

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052723\
 Data File : VW031251.D
 Acq On : 26 May 2023 16:49
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005359

Quant Time: May 27 01:40:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR052523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 26 06:48:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	159976	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	114516	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	83608	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	73409	4.140	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.800%
7) Chloroethane-d5	1.535	69	62051	4.486	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.800%
11) 1,1-Dichloroethene-d2	2.063	65	32286	4.406	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.200%
20) 2-Butanone-d5	3.822	46	177498	46.514	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.020%
24) Chloroform-d	4.256	84	162747	4.629	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
26) 1,2-Dichloroethane-d4	4.950	65	80002	4.605	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
32) Benzene-d6	4.966	84	287117	6.004	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.000%
36) 1,2-Dichloropropane-d6	5.995	67	98443	6.151	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	123.000%
41) Toluene-d8	7.249	98	245802	5.882	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.600%
43) trans-1,3-Dichloroprop...	7.561	79	27816	5.406	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.200%
46) 2-Hexanone-d5	8.034	63	116699	55.546	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.100%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	66988	5.931	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.600%
66) 1,2-Dichlorobenzene-d4	11.567	152	88594	4.516	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	83764	4.866	ug/L	98
3) Chloromethane	1.217	50	86826	4.508	ug/L	100
5) Vinyl chloride	1.285	62	89807	4.821	ug/L	99
6) Bromomethane	1.490	94	42946	4.669	ug/L	100
8) Chloroethane	1.552	64	48083	4.897	ug/L	98
9) Trichlorofluoromethane	1.716	101	121435	4.742	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	67509	4.980	ug/L	98
12) 1,1-Dichloroethene	2.072	96	53939	4.982	ug/L	82
13) Acetone	2.146	43	135767	45.271	ug/L	99
14) Carbon disulfide	2.243	76	156518	4.881	ug/L	98
15) Methyl Acetate	2.391	43	27309	4.572	ug/L	97
16) Methylene chloride	2.452	84	72298	3.868	ug/L	99
17) Methyl tert-butyl Ether	2.712	73	148464	4.972	ug/L	96
18) trans-1,2-Dichloroethene	2.699	96	60765	5.033	ug/L	93
19) 1,1-Dichloroethane	3.117	63	147455	4.951	ug/L	98
21) 2-Butanone	3.905	43	189069	49.861	ug/L	97
22) cis-1,2-Dichloroethene	3.825	96	68353	4.928	ug/L	97
23) Bromochloromethane	4.153	128	30140	4.877	ug/L	96
25) Chloroform	4.285	83	151492	4.974	ug/L	96

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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005359

Quant Time: May 27 01:40:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR052523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 26 06:48:38 2023
 Response via : Initial Calibration

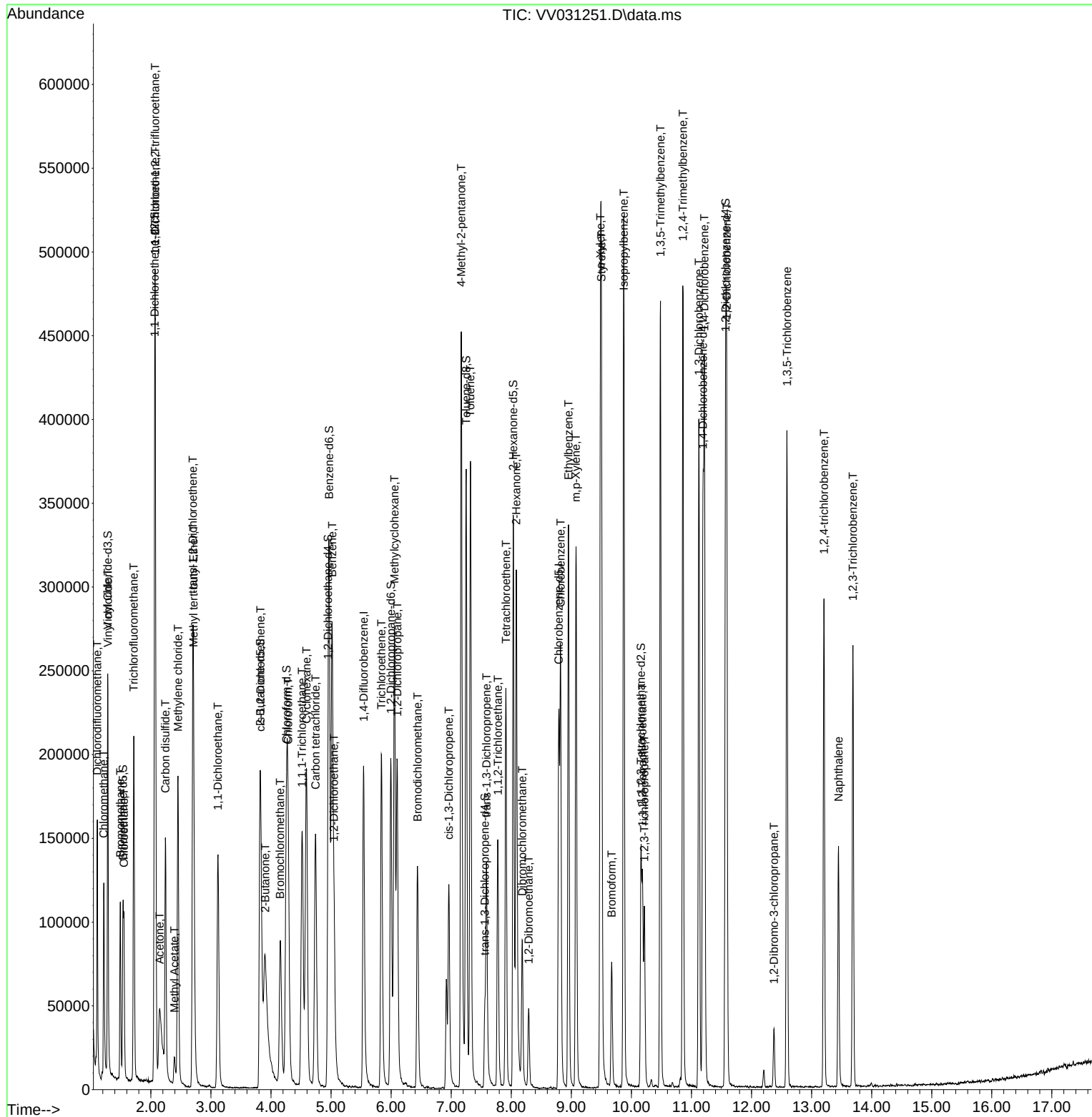
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	84666	4.898	ug/L #	94
29) 1,1,1-Trichloroethane	4.516	97	131211	6.148	ug/L	98
30) Cyclohexane	4.590	56	100554	6.155	ug/L	99
31) Carbon tetrachloride	4.741	117	119514	6.494	ug/L	98
33) Benzene	5.018	78	272909	6.394	ug/L	100
34) Trichloroethene	5.838	95	73595	6.418	ug/L	98
35) Methylcyclohexane	6.056	83	101025	6.374	ug/L	97
37) 1,2-Dichloropropane	6.101	63	79625	6.368	ug/L	99
38) Bromodichloromethane	6.439	83	93826	5.987	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	75021	5.063	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	346266	56.541	ug/L	100
42) Toluene	7.320	91	270890	6.460	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	80692	6.278	ug/L	97
45) 1,1,2-Trichloroethane	7.776	97	45346	5.997	ug/L	93
47) Tetrachloroethene	7.911	164	53324	6.416	ug/L	97
48) 2-Hexanone	8.085	43	215597	45.339	ug/L	96
49) Dibromochloromethane	8.185	129	44934	4.946	ug/L	94
50) 1,2-Dibromoethane	8.291	107	31250	4.477	ug/L	89
51) Chlorobenzene	8.821	112	133393	4.836	ug/L	99
52) Ethylbenzene	8.953	91	231122	4.999	ug/L	100
53) m,p-Xylene	9.079	106	87804	5.139	ug/L	91
54) o-Xylene	9.484	106	97757	6.010	ug/L	96
55) Styrene	9.503	104	175655	6.124	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	58618	6.142	ug/L	97
59) Bromoform	9.670	173	34172	5.048	ug/L	96
60) Isopropylbenzene	9.873	105	308055	5.054	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	43368	4.746	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	244589	4.949	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	251389	4.968	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	151069	5.234	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	150956	5.112	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	134402	4.859	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.374	75	9072	4.711	ug/L	93
69) 1,3,5-Trichlorobenzene	12.590	180	116116	4.954	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	85916	4.586	ug/L	99
71) Naphthalene	13.448	128	106281	3.833	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	75059	4.658	ug/L	99

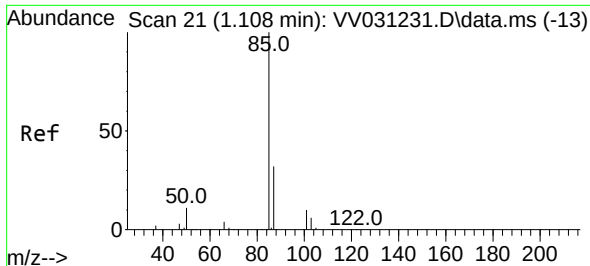
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Data File : VV031251.D
Acq On : 26 May 2023 16:49
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Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

Quant Time: May 27 01:40:44 2023
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QLast Update : Fri May 26 06:48:38 2023
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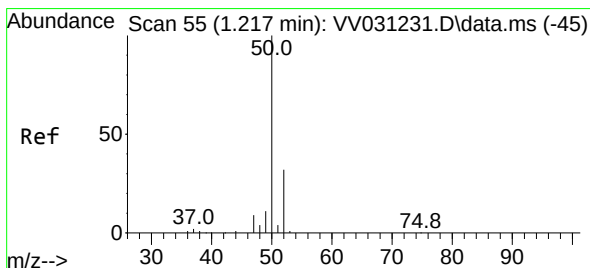
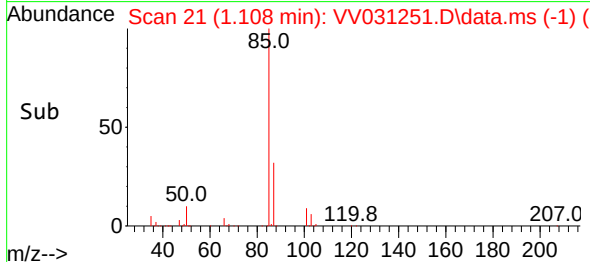
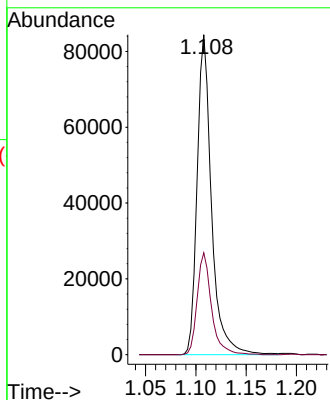
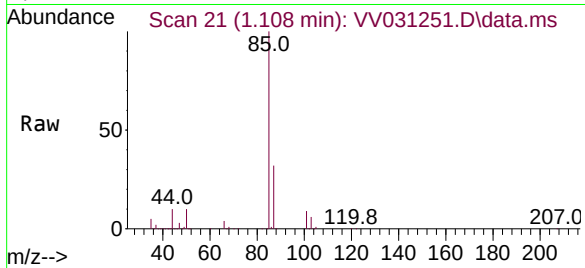




#2
Dichlorodifluoromethane
Concen: 4.866 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

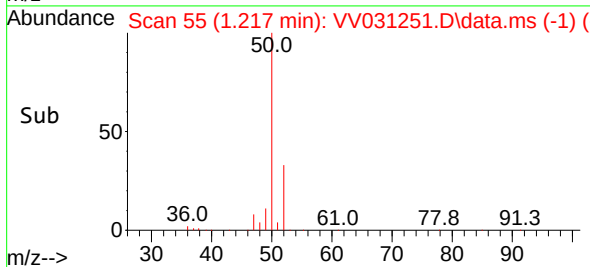
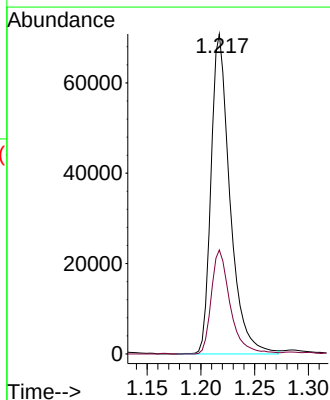
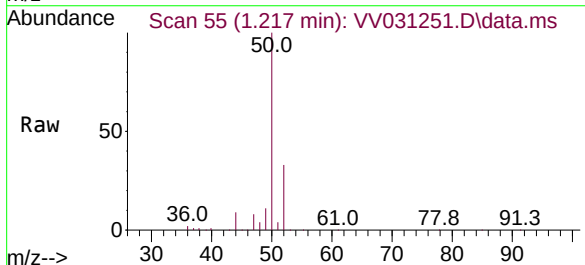
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

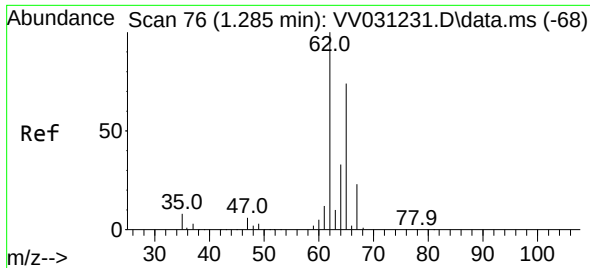
Tgt Ion: 85 Resp: 83764
Ion Ratio Lower Upper
85 100
87 31.7 26.1 39.1



#3
Chloromethane
Concen: 4.508 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

Tgt Ion: 50 Resp: 86826
Ion Ratio Lower Upper
50 100
52 32.5 22.7 42.1

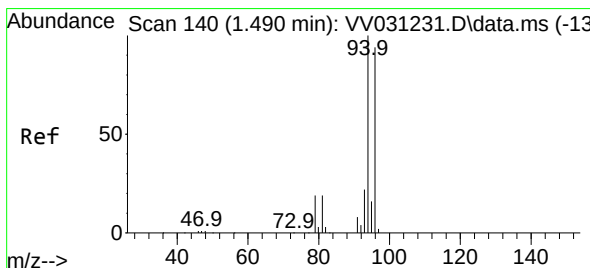
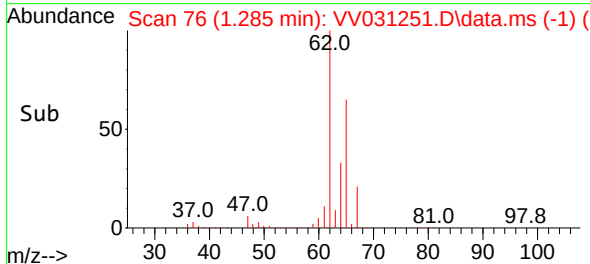
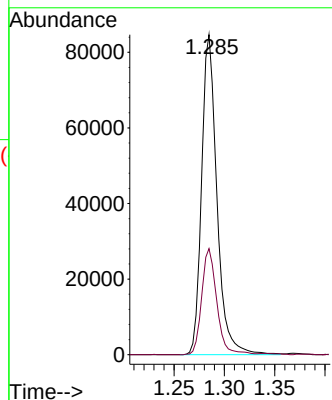
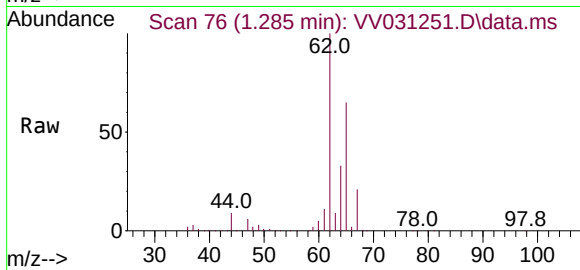




#5
 Vinyl chloride
 Concen: 4.821 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031251.D
 Acq: 26 May 2023 16:49

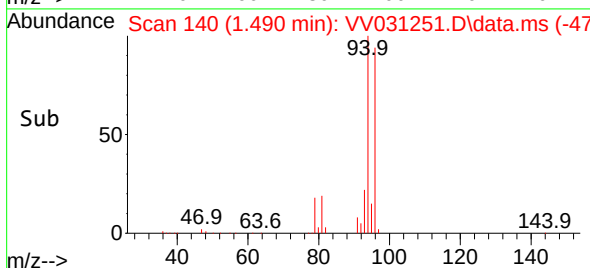
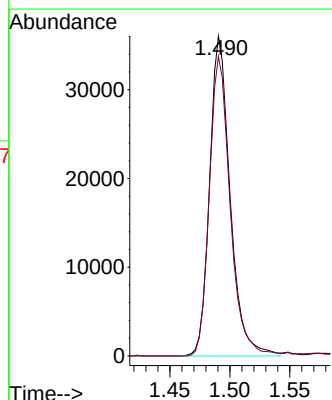
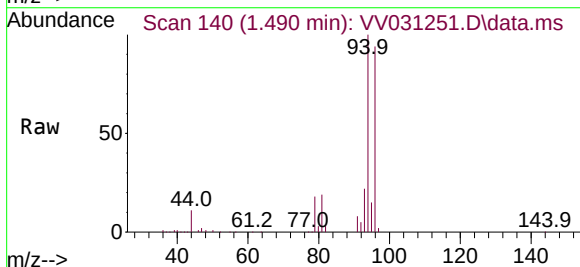
Instrument :
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 ClientSampleId :
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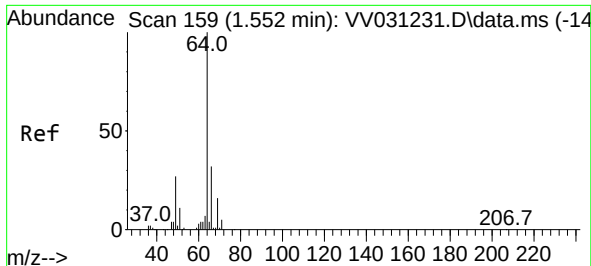
Tgt Ion: 62 Resp: 89807
 Ion Ratio Lower Upper
 62 100
 64 33.2 22.7 42.3



#6
 Bromomethane
 Concen: 4.669 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV031251.D
 Acq: 26 May 2023 16:49

Tgt Ion: 94 Resp: 42946
 Ion Ratio Lower Upper
 94 100
 96 93.6 65.8 122.2

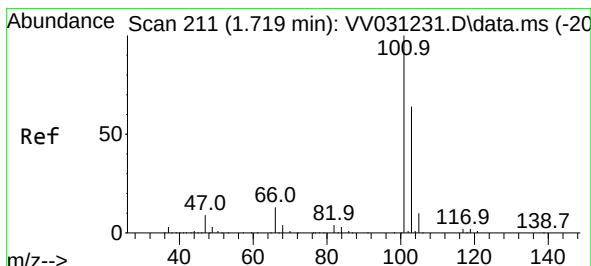
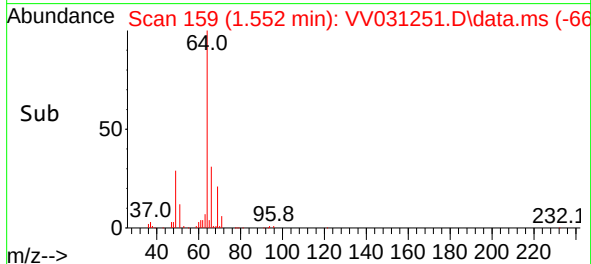
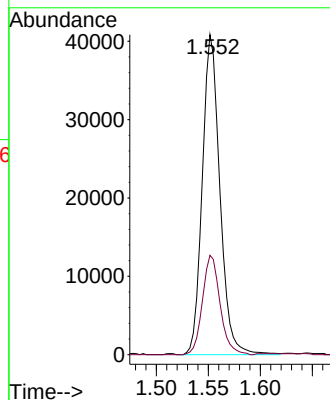
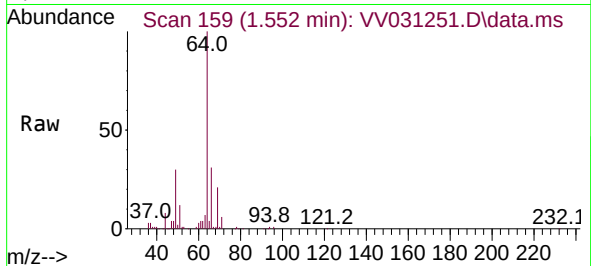




#8
Chloroethane
Concen: 4.897 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

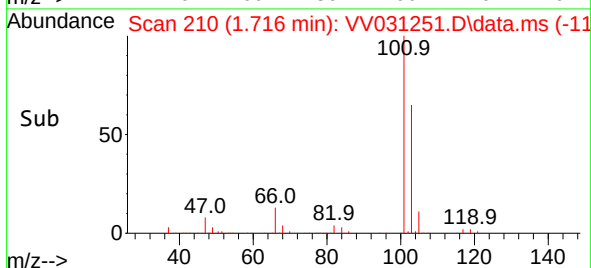
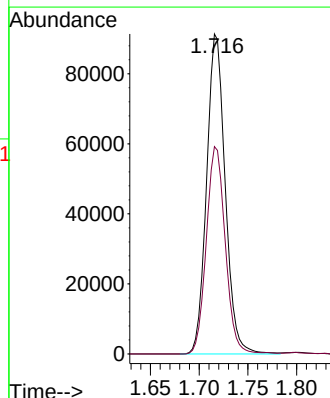
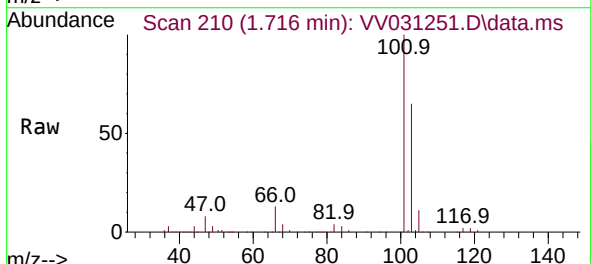
Instrument :
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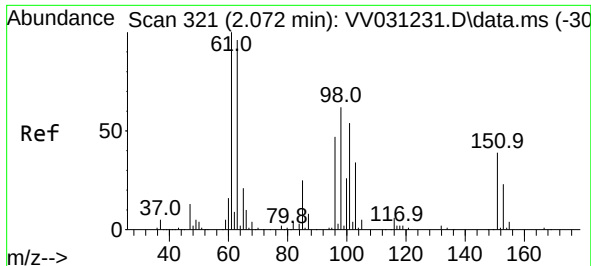
Tgt Ion: 64 Resp: 48083
Ion Ratio Lower Upper
64 100
66 31.0 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.742 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.003 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

Tgt Ion: 101 Resp: 121435
Ion Ratio Lower Upper
101 100
103 65.8 52.1 78.1





#10

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

Concen: 4.980 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

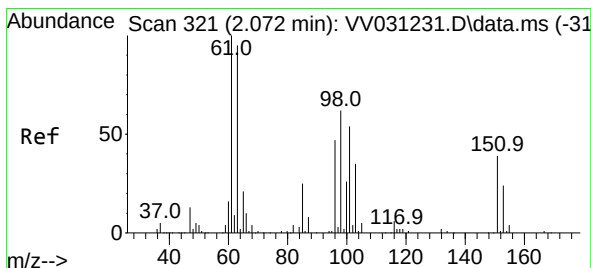
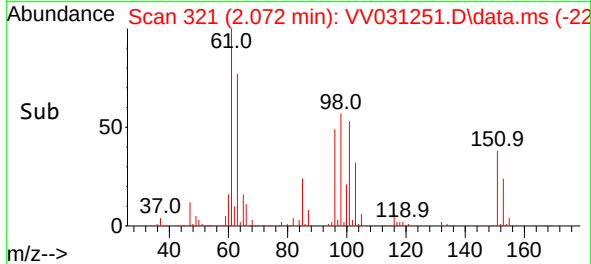
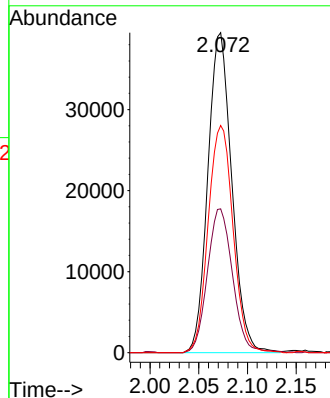
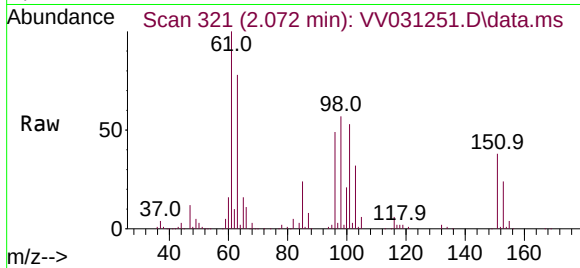
Tgt Ion:101 Resp: 67509

Ion Ratio Lower Upper

101 100

85 47.1 37.6 56.4

151 73.8 56.6 85.0



#12

1,1-Dichloroethene

Concen: 4.982 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

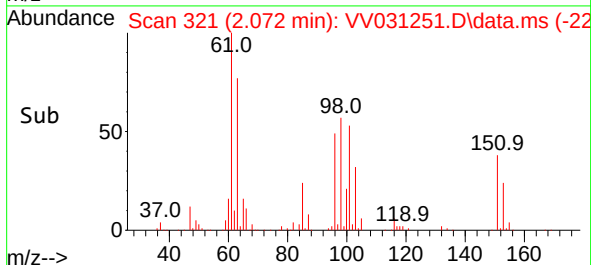
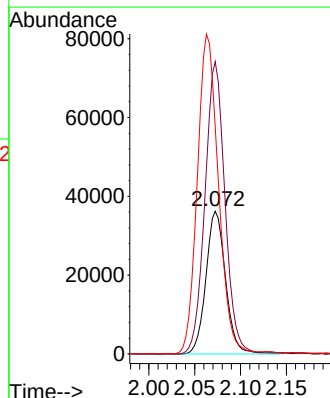
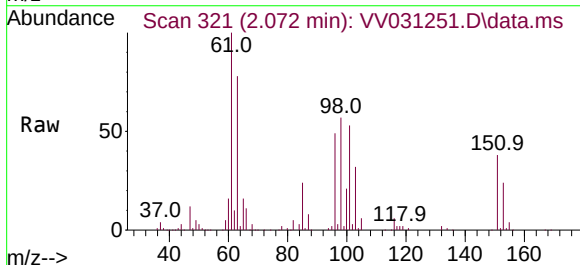
Tgt Ion: 96 Resp: 53939

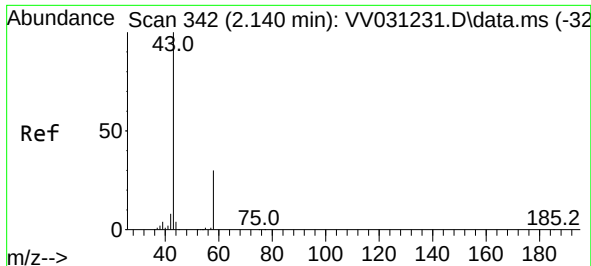
Ion Ratio Lower Upper

96 100

61 204.9 150.0 278.6

63 158.8 143.5 266.5





#13

Acetone

Concen: 45.271 ug/L

RT: 2.146 min Scan# 34

Delta R.T. 0.006 min

Lab File: VV031251.D

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MSVOA_V

ClientSampleId :

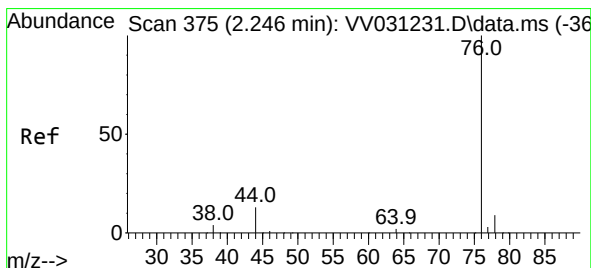
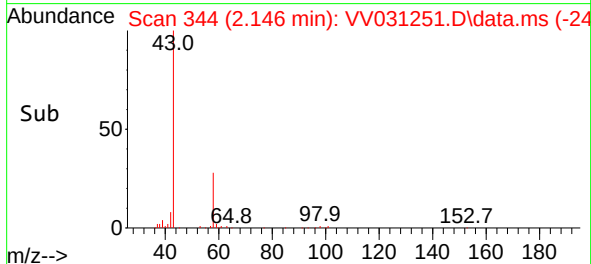
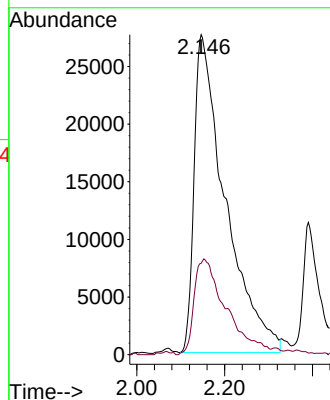
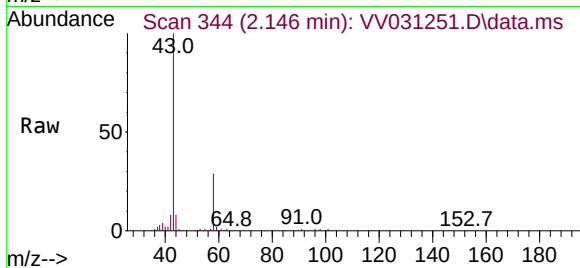
VSTD005359

Tgt Ion: 43 Resp: 135767

Ion Ratio Lower Upper

43 100

58 30.8 0.0 62.2



#14

Carbon disulfide

Concen: 4.881 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

Lab File: VV031251.D

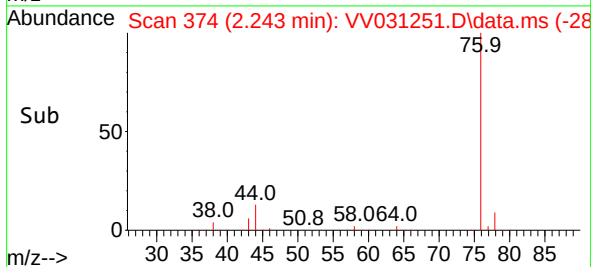
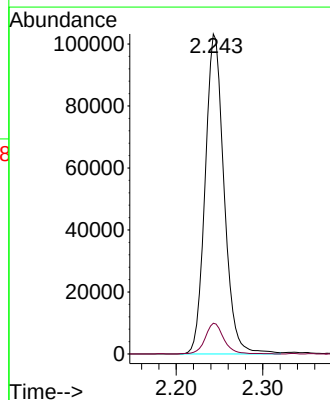
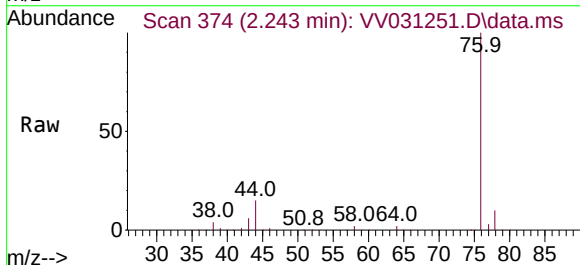
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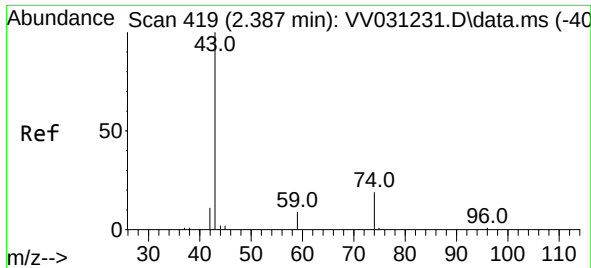
Tgt Ion: 76 Resp: 156518

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.6

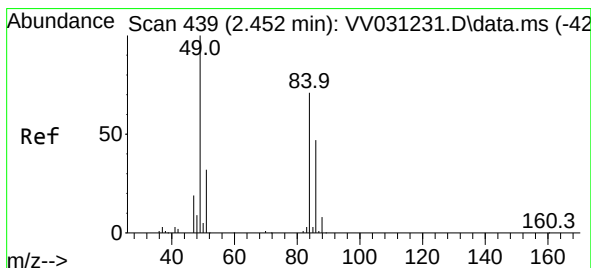
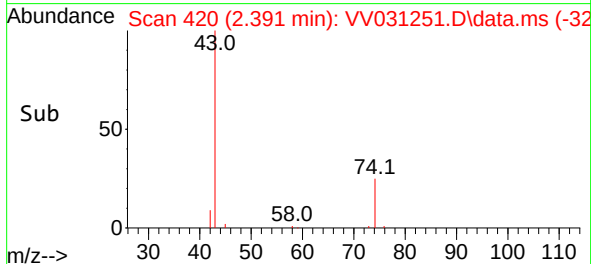
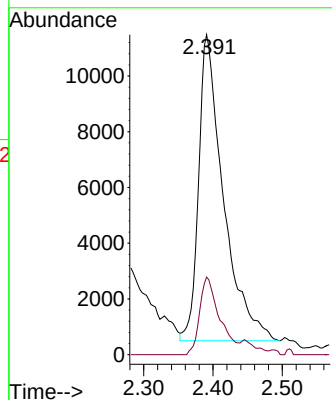
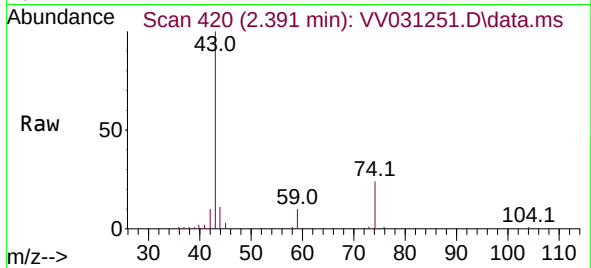




#15
Methyl Acetate
Concen: 4.572 ug/L
RT: 2.391 min Scan# 419
Delta R.T. 0.003 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

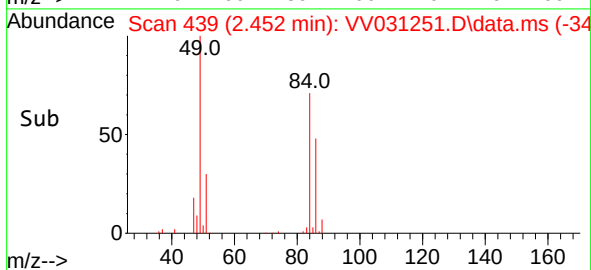
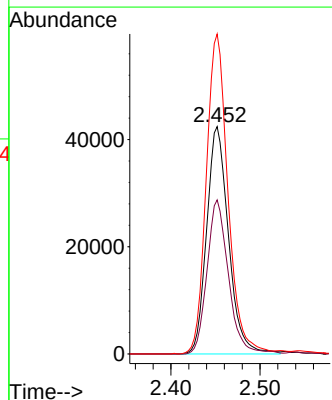
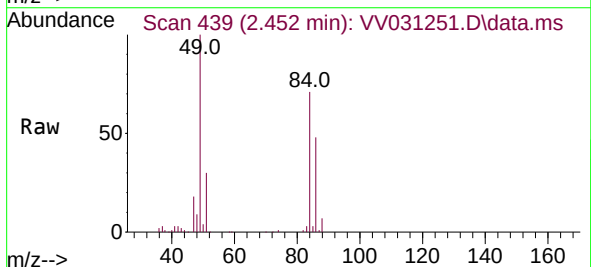
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

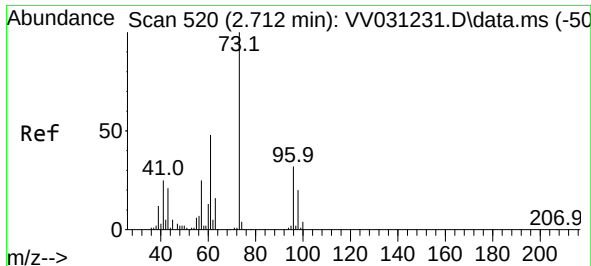
Tgt Ion: 43 Resp: 27309
Ion Ratio Lower Upper
43 100
74 20.6 15.5 23.3



#16
Methylene chloride
Concen: 3.868 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

Tgt Ion: 84 Resp: 72298
Ion Ratio Lower Upper
84 100
86 67.8 46.8 86.8
49 140.7 98.8 183.4





#17

Methyl tert-butyl Ether

Concen: 4.972 ug/L

RT: 2.712 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

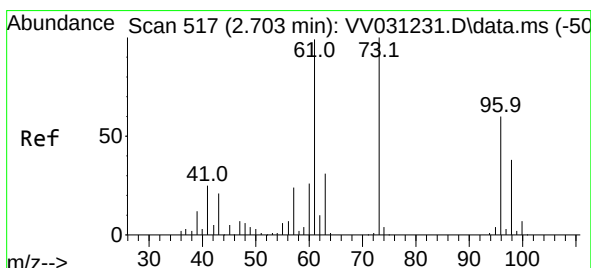
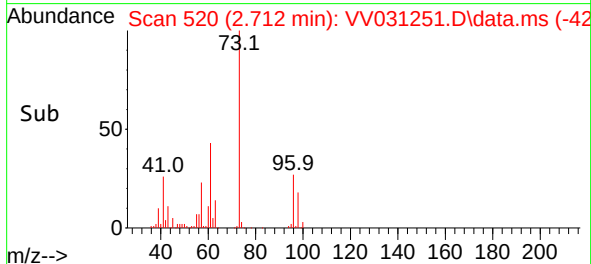
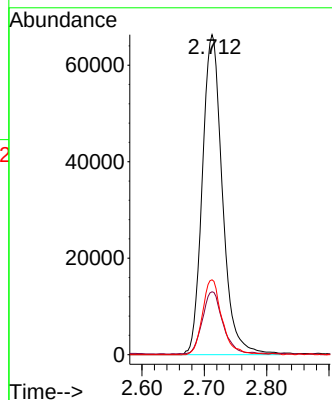
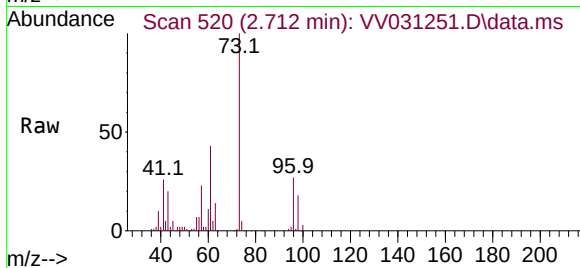
Tgt Ion: 73 Resp: 148464

Ion Ratio Lower Upper

73 100

43 19.4 17.0 25.6

57 22.8 19.5 29.3



#18

trans-1,2-Dichloroethene

Concen: 5.033 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

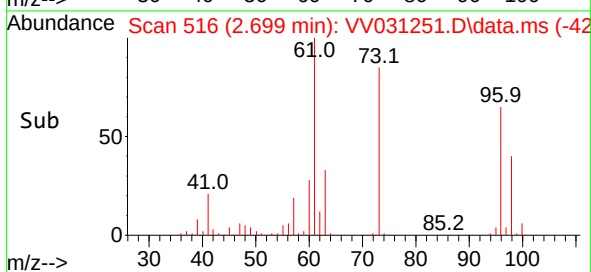
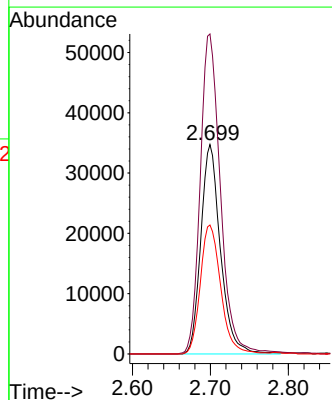
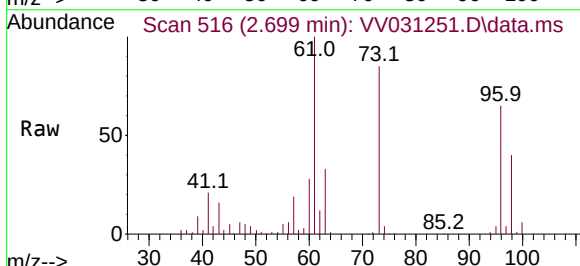
Tgt Ion: 96 Resp: 60765

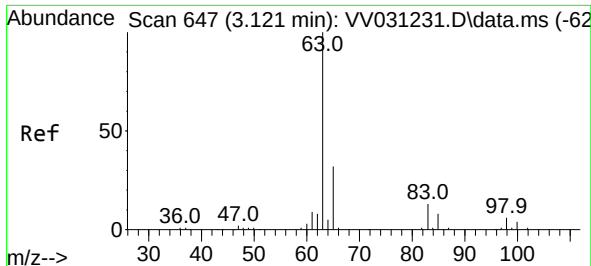
Ion Ratio Lower Upper

96 100

61 152.8 115.0 213.6

98 61.6 44.4 82.5





#19

1,1-Dichloroethane

Concen: 4.951 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

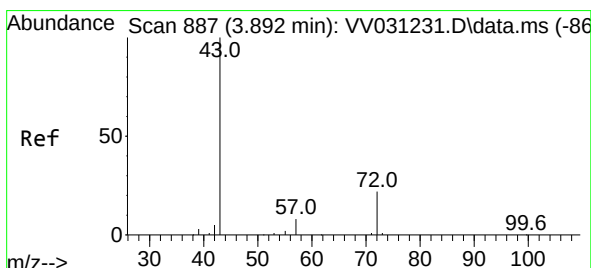
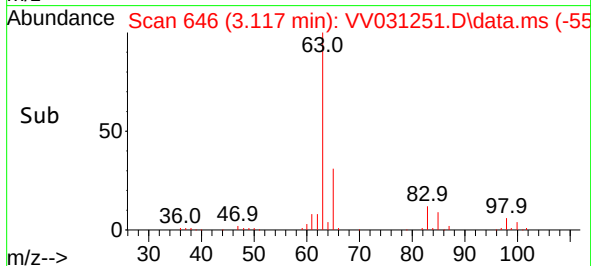
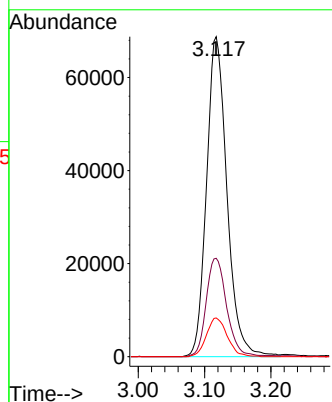
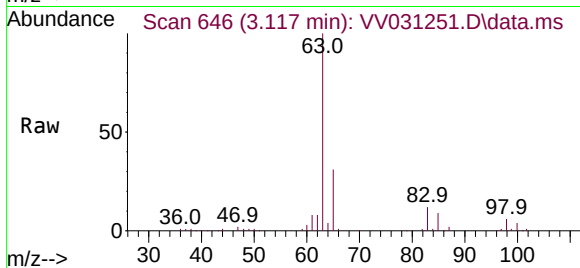
Tgt Ion: 63 Resp: 147455

Ion Ratio Lower Upper

63 100

65 30.7 22.4 41.6

83 12.1 9.0 16.6



#21

2-Butanone

Concen: 49.861 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.013 min

Lab File: VV031251.D

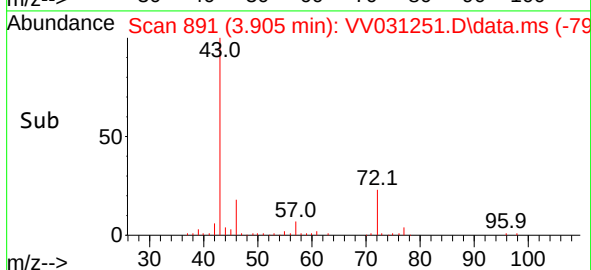
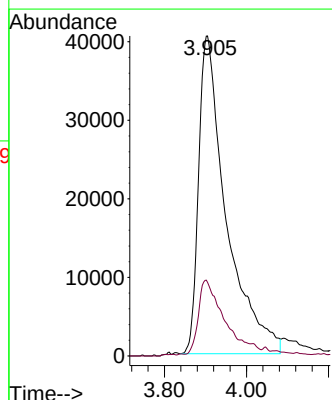
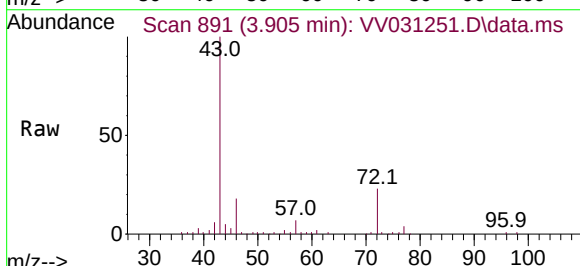
Acq: 26 May 2023 16:49

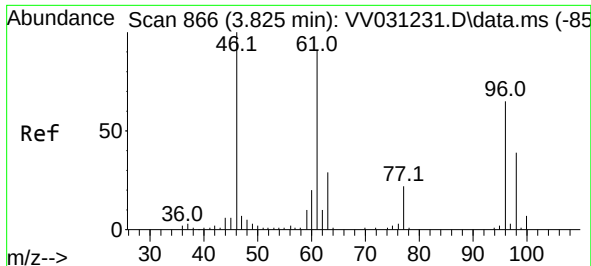
Tgt Ion: 43 Resp: 189069

Ion Ratio Lower Upper

43 100

72 21.8 10.3 30.9

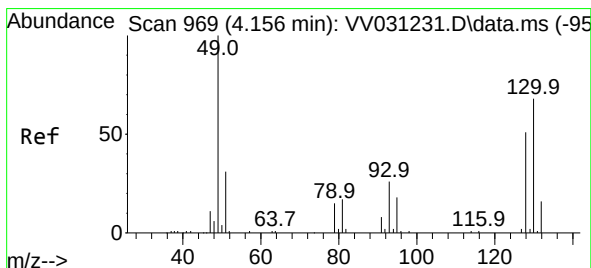
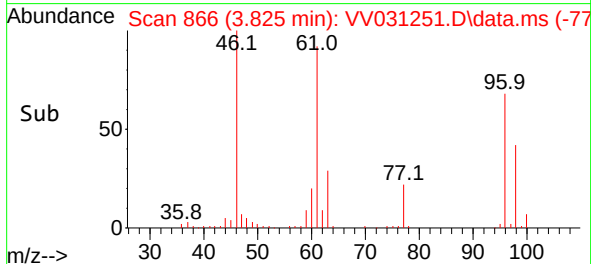
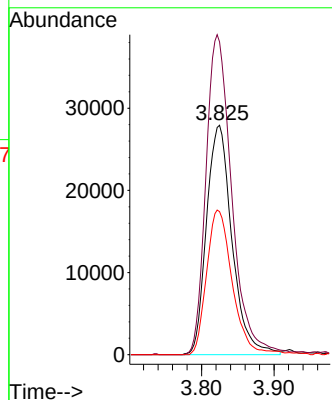
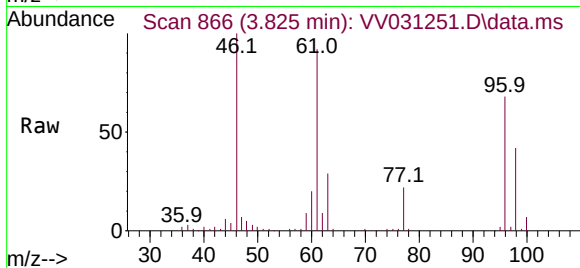




#22
 cis-1,2-Dichloroethene
 Concen: 4.928 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. 0.000 min
 Lab File: VV031251.D
 Acq: 26 May 2023 16:49

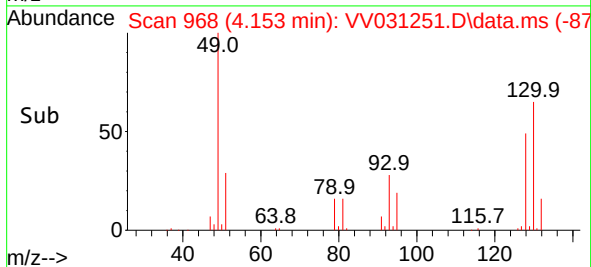
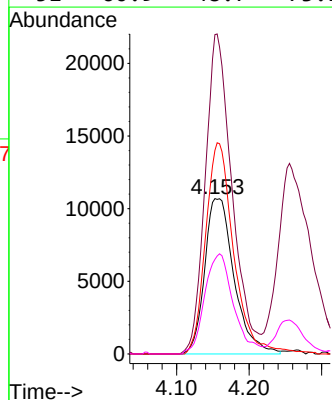
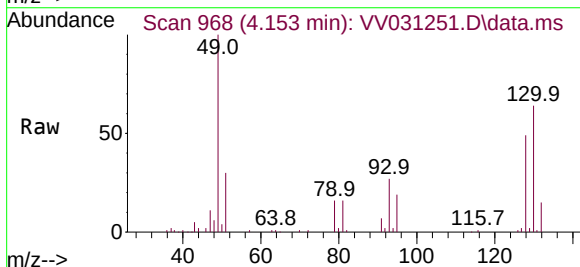
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005359

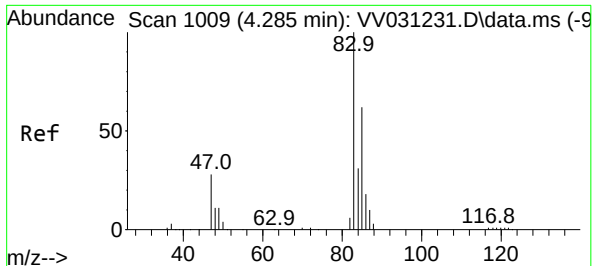
Tgt Ion: 96 Resp: 68353
 Ion Ratio Lower Upper
 96 100
 61 136.4 98.2 182.4
 98 62.4 42.8 79.6



#23
 Bromochloromethane
 Concen: 4.877 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. -0.003 min
 Lab File: VV031251.D
 Acq: 26 May 2023 16:49

Tgt Ion: 128 Resp: 30140
 Ion Ratio Lower Upper
 128 100
 49 205.6 136.2 253.0
 130 131.0 92.0 170.9
 51 60.9 48.7 73.1

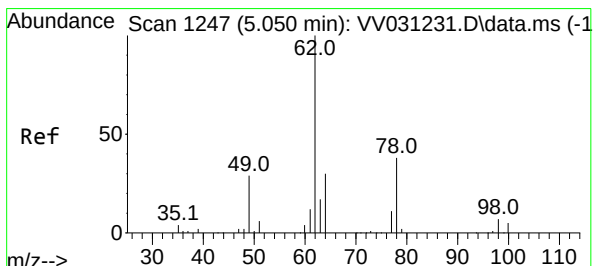
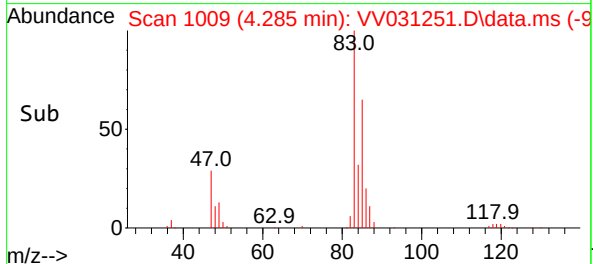
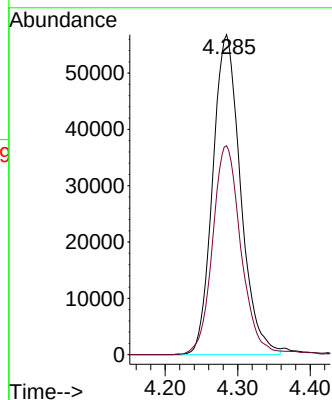
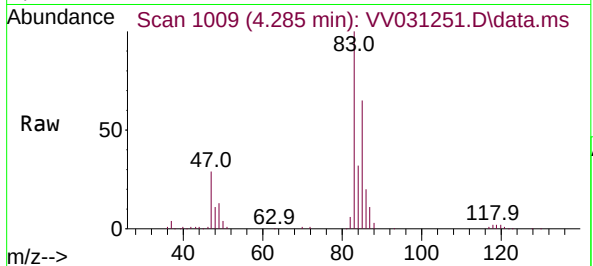




#25
Chloroform
Concen: 4.974 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. 0.000 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

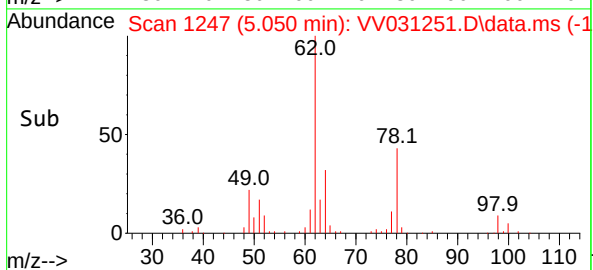
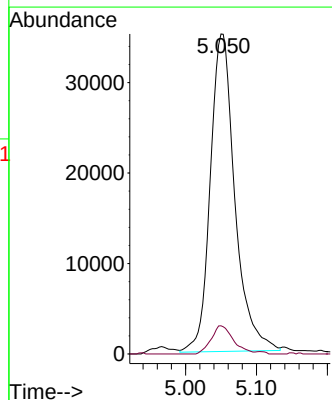
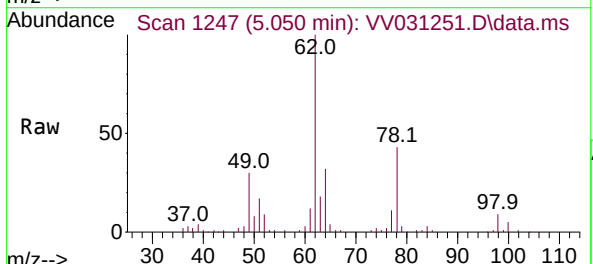
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

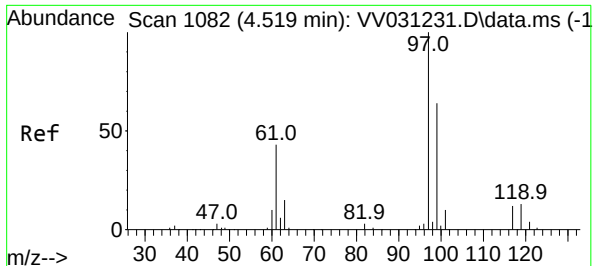
Tgt Ion: 83 Resp: 151492
Ion Ratio Lower Upper
83 100
85 65.3 43.4 80.6



#27
1,2-Dichloroethane
Concen: 4.898 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.000 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

Tgt Ion: 62 Resp: 84666
Ion Ratio Lower Upper
62 100
98 8.8 5.4 8.2#





#29

1,1,1-Trichloroethane

Concen: 6.148 ug/L

RT: 4.516 min Scan# 1104

Delta R.T. -0.003 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

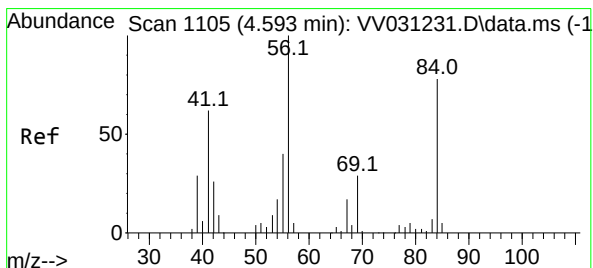
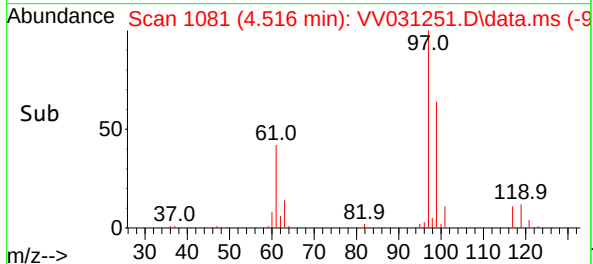
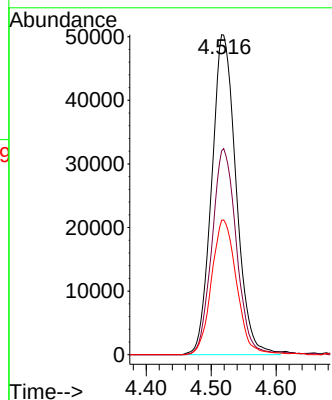
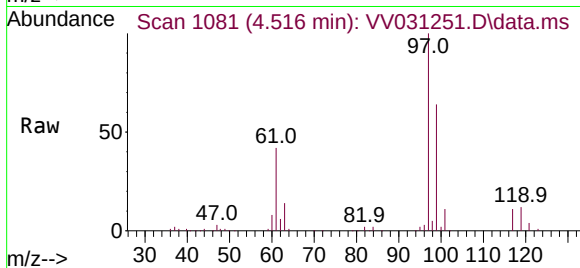
Tgt Ion: 97 Resp: 131211

Ion Ratio Lower Upper

97 100

99 64.3 50.6 75.8

61 43.3 35.5 53.3



#30

Cyclohexane

Concen: 6.155 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.003 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

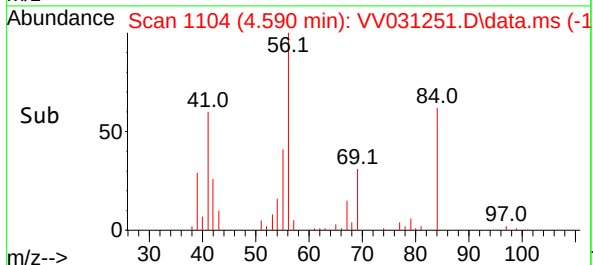
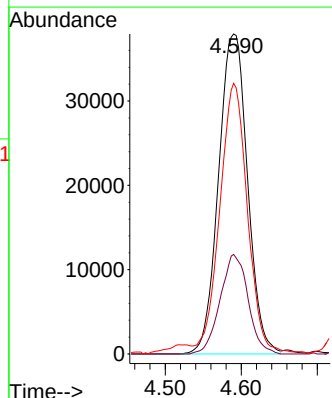
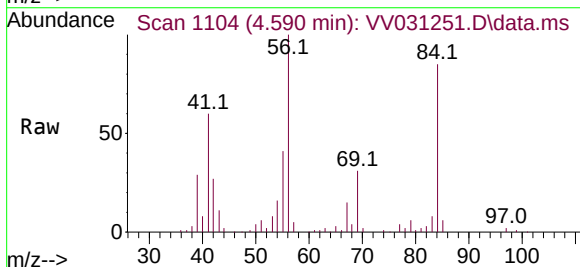
Tgt Ion: 56 Resp: 100554

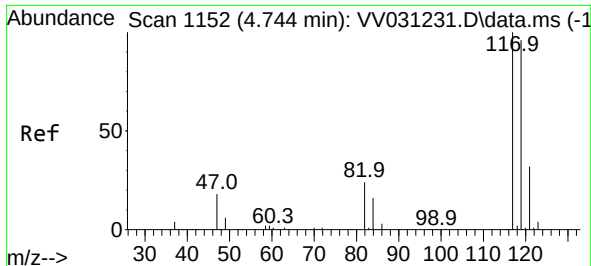
Ion Ratio Lower Upper

56 100

69 30.0 24.0 36.0

84 79.6 62.5 93.7

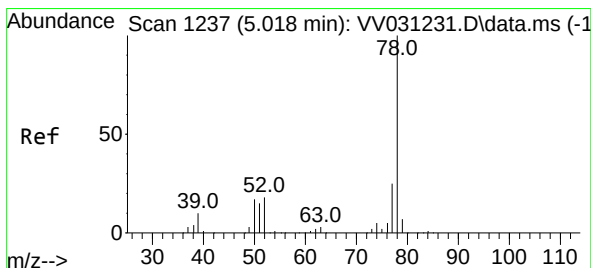
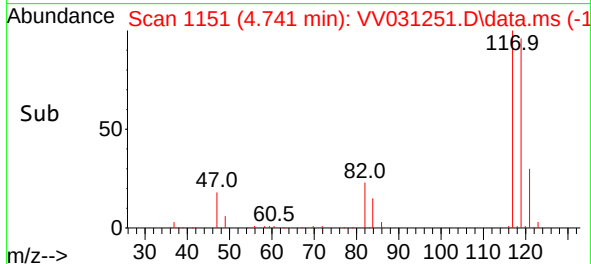
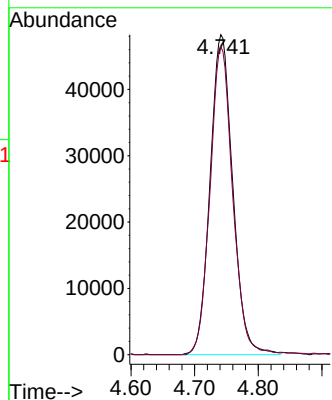
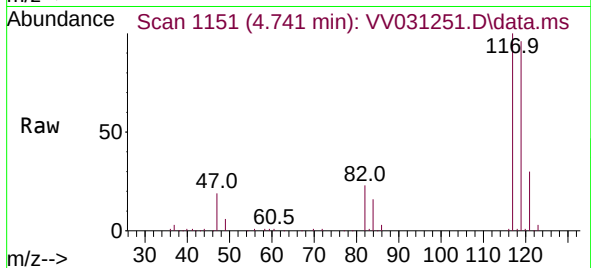




#31
Carbon tetrachloride
Concen: 6.494 ug/L
RT: 4.741 min Scan# 1152
Delta R.T. -0.003 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

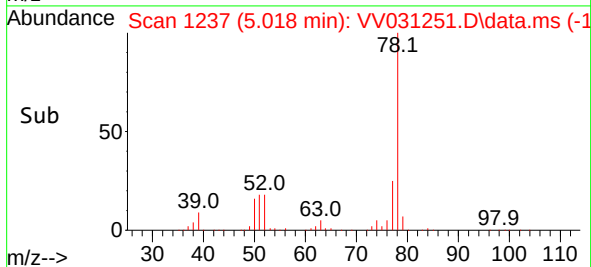
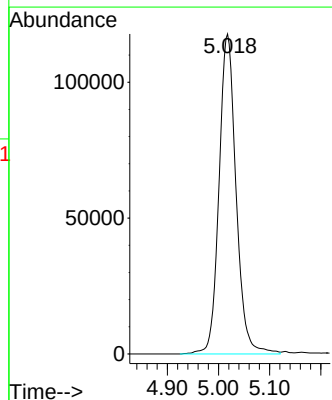
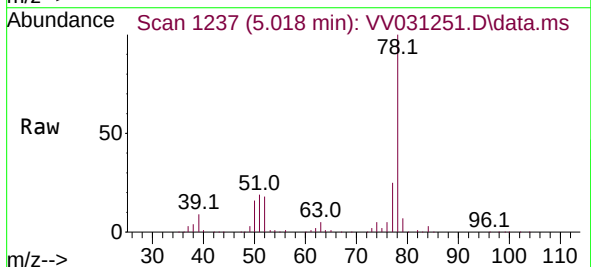
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

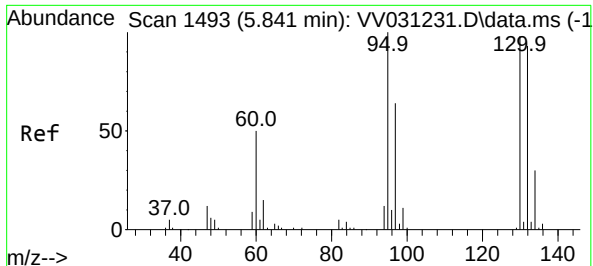
Tgt Ion:117 Resp: 119514
Ion Ratio Lower Upper
117 100
119 95.4 77.5 116.3



#33
Benzene
Concen: 6.394 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

Tgt Ion: 78 Resp: 272909



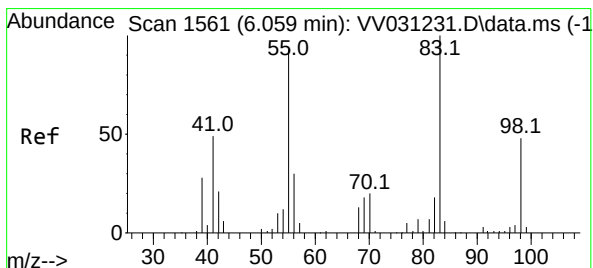
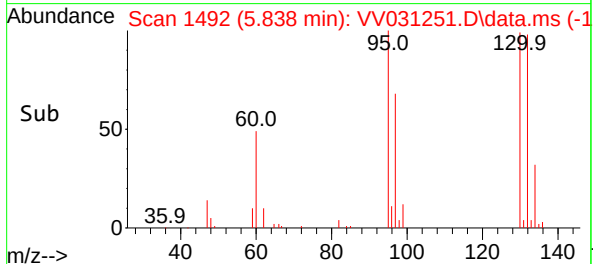
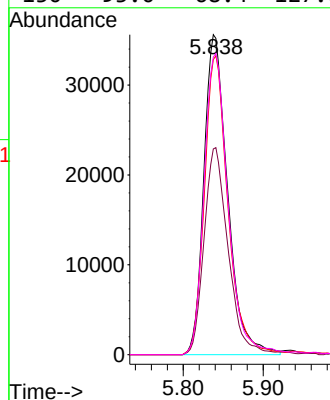
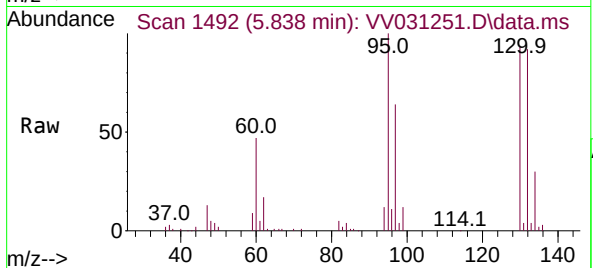


#34
Trichloroethene
Concen: 6.418 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

Tgt Ion: 95 Resp: 73595

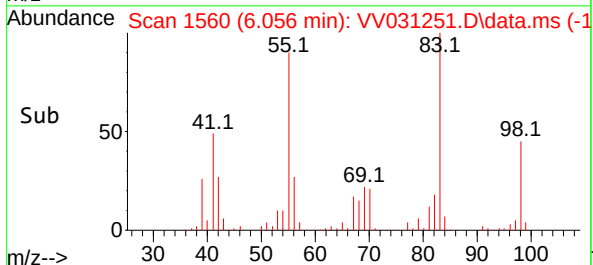
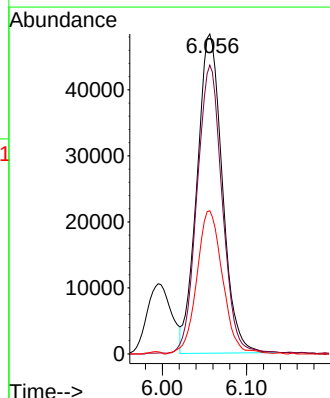
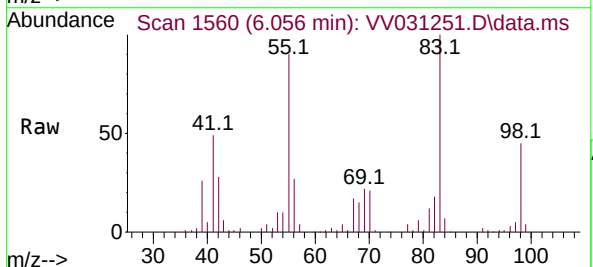
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.8	83.2
132	92.2	64.8	120.4
130	93.0	68.4	127.0

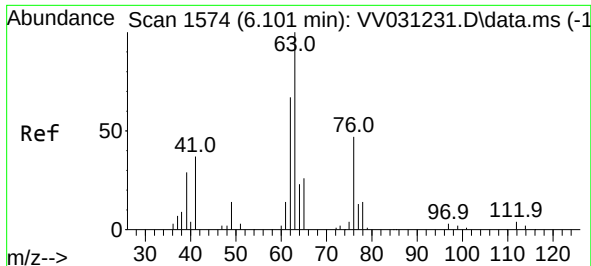


#35
Methylcyclohexane
Concen: 6.374 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.003 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

Tgt Ion: 83 Resp: 101025

Ion	Ratio	Lower	Upper
83	100		
55	89.5	74.4	111.6
98	45.6	38.2	57.2





#37

1,2-Dichloropropane

Concen: 6.368 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

Instrument :

MSVOA_V

ClientSampleId :

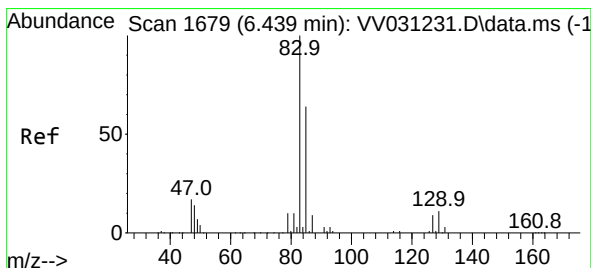
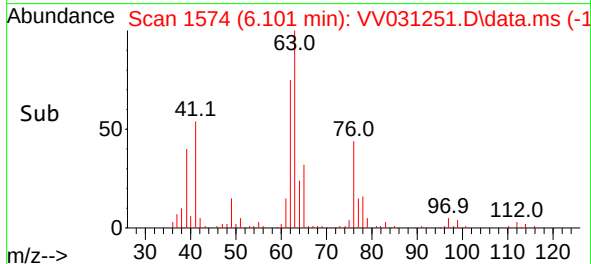
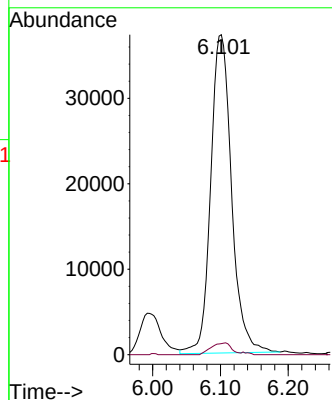
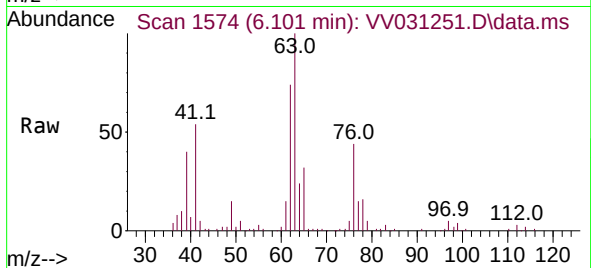
VSTD005359

Tgt Ion: 63 Resp: 79625

Ion Ratio Lower Upper

63 100

112 3.6 3.2 4.8



#38

Bromodichloromethane

Concen: 5.987 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

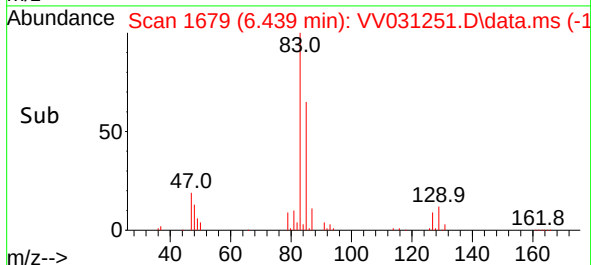
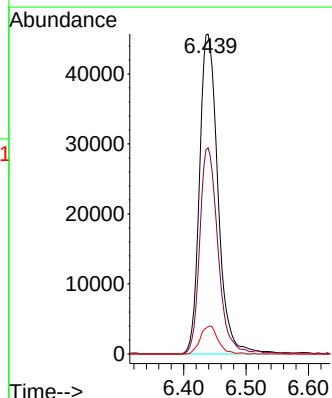
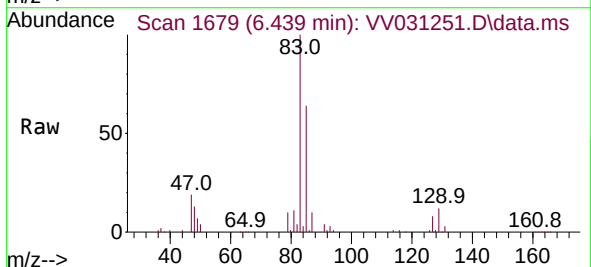
Tgt Ion: 83 Resp: 93826

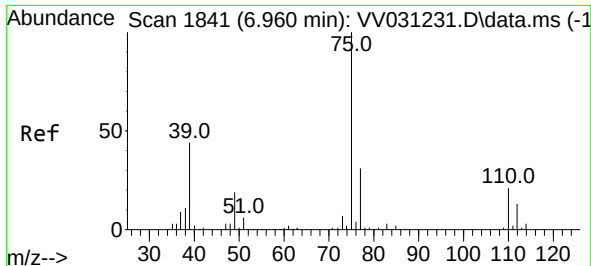
Ion Ratio Lower Upper

83 100

85 64.5 44.7 82.9

127 8.5 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.063 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

Instrument :

MSVOA_V

ClientSampleId :

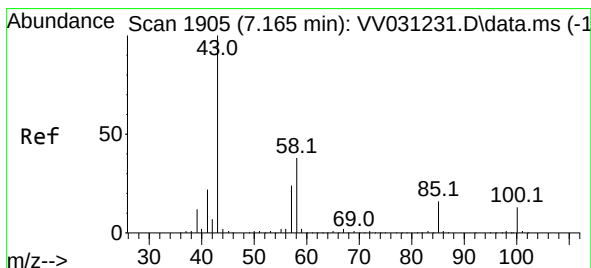
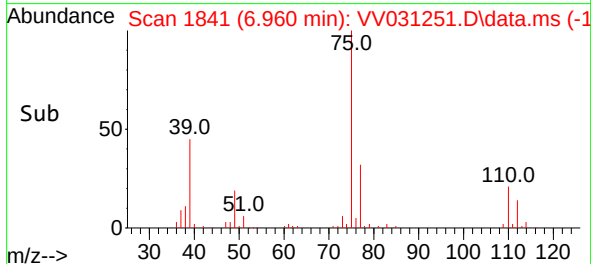
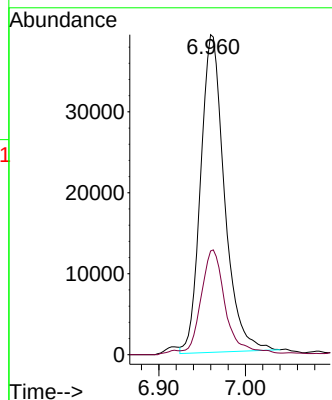
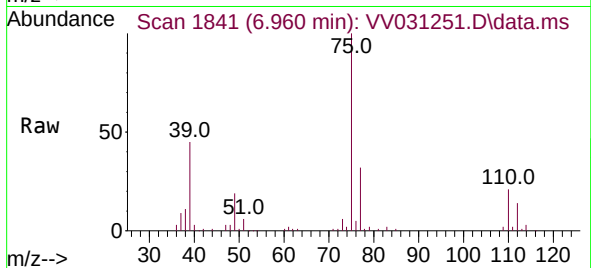
VSTD005359

Tgt Ion: 75 Resp: 75021

Ion Ratio Lower Upper

75 100

77 32.4 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 56.541 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.003 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

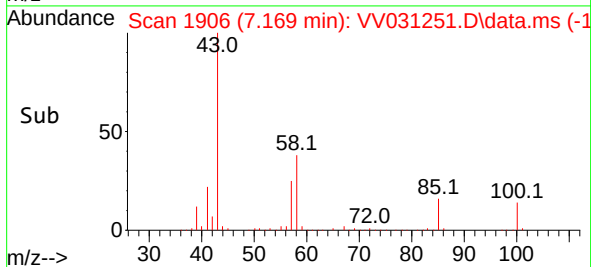
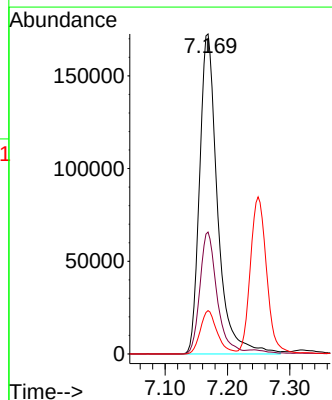
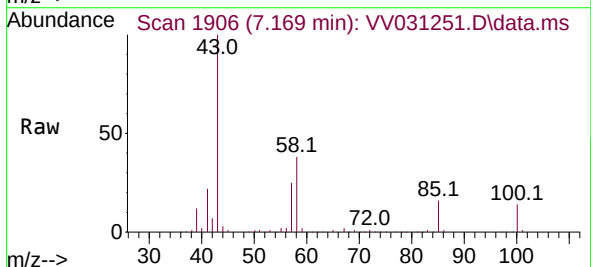
Tgt Ion: 43 Resp: 346266

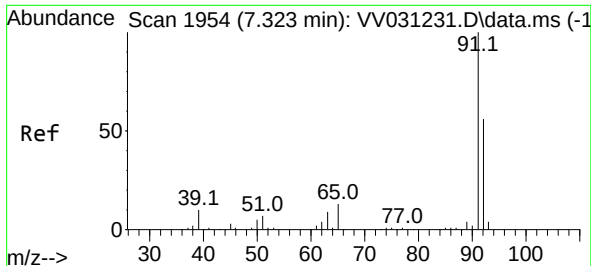
Ion Ratio Lower Upper

43 100

58 36.3 29.1 43.7

100 12.8 9.9 14.9





#42

Toluene

Concen: 6.460 ug/L

RT: 7.320 min Scan# 1954

Delta R.T. -0.003 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

Instrument :

MSVOA_V

ClientSampleId :

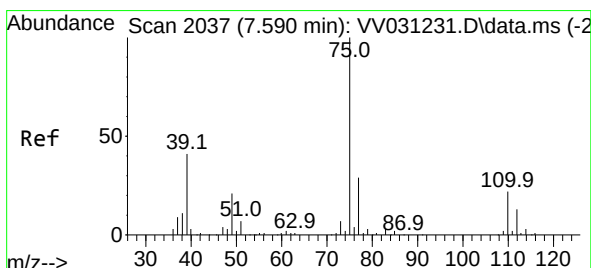
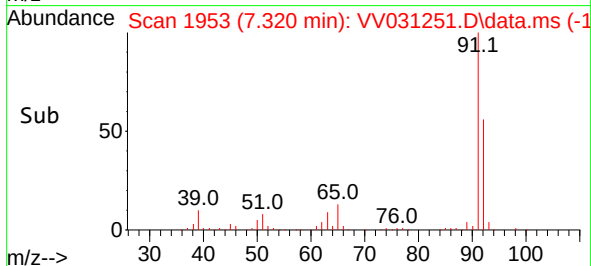
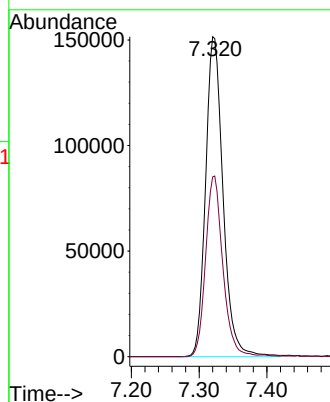
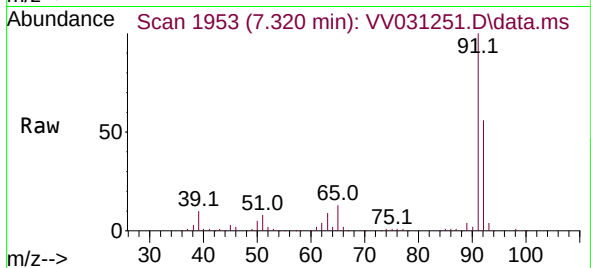
VSTD005359

Tgt Ion: 91 Resp: 270890

Ion Ratio Lower Upper

91 100

92 56.2 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 6.278 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.003 min

Lab File: VV031251.D

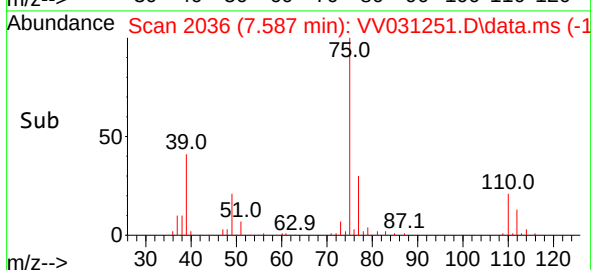
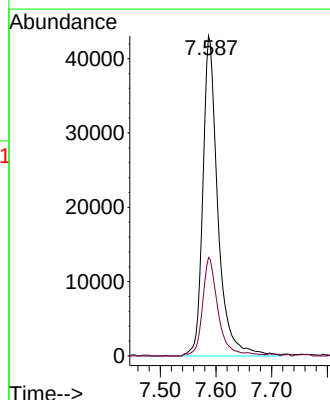
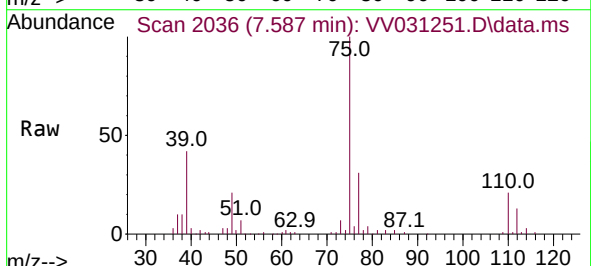
Acq: 26 May 2023 16:49

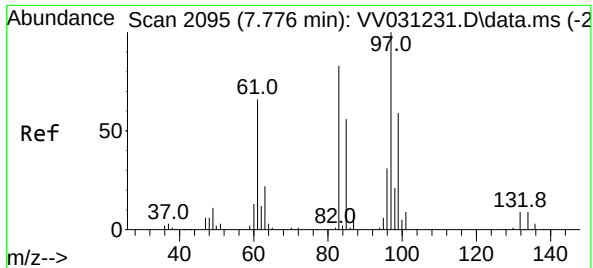
Tgt Ion: 75 Resp: 80692

Ion Ratio Lower Upper

75 100

77 30.8 20.4 38.0

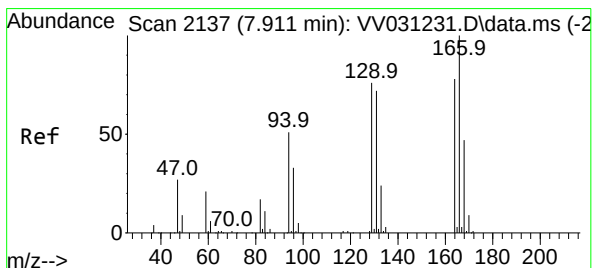
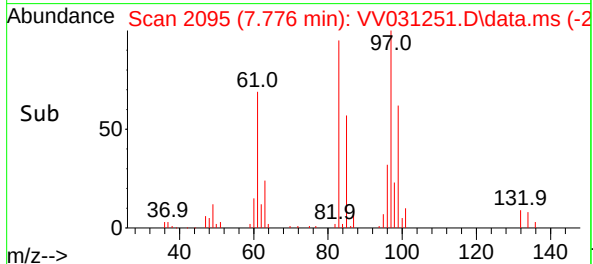
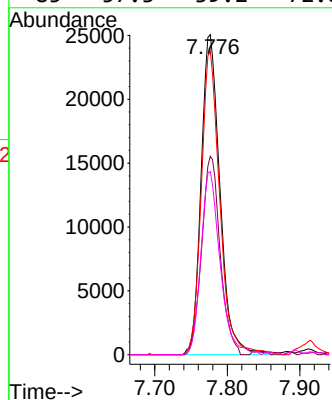
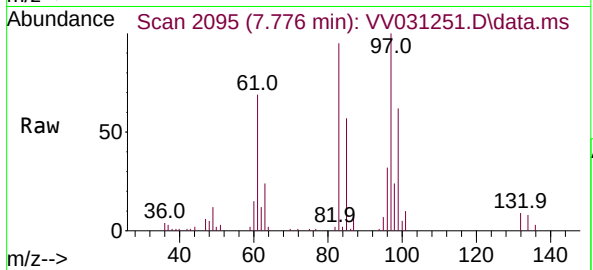




#45
1,1,2-Trichloroethane
Concen: 5.997 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

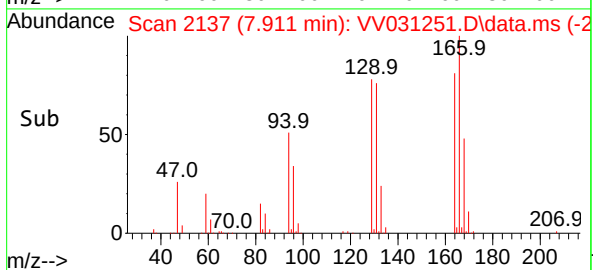
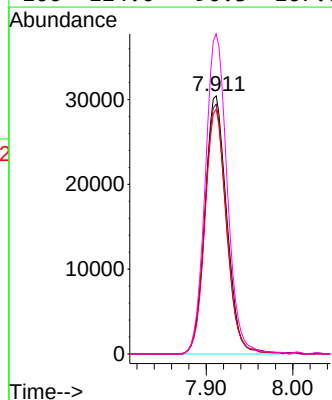
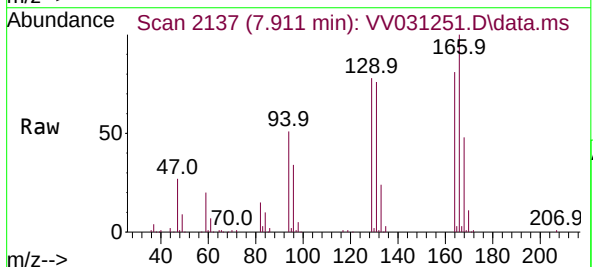
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

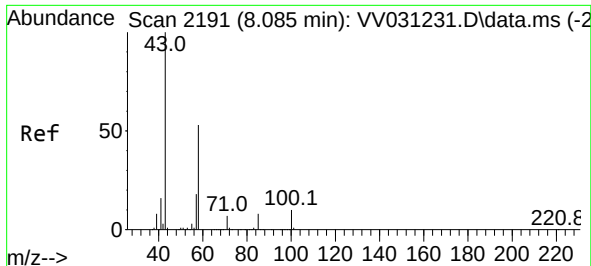
Tgt Ion: 97	Resp: 45346
Ion Ratio	Lower Upper
97 100	
99 62.0	41.2 76.4
83 94.8	58.2 108.0
85 57.3	39.2 72.8



#47
Tetrachloroethene
Concen: 6.416 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

Tgt	Ion:164	Resp:	53324
Ion	Ratio	Lower	Upper
164	100		
129	96.8	68.7	127.5
131	94.8	64.7	120.1
166	124.0	90.3	167.7

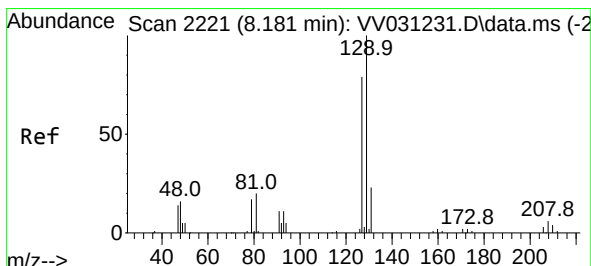
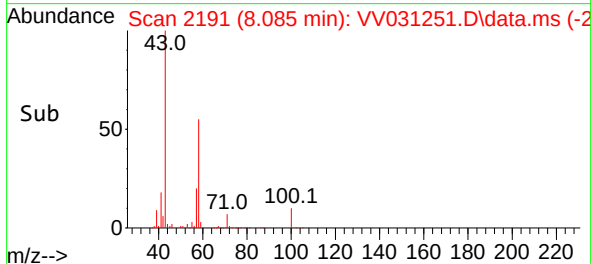
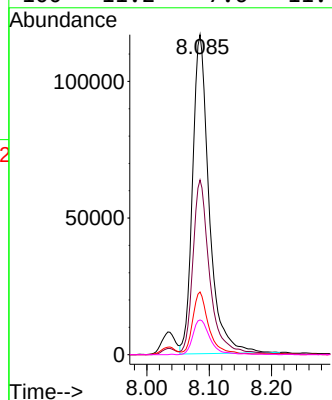
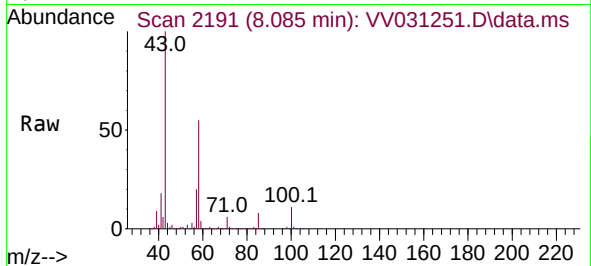




#48
2-Hexanone
Concen: 45.339 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. 0.000 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

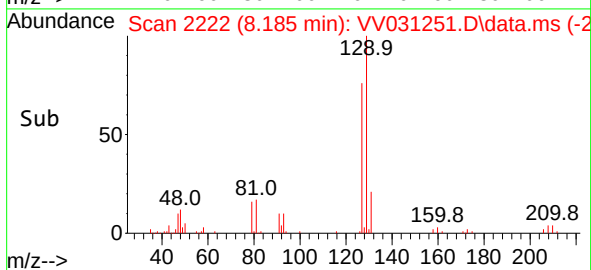
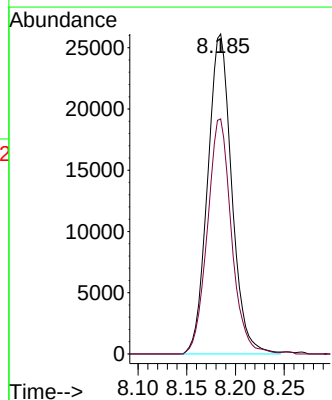
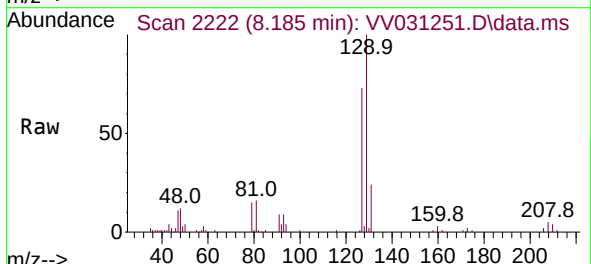
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

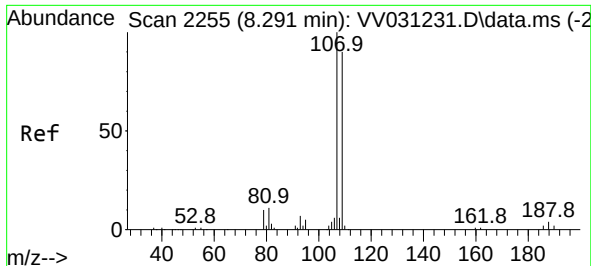
Tgt Ion: 43 Resp: 215597
Ion Ratio Lower Upper
43 100
58 54.9 41.4 62.0
57 18.7 14.1 21.1
100 11.2 7.6 11.4



#49
Dibromochloromethane
Concen: 4.946 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

Tgt Ion: 129 Resp: 44934
Ion Ratio Lower Upper
129 100
127 73.5 55.0 102.2





#50

1,2-Dibromoethane

Concen: 4.477 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

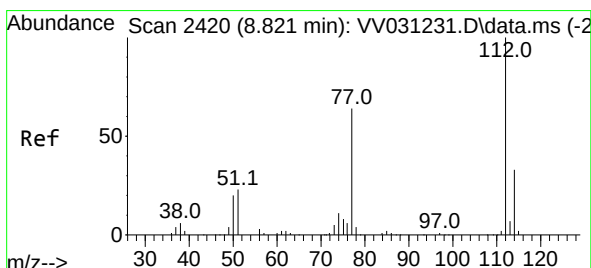
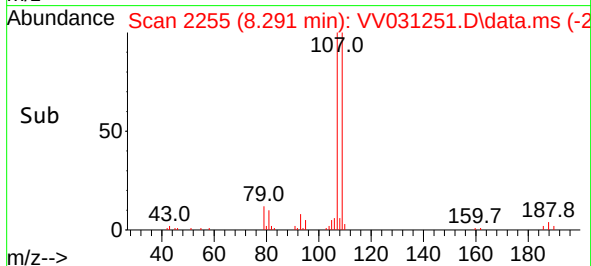
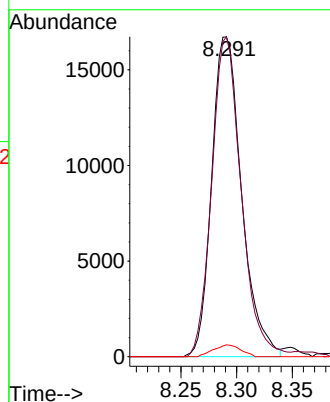
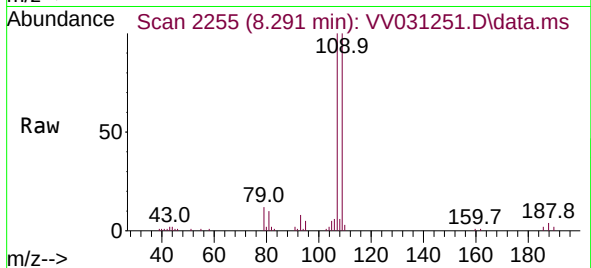
Tgt Ion:107 Resp: 31250

Ion Ratio Lower Upper

107 100

109 100.1 62.8 116.6

188 3.7 3.2 4.8



#51

Chlorobenzene

Concen: 4.836 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

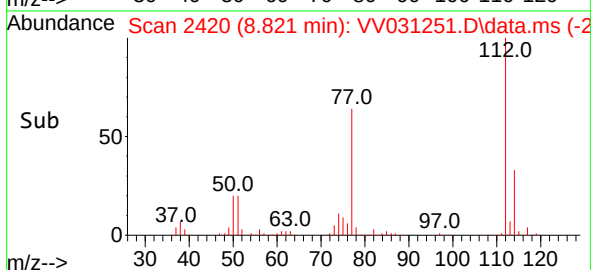
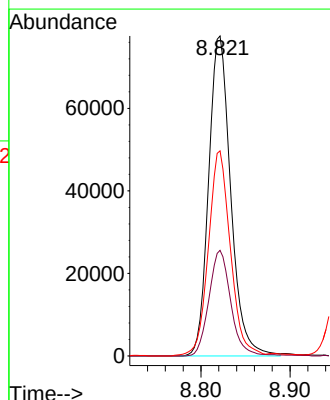
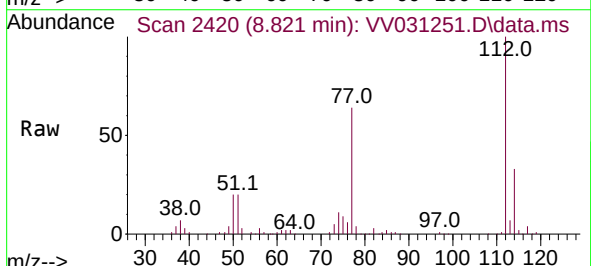
Tgt Ion:112 Resp: 133393

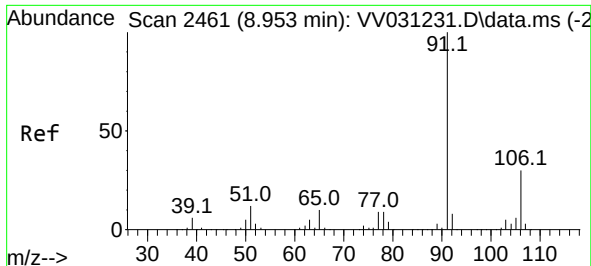
Ion Ratio Lower Upper

112 100

114 33.0 22.8 42.4

77 64.1 51.7 77.5





#52

Ethylbenzene

Concen: 4.999 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.000 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

Instrument :

MSVOA_V

ClientSampleId :

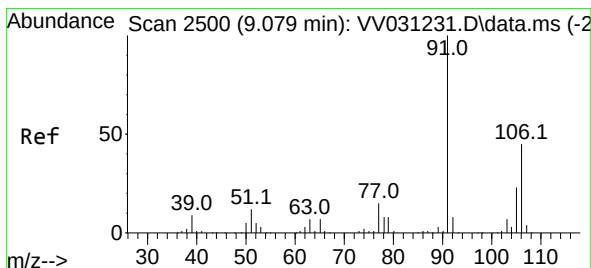
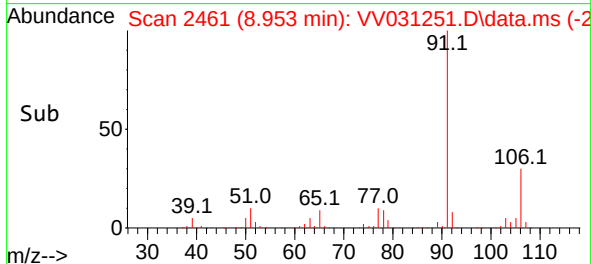
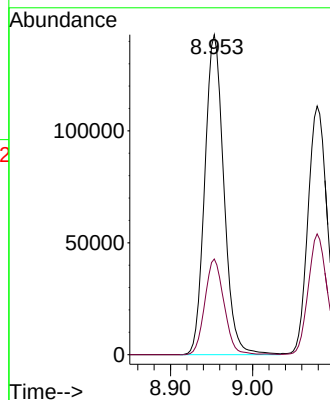
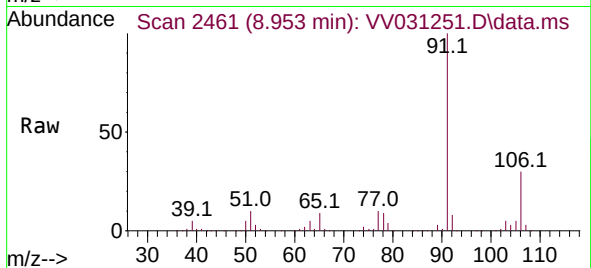
VSTD005359

Tgt Ion: 91 Resp: 231122

Ion Ratio Lower Upper

91 100

106 29.9 21.1 39.1



#53

m,p-Xylene

Concen: 5.139 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV031251.D

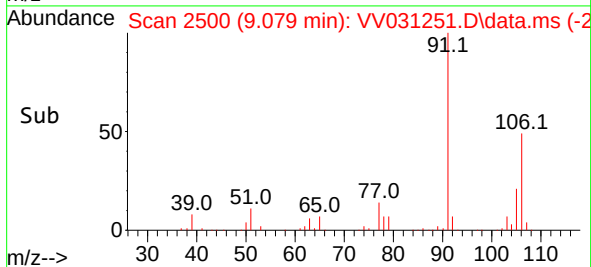
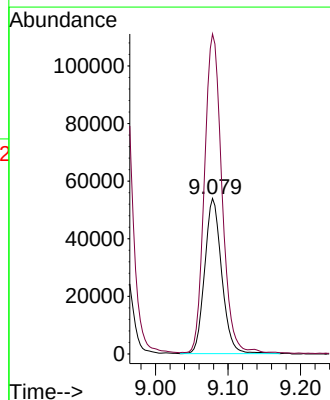
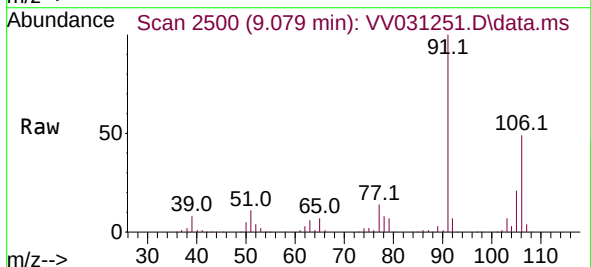
Acq: 26 May 2023 16:49

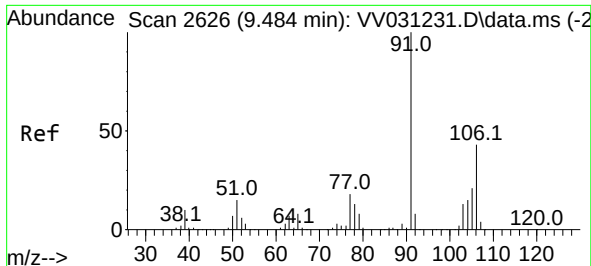
Tgt Ion:106 Resp: 87804

Ion Ratio Lower Upper

106 100

91 205.8 154.7 287.3

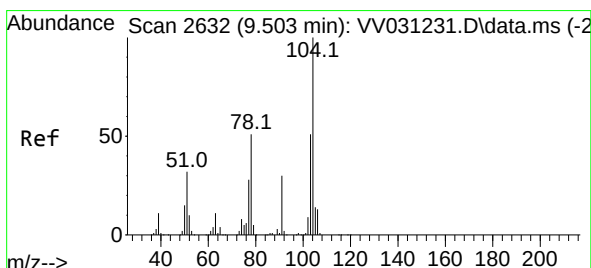
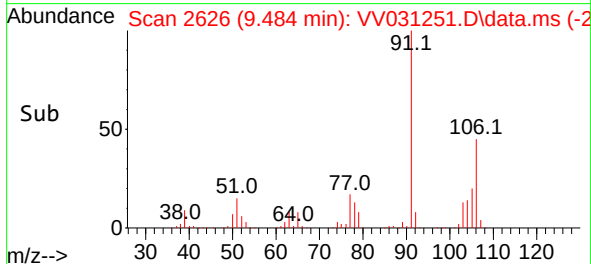
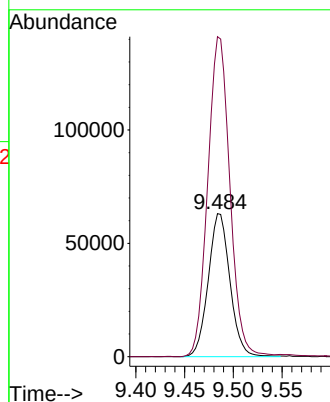
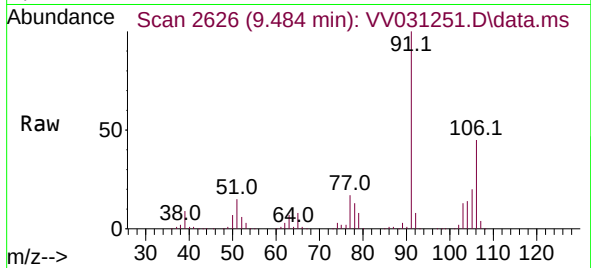




#54
o-Xylene
Concen: 6.010 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

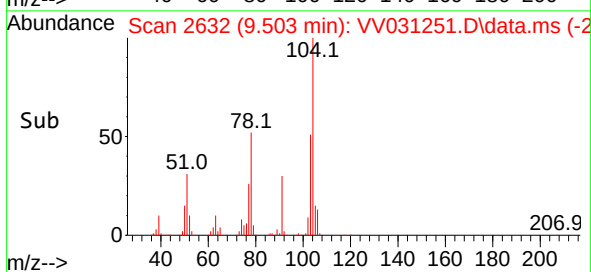
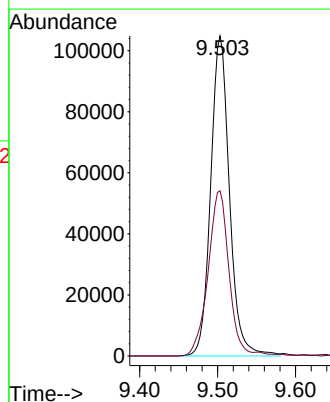
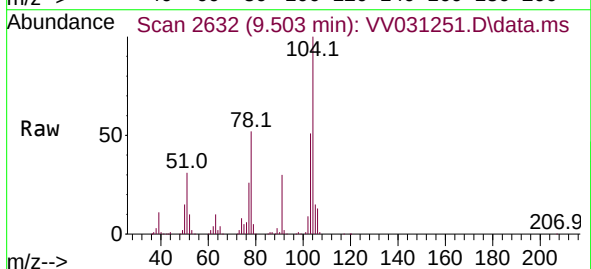
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

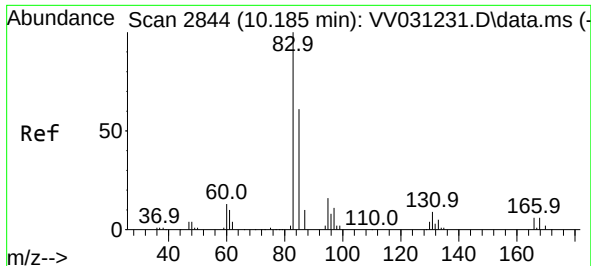
Tgt Ion:106 Resp: 97757
Ion Ratio Lower Upper
106 100
91 223.6 161.3 299.7



#55
Styrene
Concen: 6.124 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

Tgt Ion:104 Resp: 175655
Ion Ratio Lower Upper
104 100
78 51.6 35.6 66.0





#57

1,1,2,2-Tetrachloroethane

Concen: 6.142 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

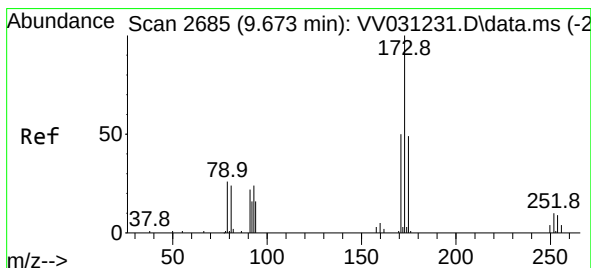
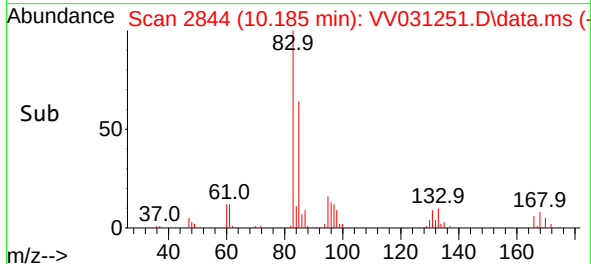
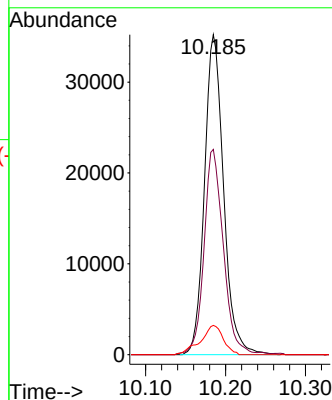
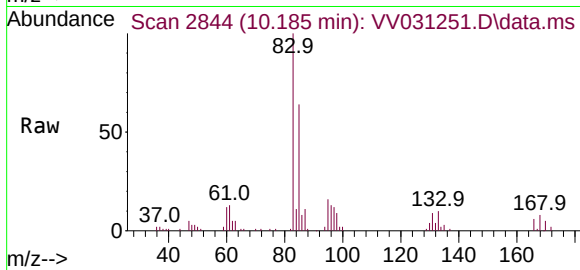
Tgt Ion: 83 Resp: 58618

Ion Ratio Lower Upper

83 100

85 64.1 43.0 80.0

131 9.1 7.6 11.4



#59

Bromoform

Concen: 5.048 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.003 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

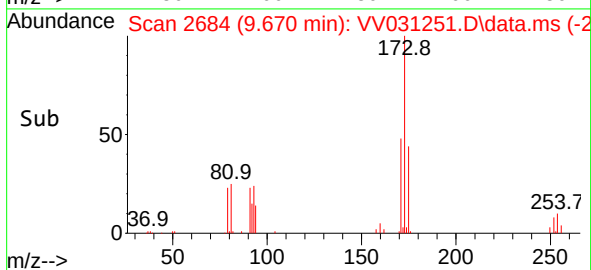
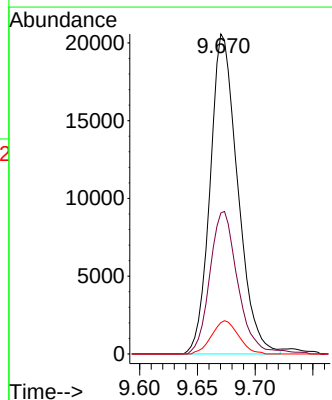
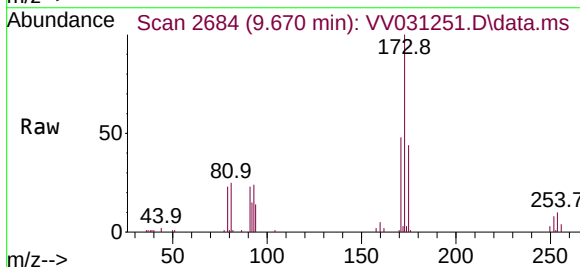
Tgt Ion: 173 Resp: 34172

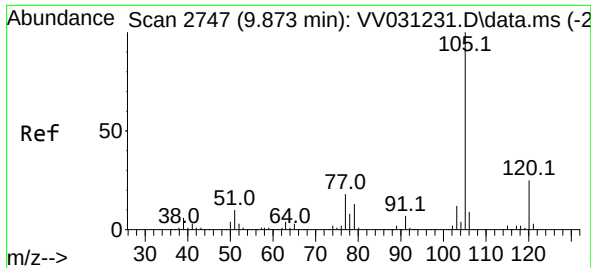
Ion Ratio Lower Upper

173 100

175 45.4 39.0 58.4

254 10.1 7.9 11.9

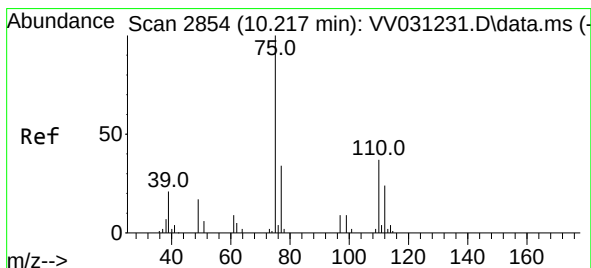
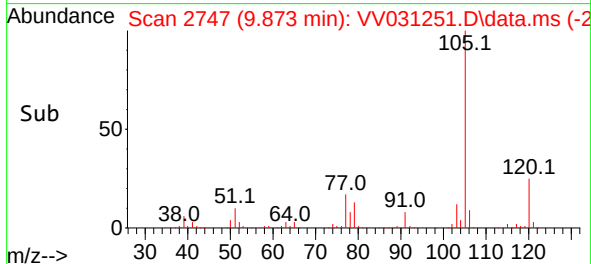
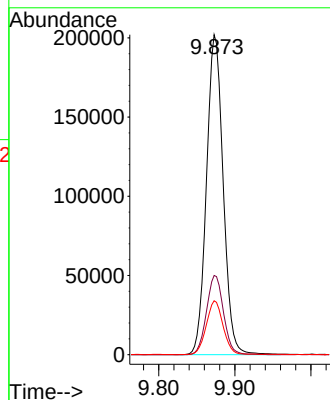
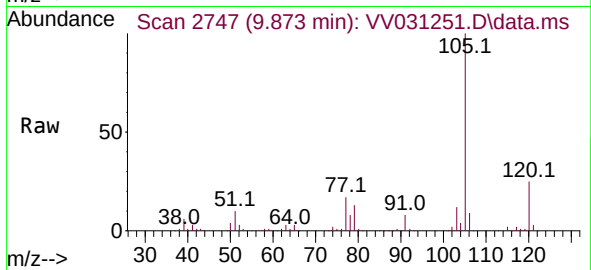




#60
Isopropylbenzene
Concen: 5.054 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

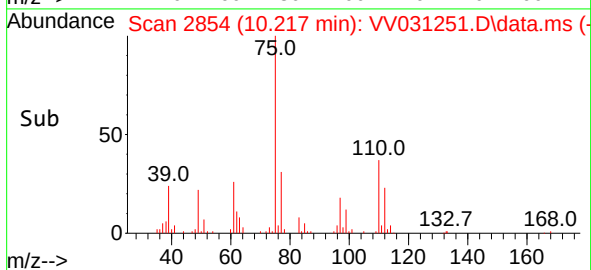
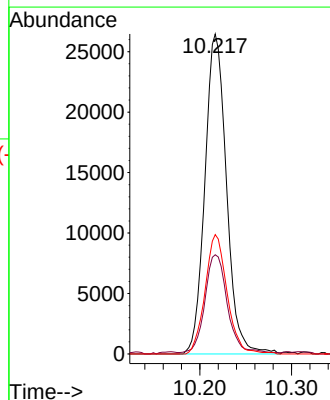
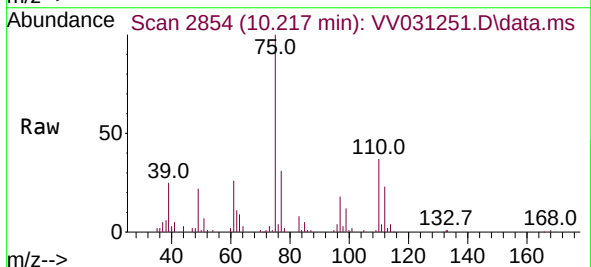
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

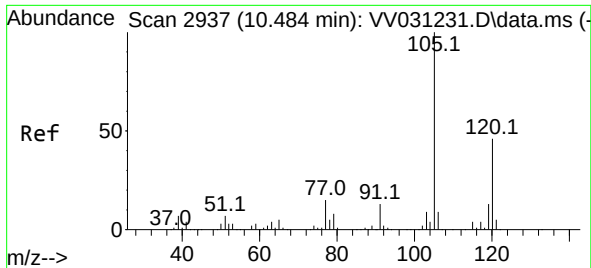
Tgt Ion:105 Resp: 308055
Ion Ratio Lower Upper
105 100
120 25.2 19.9 29.9
77 17.0 13.9 20.9



#61
1,2,3-Trichloropropane
Concen: 4.746 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

Tgt Ion: 75 Resp: 43368
Ion Ratio Lower Upper
75 100
77 31.3 26.6 40.0
110 37.9 29.8 44.8

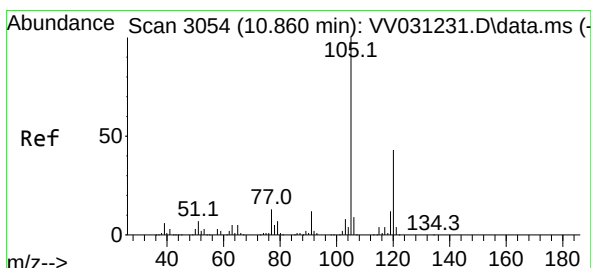
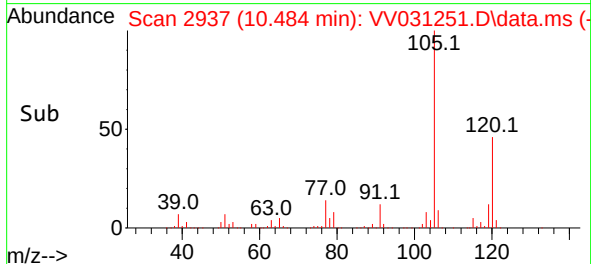
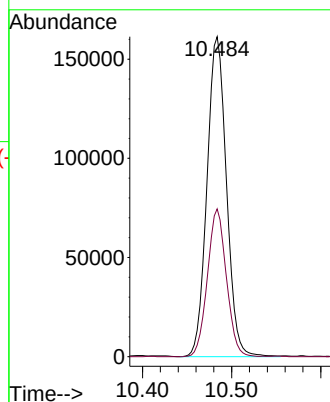
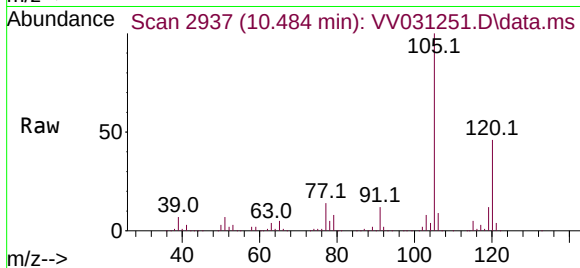




#62
 1,3,5-Trimethylbenzene
 Concen: 4.949 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031251.D
 Acq: 26 May 2023 16:49

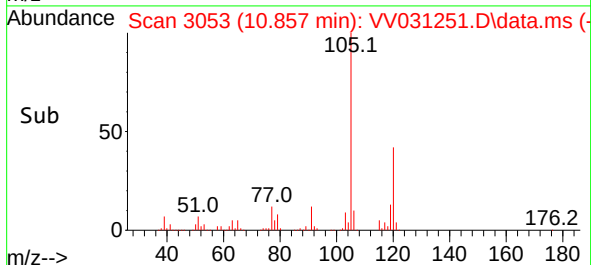
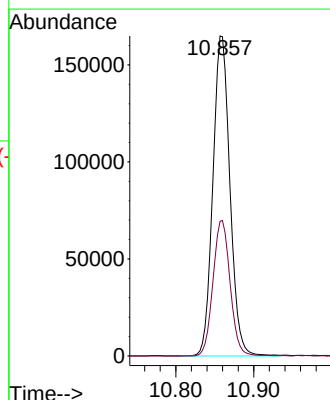
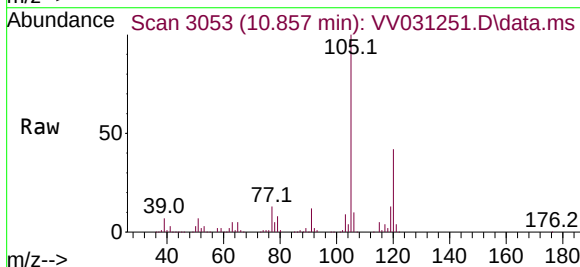
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005359

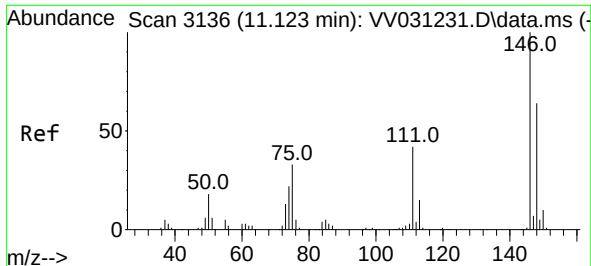
Tgt Ion:105 Resp: 244589
 Ion Ratio Lower Upper
 105 100
 120 44.9 36.6 55.0



#63
 1,2,4-Trimethylbenzene
 Concen: 4.968 ug/L
 RT: 10.857 min Scan# 3053
 Delta R.T. -0.003 min
 Lab File: VV031251.D
 Acq: 26 May 2023 16:49

Tgt Ion:105 Resp: 251389
 Ion Ratio Lower Upper
 105 100
 120 42.6 34.4 51.6

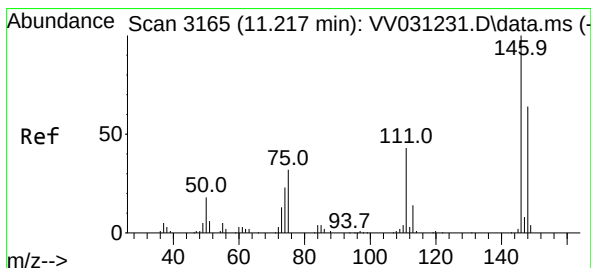
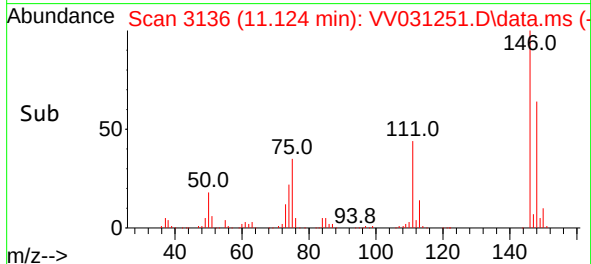
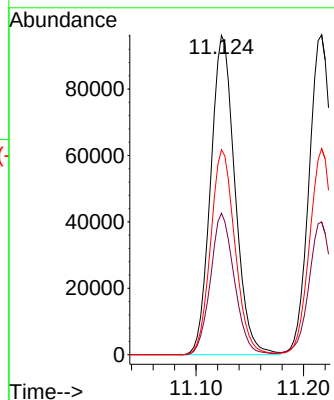
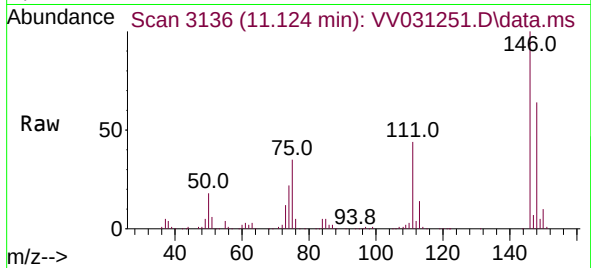




#64
1,3-Dichlorobenzene
Concen: 5.234 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

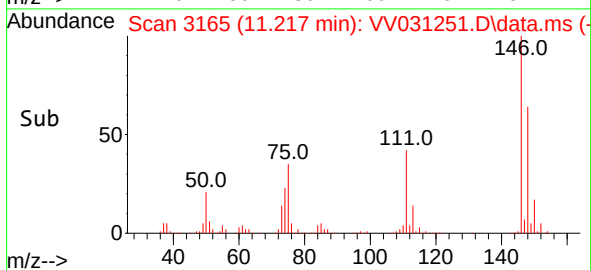
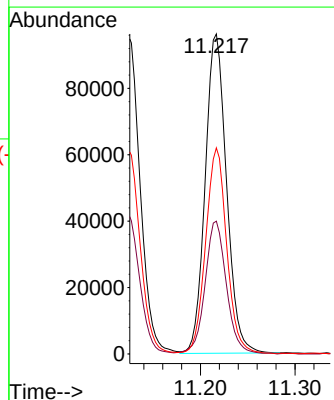
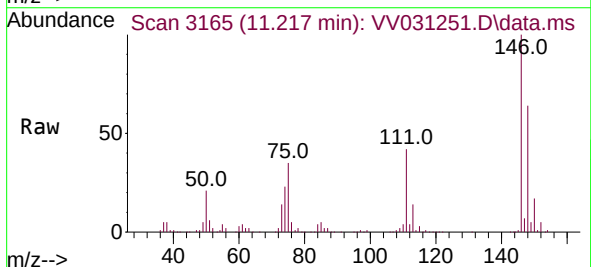
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

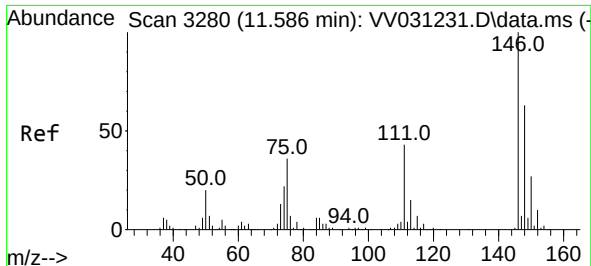
Tgt Ion:146 Resp: 151069
Ion Ratio Lower Upper
146 100
111 44.3 29.5 54.9
148 64.2 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 5.112 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

Tgt Ion:146 Resp: 150956
Ion Ratio Lower Upper
146 100
111 41.5 30.4 56.5
148 64.4 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 4.859 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

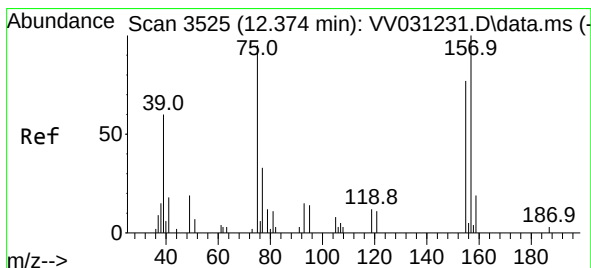
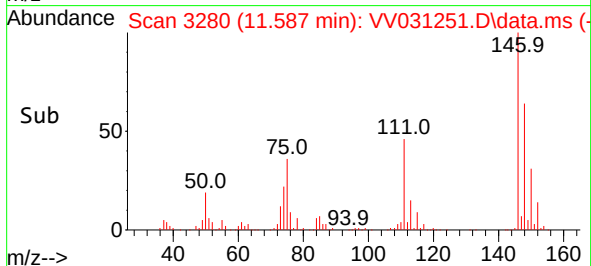
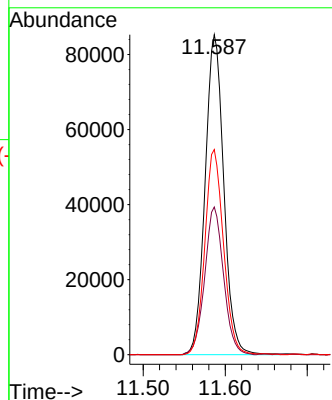
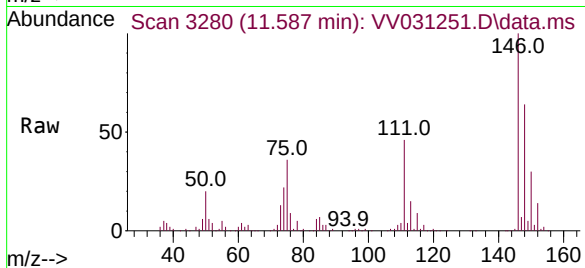
Tgt Ion:146 Resp: 134402

Ion Ratio Lower Upper

146 100

111 46.1 34.3 51.5

148 64.1 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.711 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.000 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

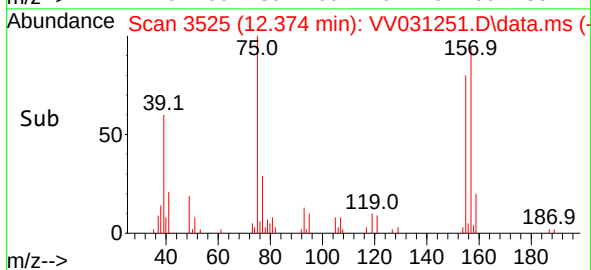
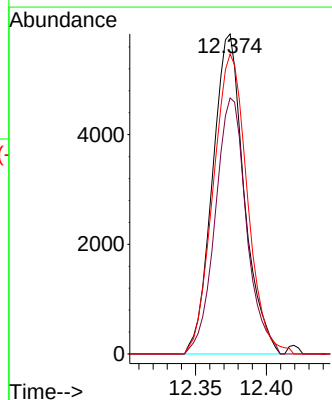
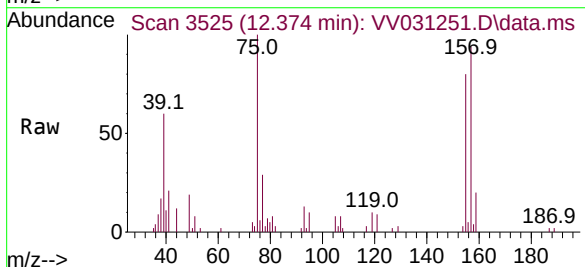
Tgt Ion: 75 Resp: 9072

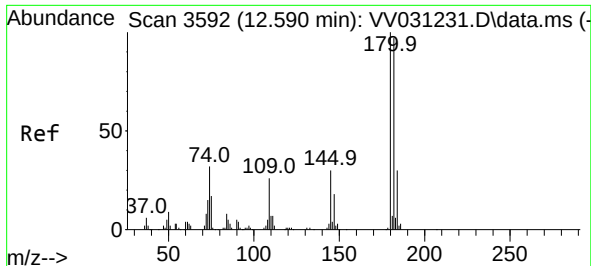
Ion Ratio Lower Upper

75 100

155 80.0 64.6 96.8

157 93.8 84.1 126.1





#69

1,3,5-Trichlorobenzene

Concen: 4.954 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

Tgt Ion:180 Resp: 116116

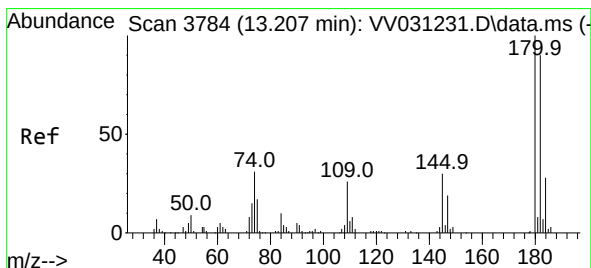
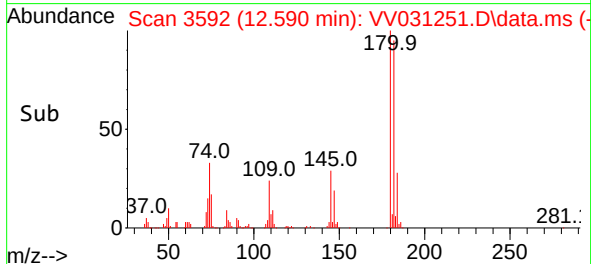
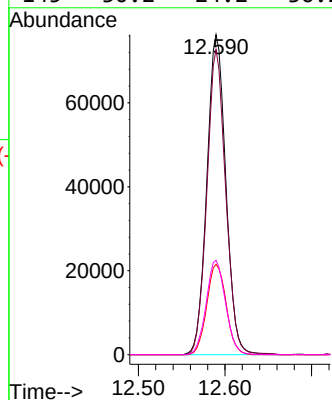
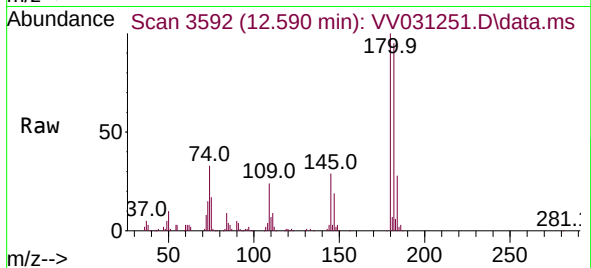
Ion Ratio Lower Upper

180 100

182 94.3 76.6 114.8

184 28.8 24.9 37.3

145 30.2 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 4.586 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV031251.D

Acq: 26 May 2023 16:49

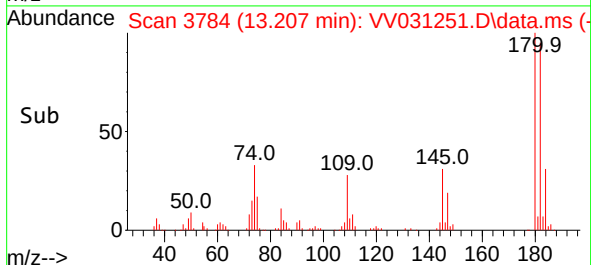
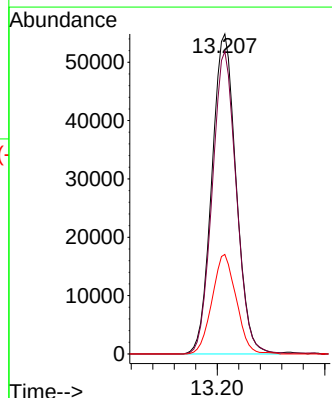
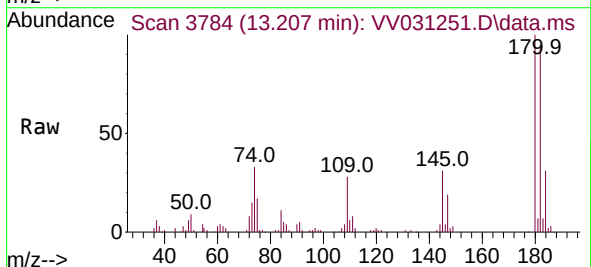
Tgt Ion:180 Resp: 85916

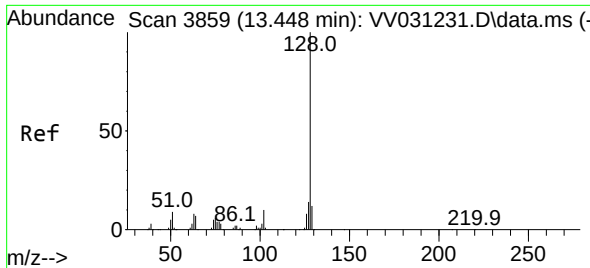
Ion Ratio Lower Upper

180 100

182 93.8 74.8 112.2

145 30.9 24.1 36.1

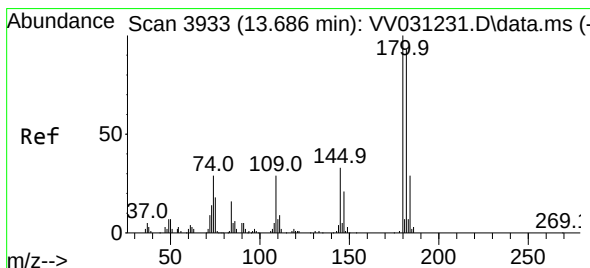
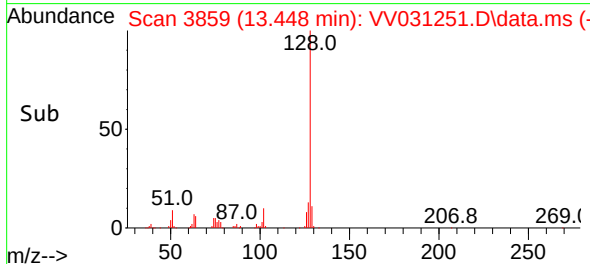
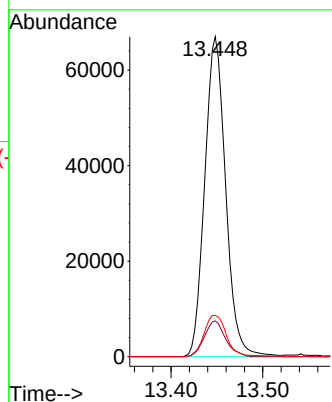
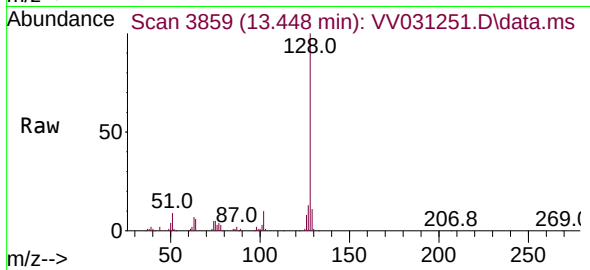




#71
Naphthalene
Concen: 3.833 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

Tgt Ion:128 Resp: 106281
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 14.0 11.5 17.3



#72
1,2,3-Trichlorobenzene
Concen: 4.658 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.003 min
Lab File: VV031251.D
Acq: 26 May 2023 16:49

Tgt Ion:180 Resp: 75059
Ion Ratio Lower Upper
180 100
182 95.7 77.6 116.4
145 33.6 26.9 40.3

