

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111422\
 Data File : VV028952.D
 Acq On : 14 Nov 2022 20:50
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005345

Quant Time: Nov 15 00:08:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 15 00:01:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	290132	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	268887	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	139760	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	75131	4.248	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.000%
7) Chloroethane-d5	1.568	69	71019	4.567	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.400%
11) 1,1-Dichloroethene-d2	2.111	63	148761	4.615	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.400%
20) 2-Butanone-d5	3.892	46	174514	58.940	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.880%
24) Chloroform-d	4.346	84	178689	4.921	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
26) 1,2-Dichloroethane-d4	5.030	65	77907	4.768	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	5.050	84	366795	4.570	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
36) 1,2-Dichloropropane-d6	6.069	67	106586	4.756	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.200%
41) Toluene-d8	7.313	98	338207	4.681	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	7.622	79	34248	4.685	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.800%
46) 2-Hexanone-d5	8.085	63	162476	52.075	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.160%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	77953	5.017	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.400%
66) 1,2-Dichlorobenzene-d4	11.615	152	120124	4.804	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	124535	5.149	ug/L	98
3) Chloromethane	1.240	50	101849	5.074	ug/L	98
5) Vinyl chloride	1.310	62	114424	4.998	ug/L	99
6) Bromomethane	1.523	94	66311	4.846	ug/L	99
8) Chloroethane	1.587	64	70291	5.224	ug/L	98
9) Trichlorofluoromethane	1.754	101	161344	5.226	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	92584	5.297	ug/L	98
12) 1,1-Dichloroethene	2.117	96	91093	5.186	ug/L	97
13) Acetone	2.185	43	96583	50.709	ug/L	84
14) Carbon disulfide	2.294	76	318086	5.100	ug/L	100
15) Methyl Acetate	2.439	43	27123	5.868	ug/L	96
16) Methylene chloride	2.506	84	110359	4.859	ug/L	96
17) Methyl tert-butyl Ether	2.767	73	206321	5.479	ug/L	99
18) trans-1,2-Dichloroethene	2.760	96	107840	5.294	ug/L	97
19) 1,1-Dichloroethane	3.188	63	172739	5.187	ug/L	98
21) 2-Butanone	3.976	43	166902	56.600	ug/L	84
22) cis-1,2-Dichloroethene	3.908	96	112812	5.447	ug/L	94
23) Bromochloromethane	4.249	128	47011	5.367	ug/L	96
25) Chloroform	4.374	83	184328	5.280	ug/L	98

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 Data File : VV028952.D
 Acq On : 14 Nov 2022 20:50
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005345

Quant Time: Nov 15 00:08:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 15 00:01:45 2022
 Response via : Initial Calibration

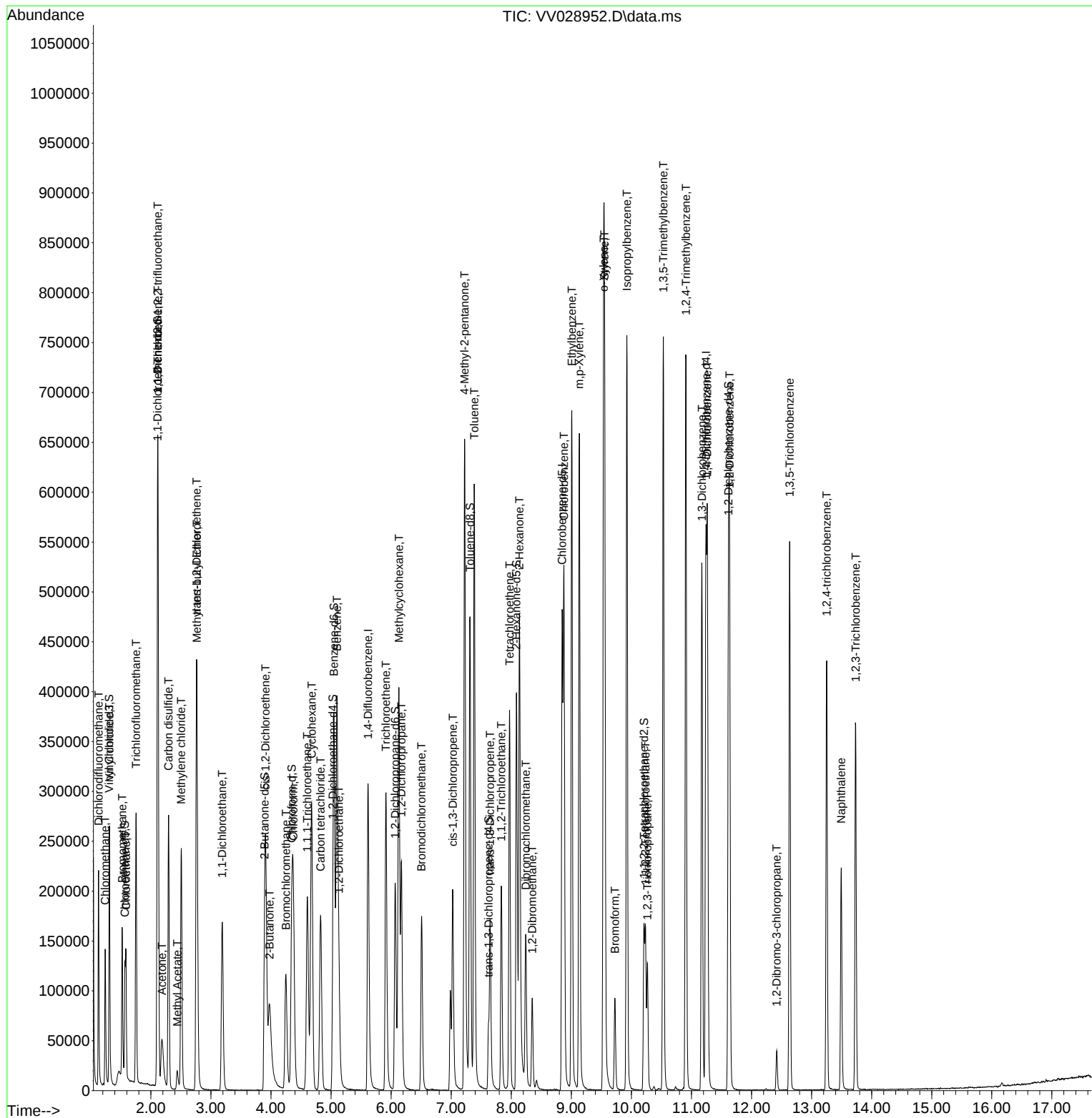
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	95430	5.307	ug/L	97
29) 1,1,1-Trichloroethane	4.606	97	160777	5.096	ug/L	98
30) Cyclohexane	4.677	56	162333	5.062	ug/L	99
31) Carbon tetrachloride	4.825	117	139150	5.121	ug/L	100
33) Benzene	5.098	78	424207	5.163	ug/L	100
34) Trichloroethene	5.911	95	109256	5.194	ug/L	99
35) Methylcyclohexane	6.130	83	185887	5.028	ug/L	98
37) 1,2-Dichloropropane	6.172	63	93799	4.950	ug/L	99
38) Bromodichloromethane	6.506	83	123771	5.158	ug/L	96
39) cis-1,3-Dichloropropene	7.027	75	134439	5.082	ug/L	100
40) 4-Methyl-2-pentanone	7.223	43	428010	52.502	ug/L	98
42) Toluene	7.384	91	460995	5.193	ug/L	100
44) trans-1,3-Dichloropropene	7.648	75	105862	5.155	ug/L	99
45) 1,1,2-Trichloroethane	7.834	97	69022	5.565	ug/L	96
47) Tetrachloroethene	7.972	164	91564	5.436	ug/L	98
48) 2-Hexanone	8.136	43	291989	51.131	ug/L	97
49) Dibromochloromethane	8.242	129	81430	5.430	ug/L	100
50) 1,2-Dibromoethane	8.349	107	63236	5.488	ug/L	100
51) Chlorobenzene	8.876	112	300062	5.467	ug/L	99
52) Ethylbenzene	9.008	91	499846	5.409	ug/L	100
53) m,p-Xylene	9.133	106	194766	5.299	ug/L	99
54) o-Xylene	9.538	106	191192	5.472	ug/L	99
55) Styrene	9.554	104	326654	5.574	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.236	83	77632	5.370	ug/L	98
59) Bromoform	9.725	173	42812	5.619	ug/L	99
60) Isopropylbenzene	9.924	105	511928	5.643	ug/L	99
61) 1,2,3-Trichloropropane	10.268	75	51533	5.396	ug/L	99
62) 1,3,5-Trimethylbenzene	10.532	105	411876	5.359	ug/L	99
63) 1,2,4-Trimethylbenzene	10.908	105	414741	5.388	ug/L	99
64) 1,3-Dichlorobenzene	11.175	146	229157	5.376	ug/L	98
65) 1,4-Dichlorobenzene	11.265	146	232870	5.435	ug/L	99
67) 1,2-Dichlorobenzene	11.635	146	206408	5.390	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.419	75	9994	5.318	ug/L #	78
69) 1,3,5-Trichlorobenzene	12.635	180	177700	5.404	ug/L	98
70) 1,2,4-trichlorobenzene	13.252	180	137827	5.541	ug/L	99
71) Naphthalene	13.493	128	186165	5.801	ug/L	99
72) 1,2,3-Trichlorobenzene	13.734	180	117975	5.600	ug/L	99

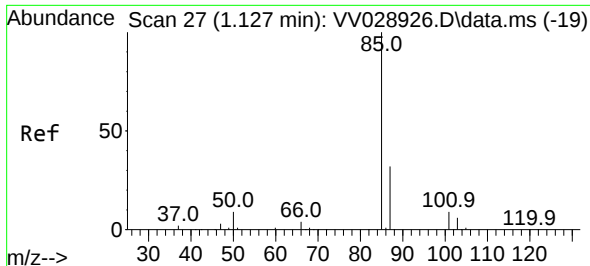
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111422\
 Data File : VV028952.D
 Acq On : 14 Nov 2022 20:50
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005345

Quant Time: Nov 15 00:08:09 2022
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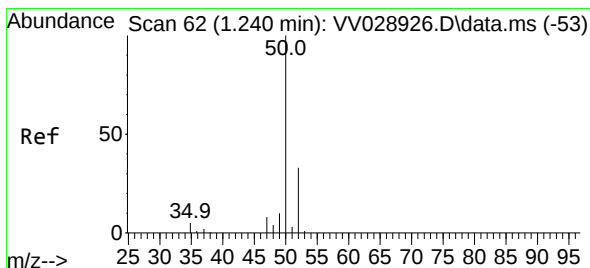
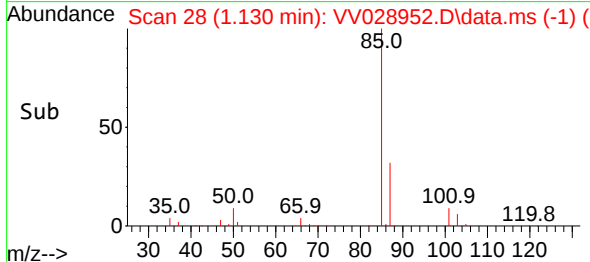
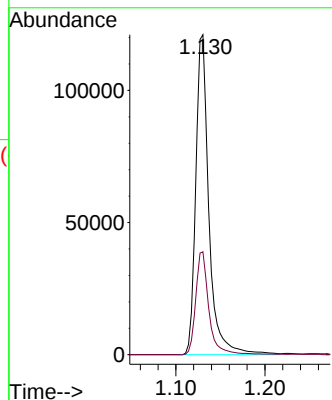
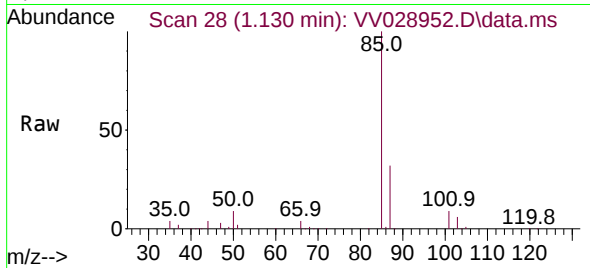




#2
 Dichlorodifluoromethane
 Concen: 5.149 ug/L
 RT: 1.130 min Scan# 27
 Delta R.T. 0.003 min
 Lab File: VV028952.D
 Acq: 14 Nov 2022 20:50

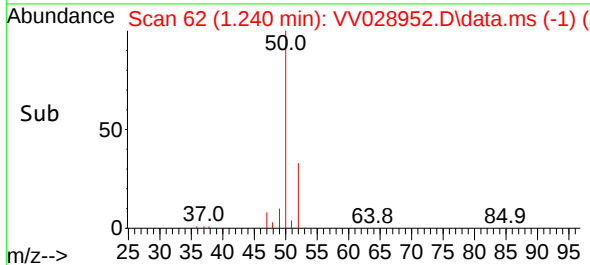
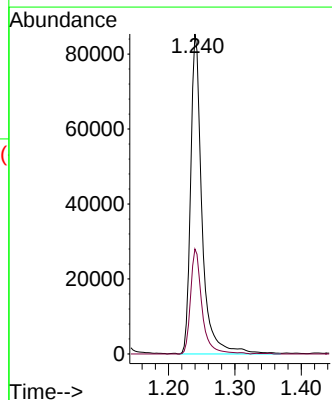
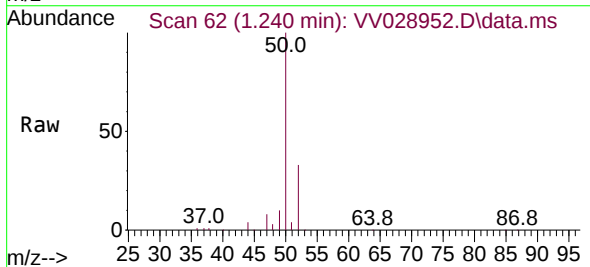
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005345

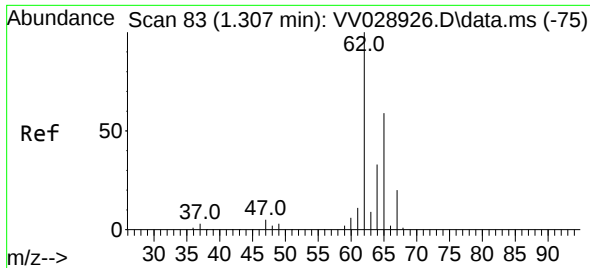
Tgt Ion: 85 Resp: 124535
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.0 37.4



#3
 Chloromethane
 Concen: 5.074 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV028952.D
 Acq: 14 Nov 2022 20:50

Tgt Ion: 50 Resp: 101849
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.7 43.9

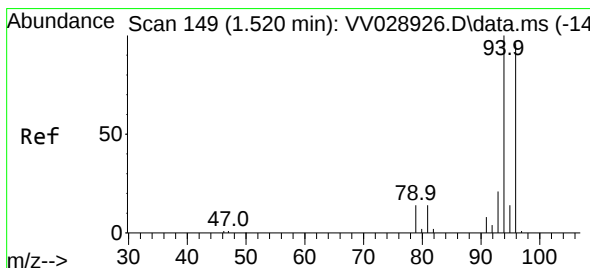
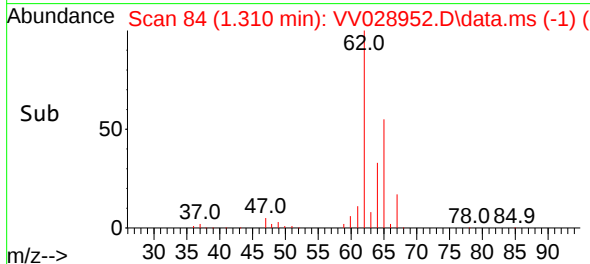
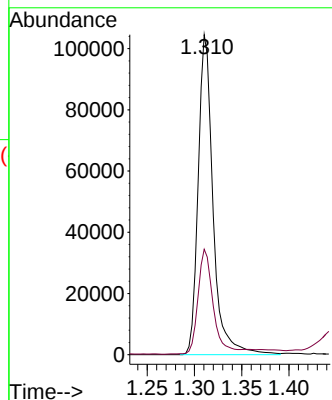
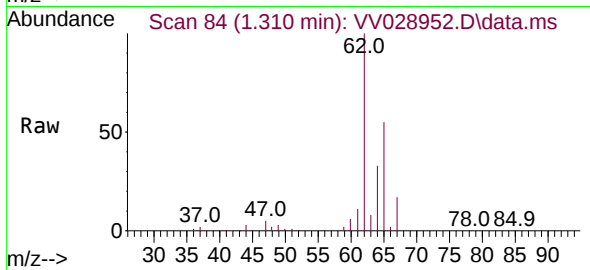




#5
 Vinyl chloride
 Concen: 4.998 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV028952.D
 Acq: 14 Nov 2022 20:50

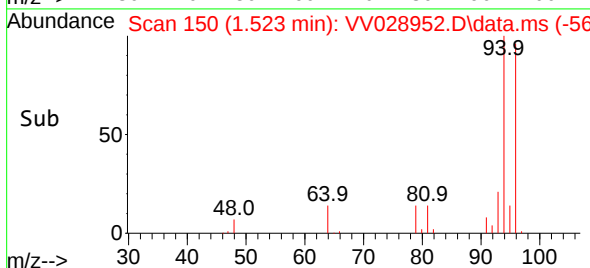
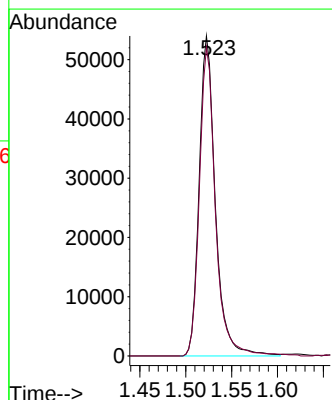
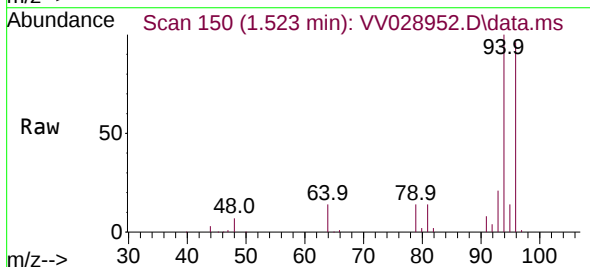
Instrument :
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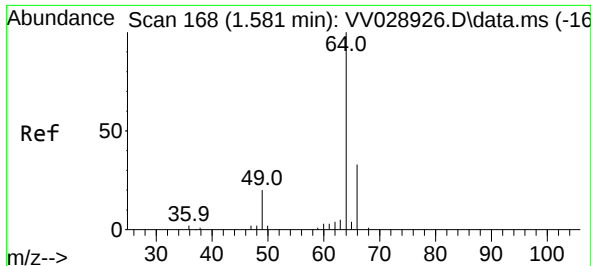
Tgt Ion: 62 Resp: 114424
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.8 42.4



#6
 Bromomethane
 Concen: 4.846 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.003 min
 Lab File: VV028952.D
 Acq: 14 Nov 2022 20:50

Tgt Ion: 94 Resp: 66311
 Ion Ratio Lower Upper
 94 100
 96 96.4 68.5 127.3

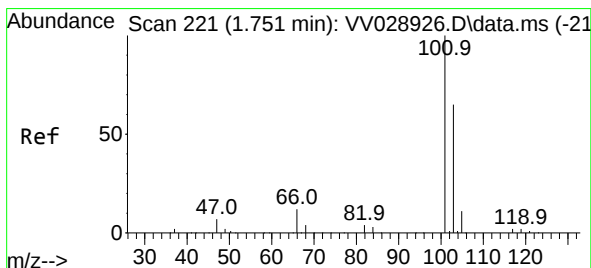
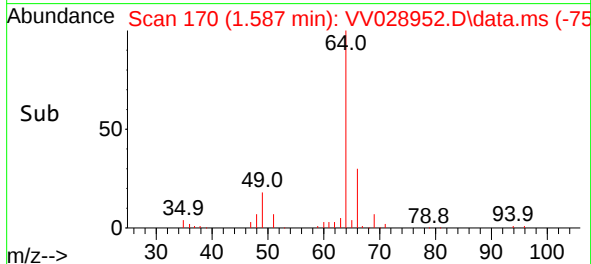
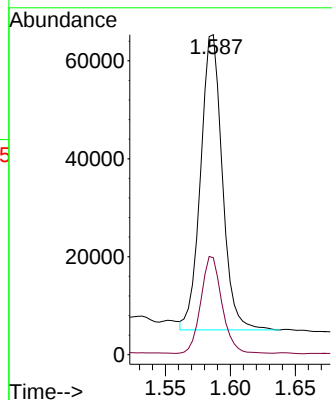
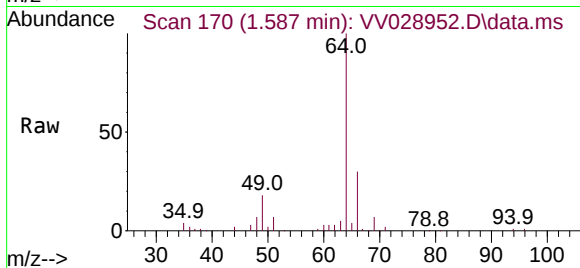




#8
Chloroethane
Concen: 5.224 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

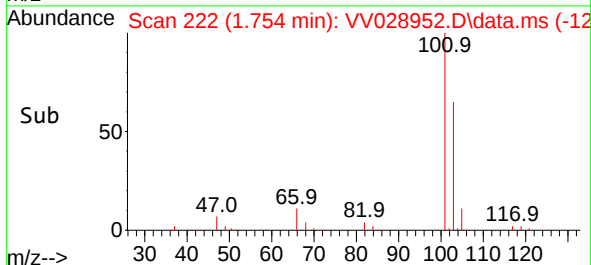
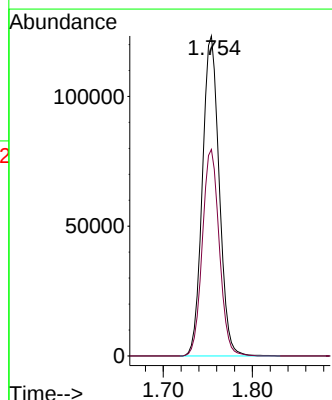
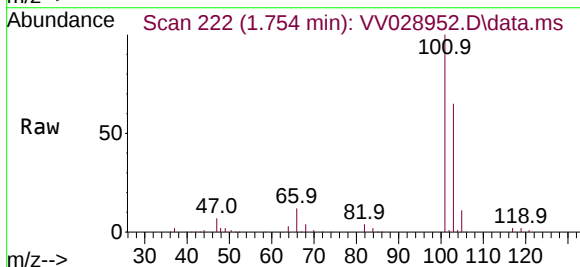
Instrument :
MSVOA_V
ClientSampleId :
VSTD005345

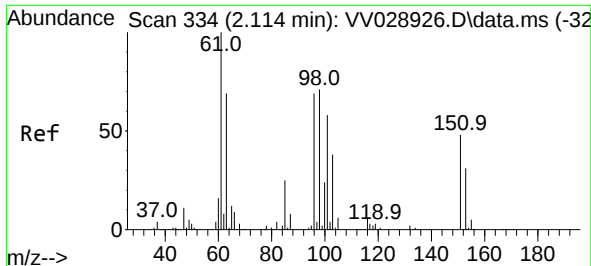
Tgt Ion: 64 Resp: 70291
Ion Ratio Lower Upper
64 100
66 30.3 22.0 40.8



#9
Trichlorofluoromethane
Concen: 5.226 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

Tgt Ion:101 Resp: 161344
Ion Ratio Lower Upper
101 100
103 64.9 51.3 76.9

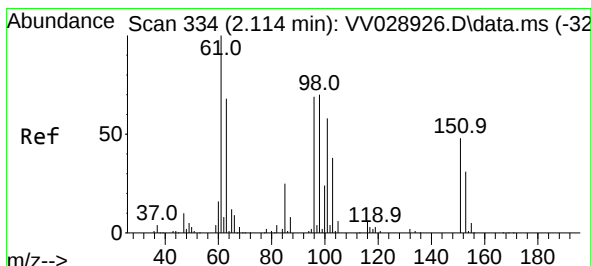
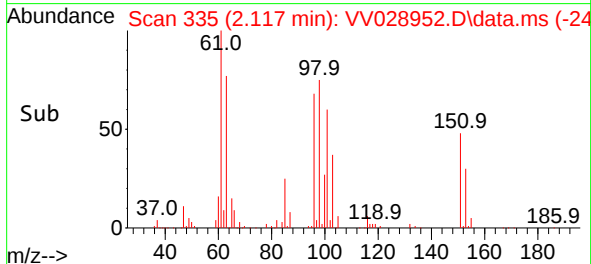
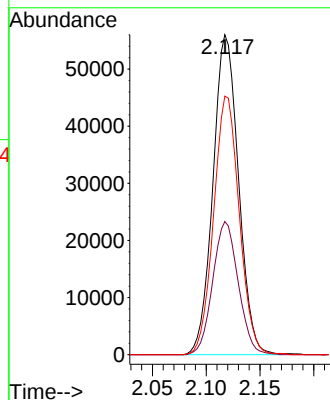
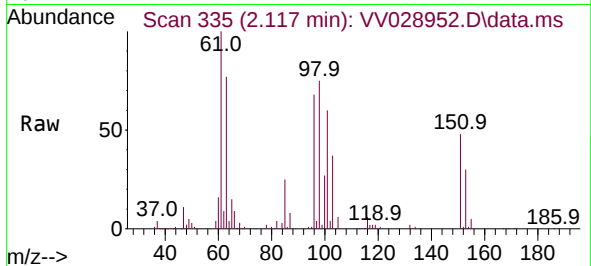




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.297 ug/L
RT: 2.117 min Scan# 335
Delta R.T. 0.003 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

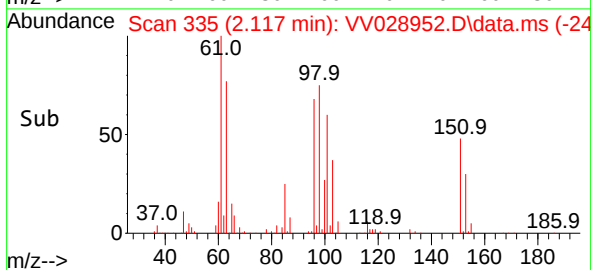
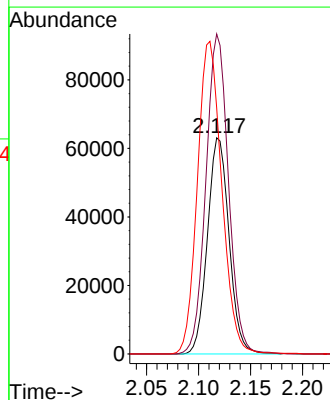
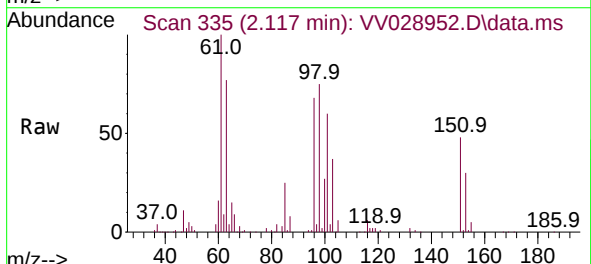
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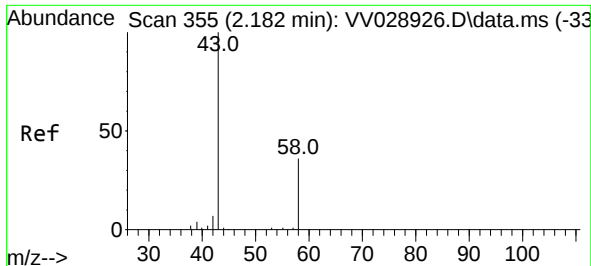
Tgt Ion:101 Resp: 92584
Ion Ratio Lower Upper
101 100
85 41.5 32.9 49.3
151 81.1 62.5 93.7



#12
1,1-Dichloroethene
Concen: 5.186 ug/L
RT: 2.117 min Scan# 335
Delta R.T. 0.003 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

Tgt Ion: 96 Resp: 91093
Ion Ratio Lower Upper
96 100
61 148.0 104.2 193.4
63 113.8 75.9 140.9





#13

Acetone

Concen: 50.709 ug/L

RT: 2.185 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

Instrument :

MSVOA_V

ClientSampleId :

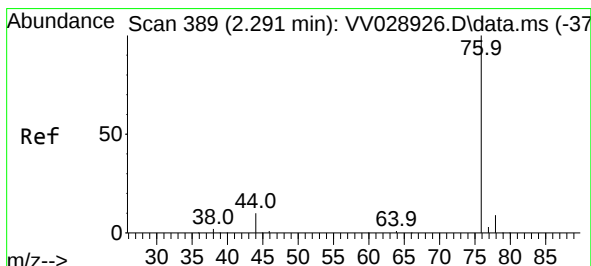
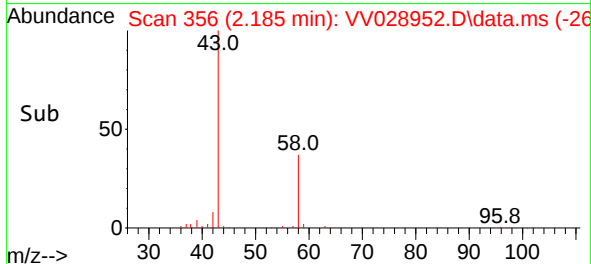
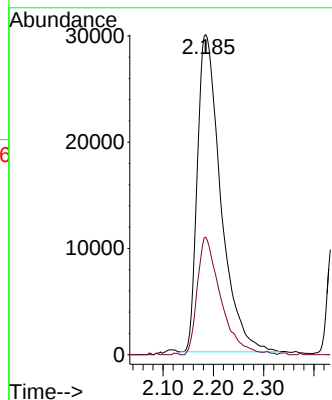
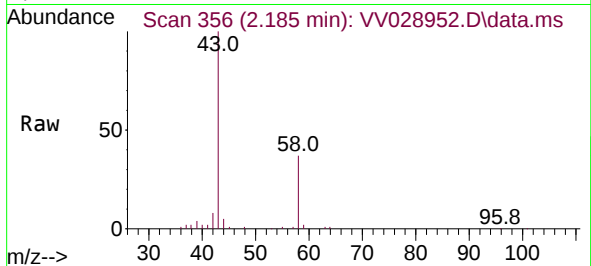
VSTD005345

Tgt Ion: 43 Resp: 96583

Ion Ratio Lower Upper

43 100

58 36.7 0.0 56.6



#14

Carbon disulfide

Concen: 5.100 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.003 min

Lab File: VV028952.D

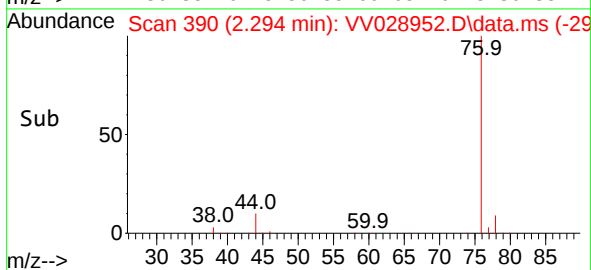
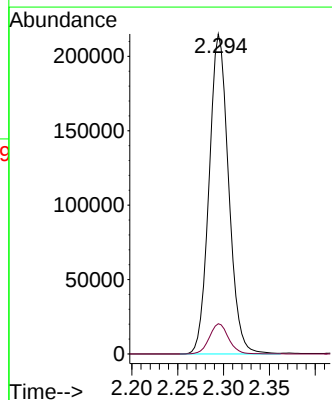
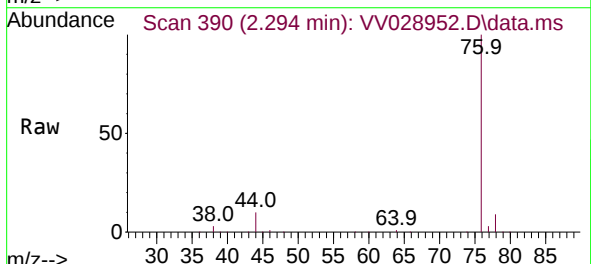
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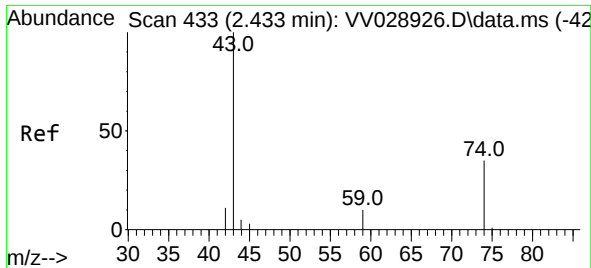
Tgt Ion: 76 Resp: 318086

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2





#15

Methyl Acetate

Concen: 5.868 ug/L

RT: 2.439 min Scan# 41

Delta R.T. 0.006 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

Instrument :

MSVOA_V

ClientSampleId :

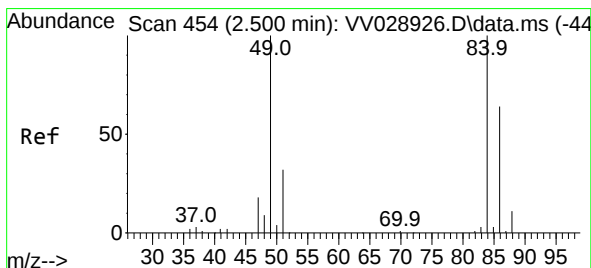
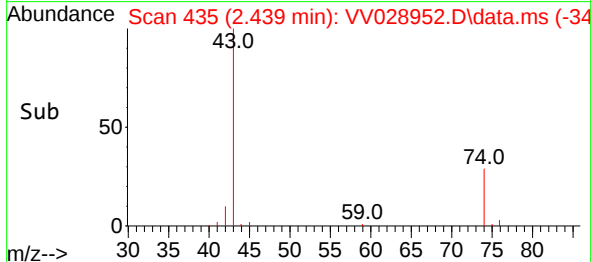
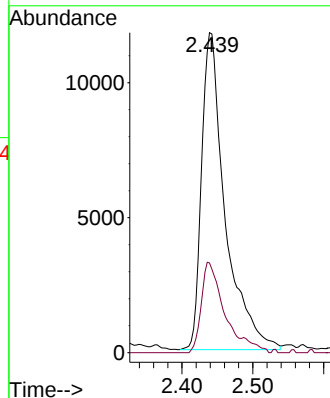
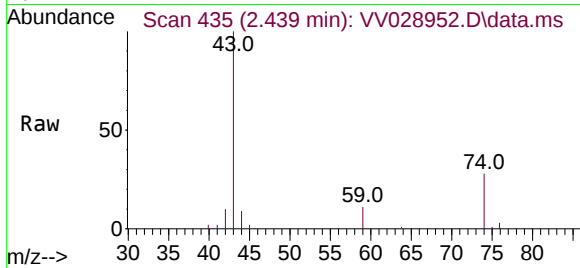
VSTD005345

Tgt Ion: 43 Resp: 27123

Ion Ratio Lower Upper

43 100

74 28.4 24.6 37.0



#16

Methylene chloride

Concen: 4.859 ug/L

RT: 2.506 min Scan# 456

Delta R.T. 0.006 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

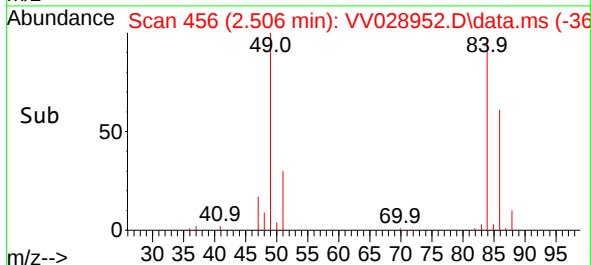
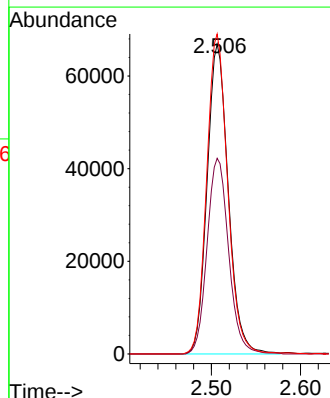
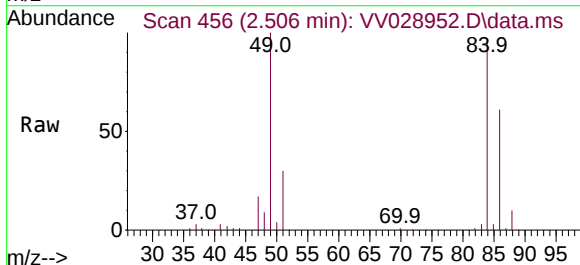
Tgt Ion: 84 Resp: 110359

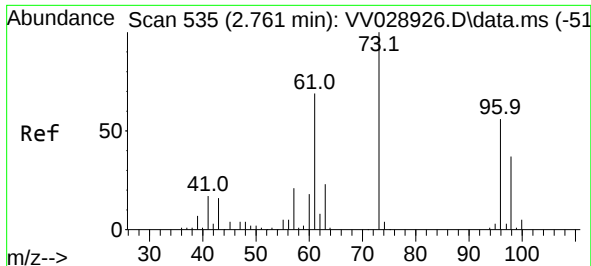
Ion Ratio Lower Upper

84 100

86 63.2 45.8 85.0

49 103.3 75.5 140.1

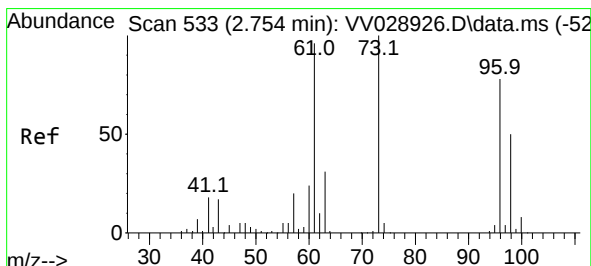
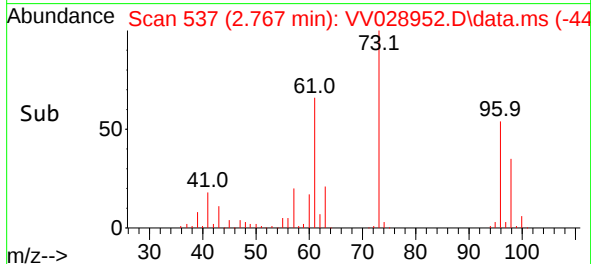
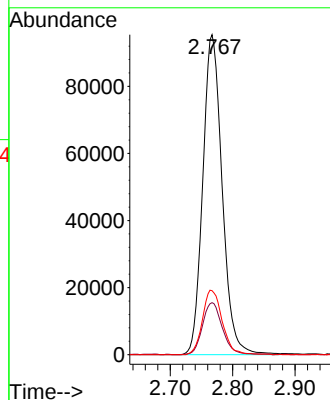
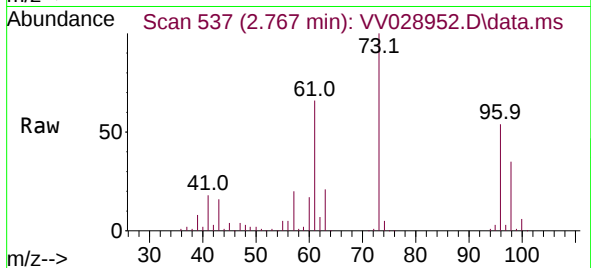




#17
Methyl tert-butyl Ether
Concen: 5.479 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

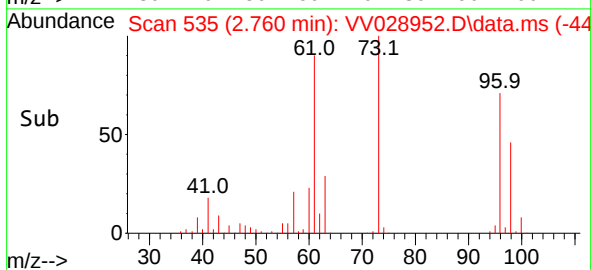
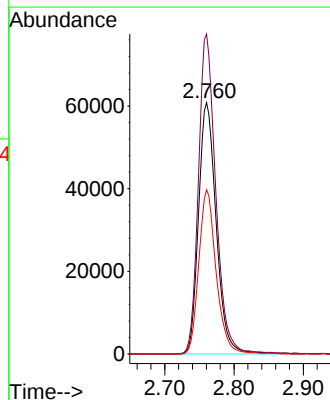
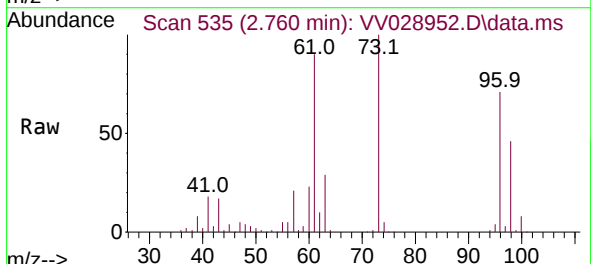
Instrument :
MSVOA_V
ClientSampleId :
VSTD005345

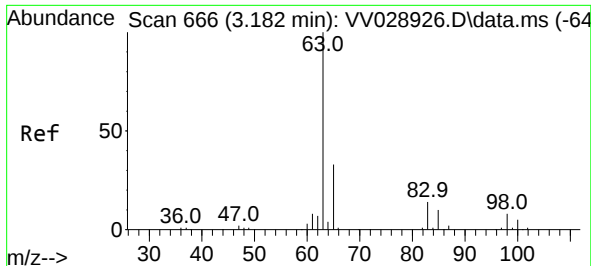
Tgt Ion: 73 Resp: 206321
Ion Ratio Lower Upper
73 100
43 16.7 13.0 19.4
57 20.5 16.6 24.8



#18
trans-1,2-Dichloroethene
Concen: 5.294 ug/L
RT: 2.760 min Scan# 535
Delta R.T. 0.006 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

Tgt Ion: 96 Resp: 107840
Ion Ratio Lower Upper
96 100
61 127.3 91.8 170.6
98 65.3 46.4 86.2





#19

1,1-Dichloroethane

Concen: 5.187 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.006 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD005345

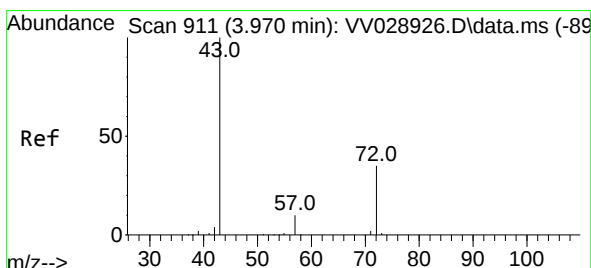
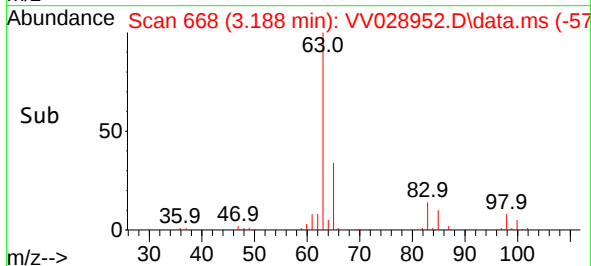
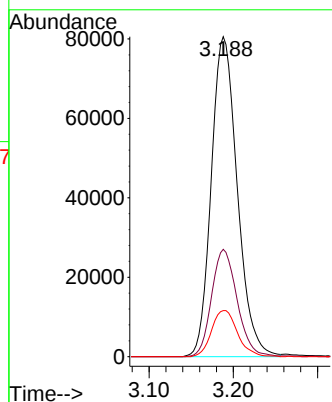
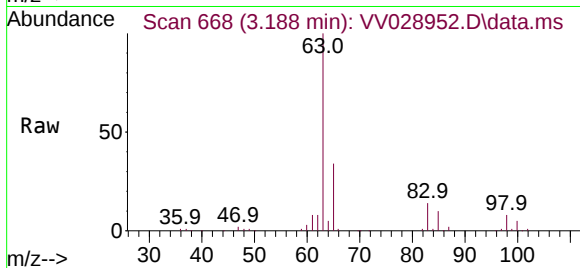
Tgt Ion: 63 Resp: 172739

Ion Ratio Lower Upper

63 100

65 33.6 23.0 42.6

83 14.4 9.4 17.6



#21

2-Butanone

Concen: 56.600 ug/L

RT: 3.976 min Scan# 913

Delta R.T. 0.006 min

Lab File: VV028952.D

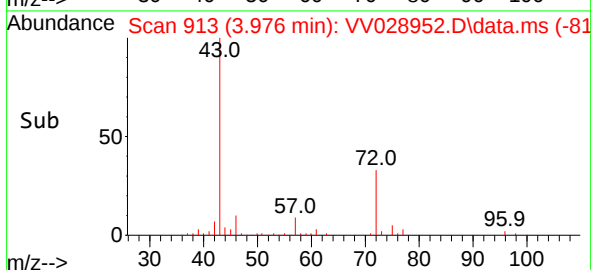
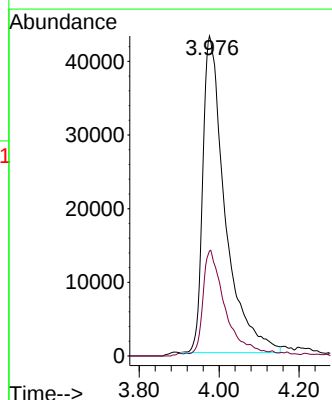
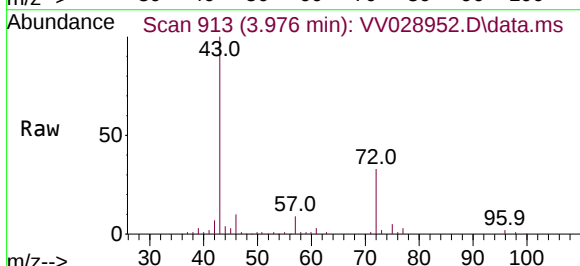
Acq: 14 Nov 2022 20:50

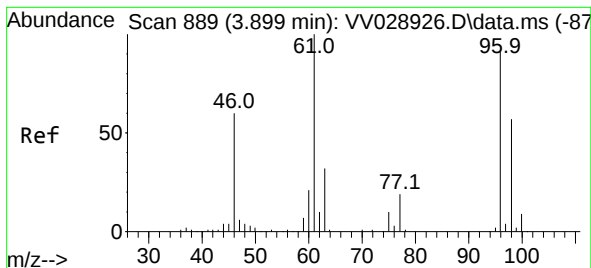
Tgt Ion: 43 Resp: 166902

Ion Ratio Lower Upper

43 100

72 31.8 11.9 35.9





#22

cis-1,2-Dichloroethene

Concen: 5.447 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.009 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD005345

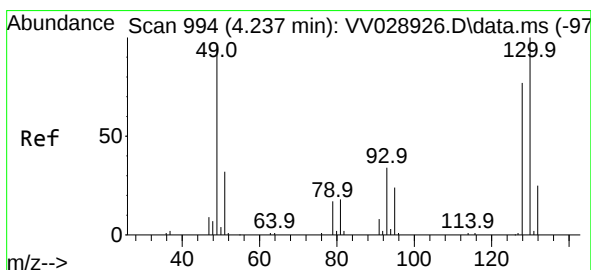
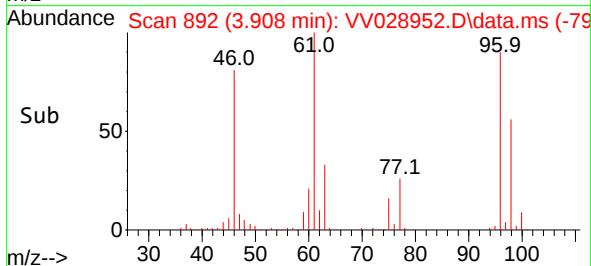
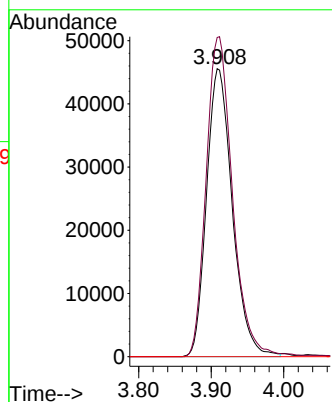
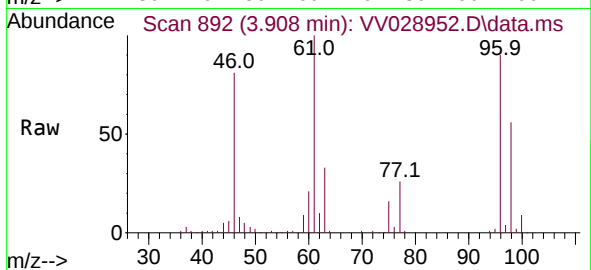
Tgt Ion: 96 Resp: 112812

Ion Ratio Lower Upper

96 100

61 110.8 82.3 152.9

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 5.367 ug/L

RT: 4.249 min Scan# 998

Delta R.T. 0.013 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

Tgt Ion: 128 Resp: 47011

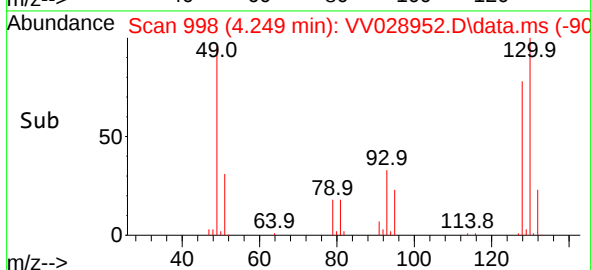
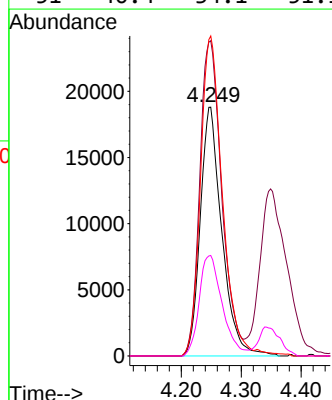
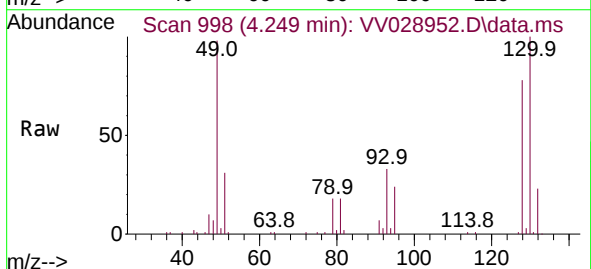
Ion Ratio Lower Upper

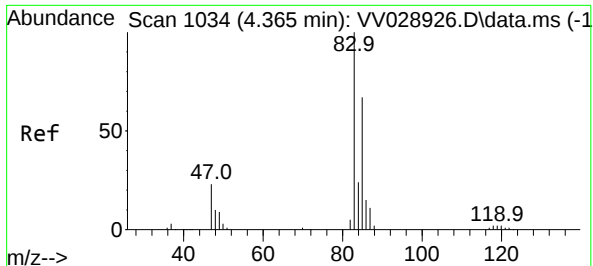
128 100

49 126.7 89.5 166.1

130 128.6 84.4 156.8

51 40.4 34.1 51.1





#25

Chloroform

Concen: 5.280 ug/L

RT: 4.374 min Scan# 1

Delta R.T. 0.009 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

Instrument :

MSVOA_V

ClientSampleId :

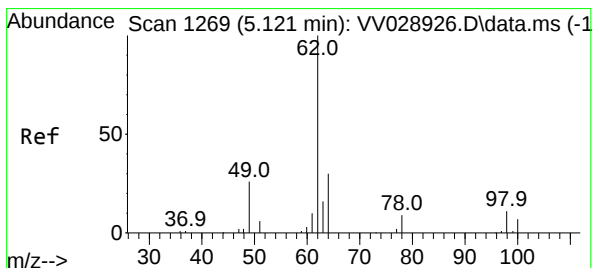
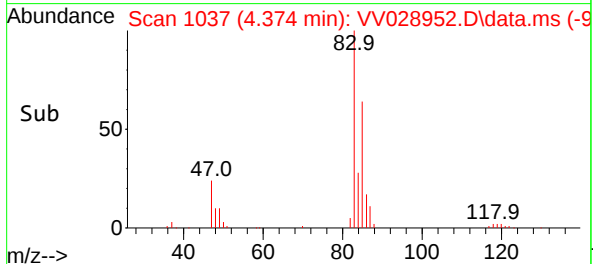
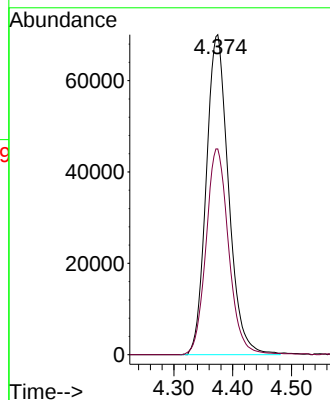
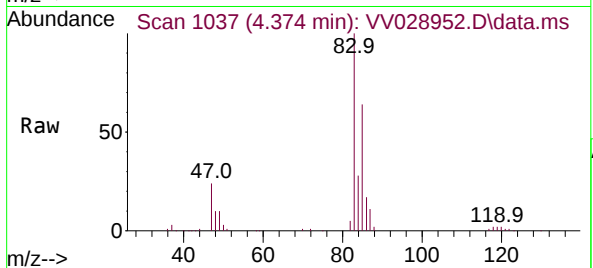
VSTD005345

Tgt Ion: 83 Resp: 184328

Ion Ratio Lower Upper

83 100

85 64.3 43.7 81.1



#27

1,2-Dichloroethane

Concen: 5.307 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.009 min

Lab File: VV028952.D

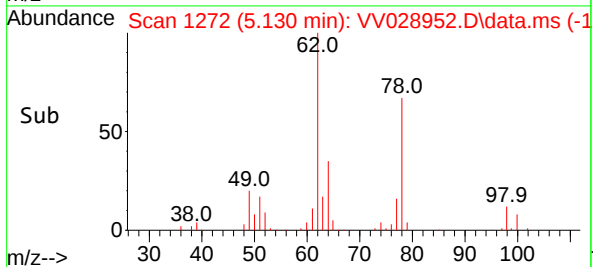
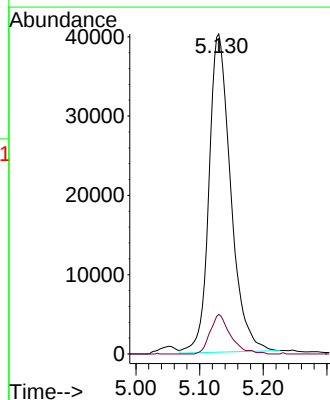
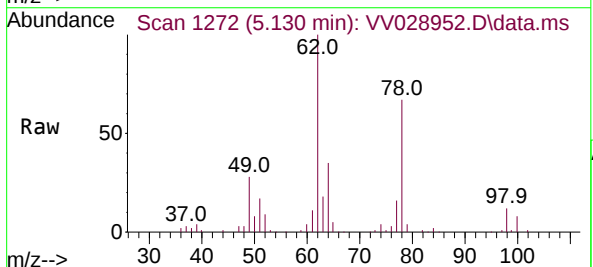
Acq: 14 Nov 2022 20:50

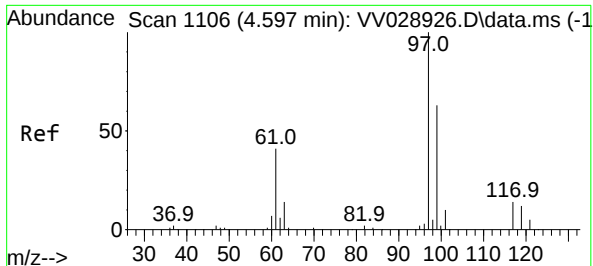
Tgt Ion: 62 Resp: 95430

Ion Ratio Lower Upper

62 100

98 12.4 9.0 13.6





#29

1,1,1-Trichloroethane

Concen: 5.096 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.009 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD005345

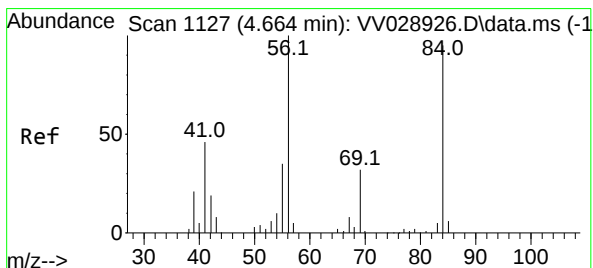
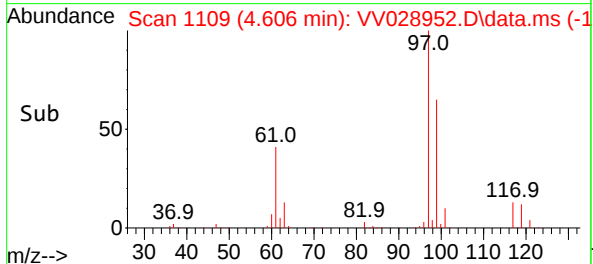
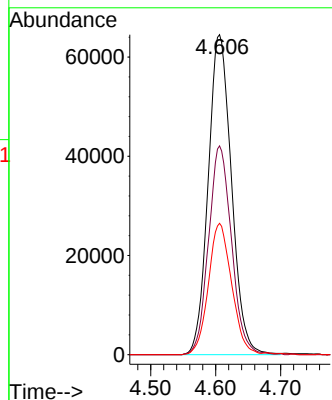
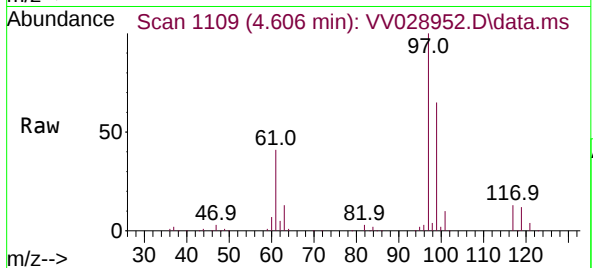
Tgt Ion: 97 Resp: 160777

Ion Ratio Lower Upper

97 100

99 64.4 52.7 79.1

61 40.9 33.8 50.6



#30

Cyclohexane

Concen: 5.062 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.013 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

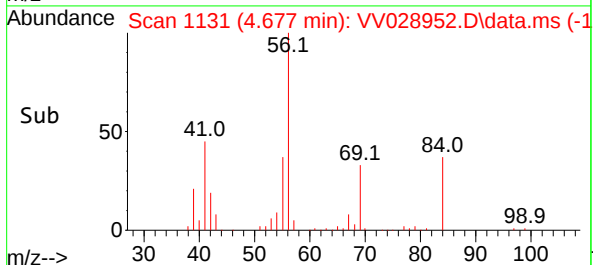
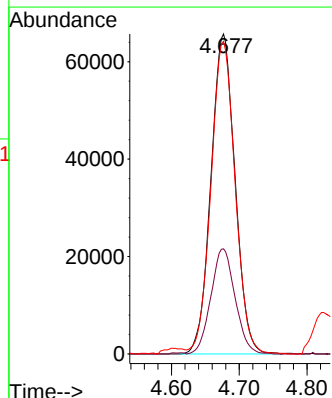
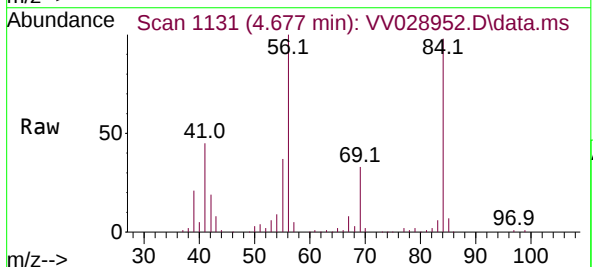
Tgt Ion: 56 Resp: 162333

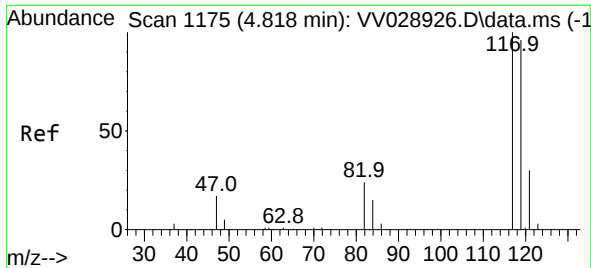
Ion Ratio Lower Upper

56 100

69 33.0 26.1 39.1

84 97.9 77.9 116.9

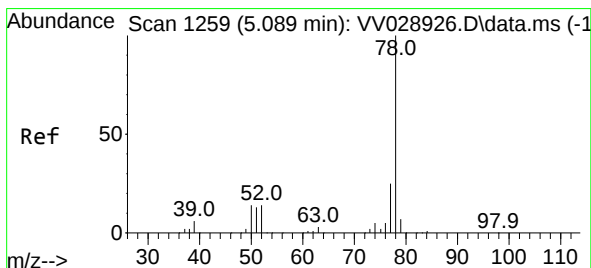
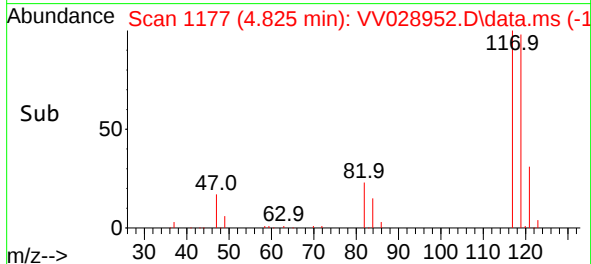
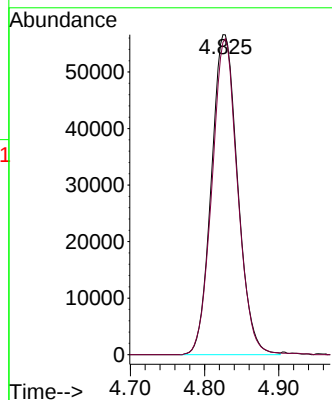
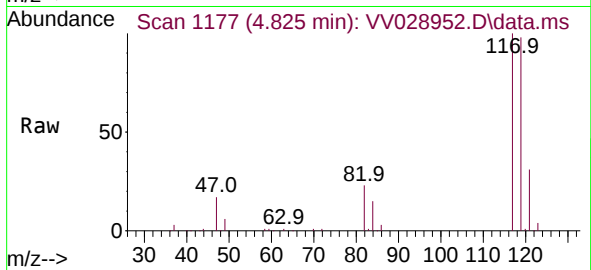




#31
Carbon tetrachloride
Concen: 5.121 ug/L
RT: 4.825 min Scan# 1175
Delta R.T. 0.006 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

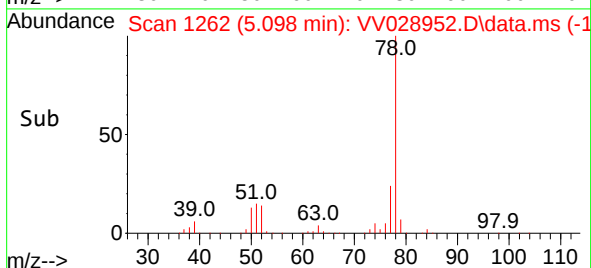
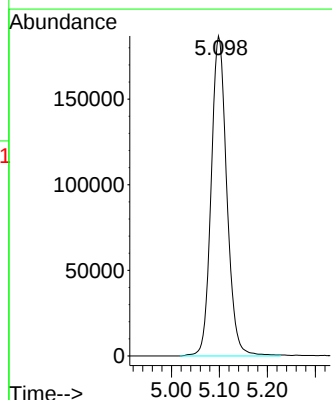
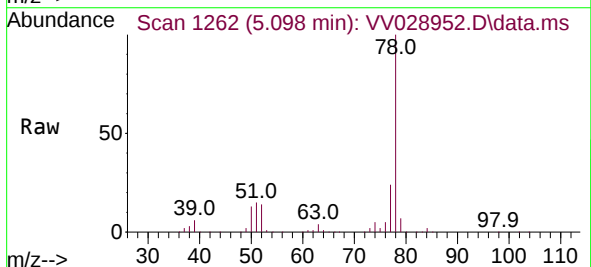
Instrument :
MSVOA_V
ClientSampleId :
VSTD005345

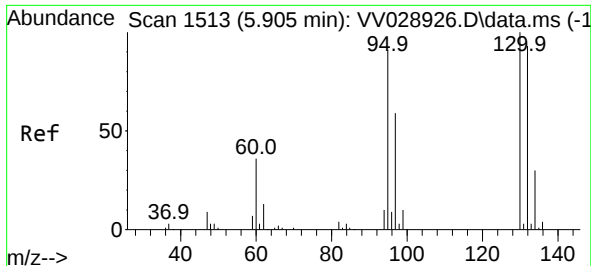
Tgt Ion:117 Resp: 139150
Ion Ratio Lower Upper
117 100
119 96.5 77.0 115.6



#33
Benzene
Concen: 5.163 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.009 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

Tgt Ion: 78 Resp: 424207

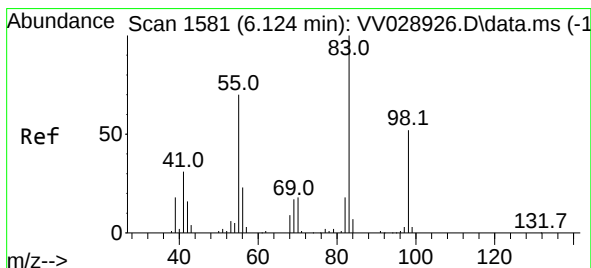
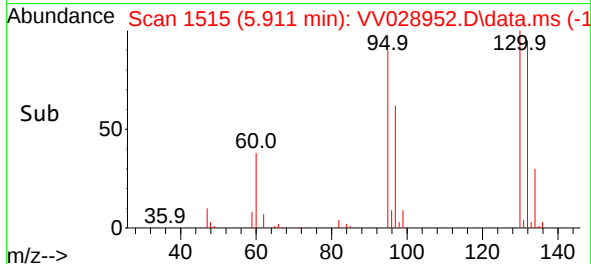
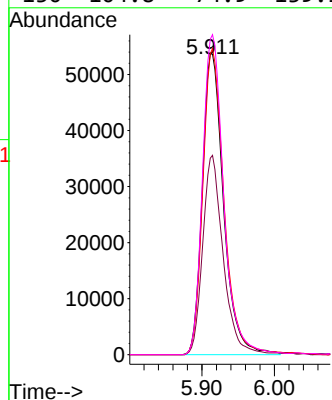
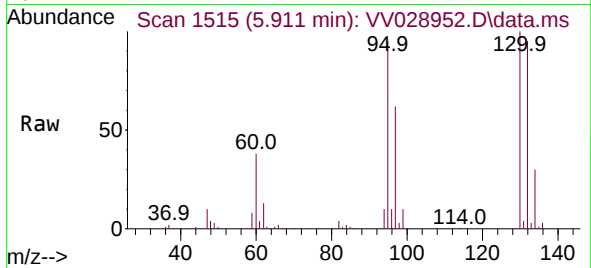




#34
Trichloroethene
Concen: 5.194 ug/L
RT: 5.911 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

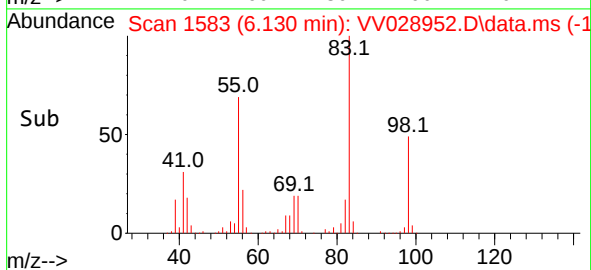
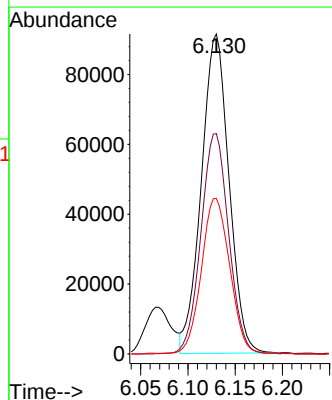
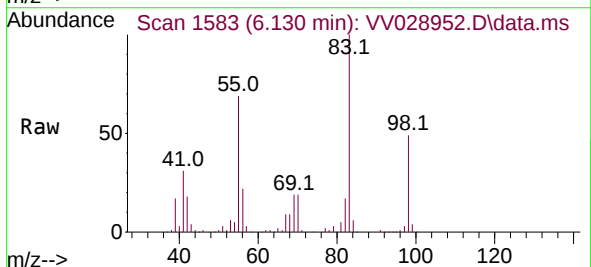
Instrument :
MSVOA_V
ClientSampleId :
VSTD005345

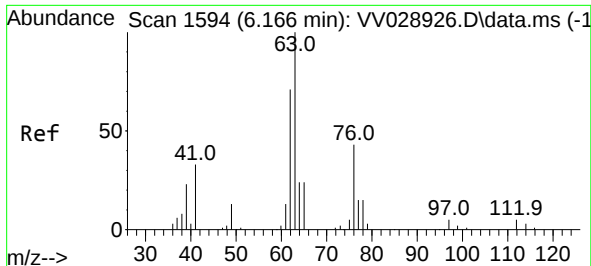
Tgt Ion: 95 Resp: 109256
Ion Ratio Lower Upper
95 100
97 65.3 45.6 84.8
132 100.0 69.1 128.3
130 104.8 74.9 139.1



#35
Methylcyclohexane
Concen: 5.028 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.006 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

Tgt Ion: 83 Resp: 185887
Ion Ratio Lower Upper
83 100
55 69.4 55.8 83.6
98 50.2 38.2 57.2





#37

1,2-Dichloropropane

Concen: 4.950 ug/L

RT: 6.172 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

Instrument :

MSVOA_V

ClientSampleId :

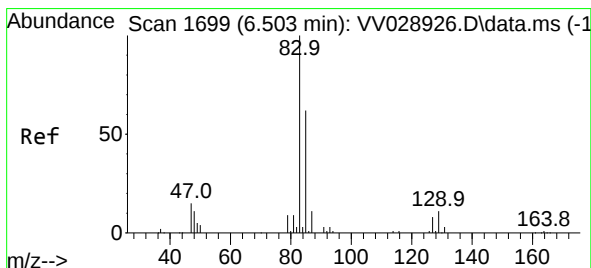
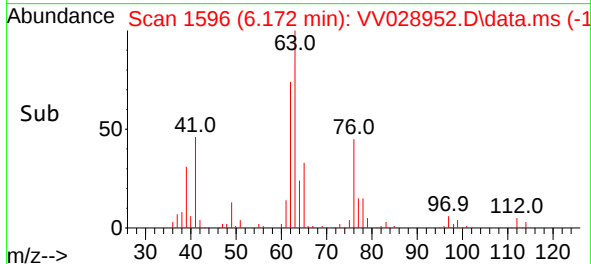
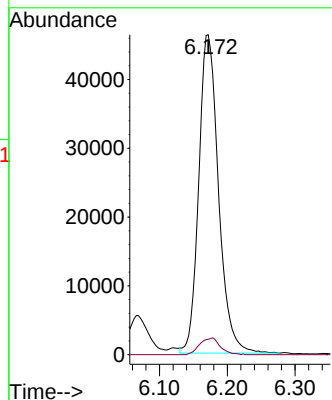
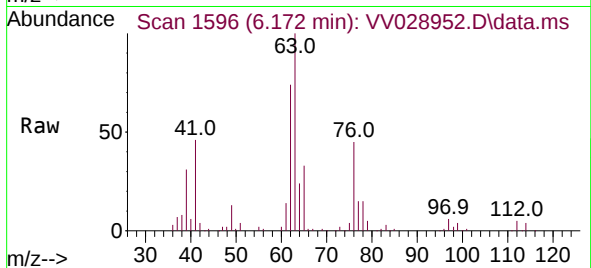
VSTD005345

Tgt Ion: 63 Resp: 93799

Ion Ratio Lower Upper

63 100

112 5.4 4.0 6.0



#38

Bromodichloromethane

Concen: 5.158 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

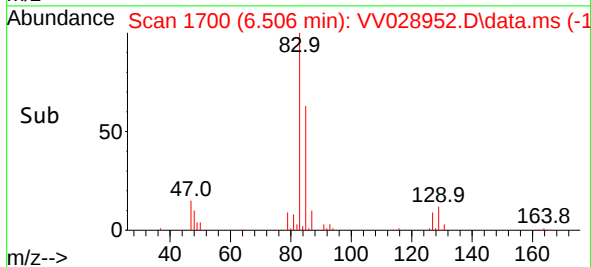
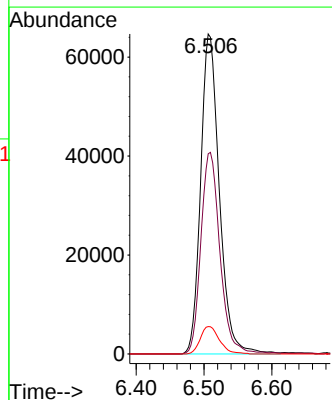
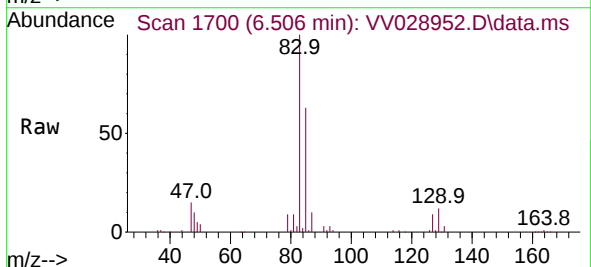
Tgt Ion: 83 Resp: 123771

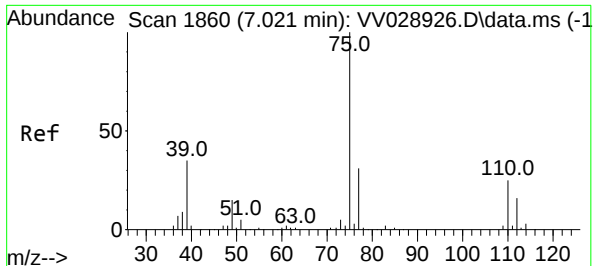
Ion Ratio Lower Upper

83 100

85 62.5 46.1 85.5

127 8.6 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 5.082 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.006 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

Instrument :

MSVOA_V

ClientSampleId :

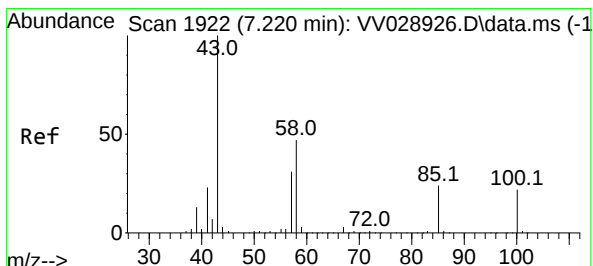
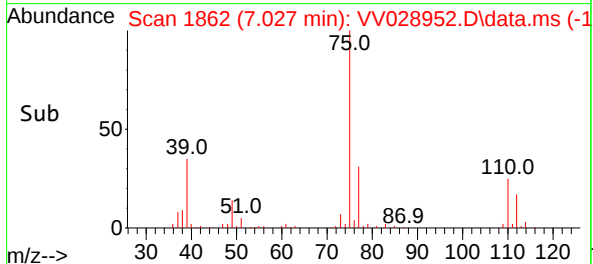
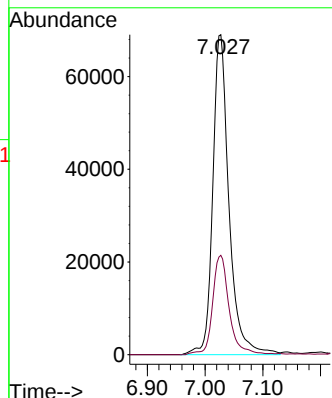
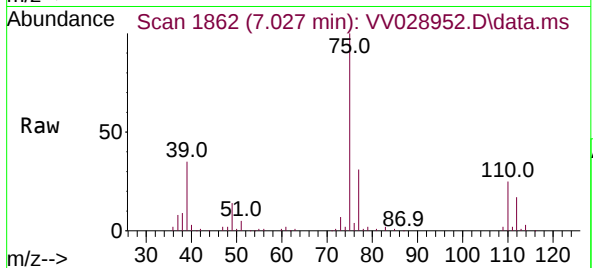
VSTD005345

Tgt Ion: 75 Resp: 134439

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 52.502 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.003 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

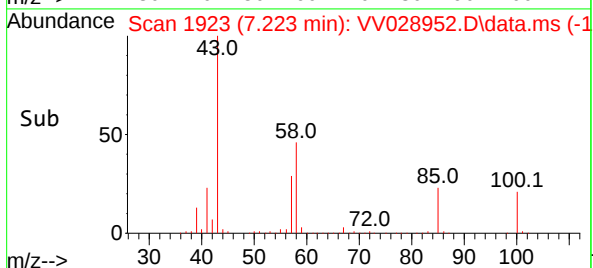
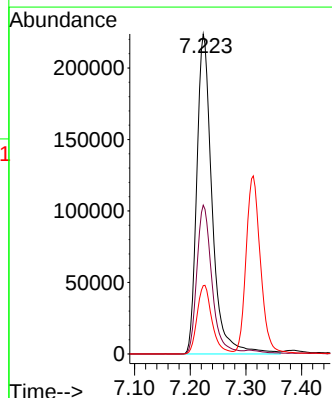
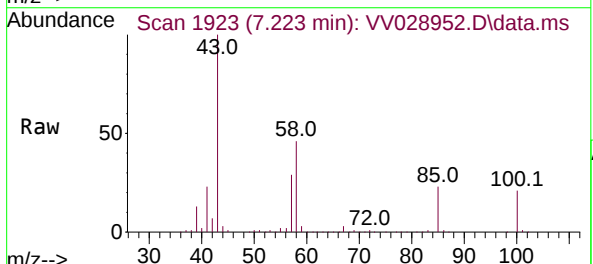
Tgt Ion: 43 Resp: 428010

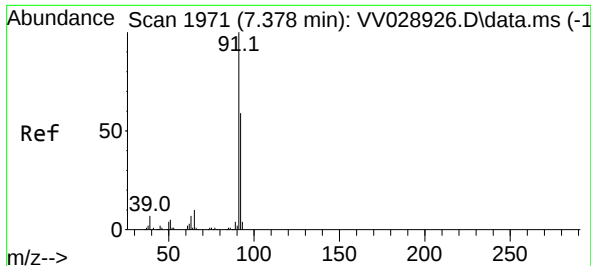
Ion Ratio Lower Upper

43 100

58 45.5 36.6 55.0

100 20.8 14.5 21.7





#42

Toluene

Concen: 5.193 ug/L

RT: 7.384 min Scan# 1971

Delta R.T. 0.006 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

Instrument :

MSVOA_V

ClientSampleId :

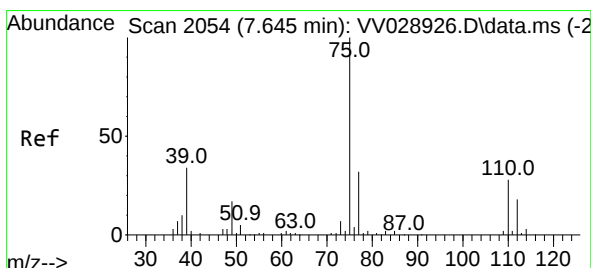
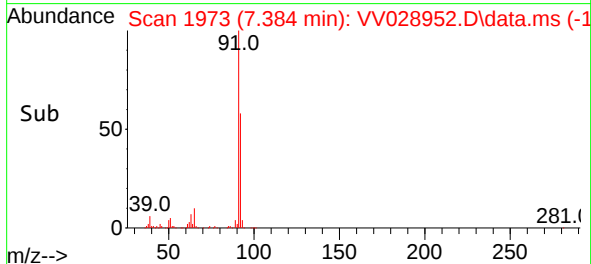
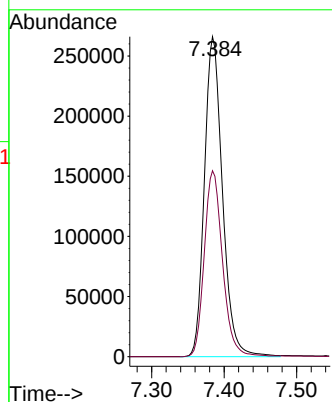
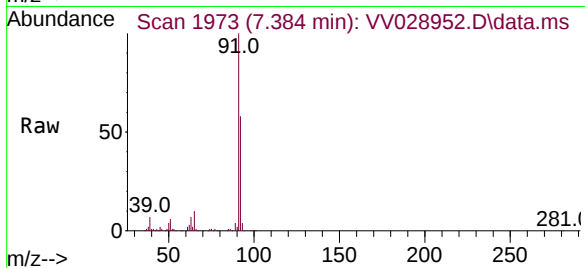
VSTD005345

Tgt Ion: 91 Resp: 460995

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.155 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.003 min

Lab File: VV028952.D

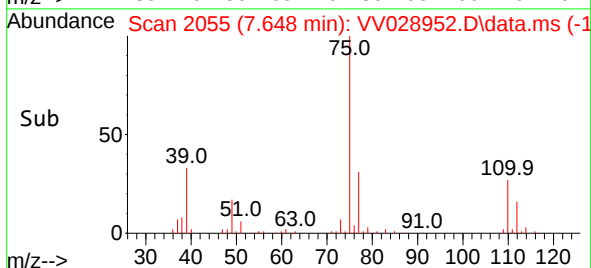
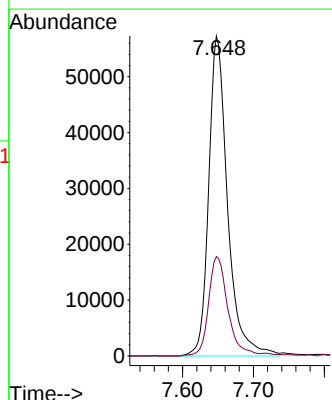
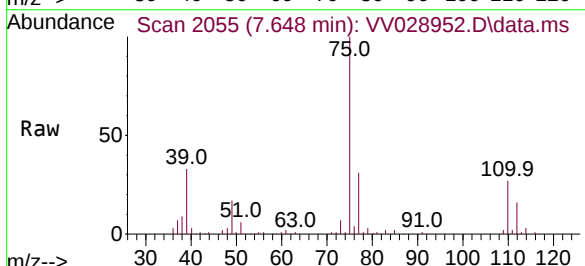
Acq: 14 Nov 2022 20:50

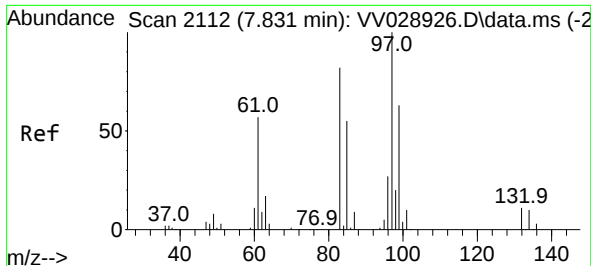
Tgt Ion: 75 Resp: 105862

Ion Ratio Lower Upper

75 100

77 31.1 22.2 41.2



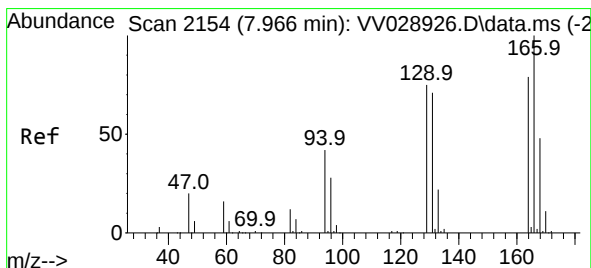
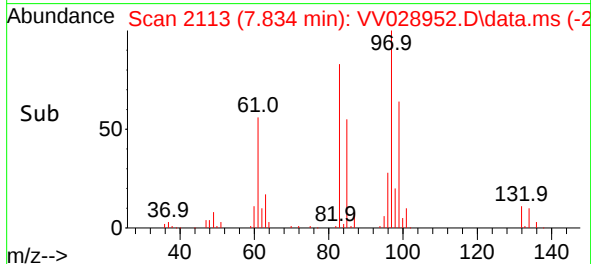
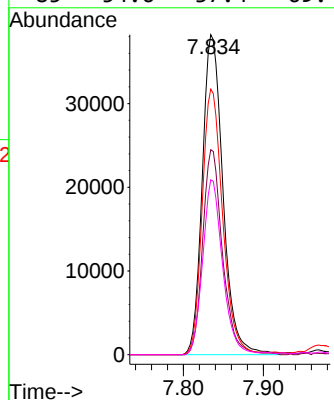
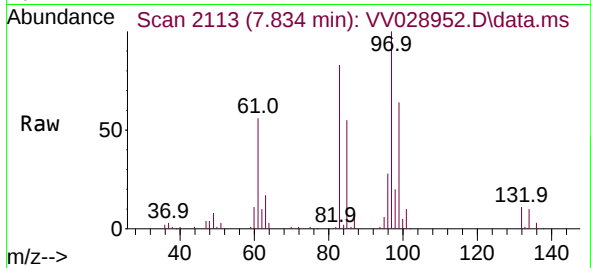


#45
1,1,2-Trichloroethane
Concen: 5.565 ug/L
RT: 7.834 min Scan# 2112
Delta R.T. 0.003 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD005345

Tgt Ion: 97 Resp: 69022

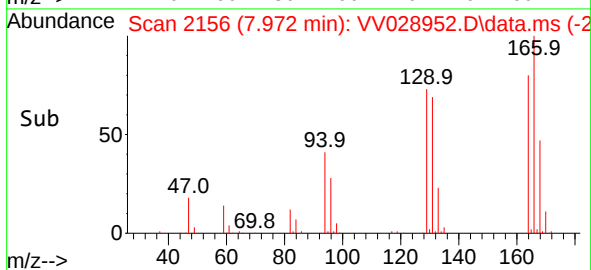
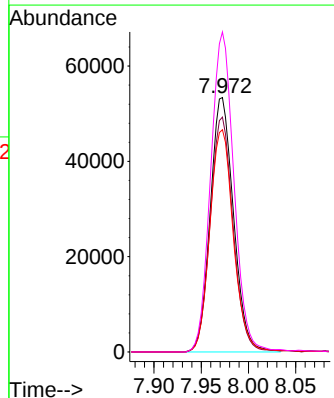
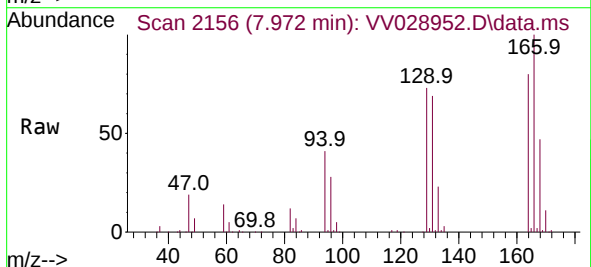
Ion	Ratio	Lower	Upper
97	100		
99	64.0	41.5	77.1
83	83.0	60.0	111.4
85	54.6	37.4	69.4

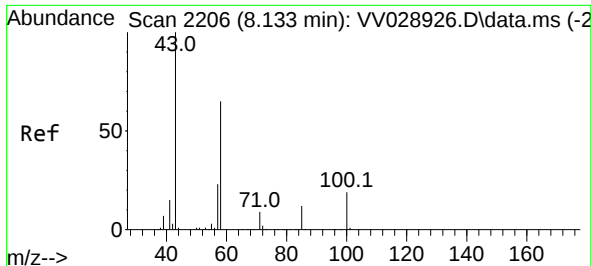


#47
Tetrachloroethene
Concen: 5.436 ug/L
RT: 7.972 min Scan# 2156
Delta R.T. 0.006 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

Tgt Ion: 164 Resp: 91564

Ion	Ratio	Lower	Upper
164	100		
129	92.3	63.9	118.7
131	87.4	61.8	114.8
166	125.8	90.2	167.4



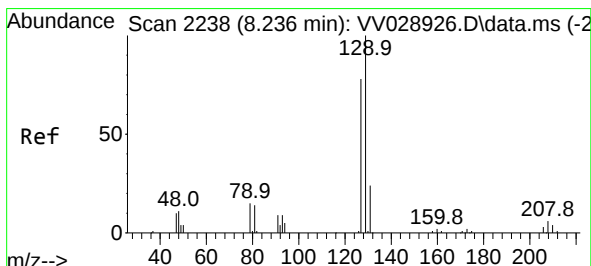
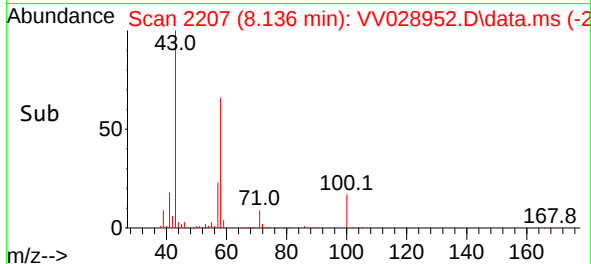
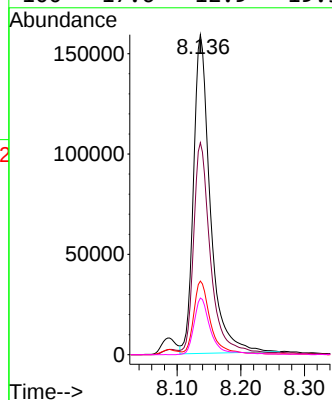
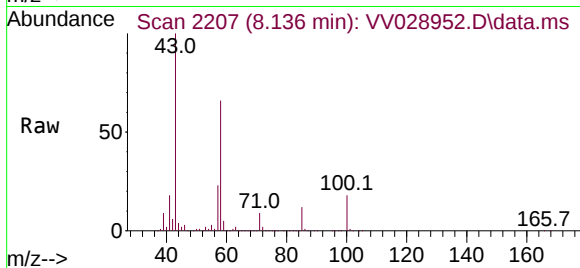


#48
2-Hexanone
Concen: 51.131 ug/L
RT: 8.136 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD005345

Tgt Ion: 43 Resp: 291989

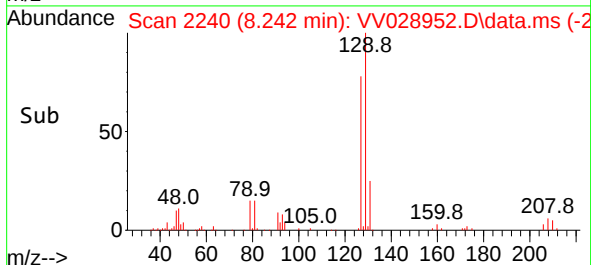
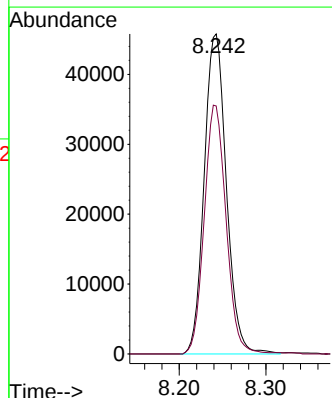
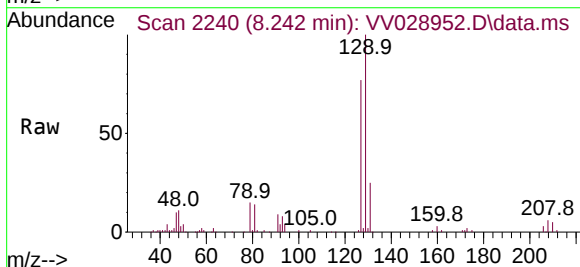
Ion	Ratio	Lower	Upper
43	100		
58	66.0	50.2	75.4
57	21.9	17.8	26.8
100	17.6	12.9	19.3

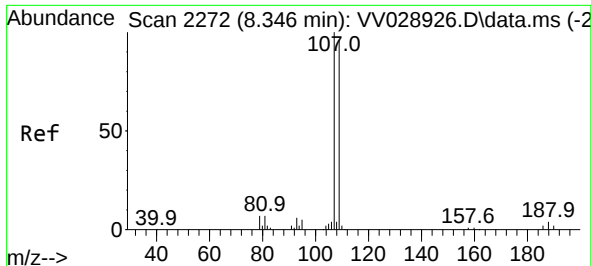


#49
Dibromochloromethane
Concen: 5.430 ug/L
RT: 8.242 min Scan# 2240
Delta R.T. 0.006 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

Tgt Ion: 129 Resp: 81430

Ion	Ratio	Lower	Upper
129	100		
127	77.5	54.5	101.1





#50

1,2-Dibromoethane

Concen: 5.488 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD005345

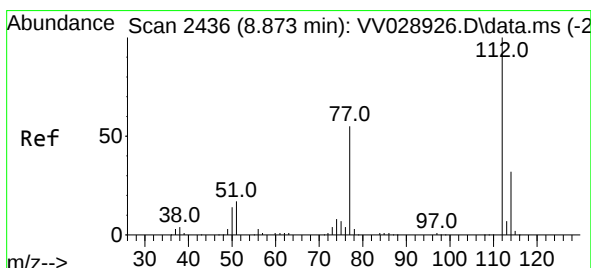
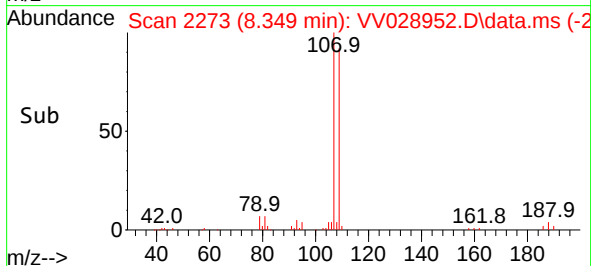
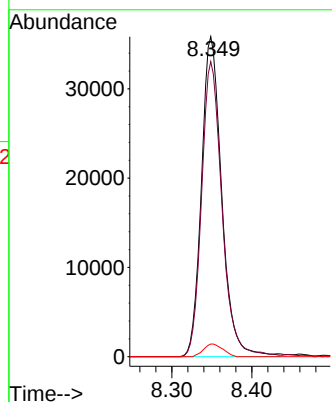
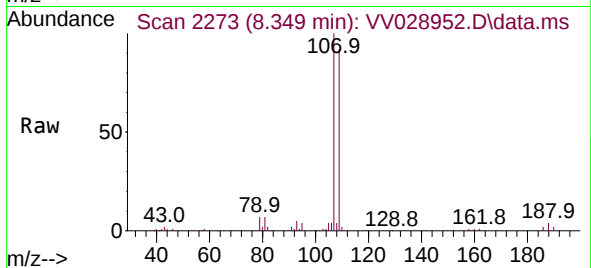
Tgt Ion:107 Resp: 63236

Ion Ratio Lower Upper

107 100

109 92.2 64.4 119.6

188 3.9 2.9 4.3



#51

Chlorobenzene

Concen: 5.467 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. 0.003 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

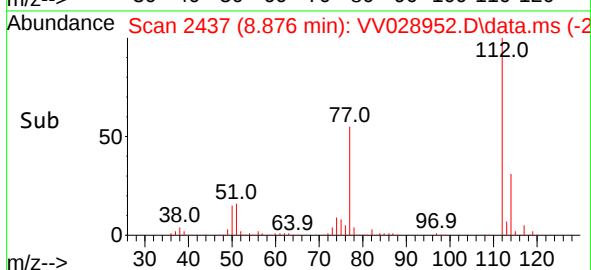
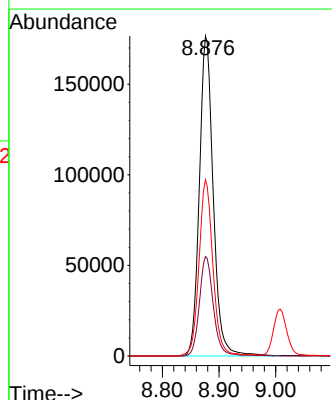
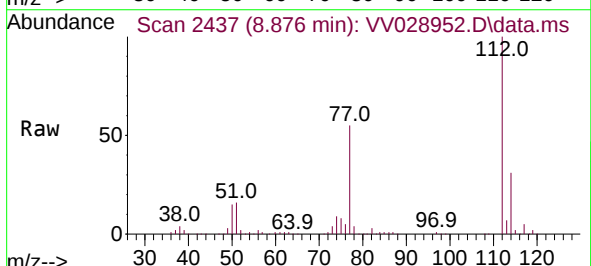
Tgt Ion:112 Resp: 300062

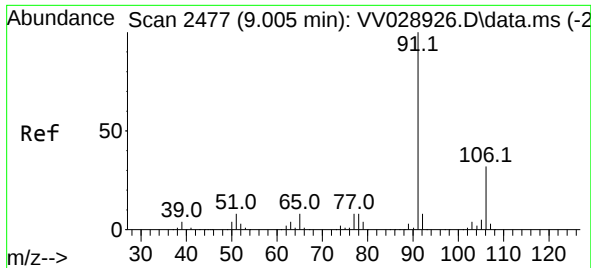
Ion Ratio Lower Upper

112 100

114 31.1 22.4 41.6

77 55.0 44.4 66.6





#52

Ethylbenzene

Concen: 5.409 ug/L

RT: 9.008 min Scan# 2477

Delta R.T. 0.003 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

Instrument :

MSVOA_V

ClientSampleId :

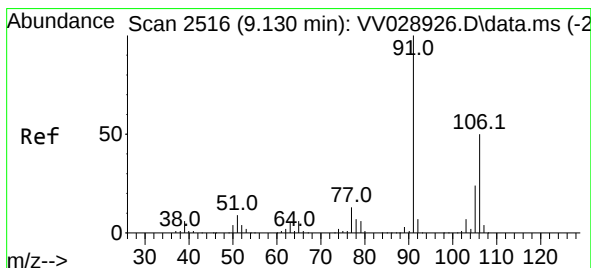
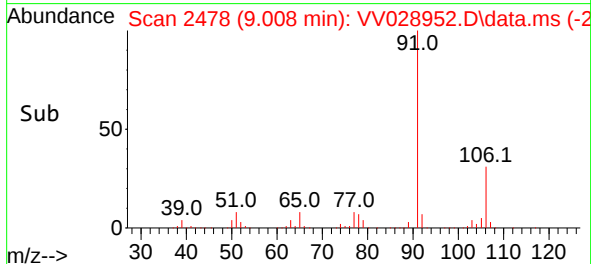
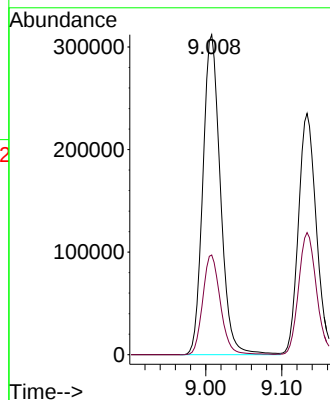
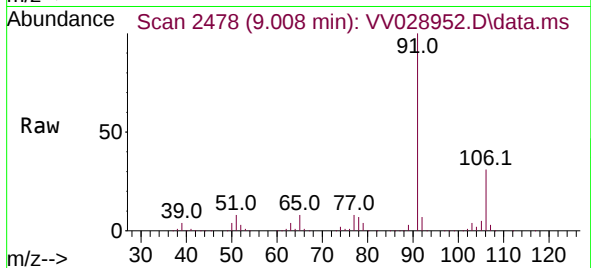
VSTD005345

Tgt Ion: 91 Resp: 499846

Ion Ratio Lower Upper

91 100

106 31.1 21.6 40.2



#53

m,p-Xylene

Concen: 5.299 ug/L

RT: 9.133 min Scan# 2517

Delta R.T. 0.003 min

Lab File: VV028952.D

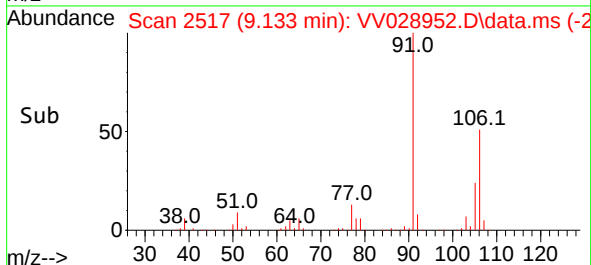
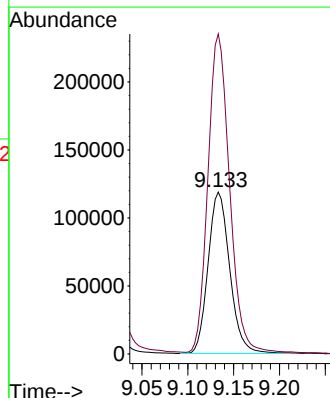
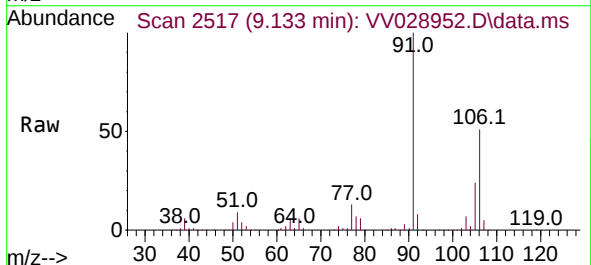
Acq: 14 Nov 2022 20:50

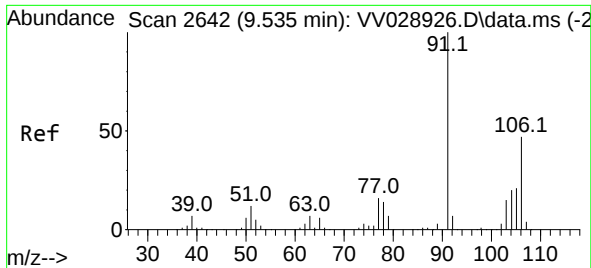
Tgt Ion: 106 Resp: 194766

Ion Ratio Lower Upper

106 100

91 197.6 139.1 258.3

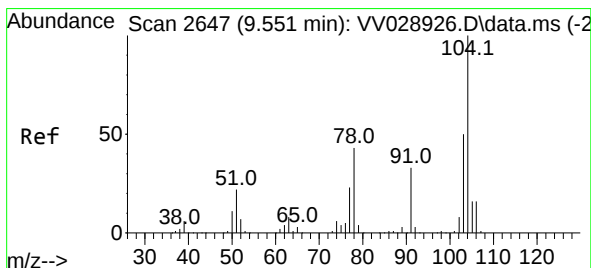
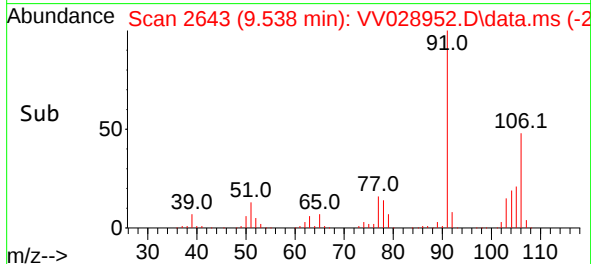
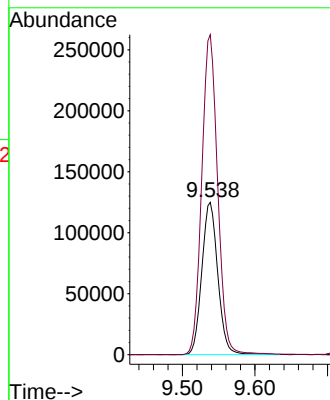
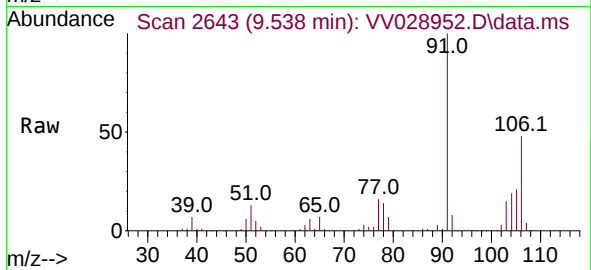




#54
o-Xylene
Concen: 5.472 ug/L
RT: 9.538 min Scan# 2642
Delta R.T. 0.003 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

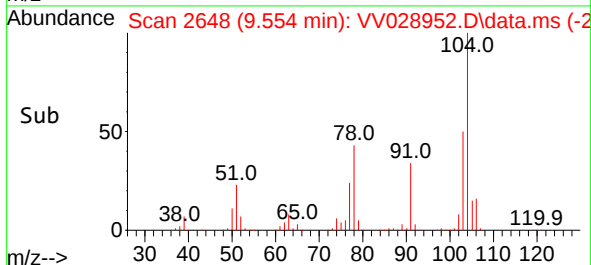
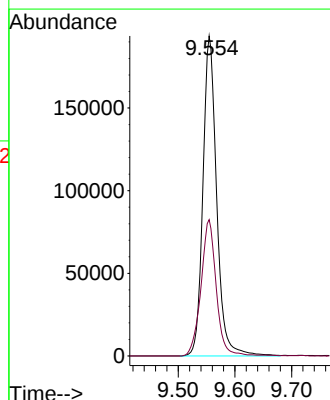
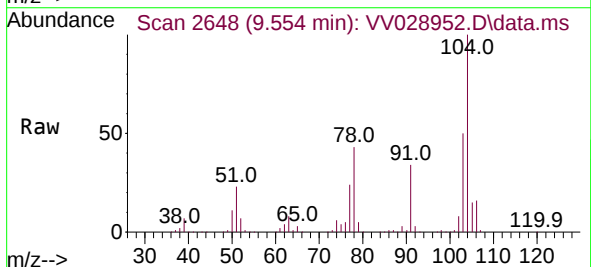
Instrument :
MSVOA_V
ClientSampleId :
VSTD005345

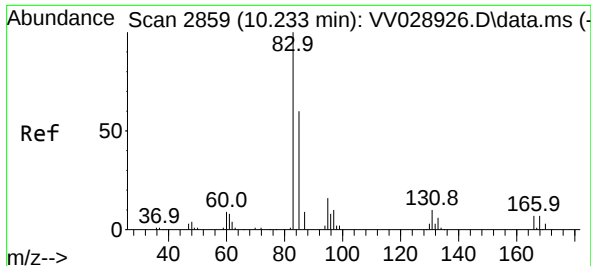
Tgt Ion:106 Resp: 191192
Ion Ratio Lower Upper
106 100
91 210.1 145.7 270.7



#55
Styrene
Concen: 5.574 ug/L
RT: 9.554 min Scan# 2648
Delta R.T. 0.003 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

Tgt Ion:104 Resp: 326654
Ion Ratio Lower Upper
104 100
78 42.6 30.1 55.9

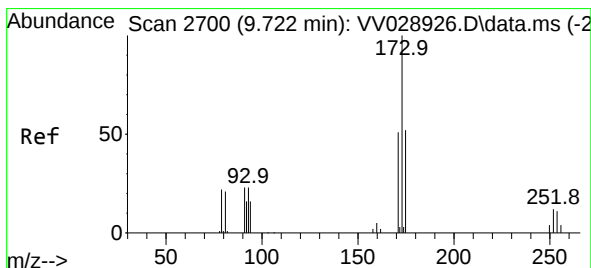
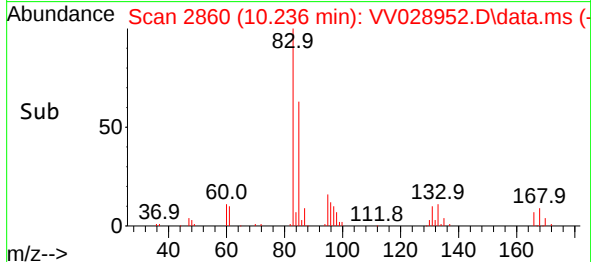
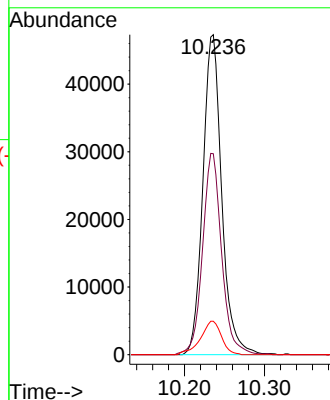
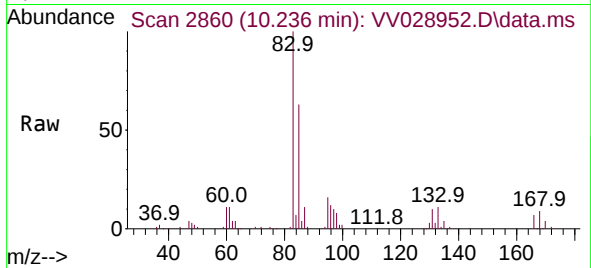




#57
1,1,2,2-Tetrachloroethane
Concen: 5.370 ug/L
RT: 10.236 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

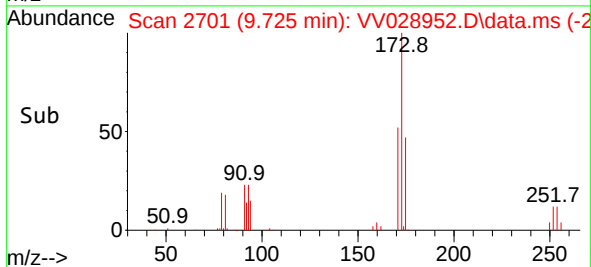
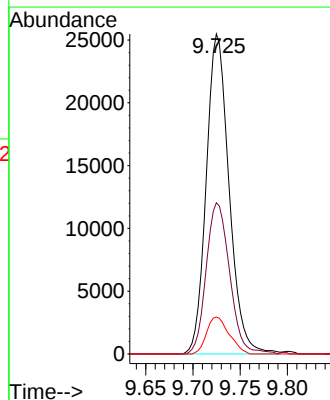
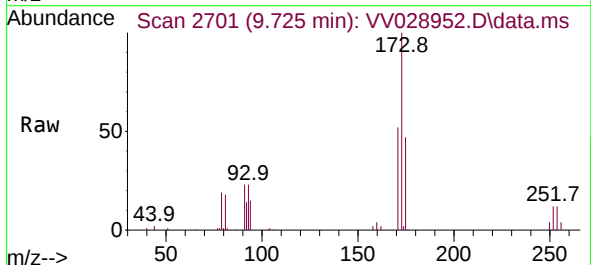
Instrument :
MSVOA_V
ClientSampleId :
VSTD005345

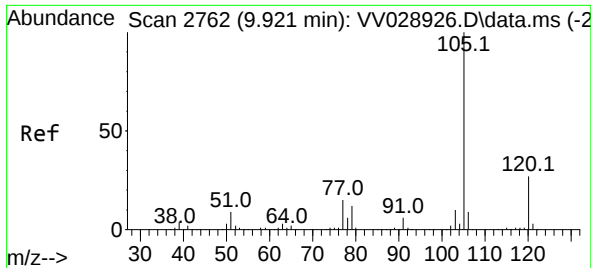
Tgt Ion: 83 Resp: 77632
Ion Ratio Lower Upper
83 100
85 62.8 45.2 84.0
131 10.5 7.5 11.3



#59
Bromoform
Concen: 5.619 ug/L
RT: 9.725 min Scan# 2701
Delta R.T. 0.003 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

Tgt Ion: 173 Resp: 42812
Ion Ratio Lower Upper
173 100
175 48.5 38.2 57.4
254 11.3 8.5 12.7

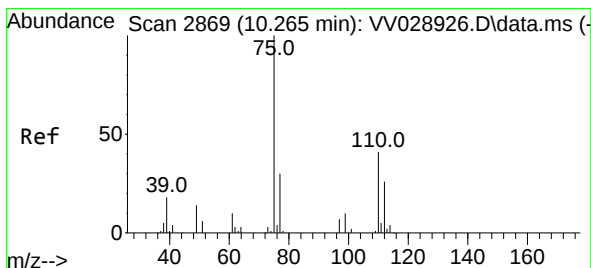
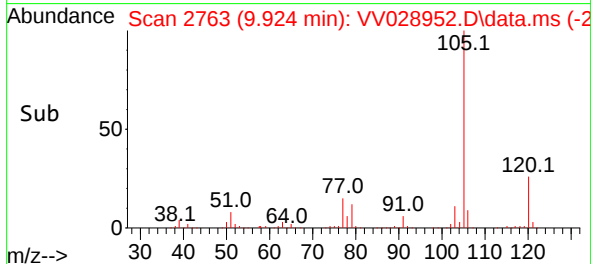
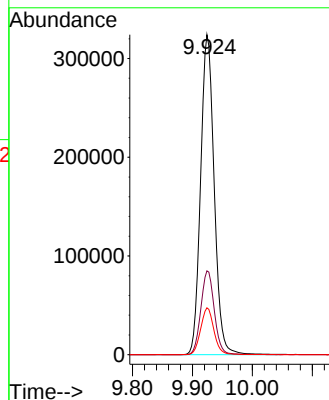
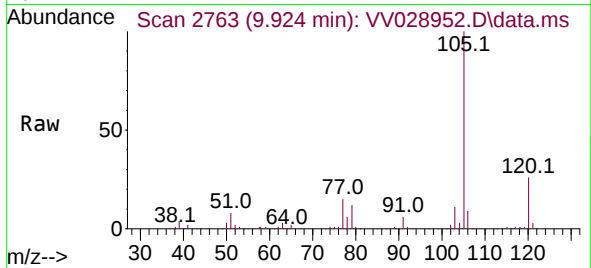




#60
Isopropylbenzene
Concen: 5.643 ug/L
RT: 9.924 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

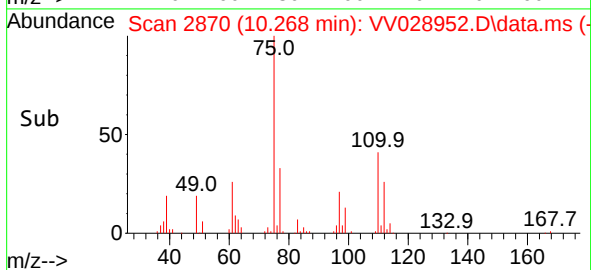
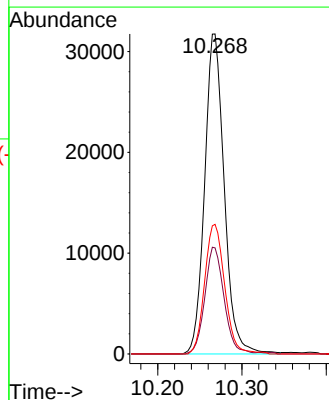
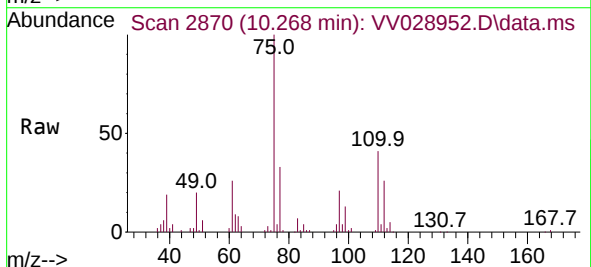
Instrument :
MSVOA_V
ClientSampleId :
VSTD005345

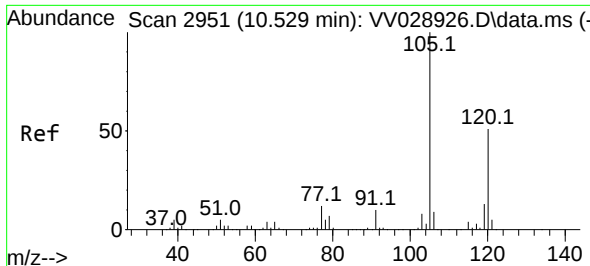
Tgt Ion:105 Resp: 511928
Ion Ratio Lower Upper
105 100
120 26.0 21.3 31.9
77 14.3 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.396 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. 0.003 min
Lab File: VV028952.D
Acq: 14 Nov 2022 20:50

Tgt Ion: 75 Resp: 51533
Ion Ratio Lower Upper
75 100
77 32.7 26.2 39.2
110 41.4 32.6 48.8





#62

1,3,5-Trimethylbenzene

Concen: 5.359 ug/L

RT: 10.532 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

Instrument :

MSVOA_V

ClientSampleId :

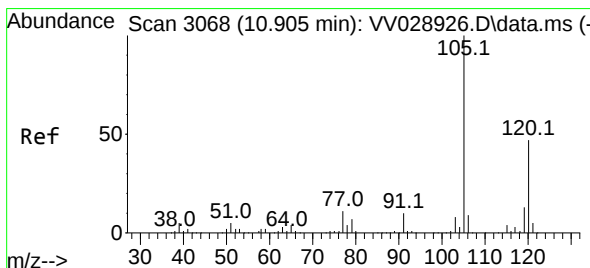
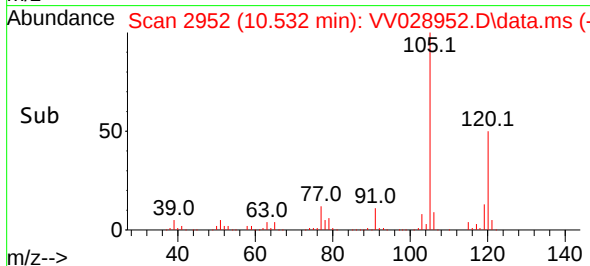
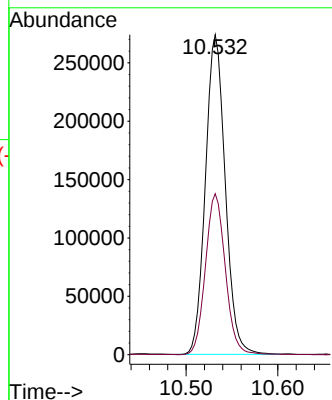
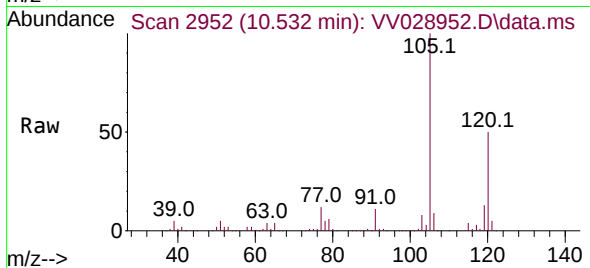
VSTD005345

Tgt Ion:105 Resp: 411876

Ion Ratio Lower Upper

105 100

120 50.6 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 5.388 ug/L

RT: 10.908 min Scan# 3069

Delta R.T. 0.003 min

Lab File: VV028952.D

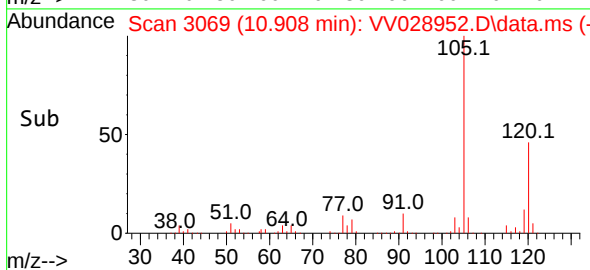
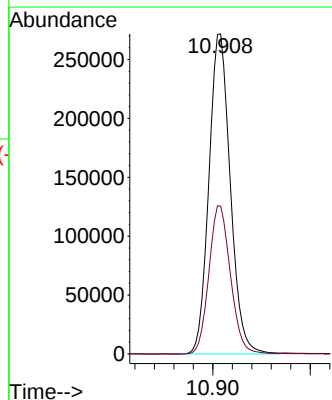
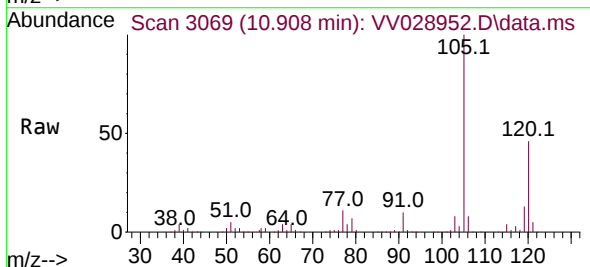
Acq: 14 Nov 2022 20:50

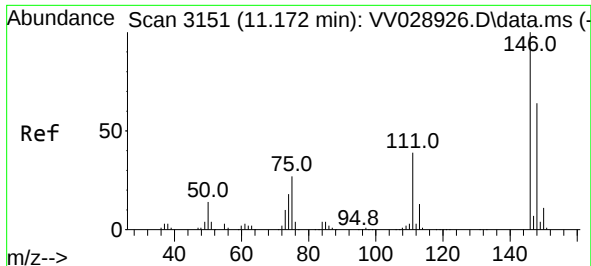
Tgt Ion:105 Resp: 414741

Ion Ratio Lower Upper

105 100

120 46.7 37.8 56.8

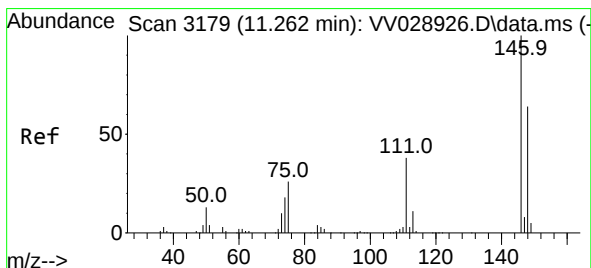
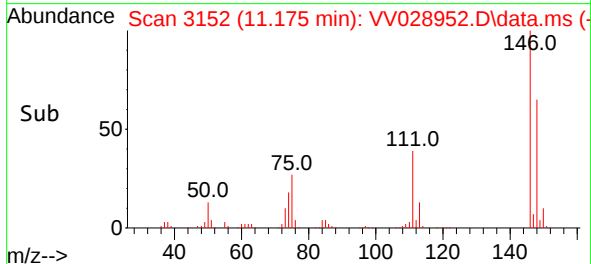
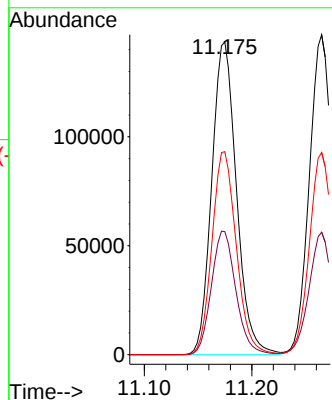
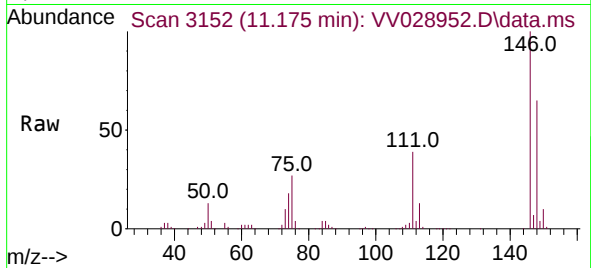




#64
 1,3-Dichlorobenzene
 Concen: 5.376 ug/L
 RT: 11.175 min Scan# 3151
 Delta R.T. 0.003 min
 Lab File: VV028952.D
 Acq: 14 Nov 2022 20:50

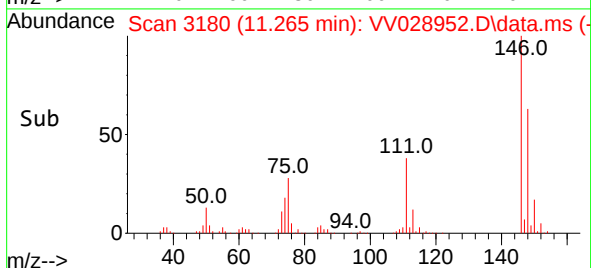
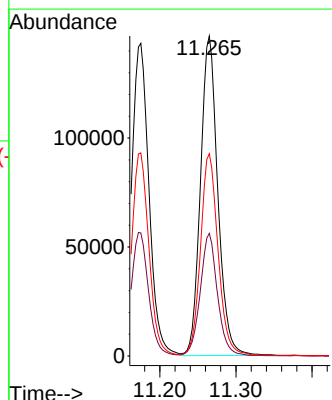
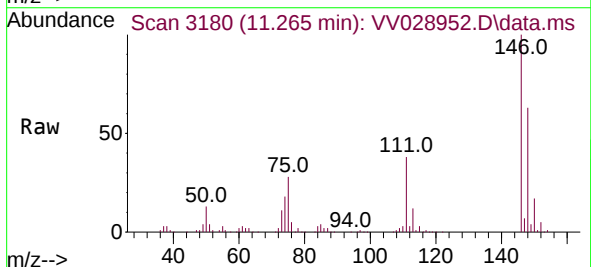
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005345

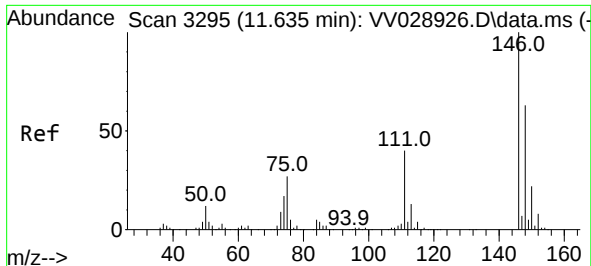
Tgt Ion:146 Resp: 229157
 Ion Ratio Lower Upper
 146 100
 111 39.4 26.9 50.1
 148 64.9 44.1 81.9



#65
 1,4-Dichlorobenzene
 Concen: 5.435 ug/L
 RT: 11.265 min Scan# 3180
 Delta R.T. 0.003 min
 Lab File: VV028952.D
 Acq: 14 Nov 2022 20:50

Tgt Ion:146 Resp: 232870
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.5 49.3
 148 63.2 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 5.390 ug/L

RT: 11.635 min Scan# 3295

Delta R.T. -0.000 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD005345

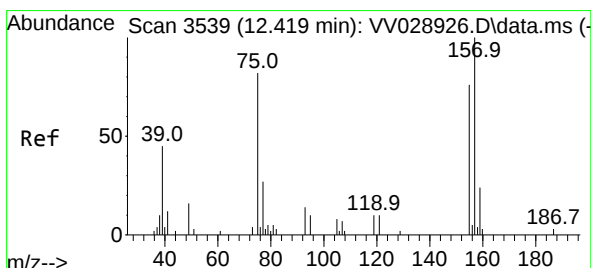
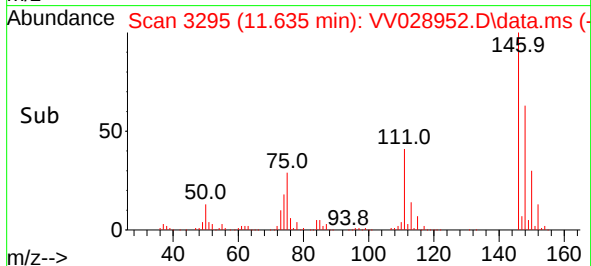
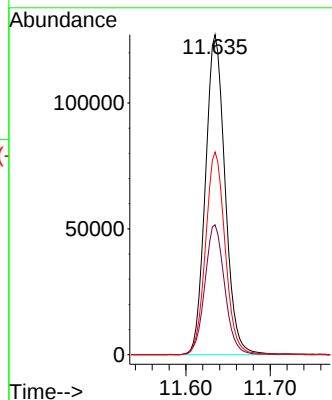
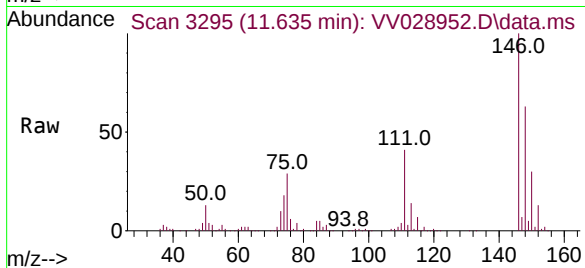
Tgt Ion:146 Resp: 206408

Ion Ratio Lower Upper

146 100

111 40.6 32.4 48.6

148 63.3 49.4 74.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.318 ug/L

RT: 12.419 min Scan# 3539

Delta R.T. -0.000 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

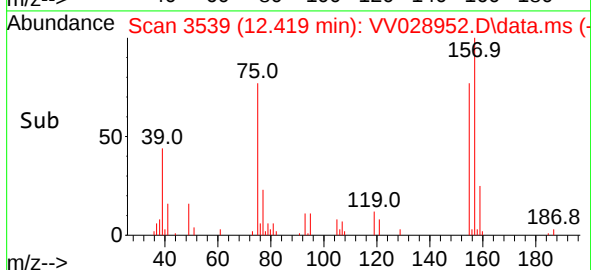
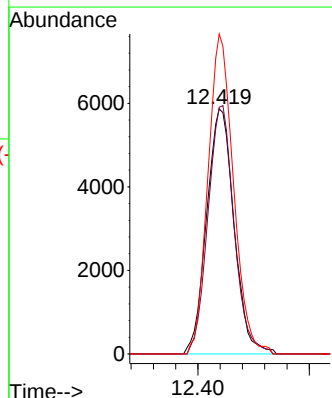
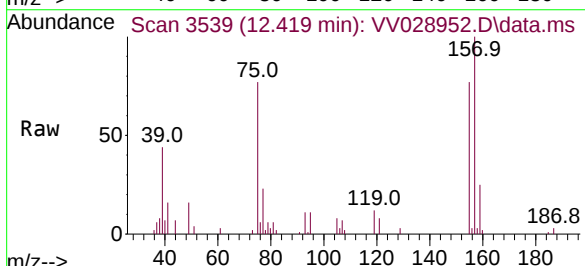
Tgt Ion: 75 Resp: 9994

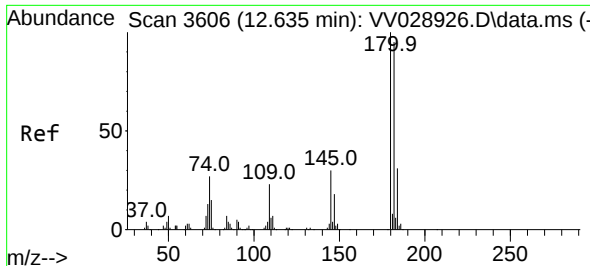
Ion Ratio Lower Upper

75 100

155 100.6 64.8 97.2#

157 130.5 86.3 129.5#



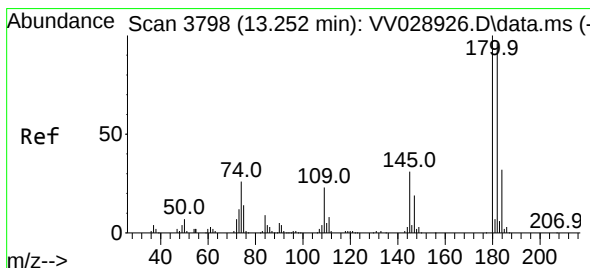
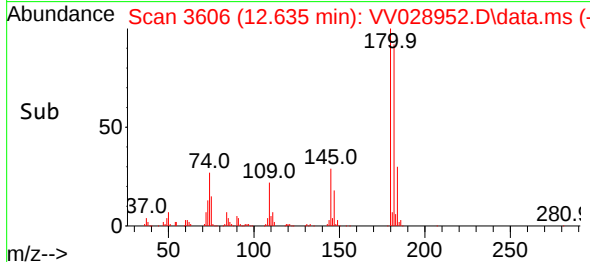
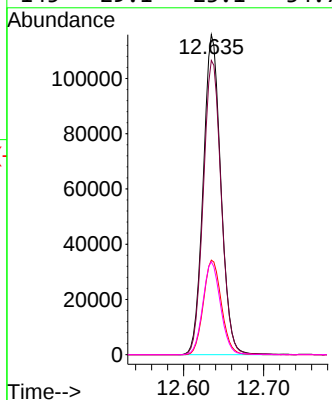
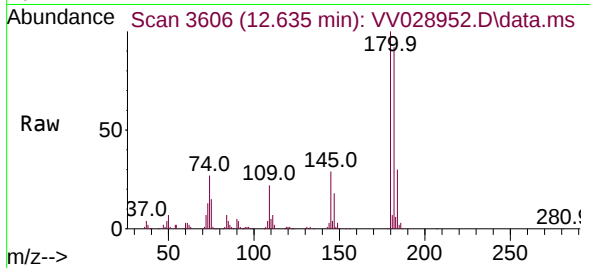


#69
 1,3,5-Trichlorobenzene
 Concen: 5.404 ug/L
 RT: 12.635 min Scan# 3606
 Delta R.T. -0.000 min
 Lab File: VV028952.D
 Acq: 14 Nov 2022 20:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005345

Tgt Ion:180 Resp: 177700

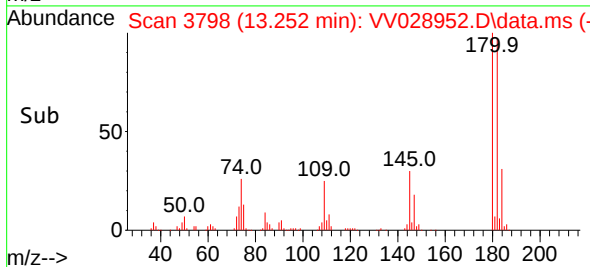
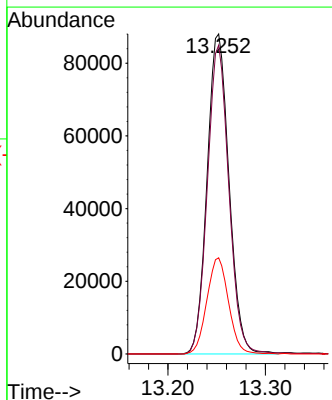
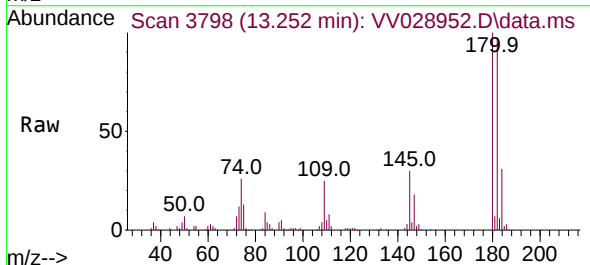
Ion	Ratio	Lower	Upper
180	100		
182	93.4	76.7	115.1
184	30.2	24.0	36.0
145	29.1	23.1	34.7

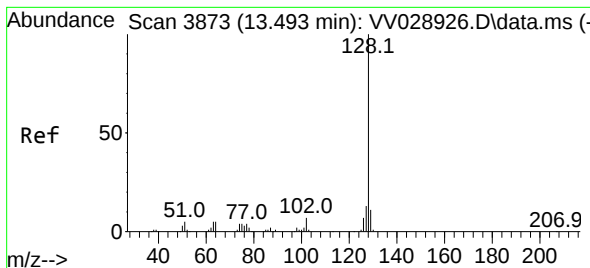


#70
 1,2,4-trichlorobenzene
 Concen: 5.541 ug/L
 RT: 13.252 min Scan# 3798
 Delta R.T. -0.000 min
 Lab File: VV028952.D
 Acq: 14 Nov 2022 20:50

Tgt Ion:180 Resp: 137827

Ion	Ratio	Lower	Upper
180	100		
182	94.6	74.3	111.5
145	29.7	23.7	35.5





#71

Naphthalene

Concen: 5.801 ug/L

RT: 13.493 min Scan# 3873

Delta R.T. -0.000 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD005345

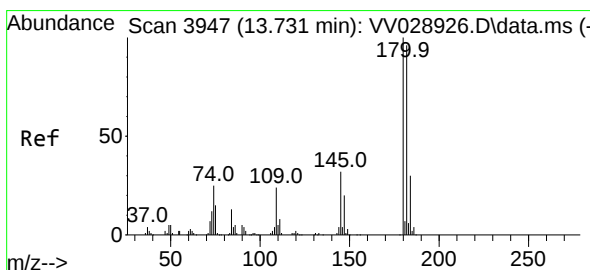
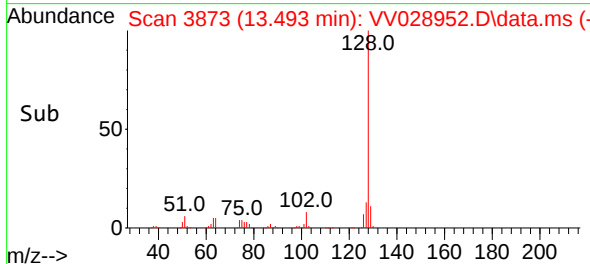
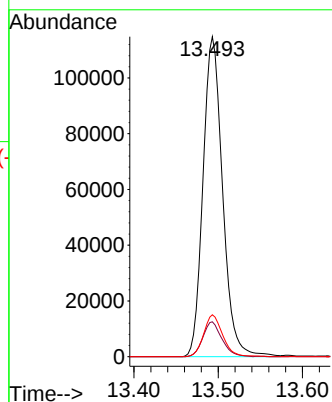
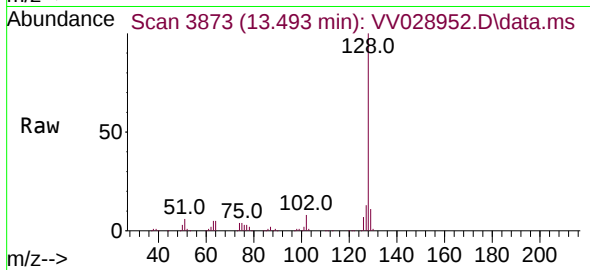
Tgt Ion:128 Resp: 186165

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

127 12.7 9.8 14.8



#72

1,2,3-Trichlorobenzene

Concen: 5.600 ug/L

RT: 13.734 min Scan# 3948

Delta R.T. 0.003 min

Lab File: VV028952.D

Acq: 14 Nov 2022 20:50

Tgt Ion:180 Resp: 117975

Ion Ratio Lower Upper

180 100

182 95.0 75.4 113.2

145 32.0 24.9 37.3

