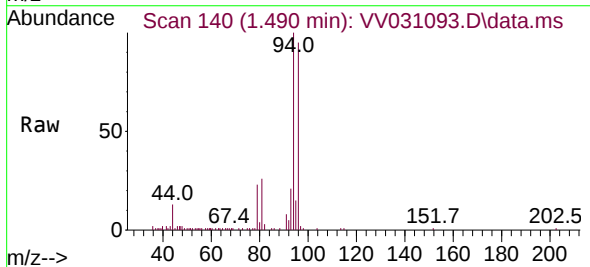
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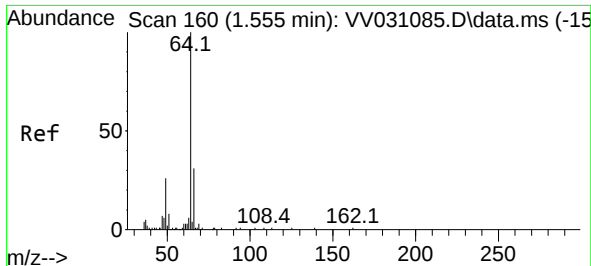
Tgt Ion: 62 Resp: 40767
 Ion Ratio Lower Upper
 62 100
 64 34.3 22.8 42.4



#6
 Bromomethane
 Concen: 4.147 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV031093.D
 Acq: 18 May 2023 16:01

Tgt Ion: 94 Resp: 18212
 Ion Ratio Lower Upper
 94 100
 96 94.5 63.4 117.8

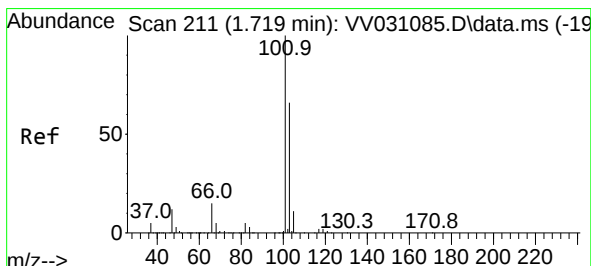
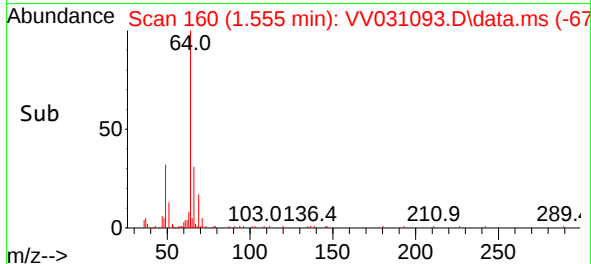
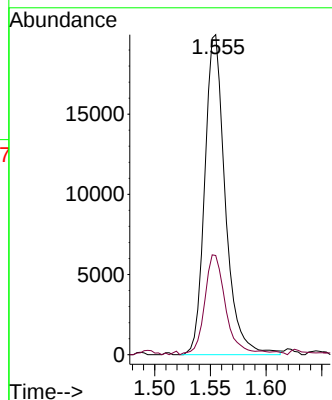
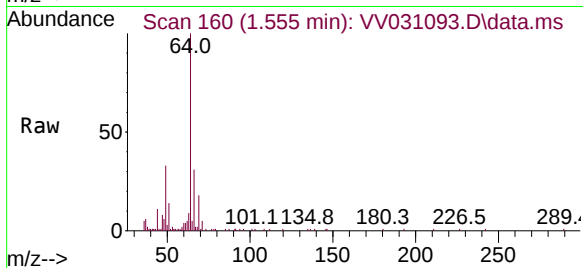




#8
Chloroethane
Concen: 4.566 ug/L
RT: 1.555 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

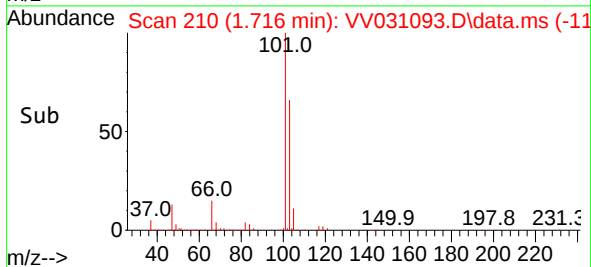
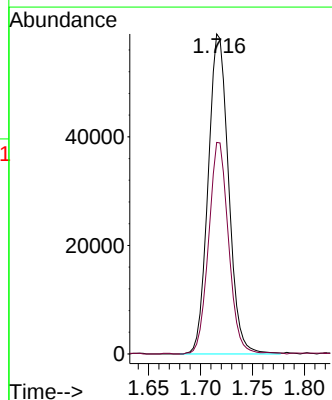
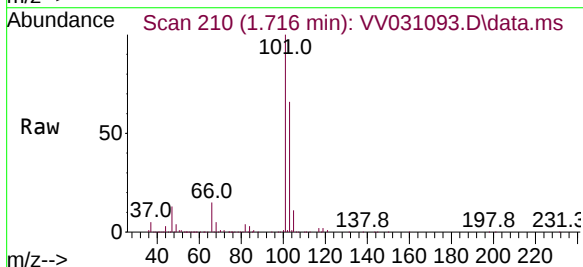
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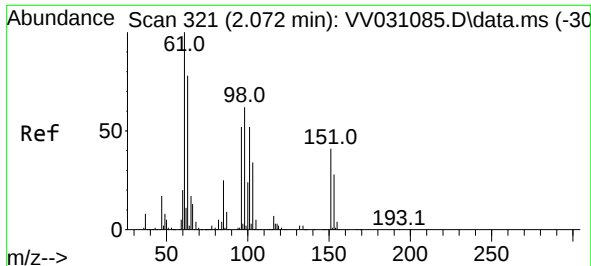
Tgt Ion: 64 Resp: 25624
Ion Ratio Lower Upper
64 100
66 31.0 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.723 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.003 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

Tgt Ion: 101 Resp: 80341
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.8

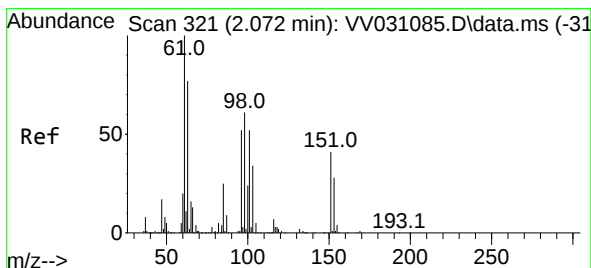
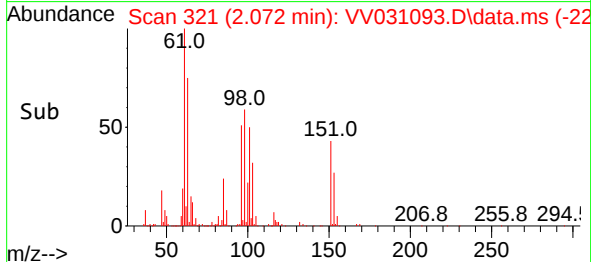
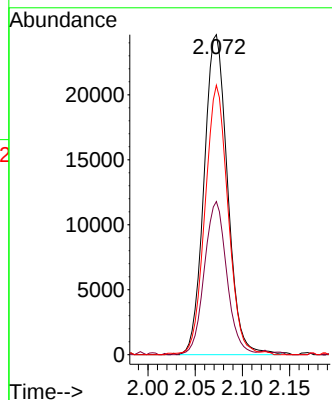
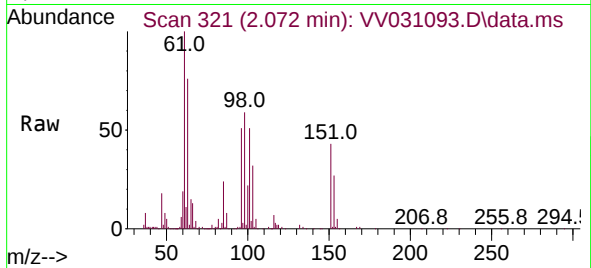




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.904 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV031093.D
 Acq: 18 May 2023 16:01

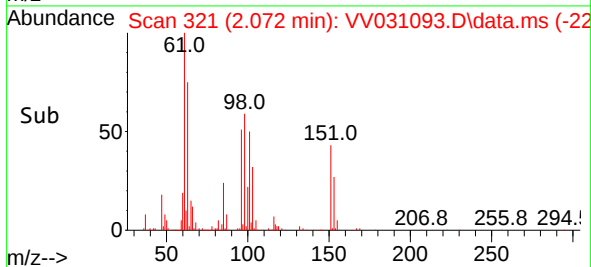
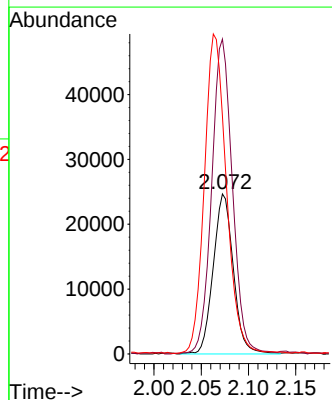
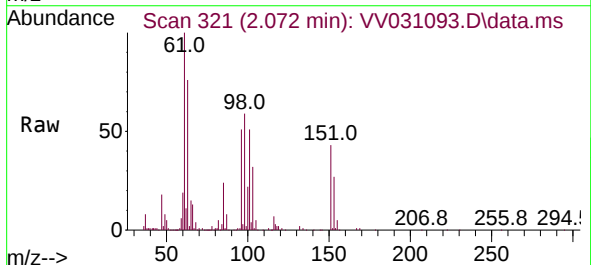
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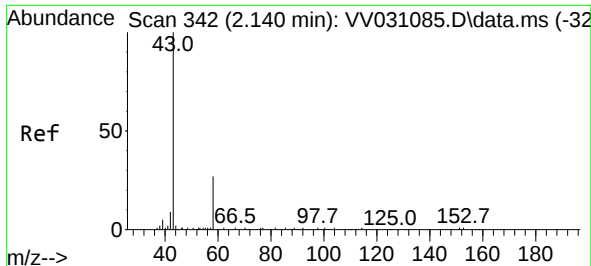
Tgt Ion:101 Resp: 42591
 Ion Ratio Lower Upper
 101 100
 85 45.8 38.7 58.1
 151 82.7 65.1 97.7



#12
 1,1-Dichloroethene
 Concen: 4.568 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV031093.D
 Acq: 18 May 2023 16:01

Tgt Ion: 96 Resp: 36530
 Ion Ratio Lower Upper
 96 100
 61 196.9 135.6 251.8
 63 148.7 121.1 224.9





#13

Acetone

Concen: 34.762 ug/L

RT: 2.156 min Scan# 34

Delta R.T. 0.016 min

Lab File: VV031093.D

Acq: 18 May 2023 16:01

Instrument :

MSVOA_V

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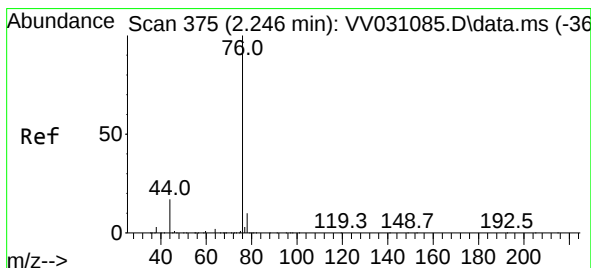
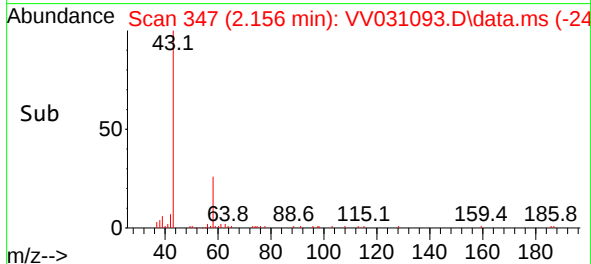
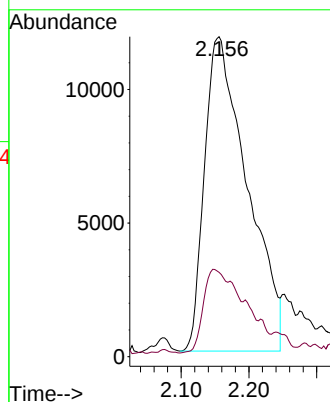
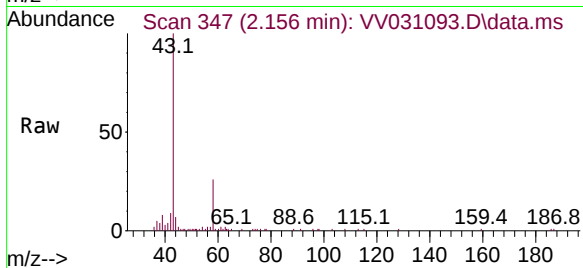
VSTD005356

Tgt Ion: 43 Resp: 51553

Ion Ratio Lower Upper

43 100

58 26.3 0.0 37.0



#14

Carbon disulfide

Concen: 3.677 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

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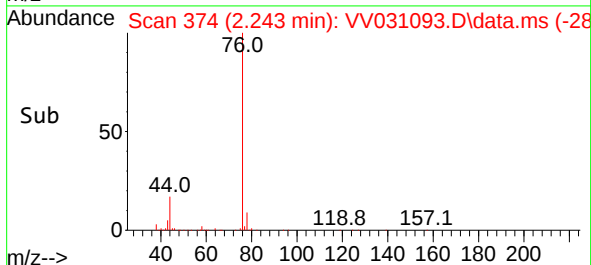
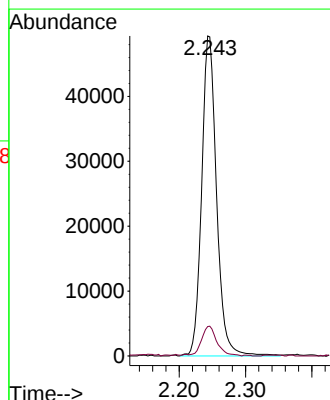
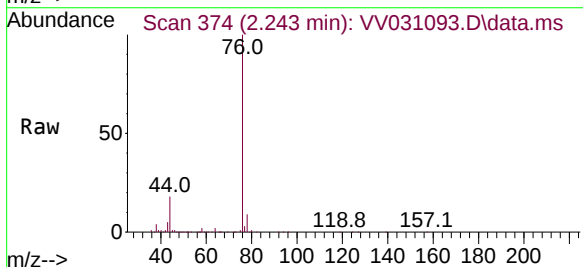
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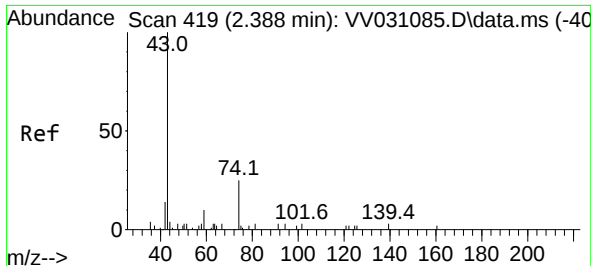
Tgt Ion: 76 Resp: 76938

Ion Ratio Lower Upper

76 100

78 9.2 6.8 10.2

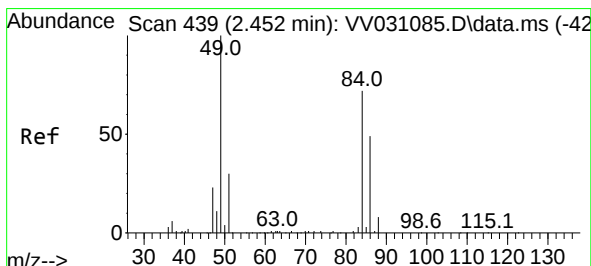
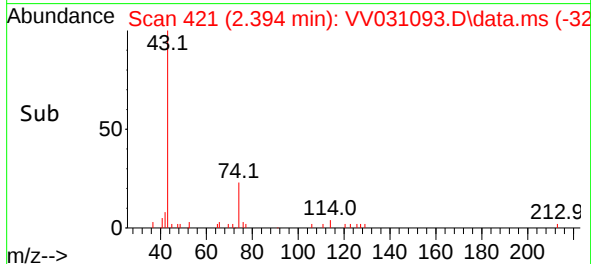
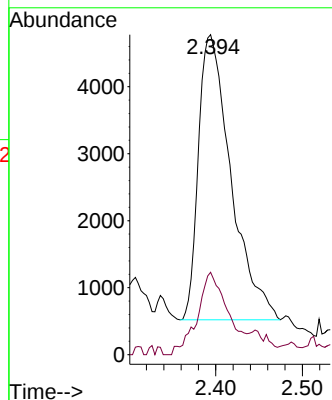
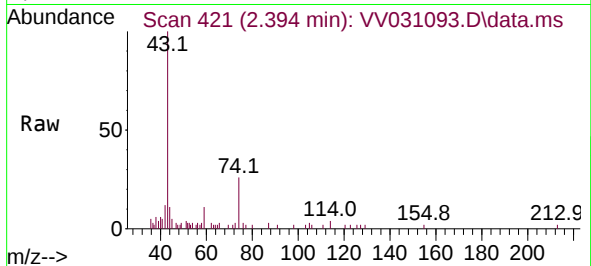




#15
Methyl Acetate
Concen: 3.690 ug/L
RT: 2.394 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

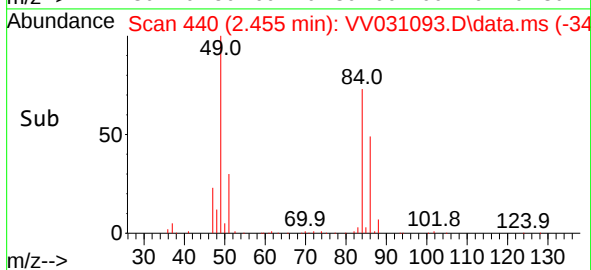
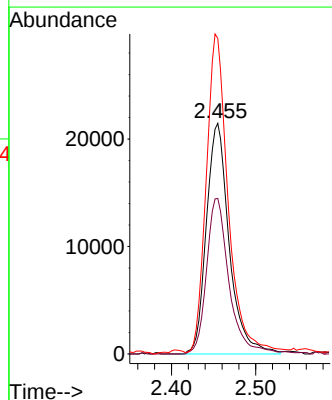
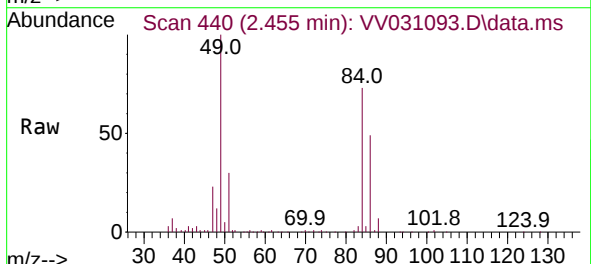
Instrument :
MSVOA_V
ClientSampleId :
VSTD005356

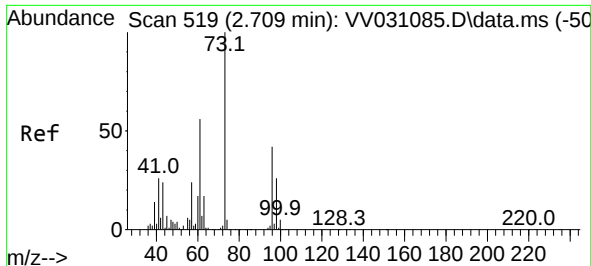
Tgt Ion: 43 Resp: 11135
Ion Ratio Lower Upper
43 100
74 27.0 15.0 22.6#



#16
Methylene chloride
Concen: 4.470 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

Tgt Ion: 84 Resp: 40437
Ion Ratio Lower Upper
84 100
86 67.5 46.1 85.5
49 136.8 94.3 175.1





#17

Methyl tert-butyl Ether

Concen: 4.836 ug/L

RT: 2.712 min Scan# 519

Delta R.T. 0.003 min

Lab File: VV031093.D

Acq: 18 May 2023 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005356

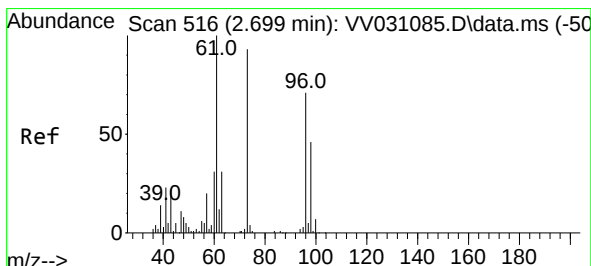
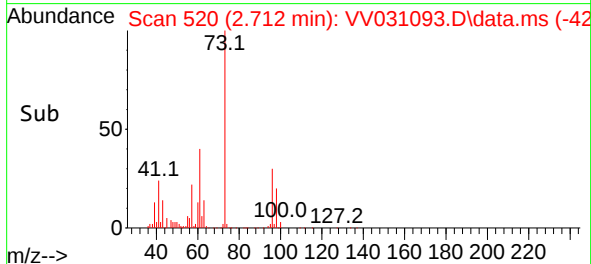
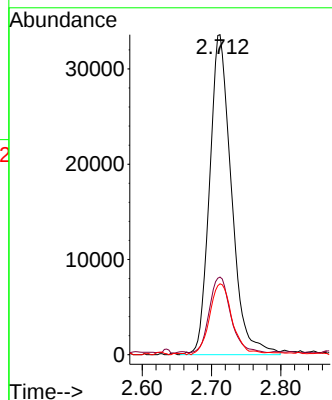
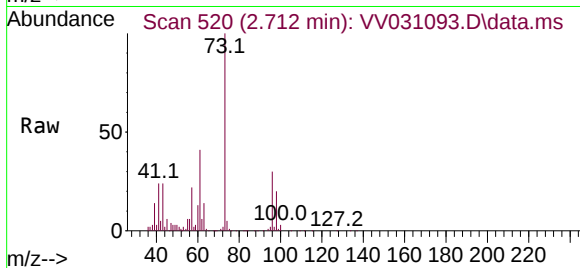
Tgt Ion: 73 Resp: 73618

Ion Ratio Lower Upper

73 100

43 23.0 19.9 29.9

57 22.9 18.2 27.4



#18

trans-1,2-Dichloroethene

Concen: 4.630 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV031093.D

Acq: 18 May 2023 16:01

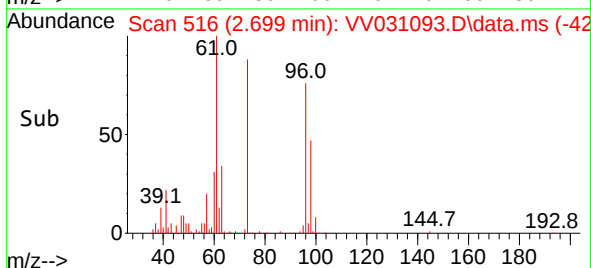
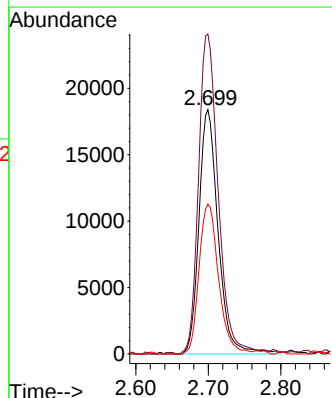
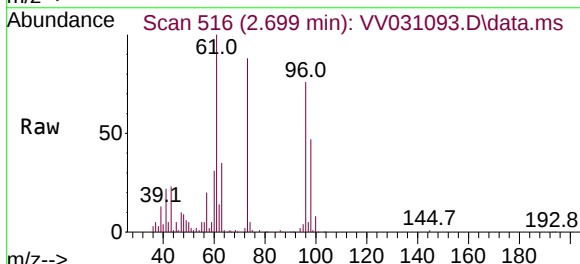
Tgt Ion: 96 Resp: 33820

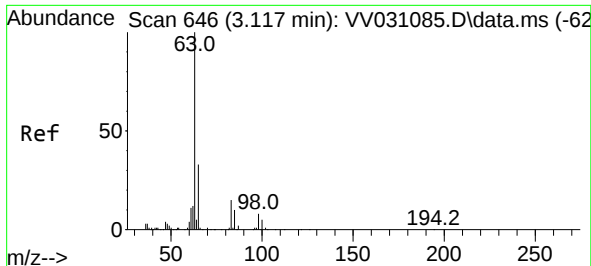
Ion Ratio Lower Upper

96 100

61 131.0 98.9 183.7

98 61.3 46.0 85.4





#19

1,1-Dichloroethane

Concen: 5.043 ug/L

RT: 3.117 min Scan# 646

Delta R.T. -0.000 min

Lab File: VV031093.D

Acq: 18 May 2023 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005356

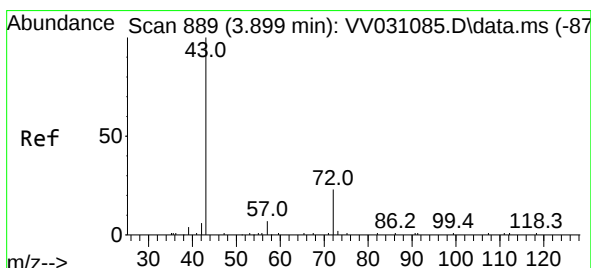
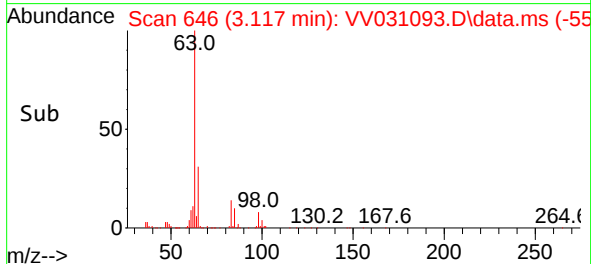
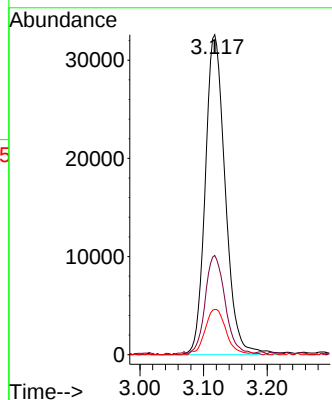
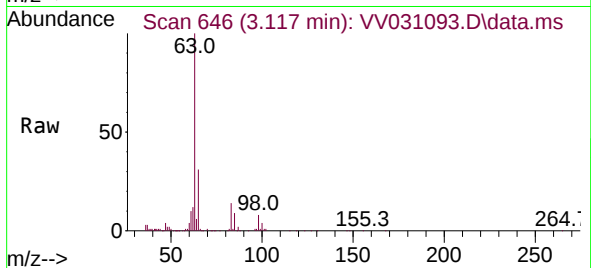
Tgt Ion: 63 Resp: 71127

Ion Ratio Lower Upper

63 100

65 31.0 21.8 40.6

83 14.1 10.2 19.0



#21

2-Butanone

Concen: 40.440 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.010 min

Lab File: VV031093.D

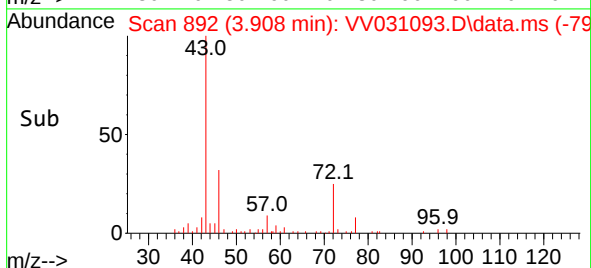
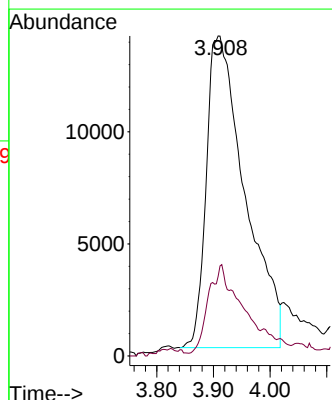
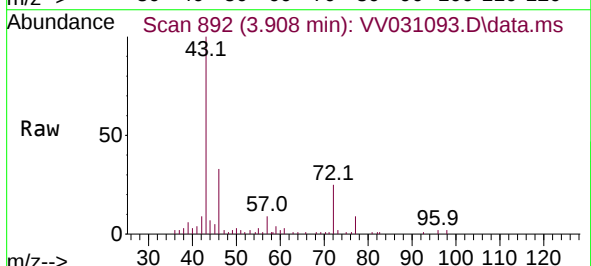
Acq: 18 May 2023 16:01

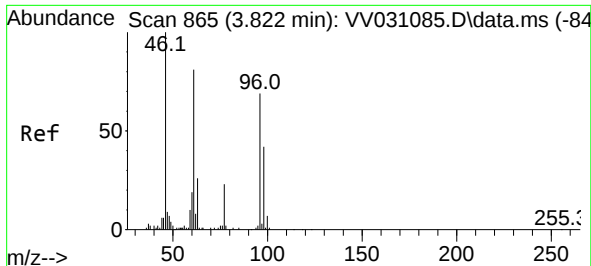
Tgt Ion: 43 Resp: 65959

Ion Ratio Lower Upper

43 100

72 23.2 9.6 28.6

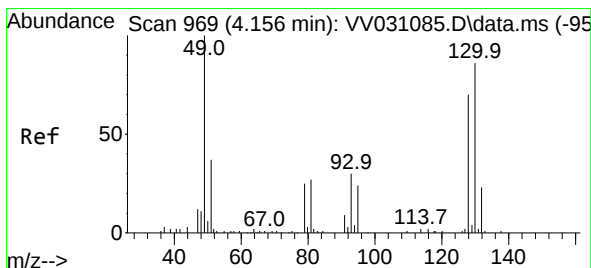
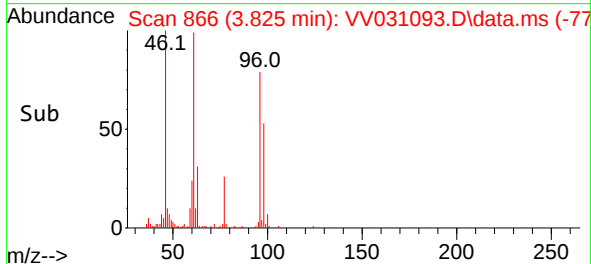
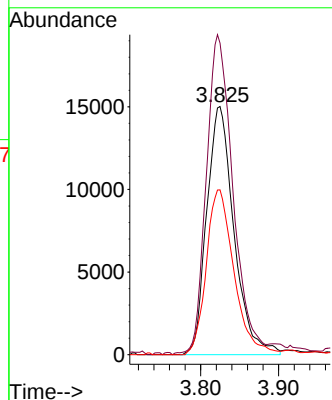
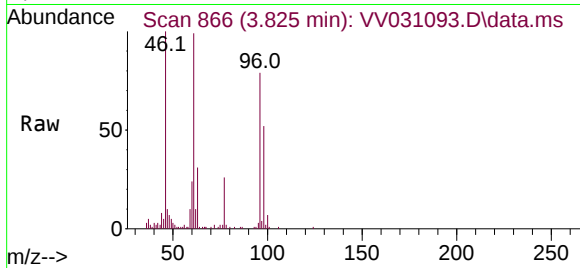




#22
 cis-1,2-Dichloroethene
 Concen: 4.741 ug/L
 RT: 3.825 min Scan# 865
 Delta R.T. 0.003 min
 Lab File: VV031093.D
 Acq: 18 May 2023 16:01

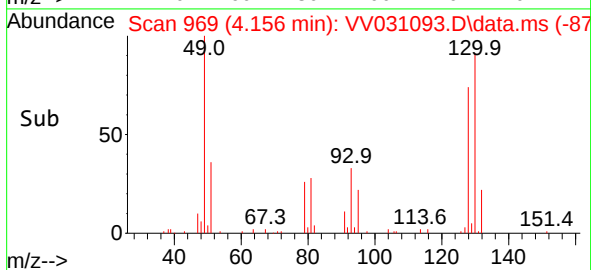
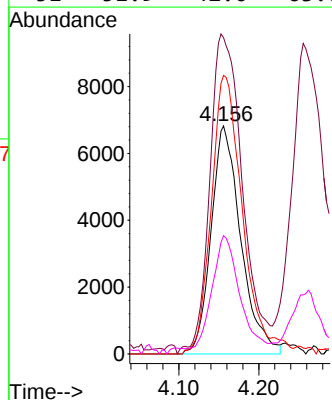
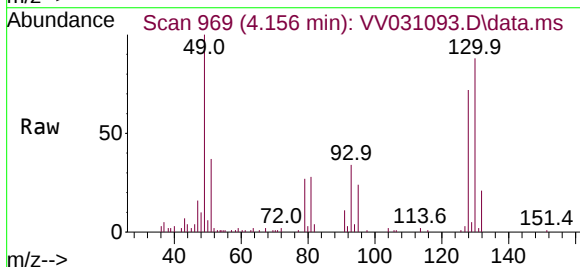
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005356

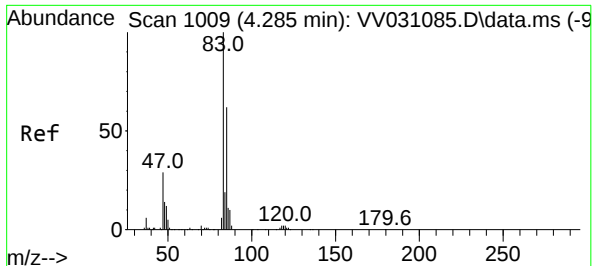
Tgt Ion: 96 Resp: 36537
 Ion Ratio Lower Upper
 96 100
 61 125.5 86.0 159.6
 98 66.4 43.2 80.2



#23
 Bromochloromethane
 Concen: 4.855 ug/L
 RT: 4.156 min Scan# 969
 Delta R.T. -0.000 min
 Lab File: VV031093.D
 Acq: 18 May 2023 16:01

Tgt Ion:128 Resp: 17616
 Ion Ratio Lower Upper
 128 100
 49 138.8 104.7 194.5
 130 122.2 93.4 173.4
 51 51.9 42.0 63.0





#25

Chloroform

Concen: 5.321 ug/L

RT: 4.281 min Scan# 1009

Delta R.T. -0.003 min

Lab File: VV031093.D

Acq: 18 May 2023 16:01

Instrument :

MSVOA_V

ClientSampleId :

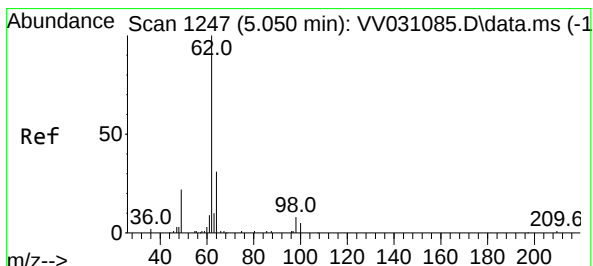
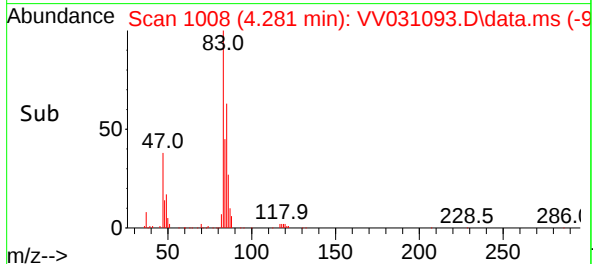
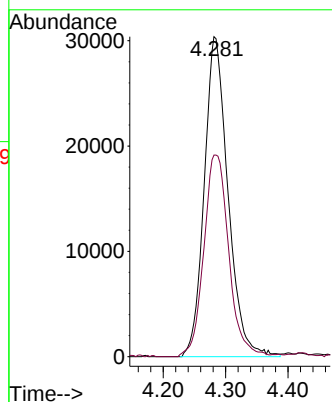
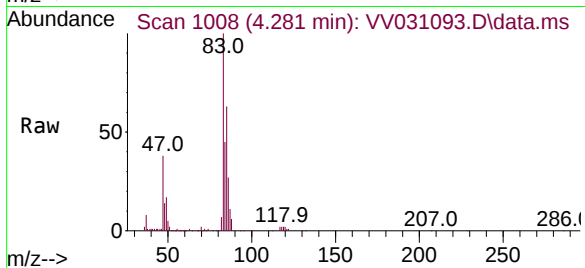
VSTD005356

Tgt Ion: 83 Resp: 80522

Ion Ratio Lower Upper

83 100

85 63.0 46.4 86.2



#27

1,2-Dichloroethane

Concen: 5.037 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. -0.000 min

Lab File: VV031093.D

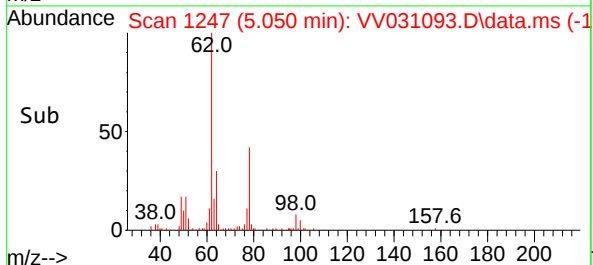
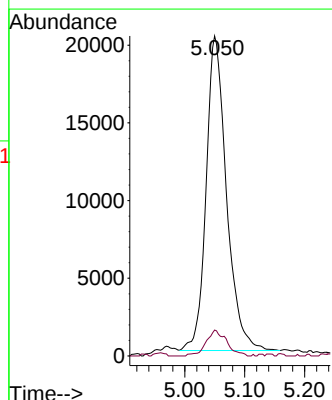
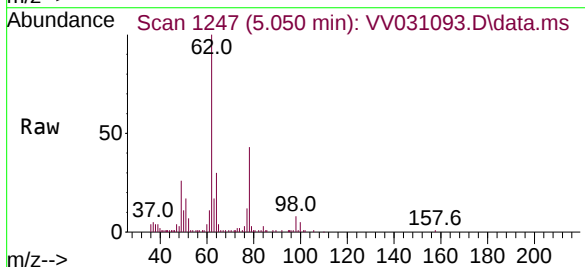
Acq: 18 May 2023 16:01

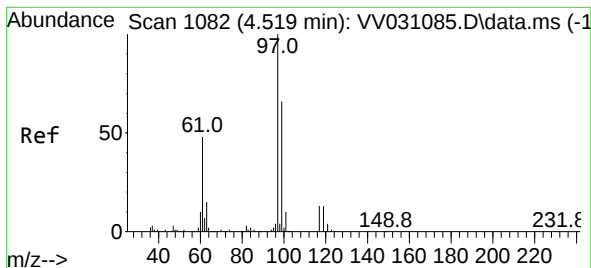
Tgt Ion: 62 Resp: 47841

Ion Ratio Lower Upper

62 100

98 8.1 6.0 9.0





#29

1,1,1-Trichloroethane

Concen: 5.074 ug/L

RT: 4.519 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VV031093.D

Acq: 18 May 2023 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005356

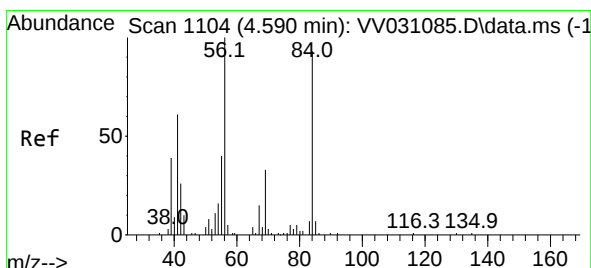
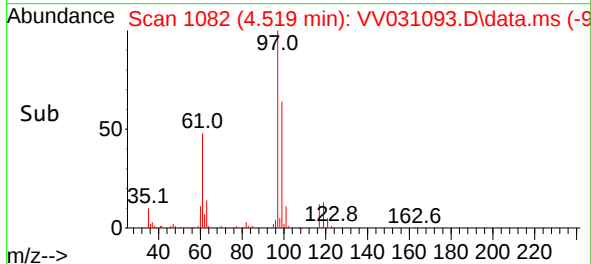
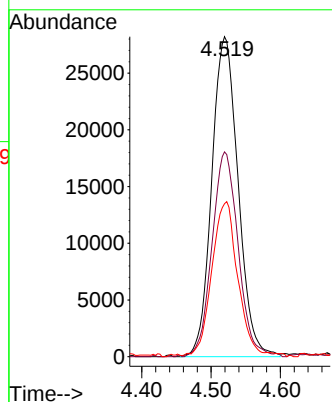
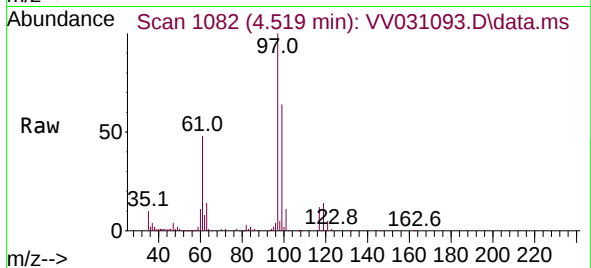
Tgt Ion: 97 Resp: 74581

Ion Ratio Lower Upper

97 100

99 63.3 51.4 77.2

61 46.4 37.4 56.0



#30

Cyclohexane

Concen: 4.171 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VV031093.D

Acq: 18 May 2023 16:01

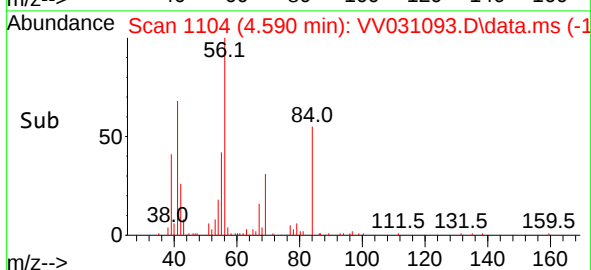
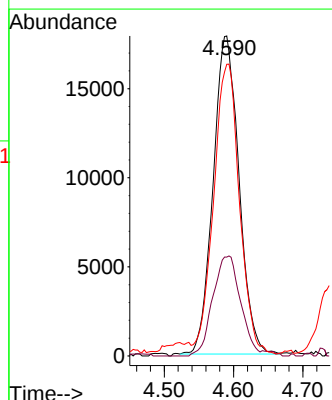
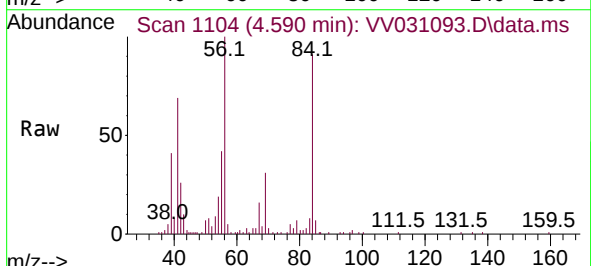
Tgt Ion: 56 Resp: 46303

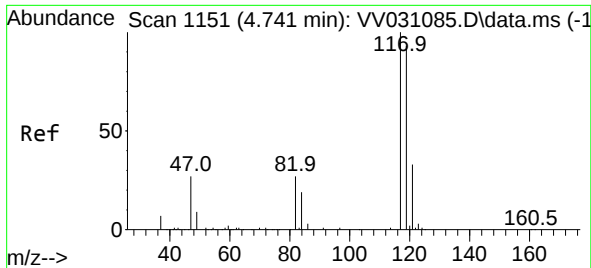
Ion Ratio Lower Upper

56 100

69 33.6 25.0 37.6

84 91.0 74.2 111.2

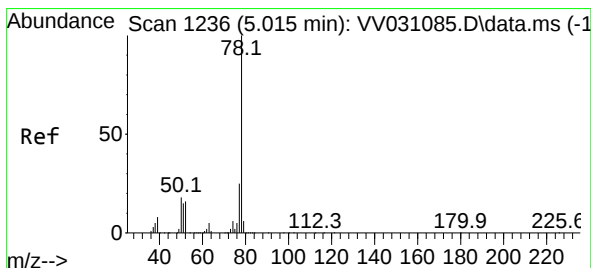
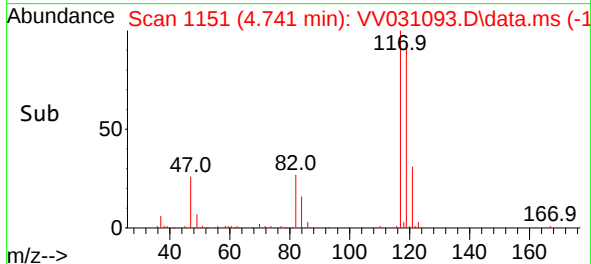
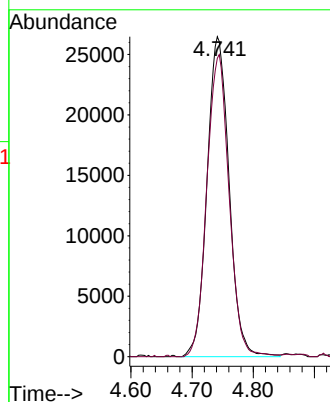
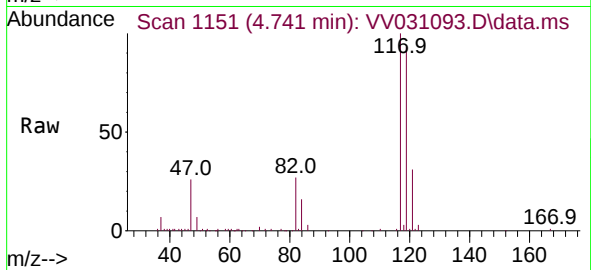




#31
Carbon tetrachloride
Concen: 5.021 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. -0.000 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

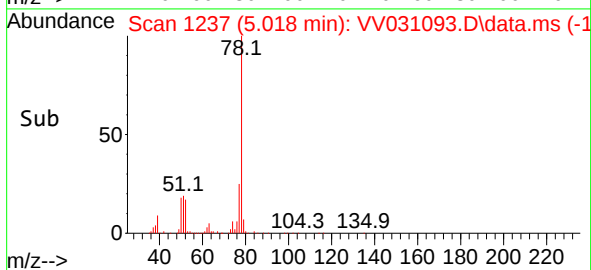
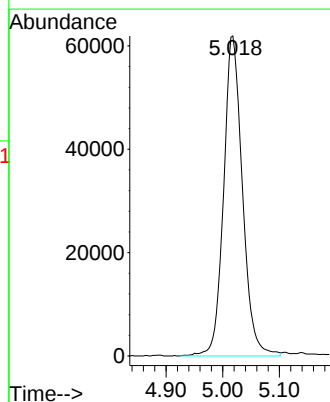
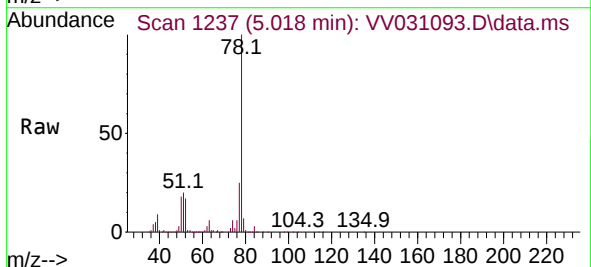
Instrument :
MSVOA_V
ClientSampleId :
VSTD005356

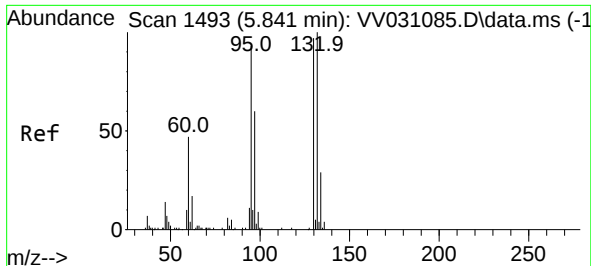
Tgt Ion:117 Resp: 66290
Ion Ratio Lower Upper
117 100
119 95.2 78.4 117.6



#33
Benzene
Concen: 4.857 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.003 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

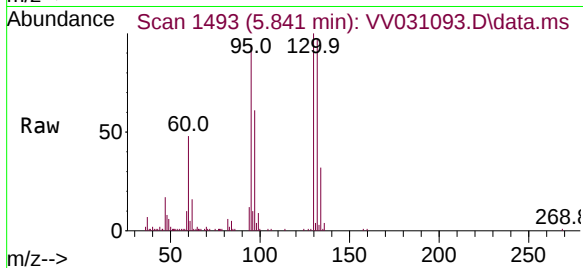
Tgt Ion: 78 Resp: 142911



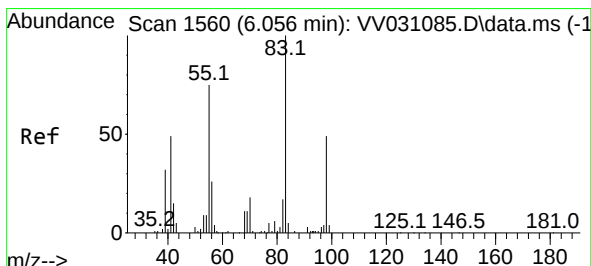
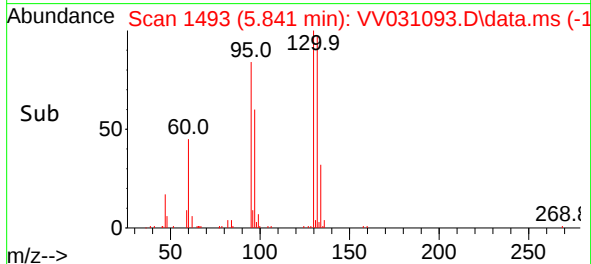
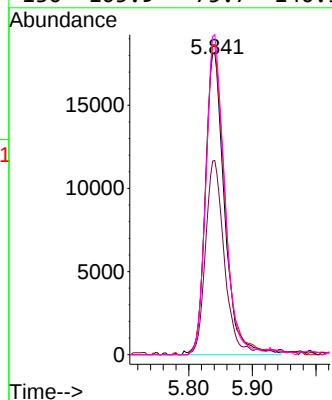


#34
Trichloroethene
Concen: 4.851 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD005356

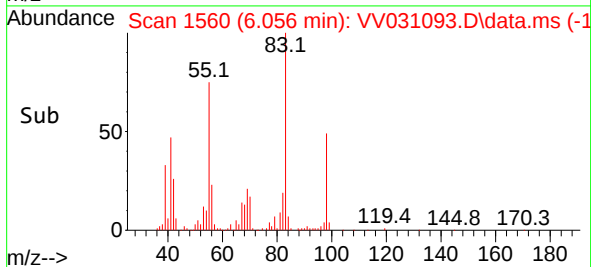
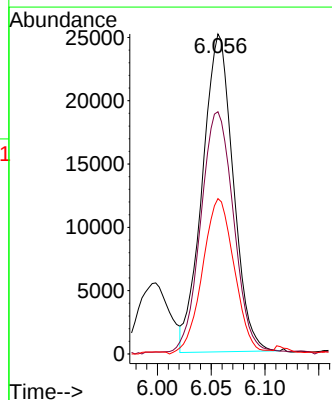
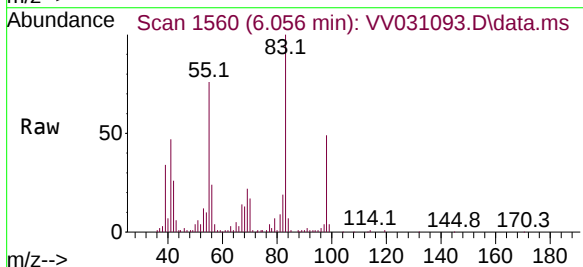


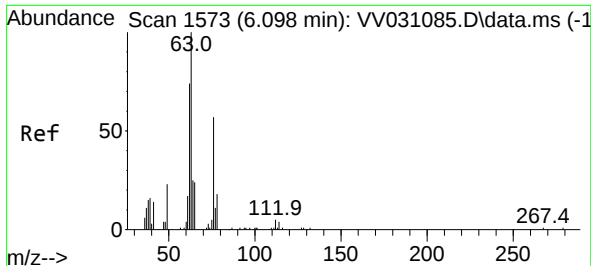
Tgt Ion:	95	Resp:	38047
Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.2	85.8
132	102.6	72.7	135.1
130	105.9	75.7	140.5



#35
Methylcyclohexane
Concen: 4.110 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.000 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

Tgt Ion:	83	Resp:	49952
Ion	Ratio	Lower	Upper
83	100		
55	82.8	62.9	94.3
98	50.6	40.5	60.7





#37

1,2-Dichloropropane

Concen: 5.040 ug/L

RT: 6.098 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV031093.D

Acq: 18 May 2023 16:01

Instrument :

MSVOA_V

ClientSampleId :

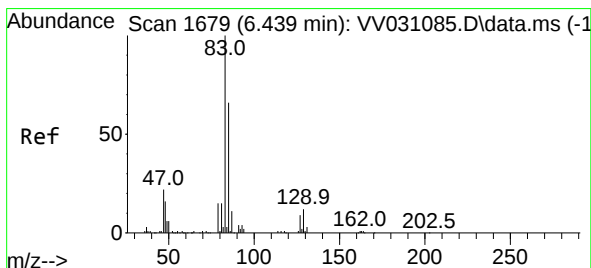
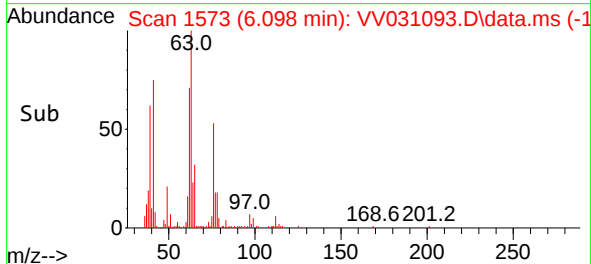
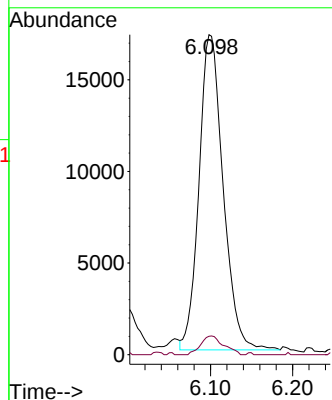
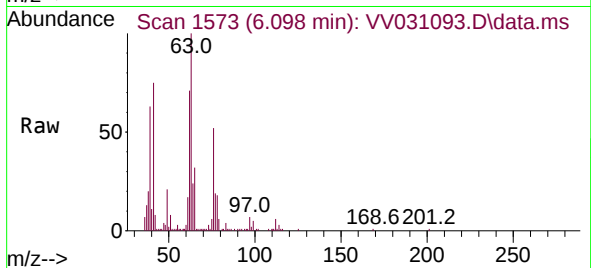
VSTD005356

Tgt Ion: 63 Resp: 35174

Ion Ratio Lower Upper

63 100

112 5.6 3.8 5.8



#38

Bromodichloromethane

Concen: 5.257 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV031093.D

Acq: 18 May 2023 16:01

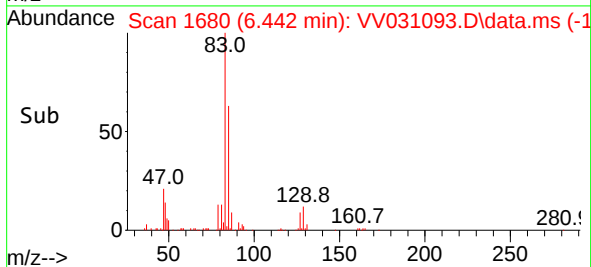
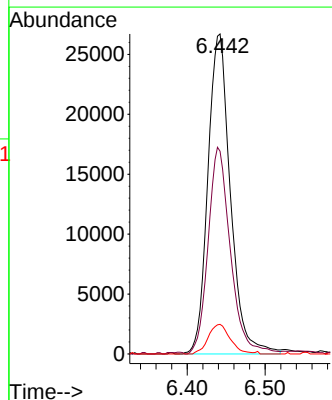
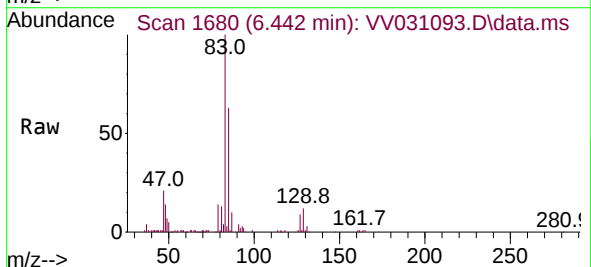
Tgt Ion: 83 Resp: 53698

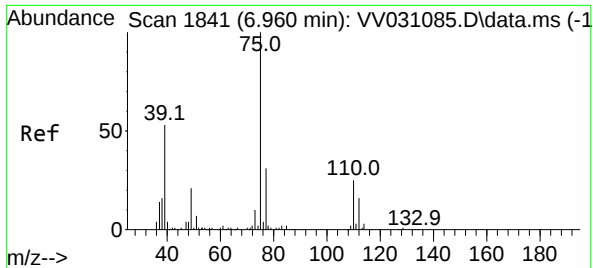
Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4

127 9.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.618 ug/L

RT: 6.960 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV031093.D

Acq: 18 May 2023 16:01

Instrument :

MSVOA_V

ClientSampleId :

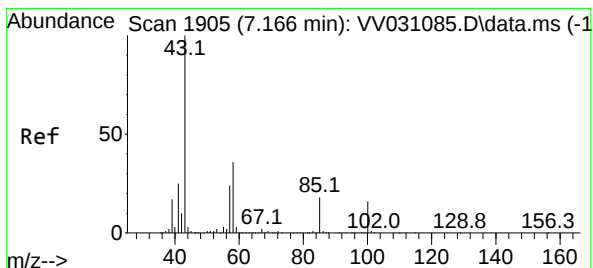
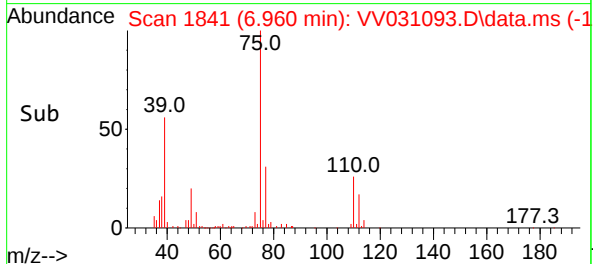
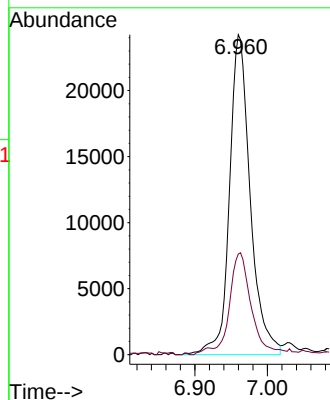
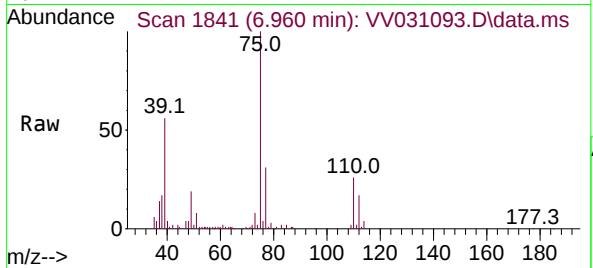
VSTD005356

Tgt Ion: 75 Resp: 48278

Ion Ratio Lower Upper

75 100

77 31.5 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 50.791 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.003 min

Lab File: VV031093.D

Acq: 18 May 2023 16:01

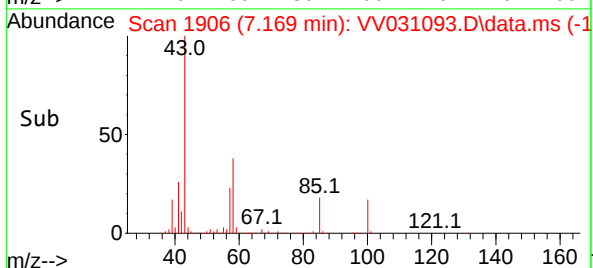
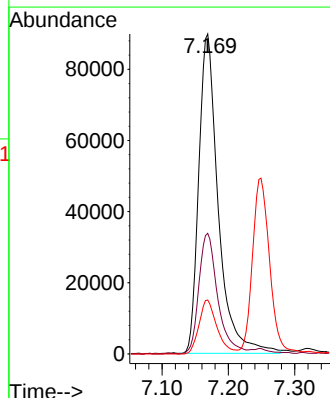
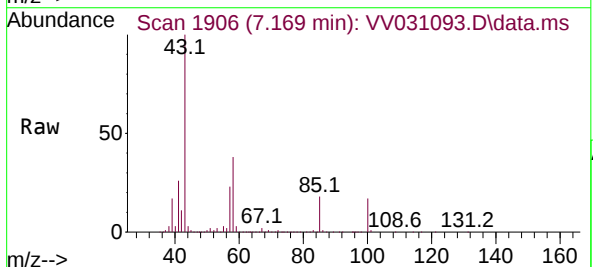
Tgt Ion: 43 Resp: 183665

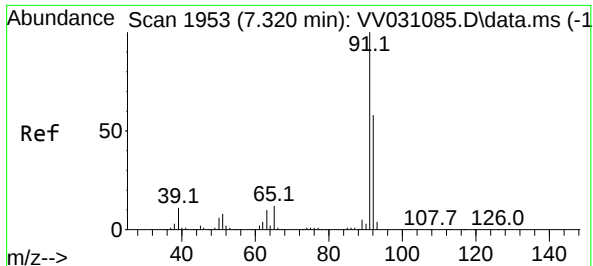
Ion Ratio Lower Upper

43 100

58 36.5 28.3 42.5

100 15.6 11.8 17.8





#42

Toluene

Concen: 4.996 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031093.D

Acq: 18 May 2023 16:01

Instrument :

MSVOA_V

ClientSampleId :

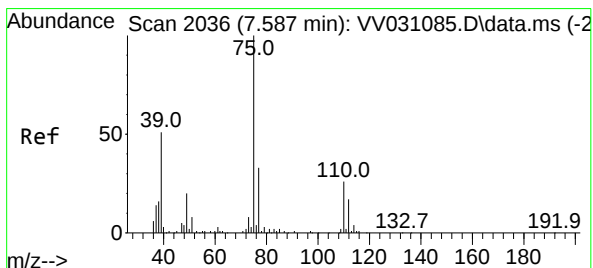
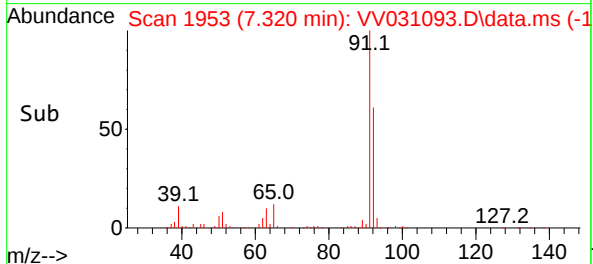
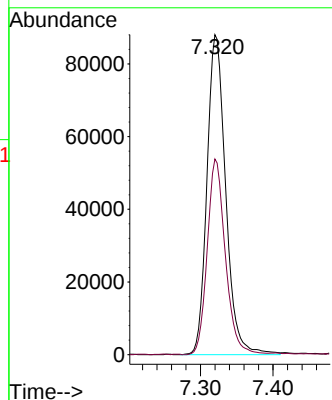
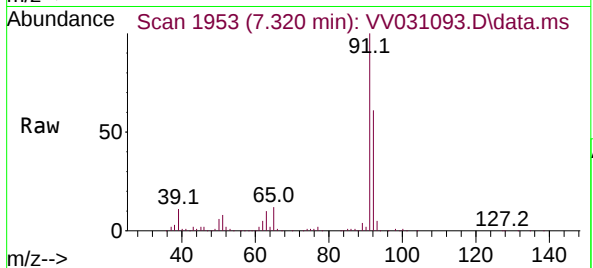
VSTD005356

Tgt Ion: 91 Resp: 158254

Ion Ratio Lower Upper

91 100

92 61.1 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.933 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV031093.D

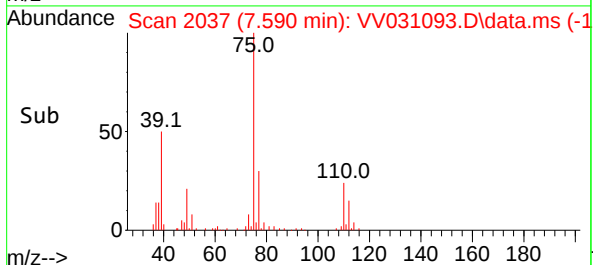
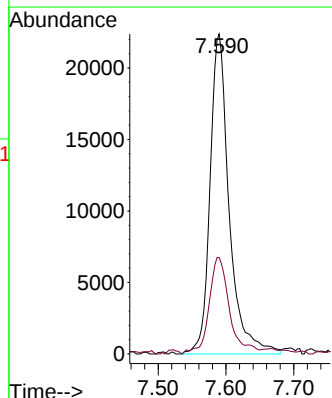
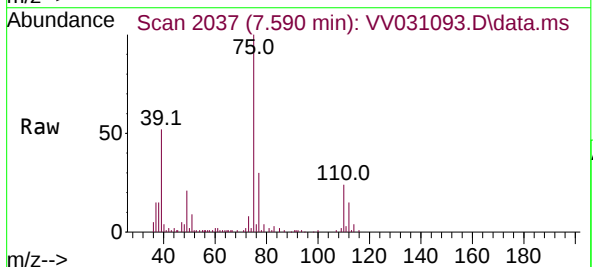
Acq: 18 May 2023 16:01

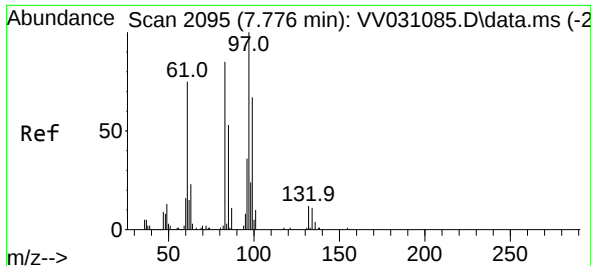
Tgt Ion: 75 Resp: 43938

Ion Ratio Lower Upper

75 100

77 30.1 21.6 40.0

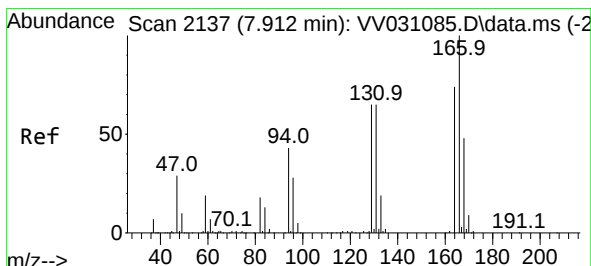
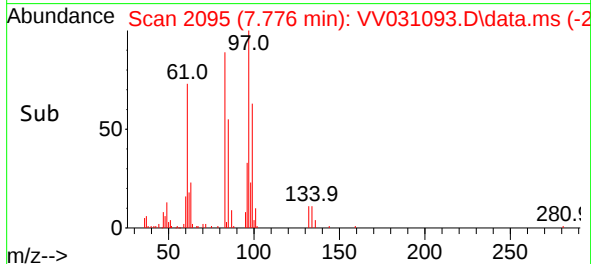
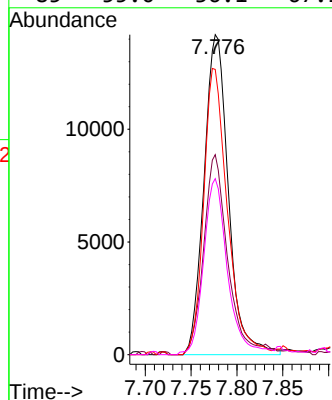
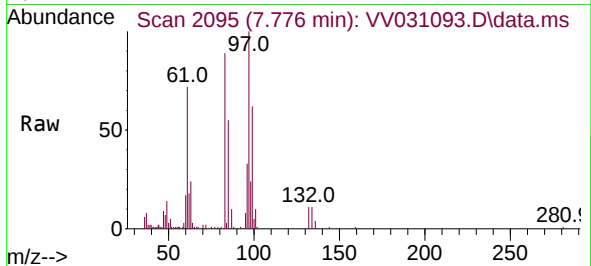




#45
1,1,2-Trichloroethane
Concen: 5.082 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.000 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

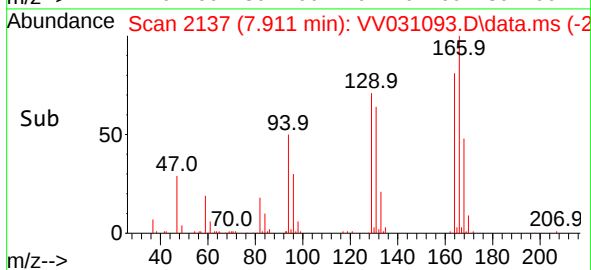
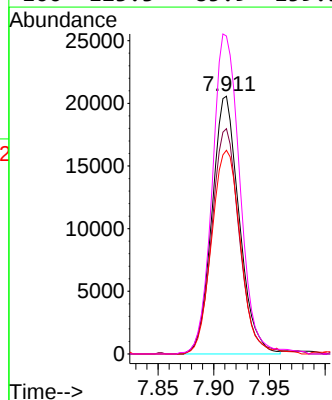
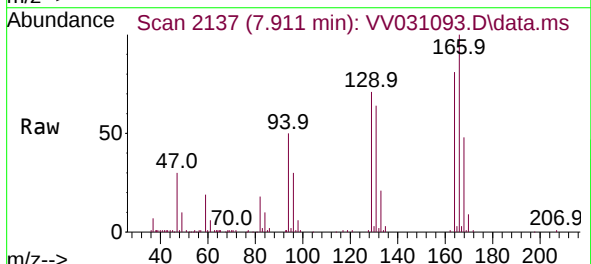
Instrument :
MSVOA_V
ClientSampleId :
VSTD005356

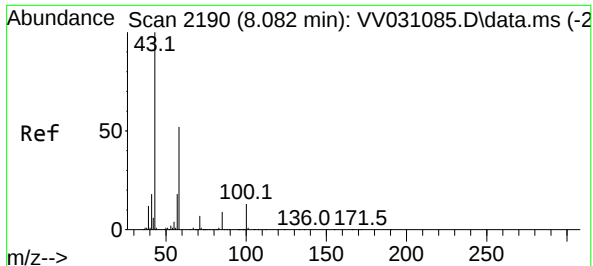
Tgt Ion: 97	Resp: 26315
Ion Ratio	Lower Upper
97 100	
99 62.5	42.8 79.6
83 89.1	57.5 106.7
85 55.0	36.1 67.1



#47
Tetrachloroethene
Concen: 4.675 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

Tgt	Ion:164	Resp:	34980
Ion	Ratio	Lower	Upper
164	100		
129	87.4	60.5	112.3
131	79.0	60.8	112.8
166	123.3	85.9	159.5

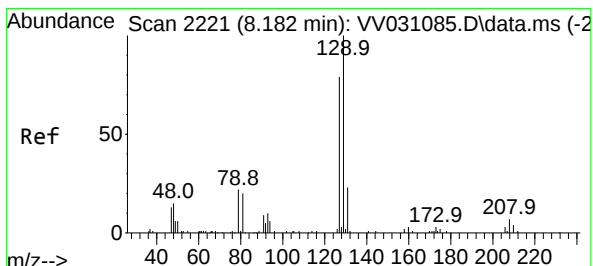
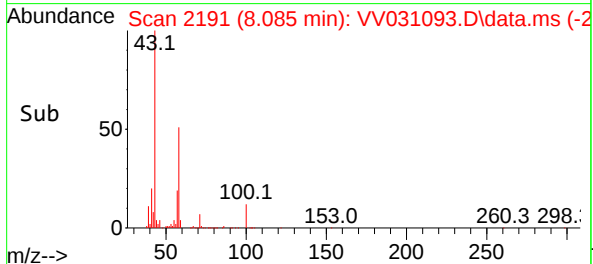
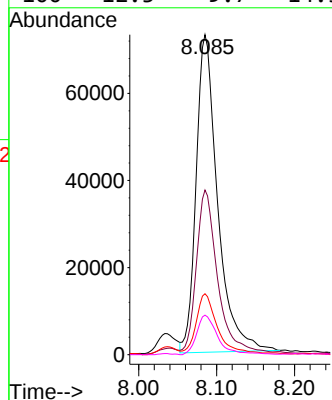
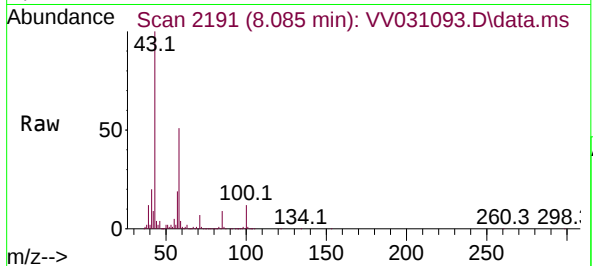




#48
2-Hexanone
Concen: 50.470 ug/L
RT: 8.085 min Scan# 2190
Delta R.T. 0.003 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

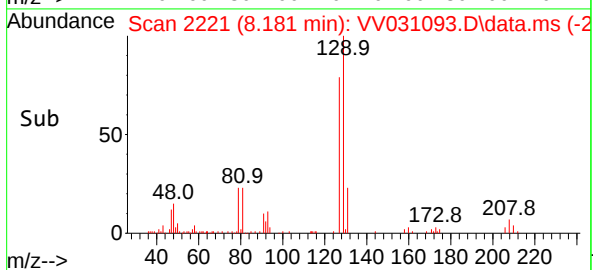
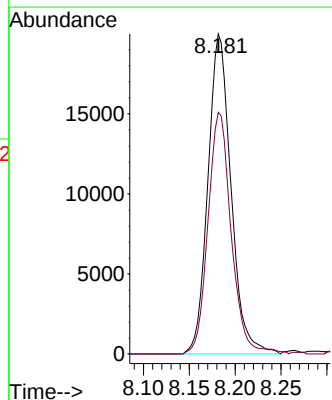
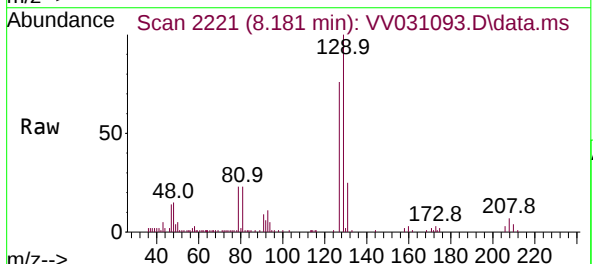
Instrument :
MSVOA_V
ClientSampleId :
VSTD005356

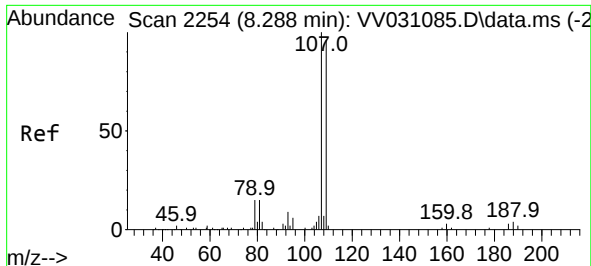
Tgt Ion:	43	Resp:	139978
Ion	Ratio	Lower	Upper
43	100		
58	49.9	39.9	59.9
57	18.1	14.1	21.1
100	12.3	9.7	14.5



#49
Dibromochloromethane
Concen: 5.375 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

Tgt Ion:	129	Resp:	35016
Ion	Ratio	Lower	Upper
129	100		
127	75.5	55.3	102.7





#50

1,2-Dibromoethane

Concen: 4.997 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031093.D

Acq: 18 May 2023 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005356

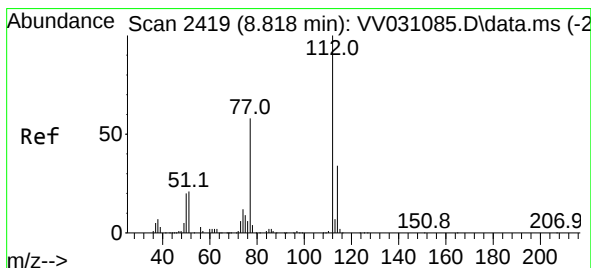
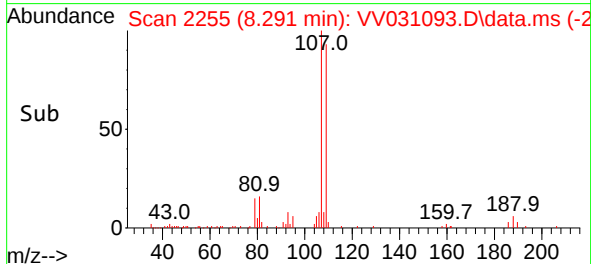
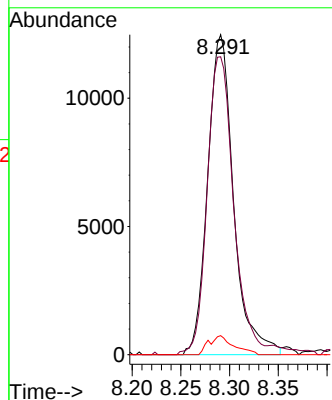
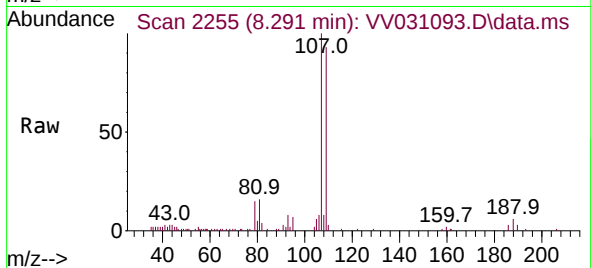
Tgt Ion:107 Resp: 23079

Ion Ratio Lower Upper

107 100

109 93.1 64.9 120.5

188 5.9 3.2 4.8#



#51

Chlorobenzene

Concen: 4.926 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.003 min

Lab File: VV031093.D

Acq: 18 May 2023 16:01

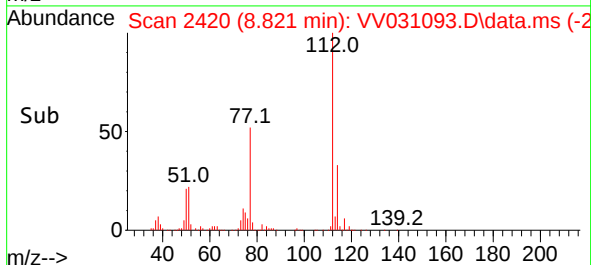
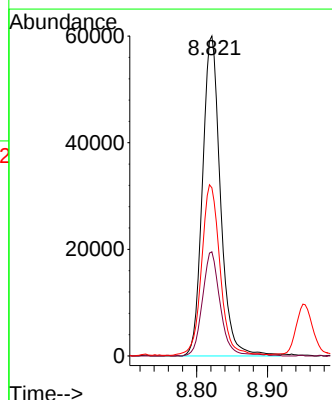
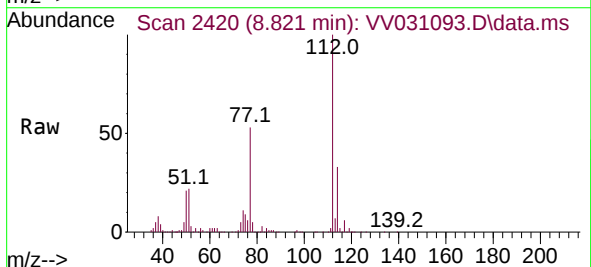
Tgt Ion:112 Resp: 105790

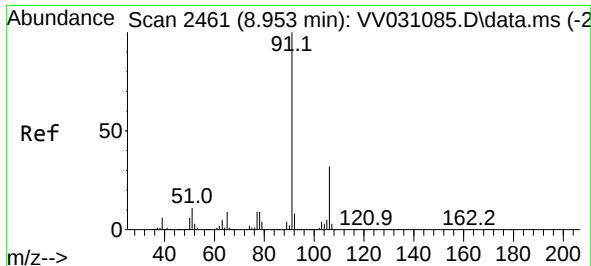
Ion Ratio Lower Upper

112 100

114 32.5 22.5 41.9

77 52.5 45.3 67.9

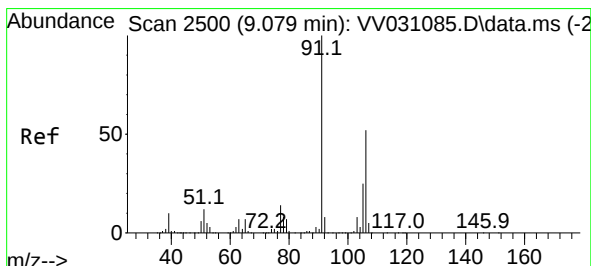
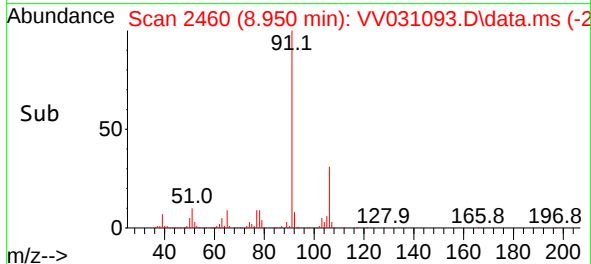
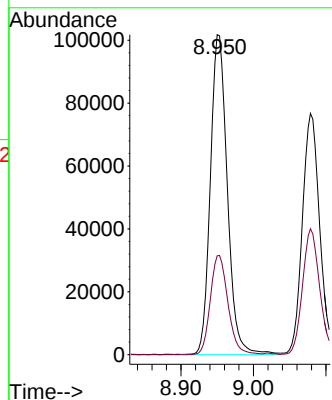
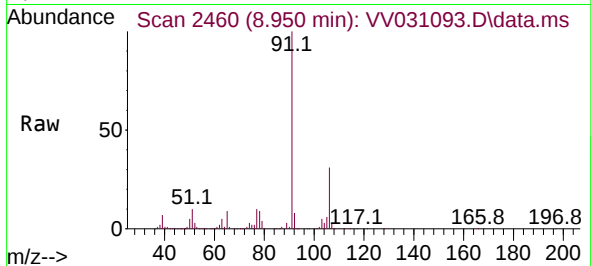




#52
Ethylbenzene
Concen: 4.798 ug/L
RT: 8.950 min Scan# 2461
Delta R.T. -0.003 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

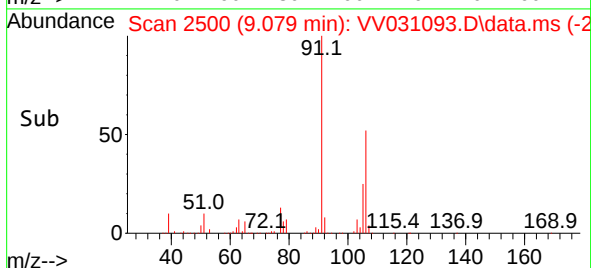
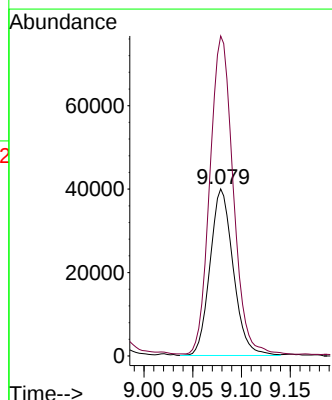
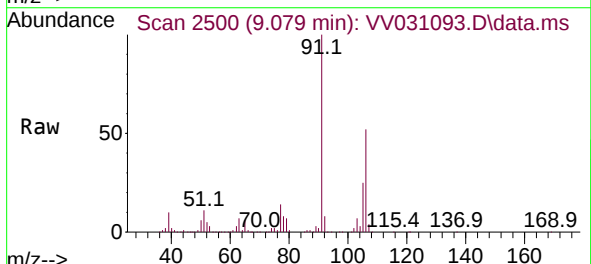
Instrument :
MSVOA_V
ClientSampleId :
VSTD005356

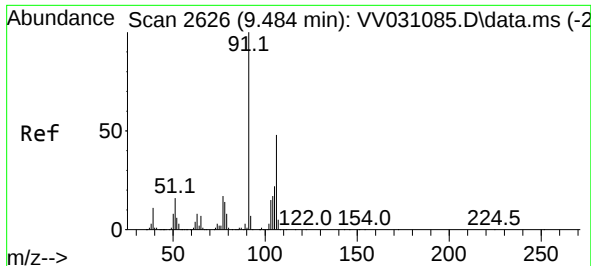
Tgt Ion: 91 Resp: 165704
Ion Ratio Lower Upper
91 100
106 30.9 21.4 39.8



#53
m,p-Xylene
Concen: 4.790 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

Tgt Ion:106 Resp: 66020
Ion Ratio Lower Upper
106 100
91 191.6 138.7 257.5

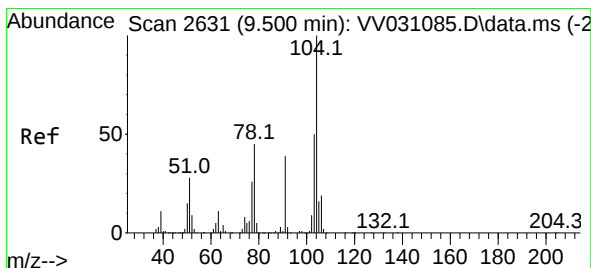
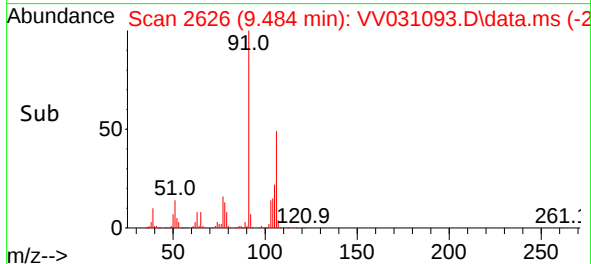
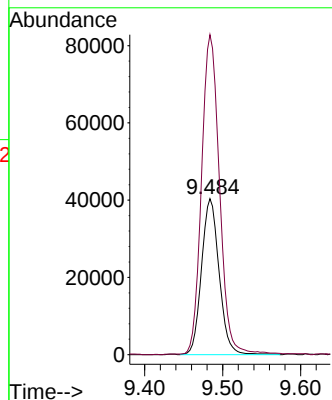
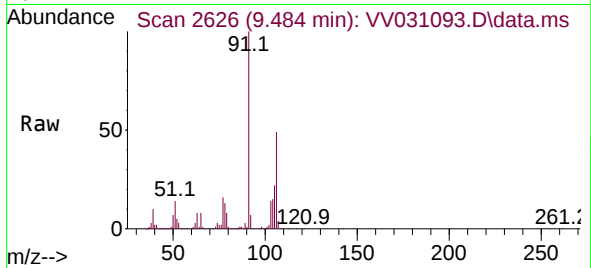




#54
o-Xylene
Concen: 4.834 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

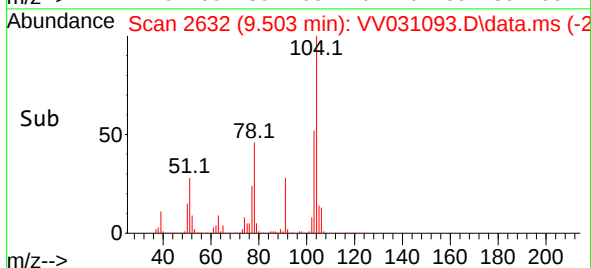
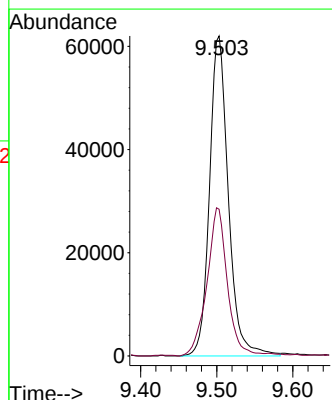
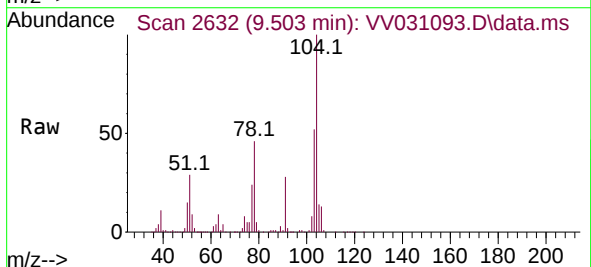
Instrument :
MSVOA_V
ClientSampleId :
VSTD005356

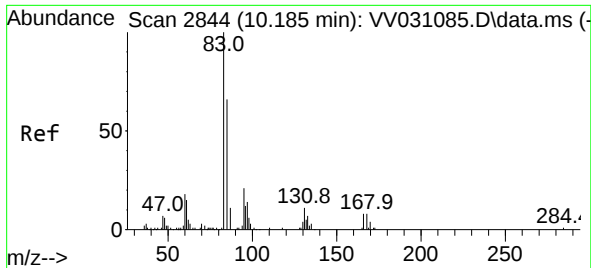
Tgt Ion:106 Resp: 63407
Ion Ratio Lower Upper
106 100
91 205.1 145.1 269.5



#55
Styrene
Concen: 4.823 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.003 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

Tgt Ion:104 Resp: 106745
Ion Ratio Lower Upper
104 100
78 45.9 31.4 58.2

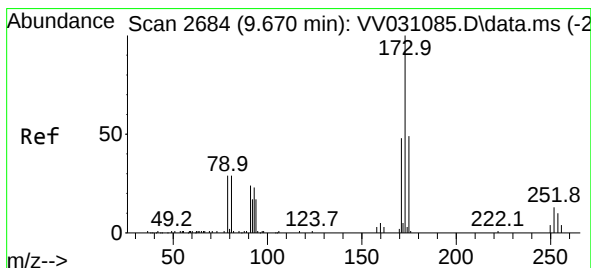
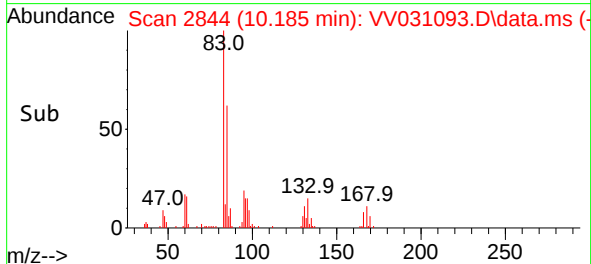
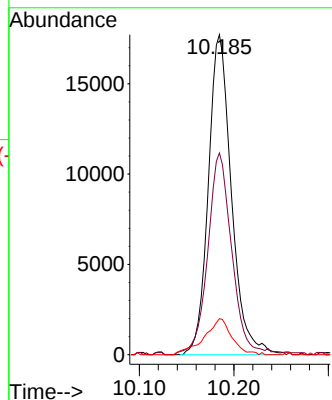
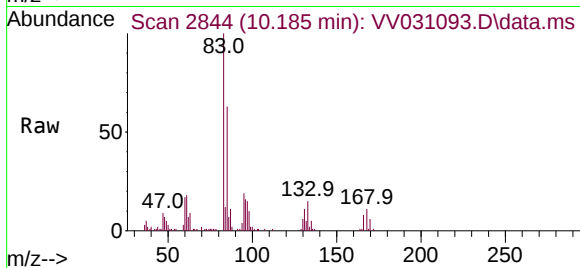




#57
1,1,2,2-Tetrachloroethane
Concen: 5.191 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

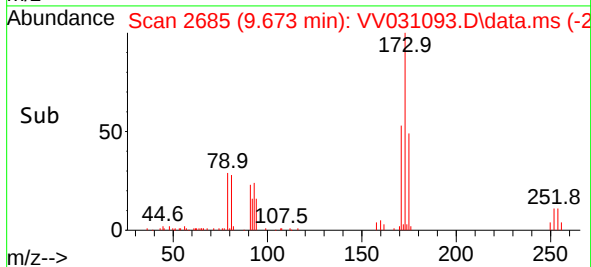
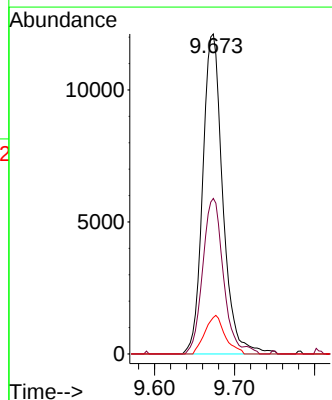
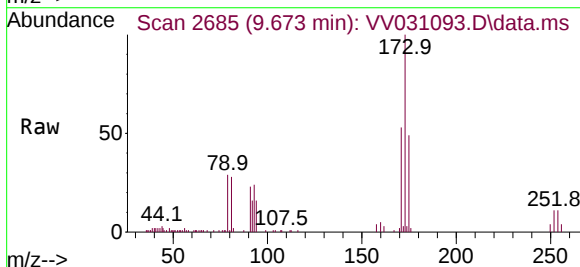
Instrument :
MSVOA_V
ClientSampleId :
VSTD005356

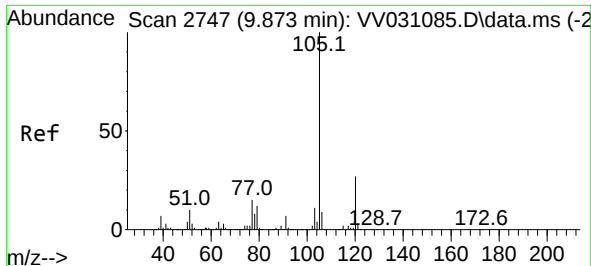
Tgt Ion:	83	Resp:	30045
Ion	Ratio	Lower	Upper
83	100		
85	63.0	45.2	84.0
131	11.2	8.3	12.5



#59
Bromoform
Concen: 5.382 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. 0.003 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

Tgt Ion:	173	Resp:	21168
Ion	Ratio	Lower	Upper
173	100		
175	50.5	39.9	59.9
254	12.0	9.7	14.5

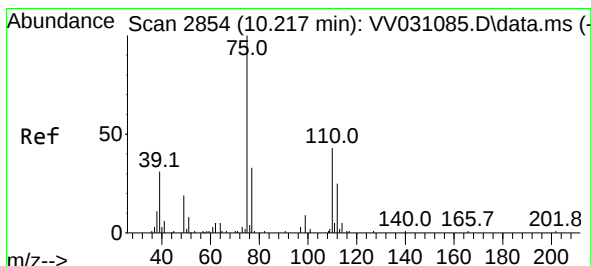
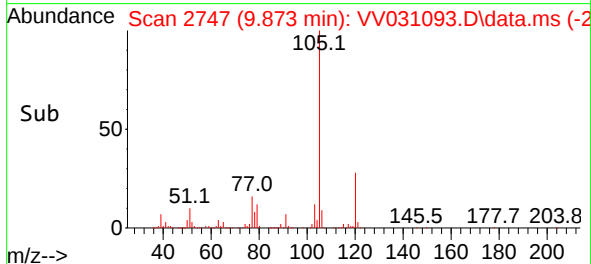
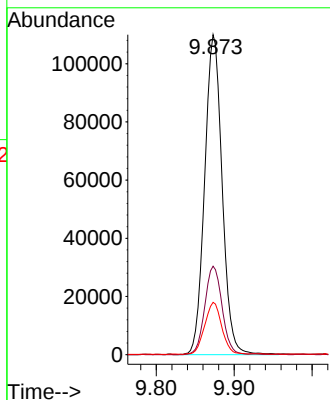
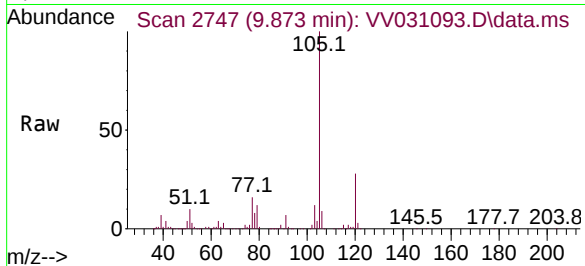




#60
Isopropylbenzene
Concen: 4.767 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

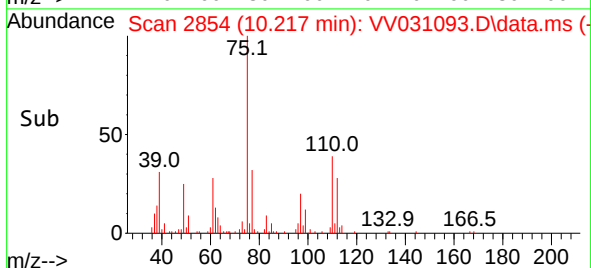
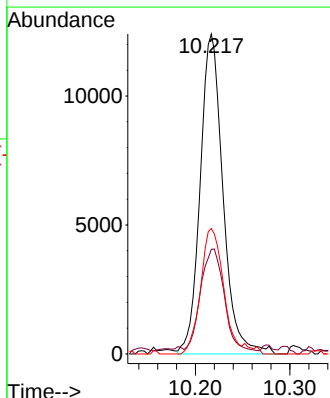
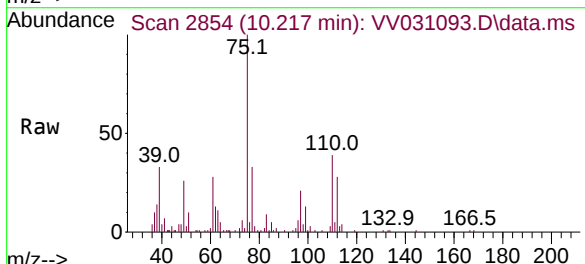
Instrument :
MSVOA_V
ClientSampleId :
VSTD005356

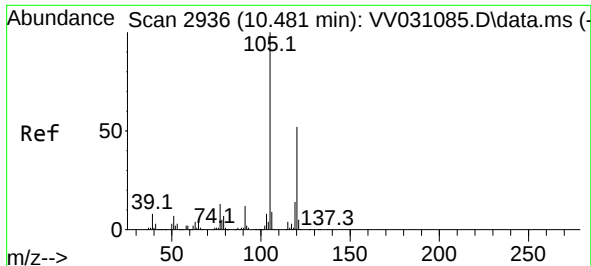
Tgt Ion:105 Resp: 171740
Ion Ratio Lower Upper
105 100
120 27.3 22.2 33.4
77 15.9 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 4.952 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

Tgt Ion: 75 Resp: 20788
Ion Ratio Lower Upper
75 100
77 32.2 25.3 37.9
110 40.4 34.0 51.0

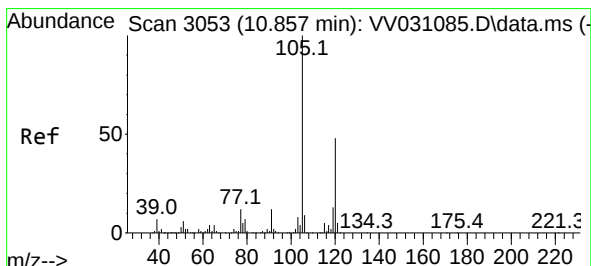
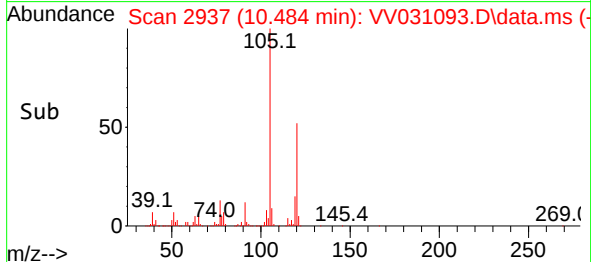
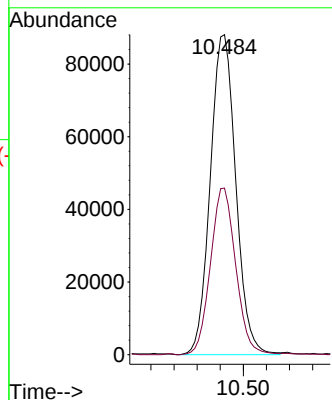
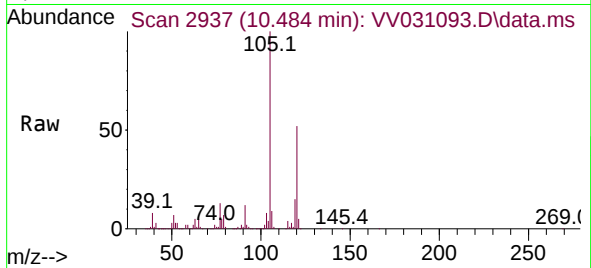




#62
 1,3,5-Trimethylbenzene
 Concen: 4.607 ug/L
 RT: 10.484 min Scan# 2936
 Delta R.T. 0.003 min
 Lab File: VV031093.D
 Acq: 18 May 2023 16:01

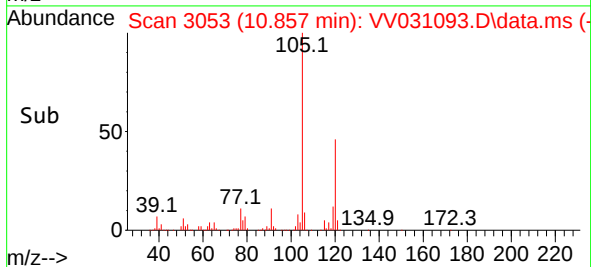
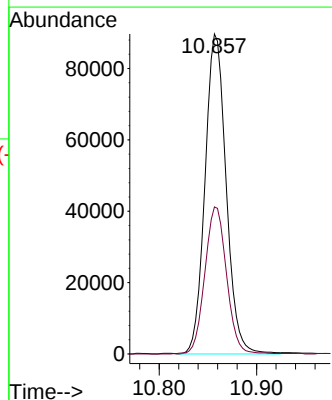
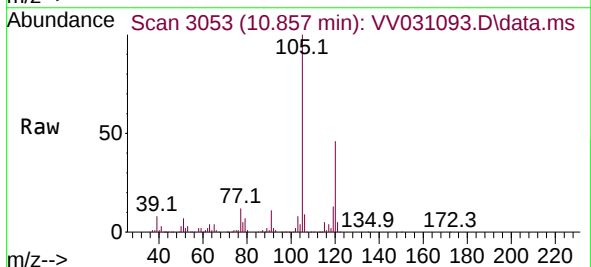
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005356

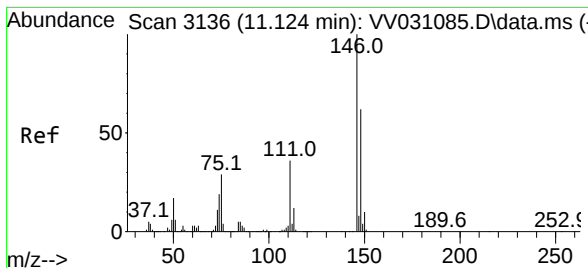
Tgt Ion:105 Resp: 135106
 Ion Ratio Lower Upper
 105 100
 120 51.5 40.2 60.4



#63
 1,2,4-Trimethylbenzene
 Concen: 4.551 ug/L
 RT: 10.857 min Scan# 3053
 Delta R.T. -0.000 min
 Lab File: VV031093.D
 Acq: 18 May 2023 16:01

Tgt Ion:105 Resp: 135241
 Ion Ratio Lower Upper
 105 100
 120 47.2 37.9 56.9





#64

1,3-Dichlorobenzene

Concen: 4.909 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. -0.000 min

Lab File: VV031093.D

Acq: 18 May 2023 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005356

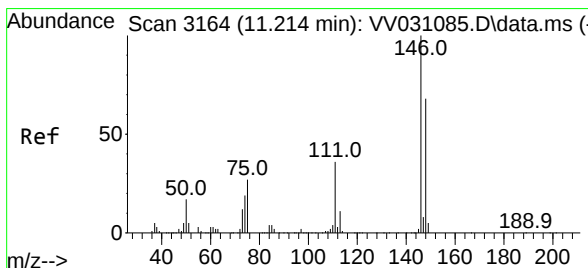
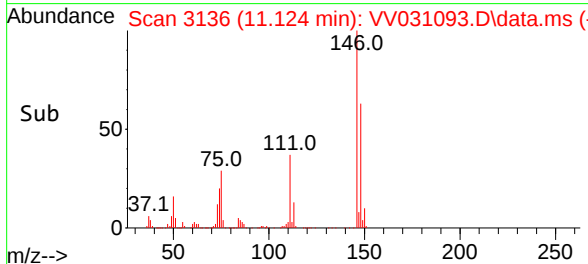
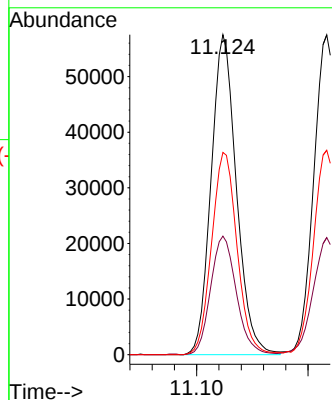
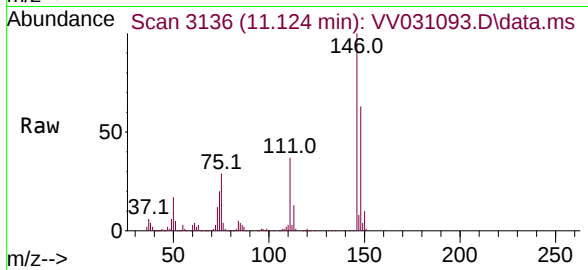
Tgt Ion:146 Resp: 90825

Ion Ratio Lower Upper

146 100

111 37.1 26.5 49.3

148 63.2 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 4.881 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VV031093.D

Acq: 18 May 2023 16:01

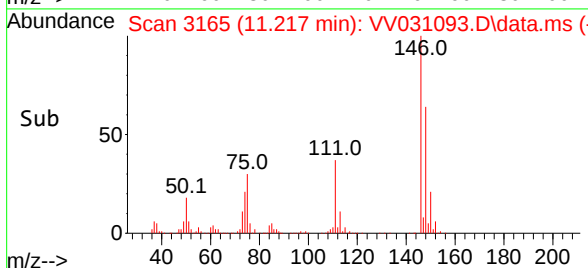
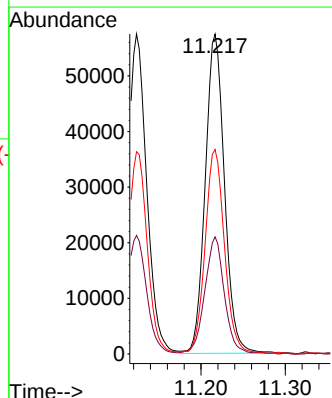
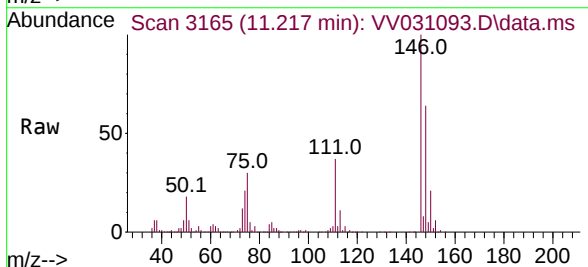
Tgt Ion:146 Resp: 91113

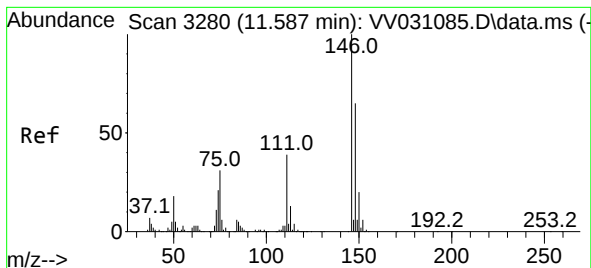
Ion Ratio Lower Upper

146 100

111 36.6 23.9 44.5

148 63.9 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 4.931 ug/L

RT: 11.586 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031093.D

Acq: 18 May 2023 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005356

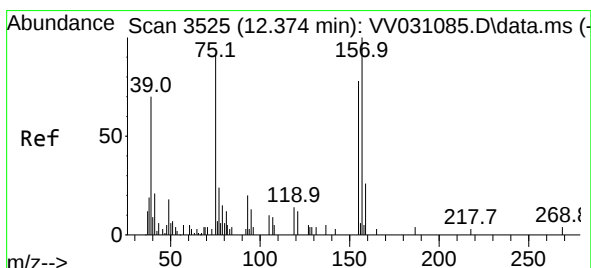
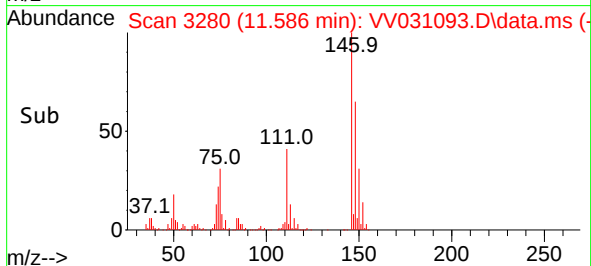
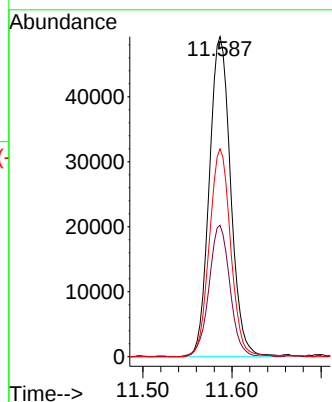
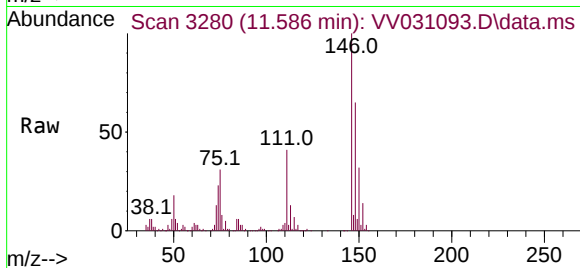
Tgt Ion:146 Resp: 82034

Ion Ratio Lower Upper

146 100

111 41.1 34.0 51.0

148 65.0 53.8 80.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.464 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.003 min

Lab File: VV031093.D

Acq: 18 May 2023 16:01

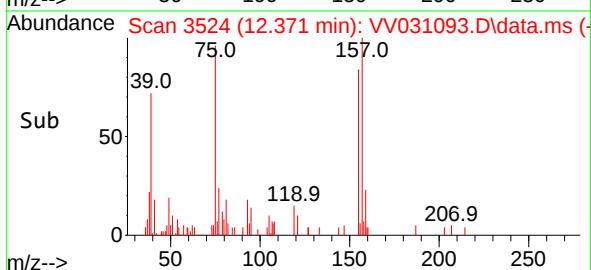
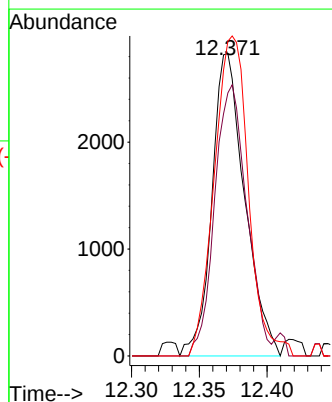
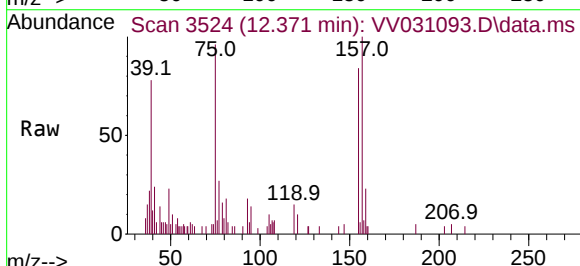
Tgt Ion: 75 Resp: 4756

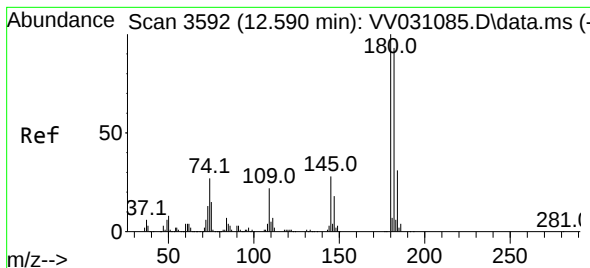
Ion Ratio Lower Upper

75 100

155 87.0 56.2 84.4#

157 104.0 83.1 124.7





#69

1,3,5-Trichlorobenzene

Concen: 4.549 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. -0.000 min

Lab File: VV031093.D

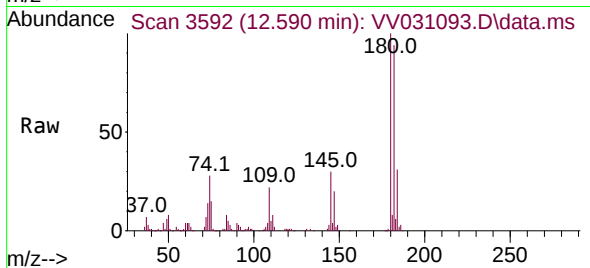
Acq: 18 May 2023 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005356



Tgt Ion:180 Resp: 66647

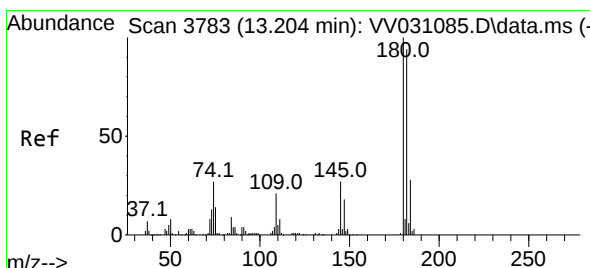
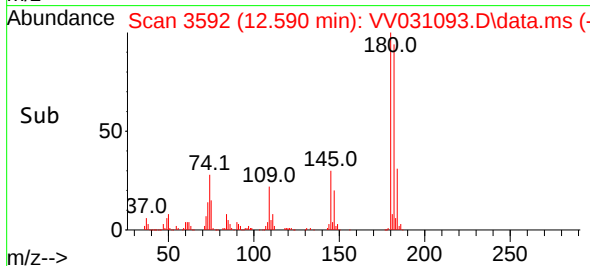
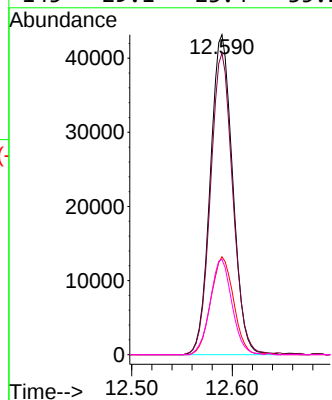
Ion Ratio Lower Upper

180 100

182 94.0 75.1 112.7

184 31.1 24.1 36.1

145 29.1 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 4.233 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.003 min

Lab File: VV031093.D

Acq: 18 May 2023 16:01

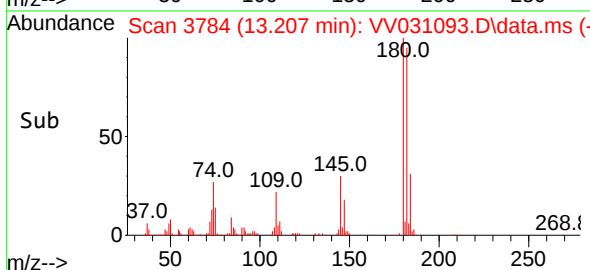
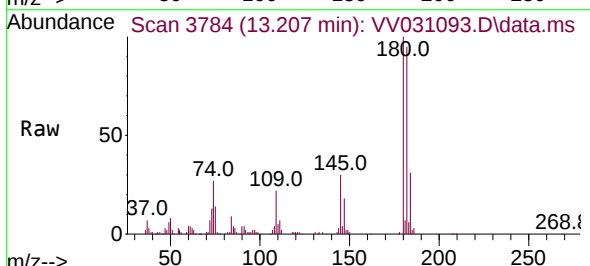
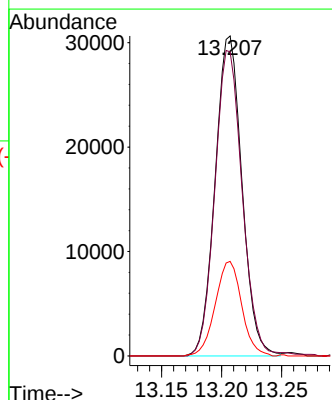
Tgt Ion:180 Resp: 47652

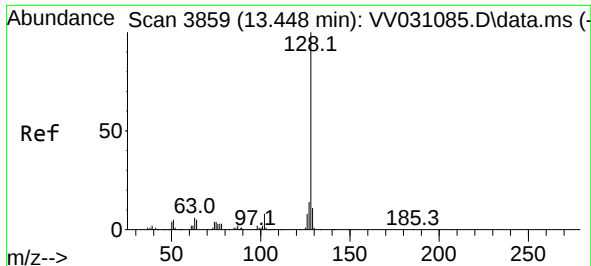
Ion Ratio Lower Upper

180 100

182 97.5 76.0 114.0

145 29.1 22.9 34.3

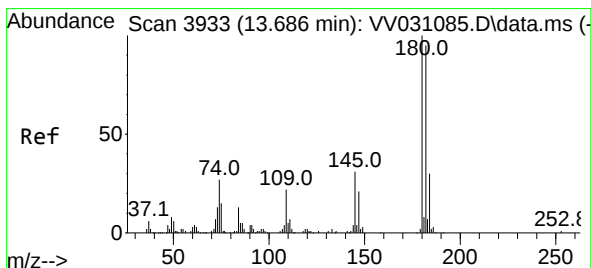
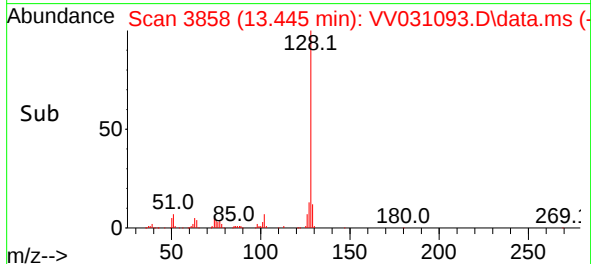
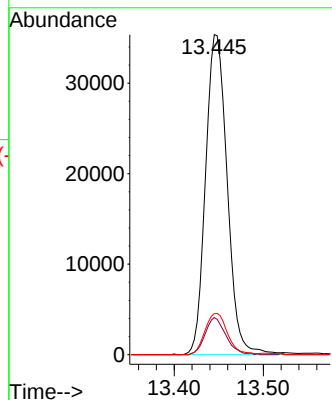
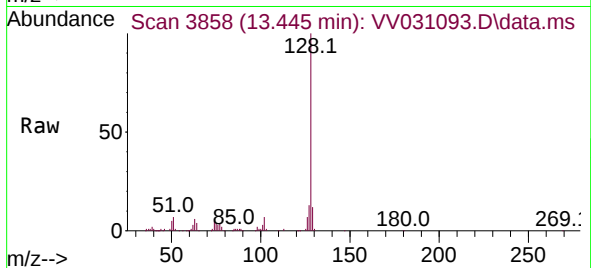




#71
Naphthalene
Concen: 3.688 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. -0.003 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD005356

Tgt Ion:128 Resp: 59539
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.5 10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 4.343 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.003 min
Lab File: VV031093.D
Acq: 18 May 2023 16:01

Tgt Ion:180 Resp: 41393
Ion Ratio Lower Upper
180 100
182 95.1 77.3 115.9
145 29.7 24.7 37.1

