

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
 Data File : VV028218.D
 Acq On : 30 Sep 2022 11:29
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005312

Quant Time: Sep 30 22:55:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 29 01:25:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	163351	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	159913	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	90491	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	72218	4.264	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.200%
7) Chloroethane-d5	1.561	69	61067	4.535	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.800%
11) 1,1-Dichloroethene-d2	2.101	63	127477	4.340	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.800%
20) 2-Butanone-d5	3.892	46	115430	40.373	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.740%
24) Chloroform-d	4.336	84	117397	4.344	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
26) 1,2-Dichloroethane-d4	5.024	65	53715	4.177	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.600%
32) Benzene-d6	5.040	84	233236	4.448	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
36) 1,2-Dichloropropane-d6	6.063	67	65436	4.003	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.000%
41) Toluene-d8	7.310	98	229851	4.843	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
43) trans-1,3-Dichloroprop...	7.616	79	26394	4.470	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.400%
46) 2-Hexanone-d5	8.085	63	113800	46.177	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.360%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	54993	4.922	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	87334	4.920	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	59256	4.857	ug/L	94
3) Chloromethane	1.236	50	49899	3.088	ug/L	99
5) Vinyl chloride	1.304	62	61658	4.868	ug/L	99
6) Bromomethane	1.516	94	39708	4.814	ug/L	99
8) Chloroethane	1.577	64	45359	5.340	ug/L	87
9) Trichlorofluoromethane	1.748	101	108709	5.405	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	64434	5.559	ug/L	96
12) 1,1-Dichloroethene	2.111	96	55477	4.914	ug/L	81
13) Acetone	2.185	43	94759	43.029	ug/L	98
14) Carbon disulfide	2.285	76	100790	4.653	ug/L	98
15) Methyl Acetate	2.433	43	17101	4.000	ug/L #	79
16) Methylene chloride	2.497	84	61006	4.841	ug/L	88
17) Methyl tert-butyl Ether	2.761	73	123240	5.075	ug/L	96
18) trans-1,2-Dichloroethene	2.751	96	49666	5.026	ug/L	94
19) 1,1-Dichloroethane	3.179	63	101050	4.687	ug/L	98
21) 2-Butanone	3.973	43	107890	39.572	ug/L	92
22) cis-1,2-Dichloroethene	3.902	96	60909	4.697	ug/L	85
23) Bromochloromethane	4.240	128	27529	5.302	ug/L #	73
25) Chloroform	4.365	83	111634	4.826	ug/L	97

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

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005312

Quant Time: Sep 30 22:55:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 29 01:25:35 2022
 Response via : Initial Calibration

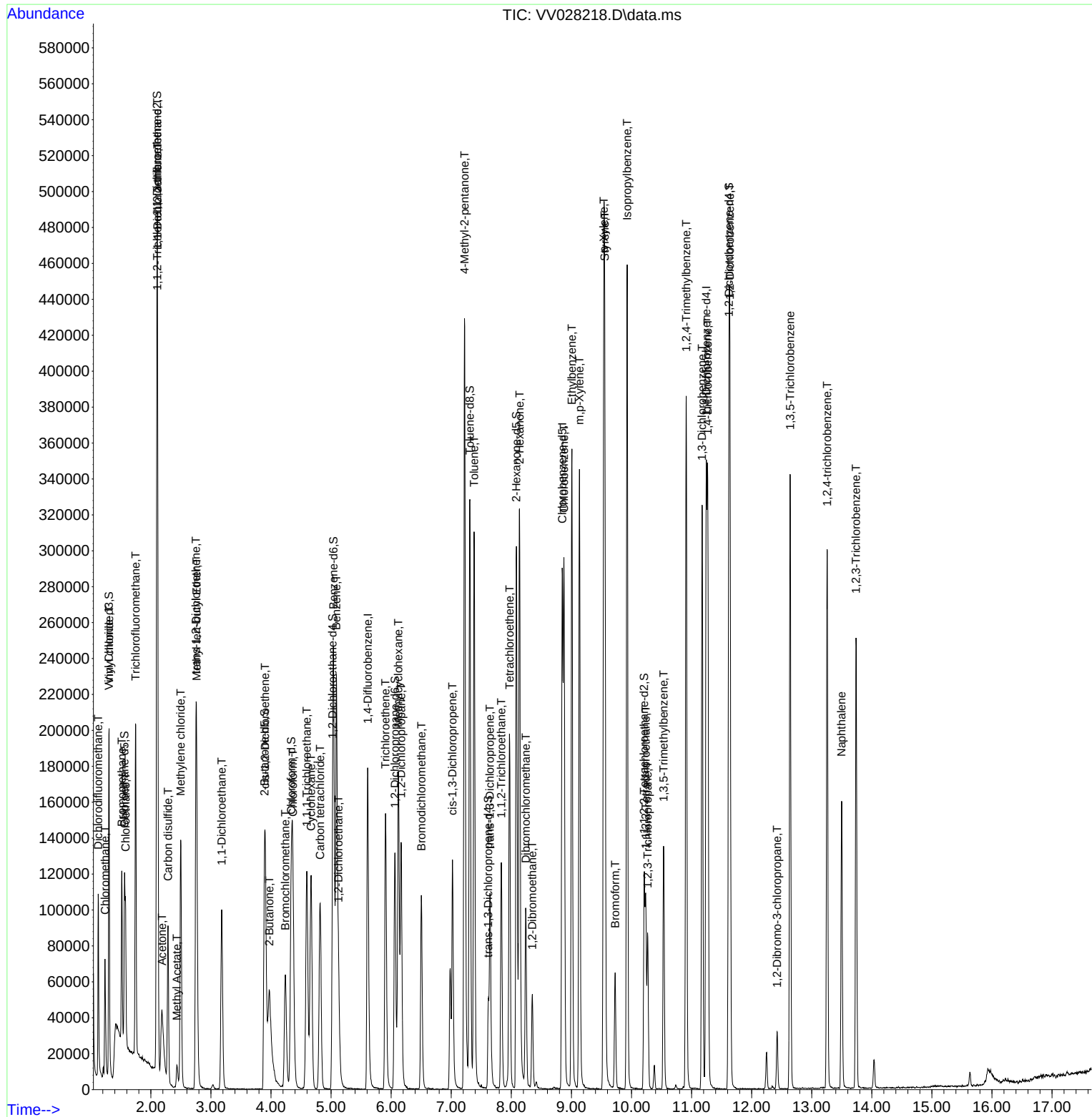
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	57428	4.656	ug/L #	94
29) 1,1,1-Trichloroethane	4.596	97	101287	5.155	ug/L	97
30) Cyclohexane	4.667	56	61708	4.342	ug/L	86
31) Carbon tetrachloride	4.815	117	82178	5.082	ug/L	98
33) Benzene	5.088	78	222871	5.019	ug/L	100
34) Trichloroethene	5.905	95	55409	5.013	ug/L	93
35) Methylcyclohexane	6.121	83	74141	4.891	ug/L	93
37) 1,2-Dichloropropane	6.166	63	53514	4.299	ug/L #	97
38) Bromodichloromethane	6.503	83	75175	4.891	ug/L #	96
39) cis-1,3-Dichloropropene	7.021	75	78593	5.083	ug/L	100
40) 4-Methyl-2-pentanone	7.220	43	272114	45.013	ug/L #	93
42) Toluene	7.381	91	233753	5.046	ug/L	98
44) trans-1,3-Dichloropropene	7.645	75	65536	4.928	ug/L	98
45) 1,1,2-Trichloroethane	7.834	97	43065	5.161	ug/L	97
47) Tetrachloroethene	7.969	164	50063	5.674	ug/L	95
48) 2-Hexanone	8.137	43	195107	42.514	ug/L #	93
49) Dibromochloromethane	8.239	129	52796	5.262	ug/L	95
50) 1,2-Dibromoethane	8.349	107	36698	5.060	ug/L	100
51) Chlorobenzene	8.876	112	166838	5.370	ug/L	97
52) Ethylbenzene	9.008	91	247352	5.048	ug/L	99
53) m,p-Xylene	9.133	106	101256	5.392	ug/L	93
54) o-Xylene	9.538	106	101065	5.450	ug/L	96
55) Styrene	9.555	104	180258	5.609	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.236	83	50886	5.233	ug/L #	99
59) Bromoform	9.728	173	29940	5.211	ug/L	99
60) Isopropylbenzene	9.927	105	284076	5.348	ug/L	99
61) 1,2,3-Trichloropropane	10.268	75	35338	4.656	ug/L	94
62) 1,3,5-Trimethylbenzene	10.535	105	75138	5.022	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	218003	5.213	ug/L	100
64) 1,3-Dichlorobenzene	11.175	146	140051	5.299	ug/L	99
65) 1,4-Dichlorobenzene	11.268	146	144757	5.474	ug/L	97
67) 1,2-Dichlorobenzene	11.638	146	145200	5.816	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.423	75	7851	4.719	ug/L	91
69) 1,3,5-Trichlorobenzene	12.641	180	112715	5.388	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	96985	5.797	ug/L	98
71) Naphthalene	13.496	128	129846	4.739	ug/L	99
72) 1,2,3-Trichlorobenzene	13.738	180	81047	5.356	ug/L	97

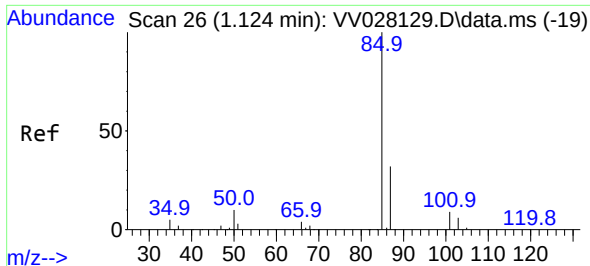
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Data File : VV028218.D
Acq On : 30 Sep 2022 11:29
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Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

Quant Time: Sep 30 22:55:19 2022
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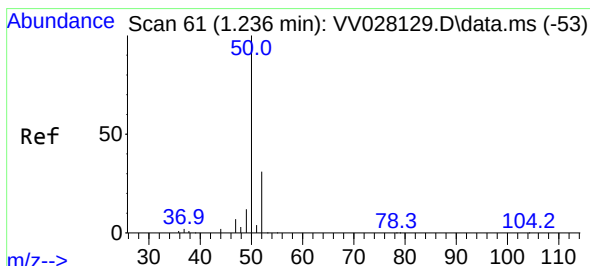
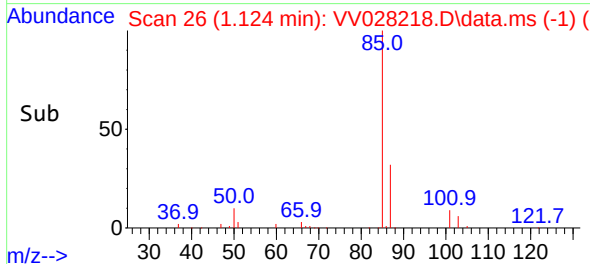
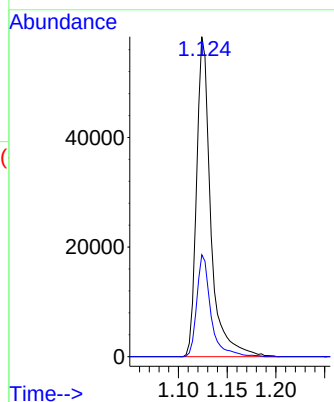
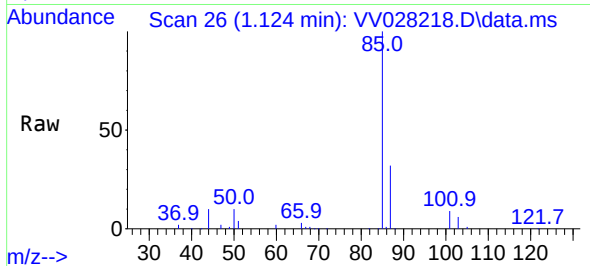




#2
 Dichlorodifluoromethane
 Concen: 4.857 ug/L
 RT: 1.124 min Scan# 26
 Delta R.T. -0.000 min
 Lab File: VV028218.D
 Acq: 30 Sep 2022 11:29

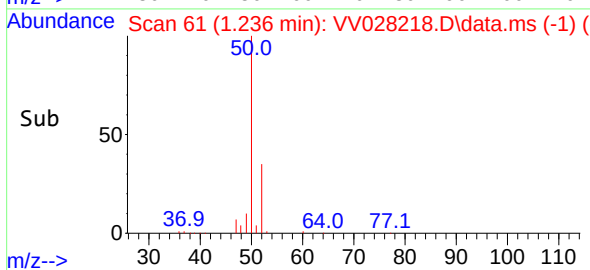
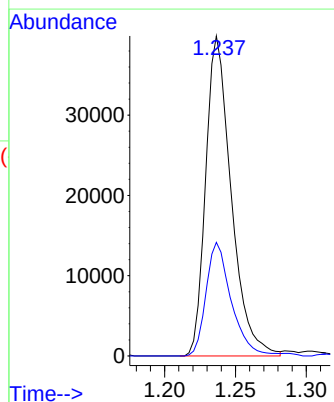
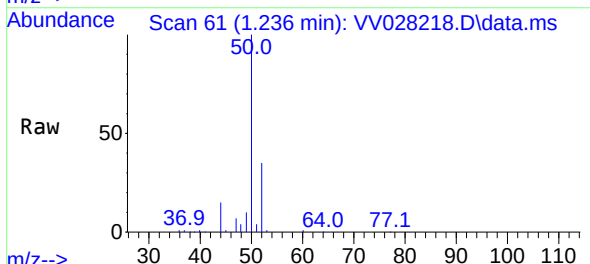
Instrument : MSVOA_V
 ClientSampleId : VSTD005312

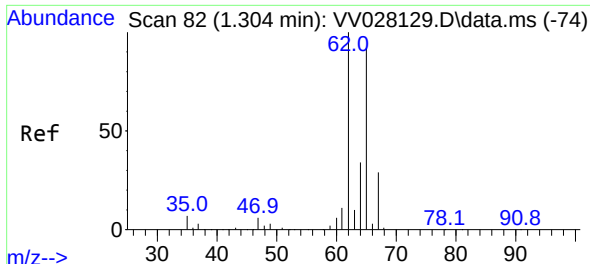
Tgt Ion: 85 Resp: 59256
 Ion Ratio Lower Upper
 85 100
 87 31.7 22.8 34.2



#3
 Chloromethane
 Concen: 3.088 ug/L
 RT: 1.236 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VV028218.D
 Acq: 30 Sep 2022 11:29

Tgt Ion: 50 Resp: 49899
 Ion Ratio Lower Upper
 50 100
 52 35.5 24.4 45.2

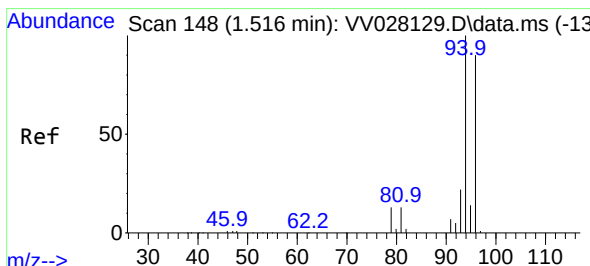
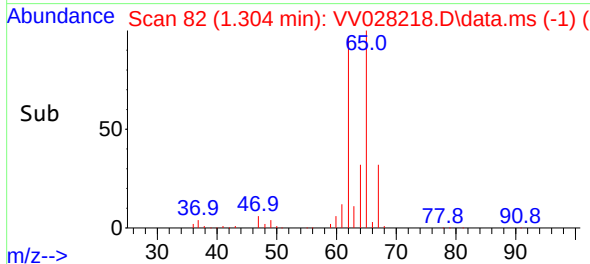
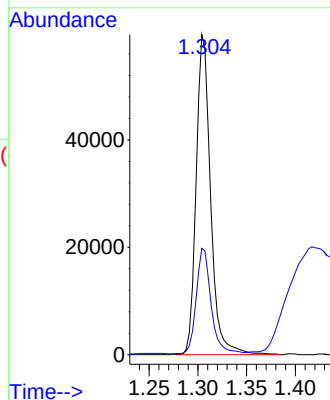
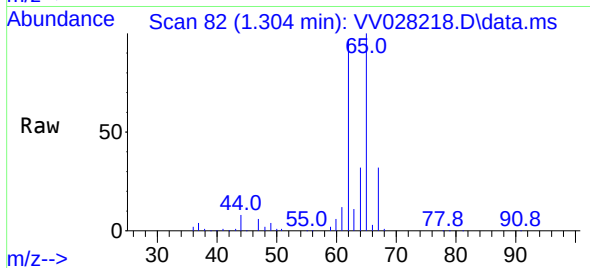




#5
 Vinyl chloride
 Concen: 4.868 ug/L
 RT: 1.304 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VV028218.D
 Acq: 30 Sep 2022 11:29

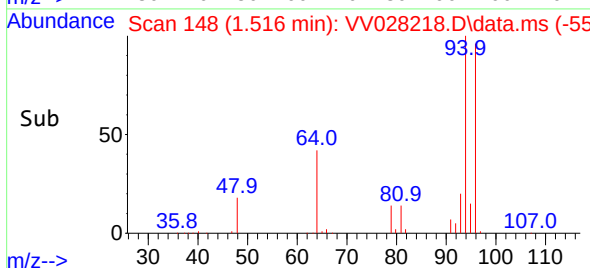
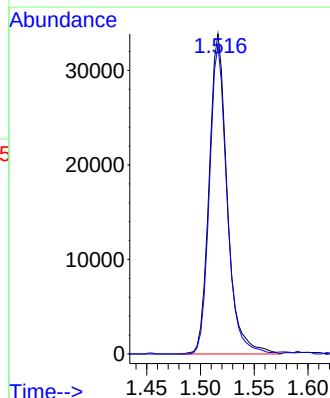
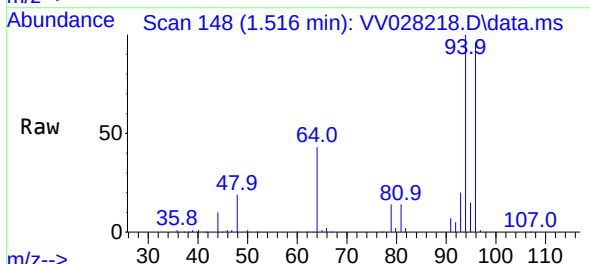
Instrument :
 MSVOA_V
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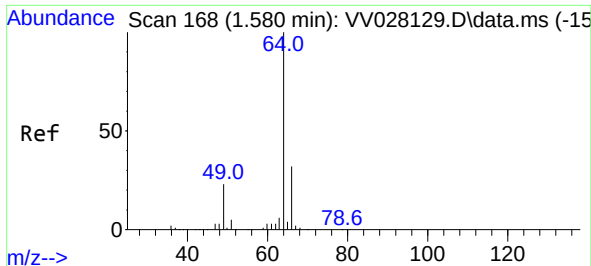
Tgt Ion: 62 Resp: 61658
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.0 42.8



#6
 Bromomethane
 Concen: 4.814 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VV028218.D
 Acq: 30 Sep 2022 11:29

Tgt Ion: 94 Resp: 39708
 Ion Ratio Lower Upper
 94 100
 96 96.4 66.7 123.9

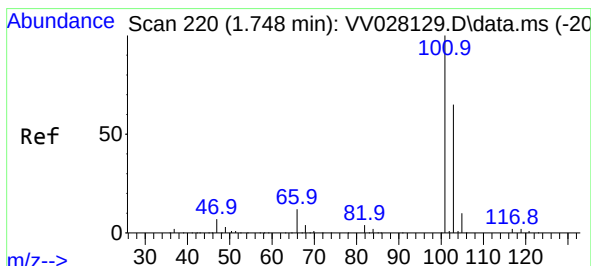
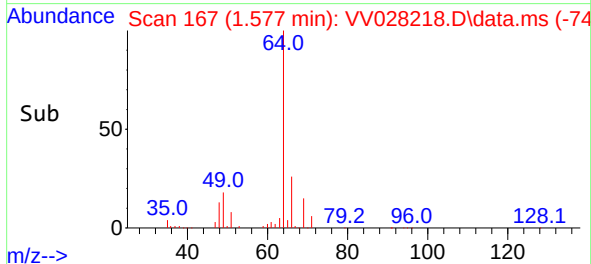
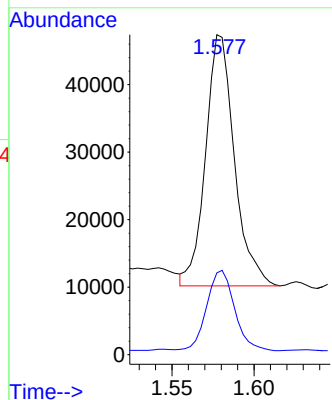
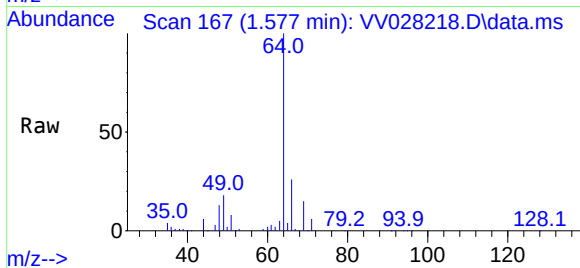




#8
Chloroethane
Concen: 5.340 ug/L
RT: 1.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

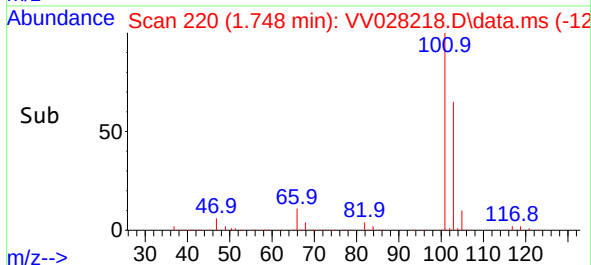
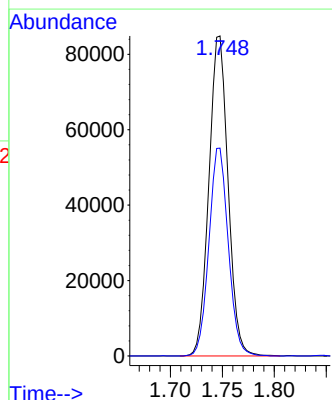
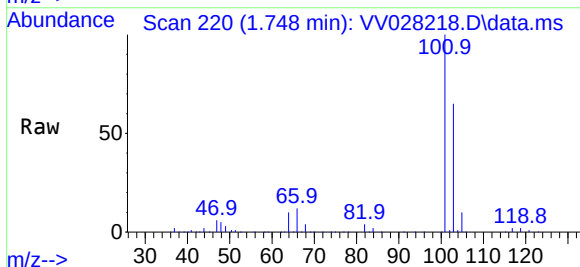
Instrument :
MSVOA_V
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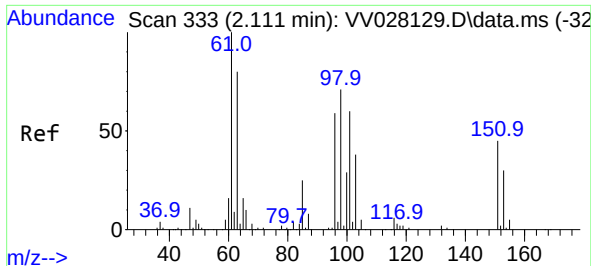
Tgt Ion: 64 Resp: 45359
Ion Ratio Lower Upper
64 100
66 25.6 23.0 42.8



#9
Trichlorofluoromethane
Concen: 5.405 ug/L
RT: 1.748 min Scan# 220
Delta R.T. 0.003 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

Tgt Ion:101 Resp: 108709
Ion Ratio Lower Upper
101 100
103 65.6 51.4 77.0

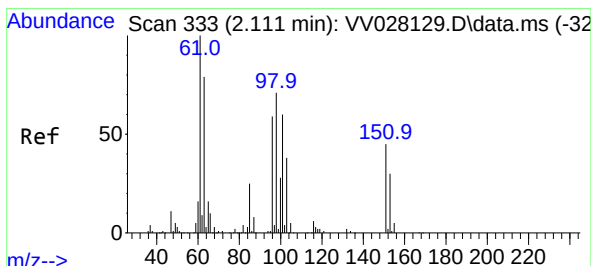
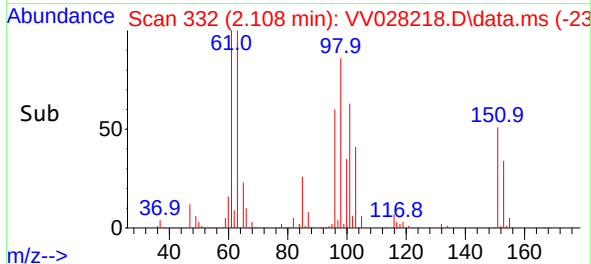
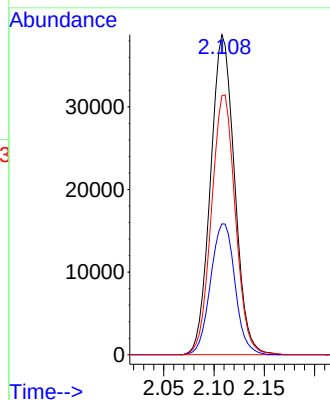
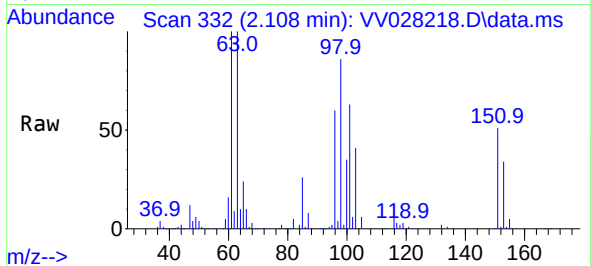




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.559 ug/L
RT: 2.108 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

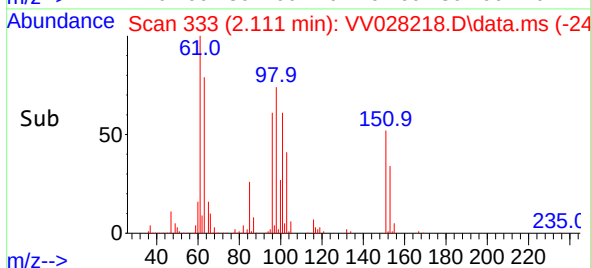
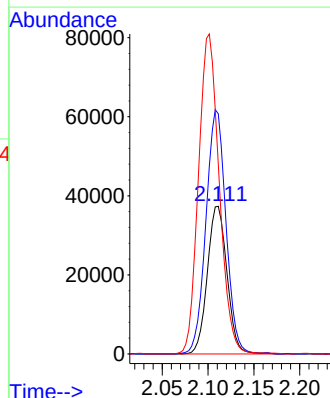
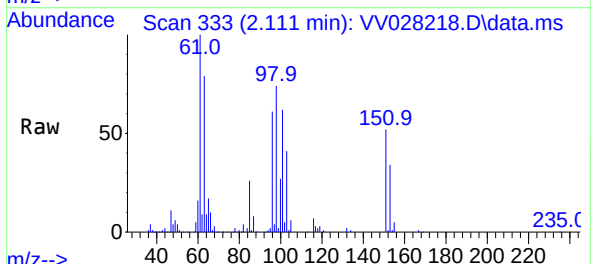
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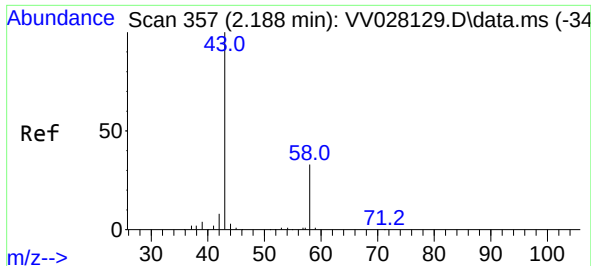
Tgt Ion:101 Resp: 64434
Ion Ratio Lower Upper
101 100
85 41.5 34.4 51.6
151 80.9 61.1 91.7



#12
1,1-Dichloroethene
Concen: 4.914 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

Tgt Ion: 96 Resp: 55477
Ion Ratio Lower Upper
96 100
61 162.6 128.3 238.3
63 128.7 112.7 209.3





#13

Acetone

Concen: 43.029 ug/L

RT: 2.185 min Scan# 3

Delta R.T. -0.003 min

Lab File: VV028218.D

Acq: 30 Sep 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

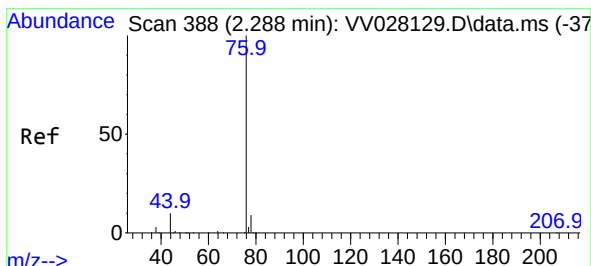
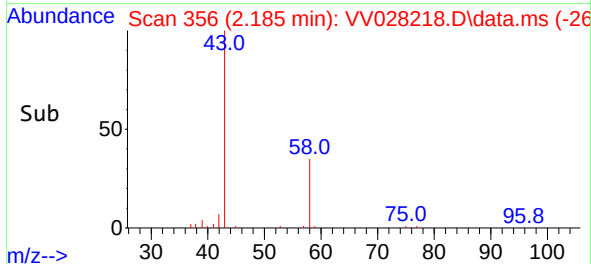
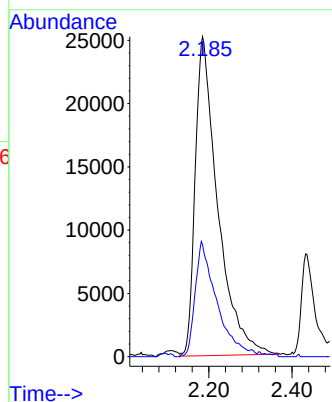
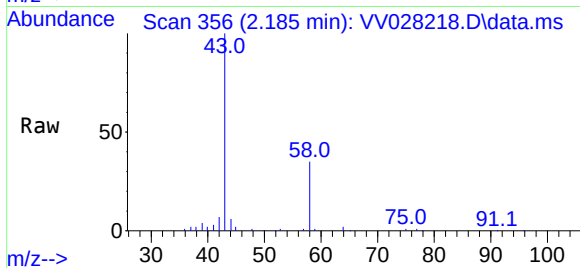
VSTD005312

Tgt Ion: 43 Resp: 94759

Ion Ratio Lower Upper

43 100

58 34.1 0.0 65.6



#14

Carbon disulfide

Concen: 4.653 ug/L

RT: 2.285 min Scan# 387

Delta R.T. -0.000 min

Lab File: VV028218.D

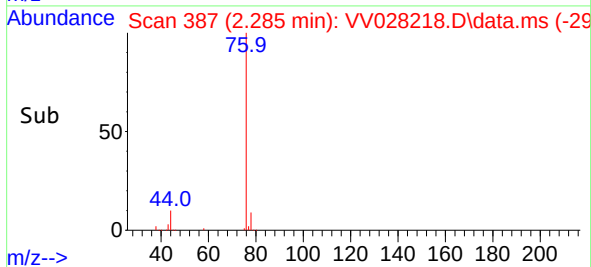
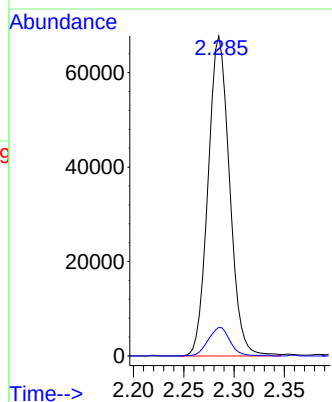
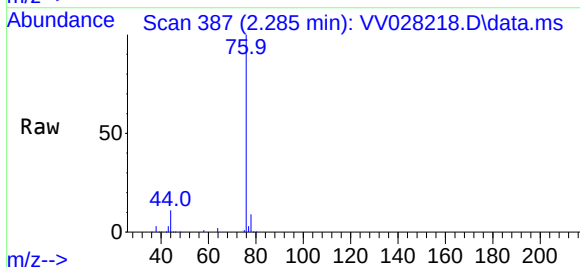
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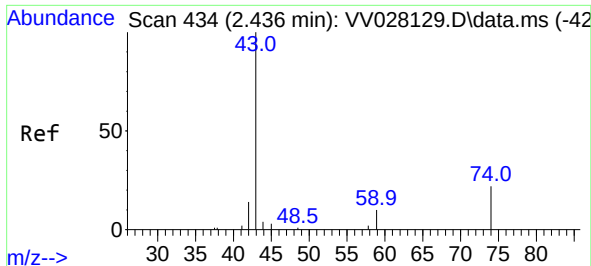
Tgt Ion: 76 Resp: 100790

Ion Ratio Lower Upper

76 100

78 8.9 7.6 11.4

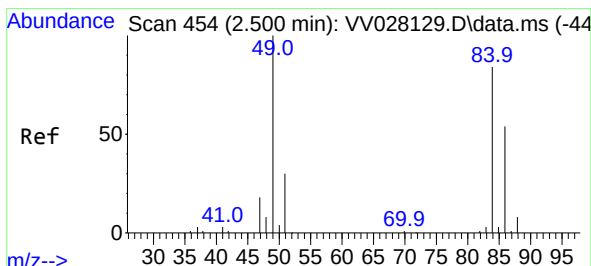
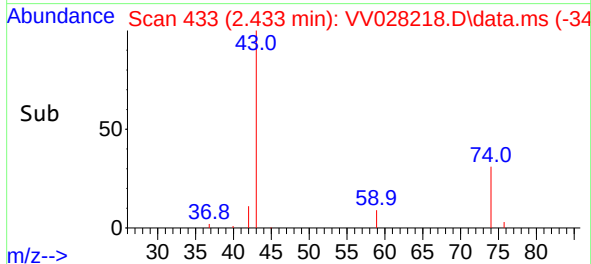
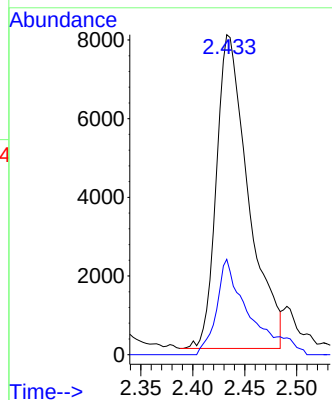
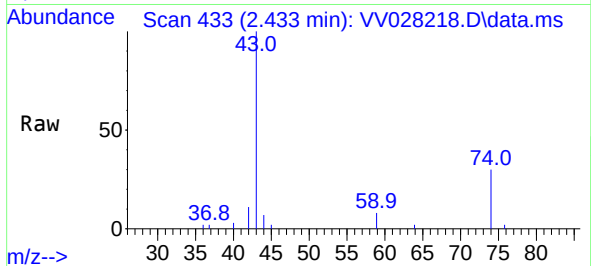




#15
Methyl Acetate
Concen: 4.000 ug/L
RT: 2.433 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

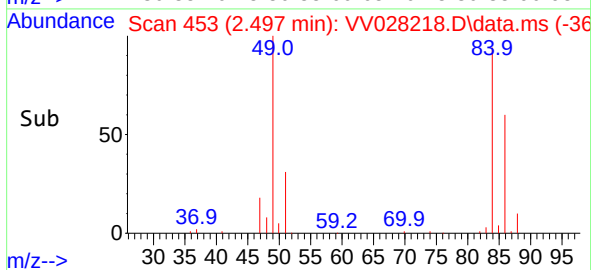
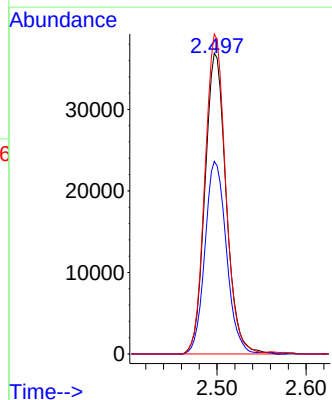
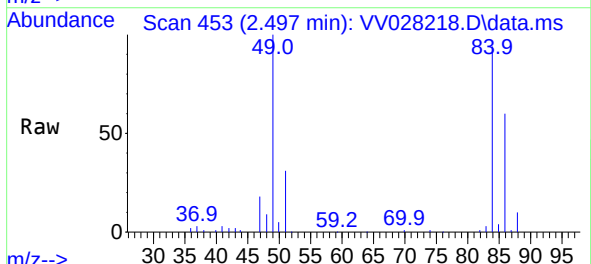
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

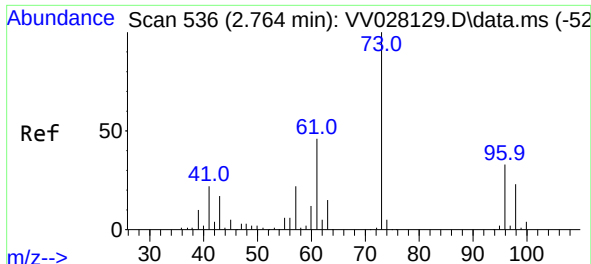
Tgt Ion: 43 Resp: 17101
Ion Ratio Lower Upper
43 100
74 31.0 16.9 25.3#



#16
Methylene chloride
Concen: 4.841 ug/L
RT: 2.497 min Scan# 453
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

Tgt Ion: 84 Resp: 61006
Ion Ratio Lower Upper
84 100
86 64.0 46.8 86.8
49 106.3 87.5 162.5

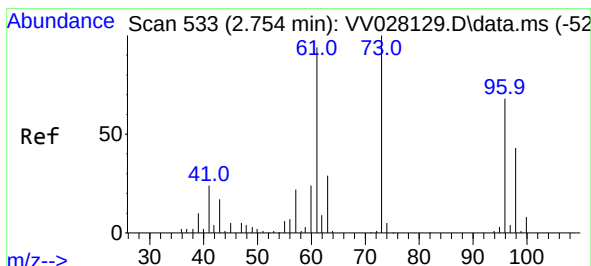
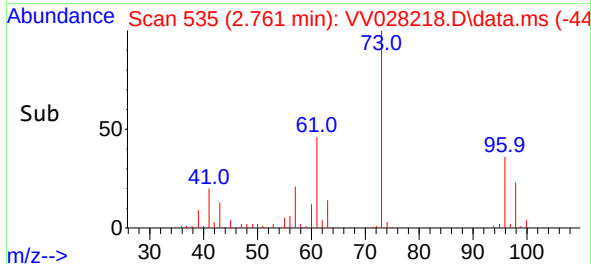
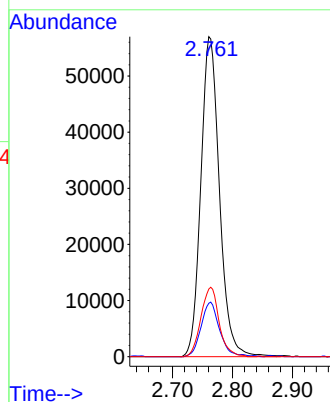
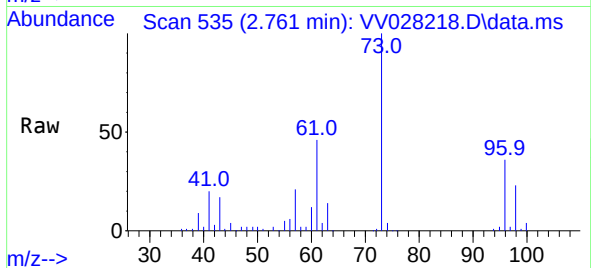




#17
Methyl tert-butyl Ether
Concen: 5.075 ug/L
RT: 2.761 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

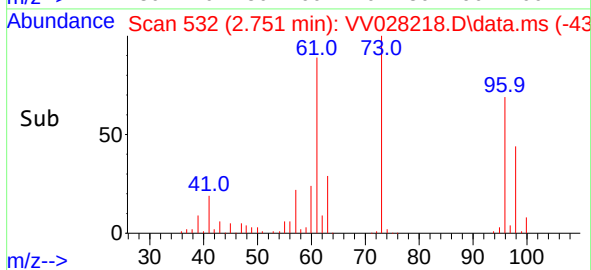
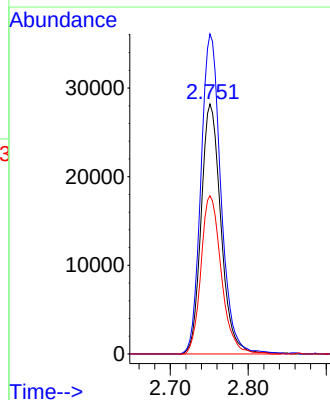
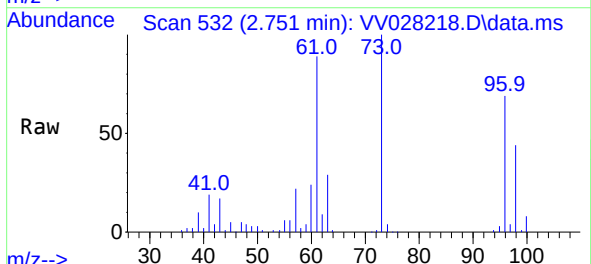
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

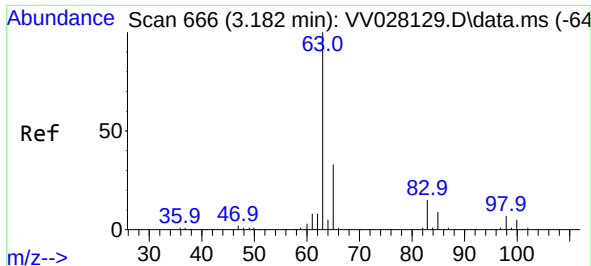
Tgt Ion: 73 Resp: 123240
Ion Ratio Lower Upper
73 100
43 16.7 15.7 23.5
57 21.2 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.026 ug/L
RT: 2.751 min Scan# 532
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

Tgt Ion: 96 Resp: 49666
Ion Ratio Lower Upper
96 100
61 128.0 96.2 178.6
98 63.3 45.7 84.9





#19

1,1-Dichloroethane

Concen: 4.687 ug/L

RT: 3.179 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV028218.D

Acq: 30 Sep 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD005312

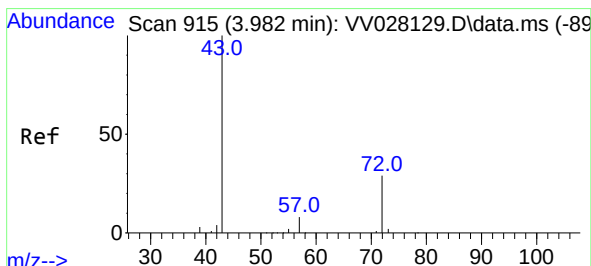
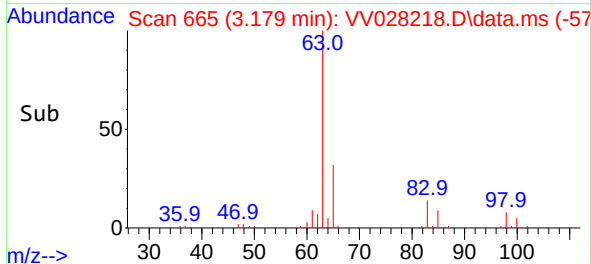
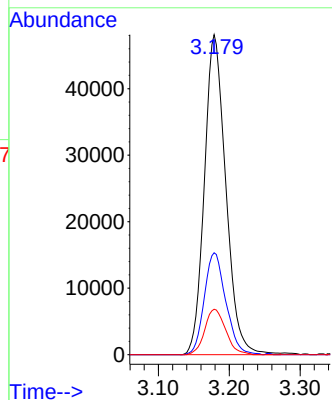
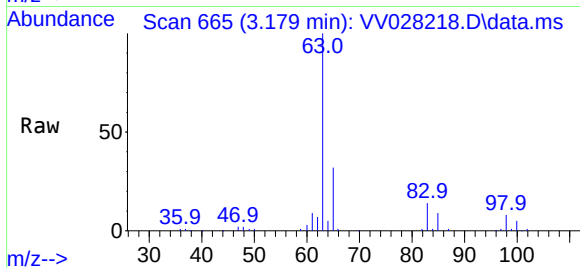
Tgt Ion: 63 Resp: 101050

Ion Ratio Lower Upper

63 100

65 31.9 23.0 42.8

83 14.2 9.2 17.2



#21

2-Butanone

Concen: 39.572 ug/L

RT: 3.973 min Scan# 912

Delta R.T. -0.003 min

Lab File: VV028218.D

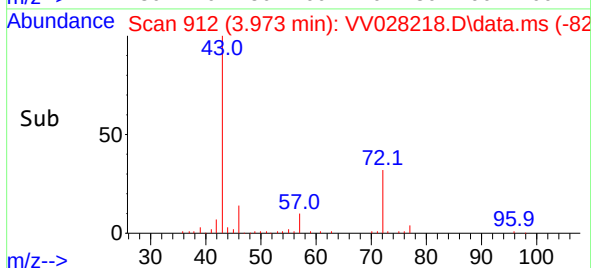
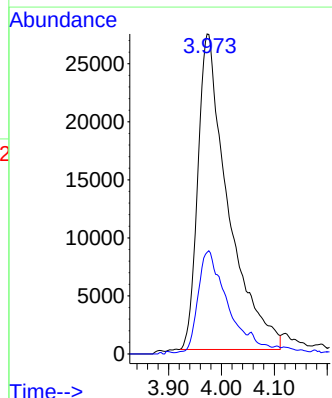
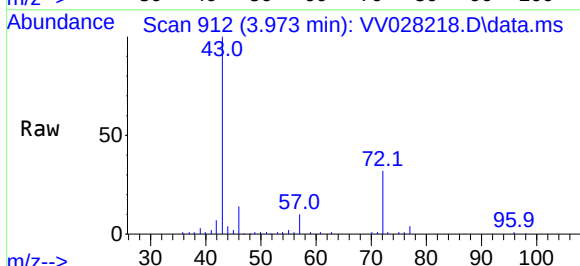
Acq: 30 Sep 2022 11:29

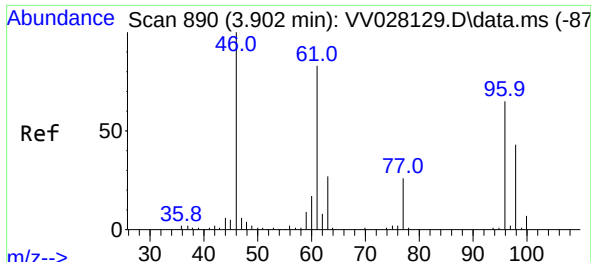
Tgt Ion: 43 Resp: 107890

Ion Ratio Lower Upper

43 100

72 29.5 12.7 38.1



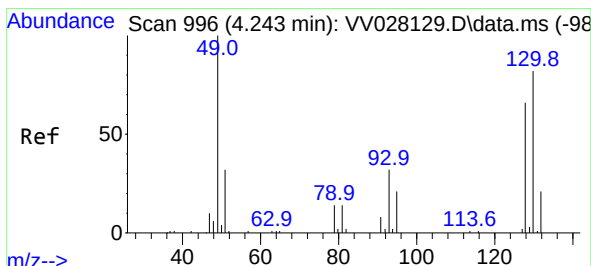
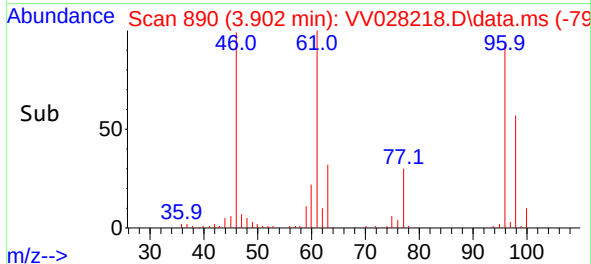
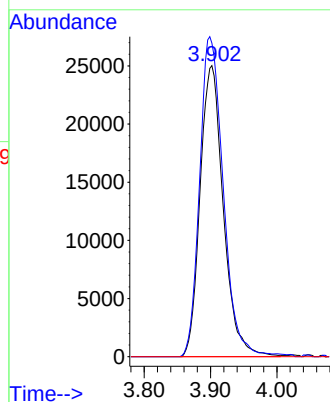
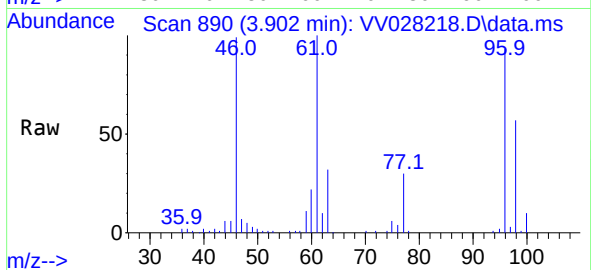


#22
 cis-1,2-Dichloroethene
 Concen: 4.697 ug/L
 RT: 3.902 min Scan# 890
 Delta R.T. 0.003 min
 Lab File: VV028218.D
 Acq: 30 Sep 2022 11:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005312

Tgt Ion: 96 Resp: 60909

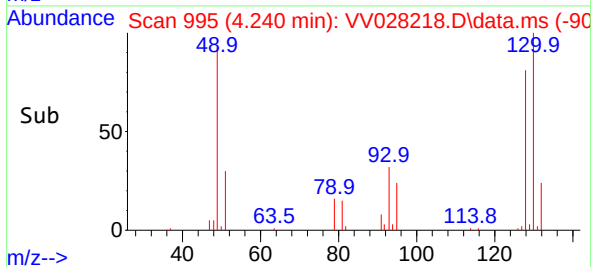
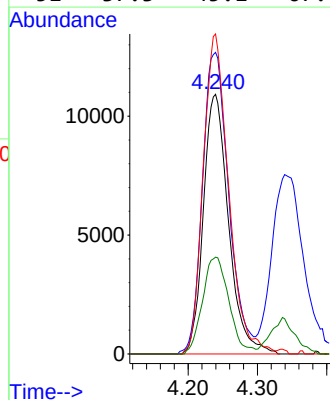
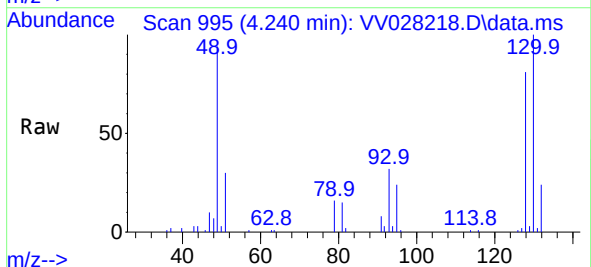
Ion	Ratio	Lower	Upper
96	100		
61	107.8	87.2	161.9
68	0.0	0.0	0.0

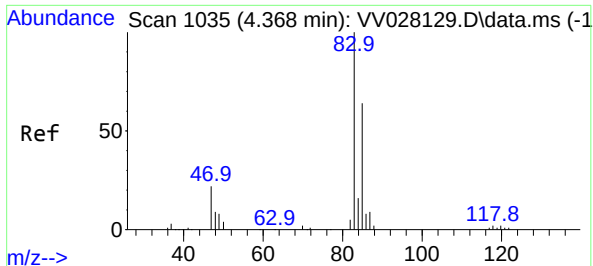


#23
 Bromochloromethane
 Concen: 5.302 ug/L
 RT: 4.240 min Scan# 995
 Delta R.T. -0.000 min
 Lab File: VV028218.D
 Acq: 30 Sep 2022 11:29

Tgt Ion: 128 Resp: 27529

Ion	Ratio	Lower	Upper
128	100		
49	116.1	119.9	222.7#
130	123.2	94.6	175.8
51	37.3	45.1	67.7#





#25

Chloroform

Concen: 4.826 ug/L

RT: 4.365 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VV028218.D

Acq: 30 Sep 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

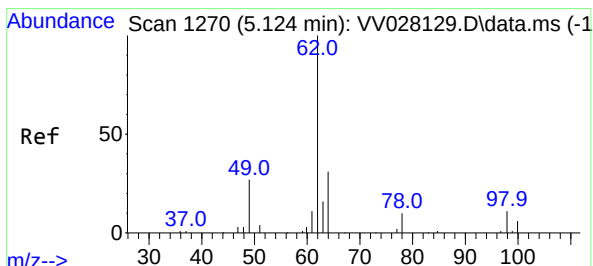
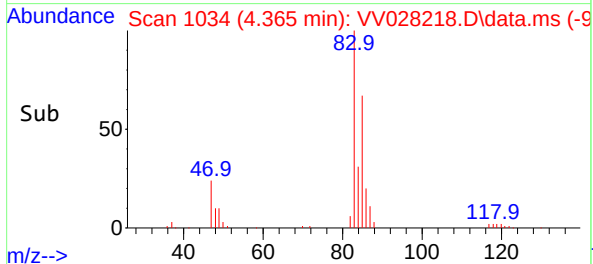
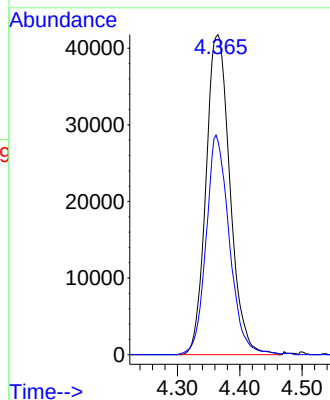
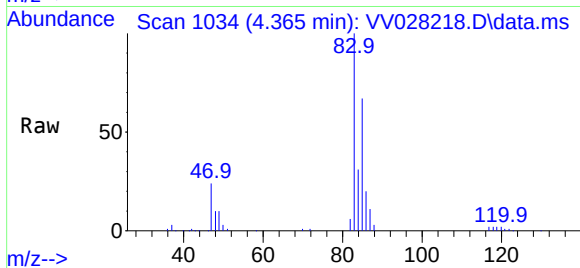
VSTD005312

Tgt Ion: 83 Resp: 111634

Ion Ratio Lower Upper

83 100

85 66.8 45.1 83.7



#27

1,2-Dichloroethane

Concen: 4.656 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VV028218.D

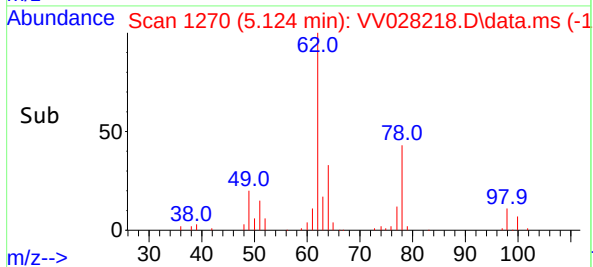
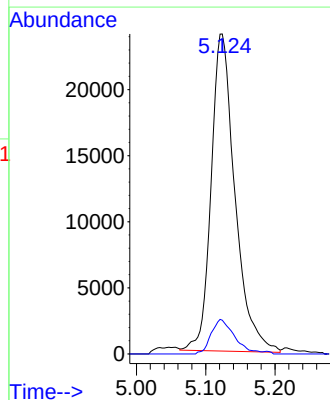
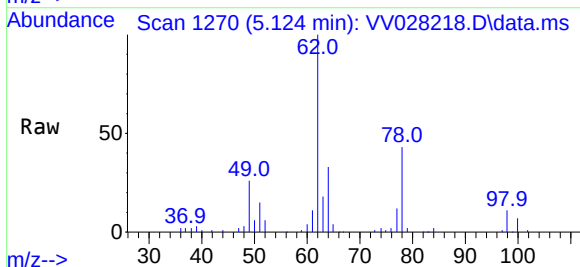
Acq: 30 Sep 2022 11:29

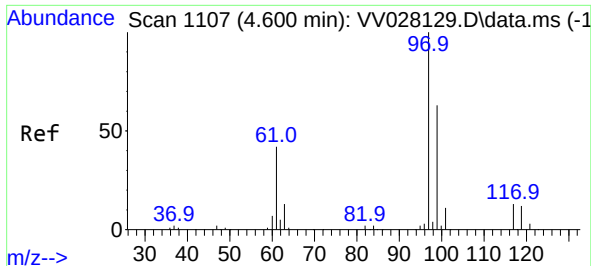
Tgt Ion: 62 Resp: 57428

Ion Ratio Lower Upper

62 100

98 10.5 6.7 10.1#





#29

1,1,1-Trichloroethane

Concen: 5.155 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. -0.003 min

Lab File: VV028218.D

Acq: 30 Sep 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD005312

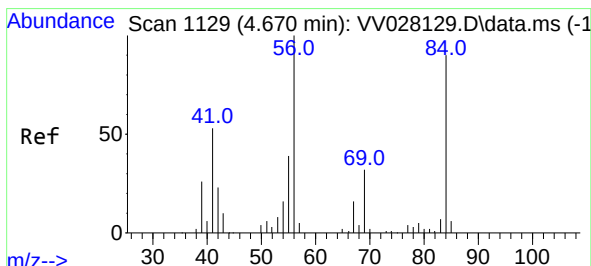
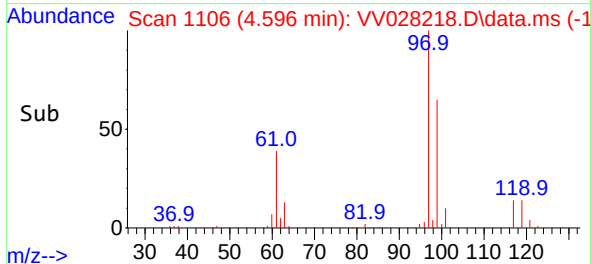
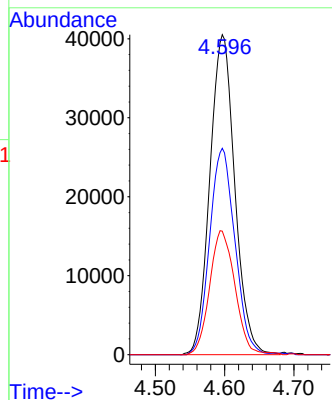
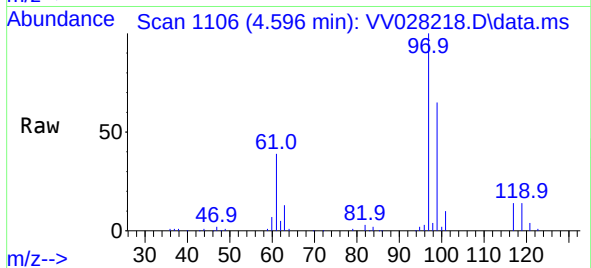
Tgt Ion: 97 Resp: 101287

Ion Ratio Lower Upper

97 100

99 65.4 51.9 77.9

61 39.4 34.8 52.2



#30

Cyclohexane

Concen: 4.342 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. 0.003 min

Lab File: VV028218.D

Acq: 30 Sep 2022 11:29

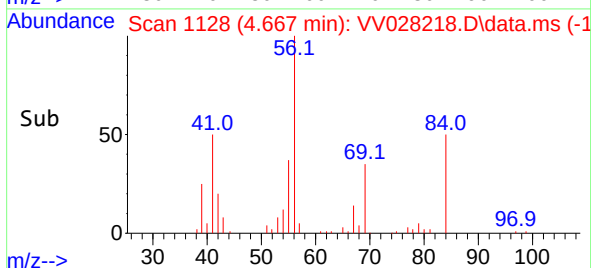
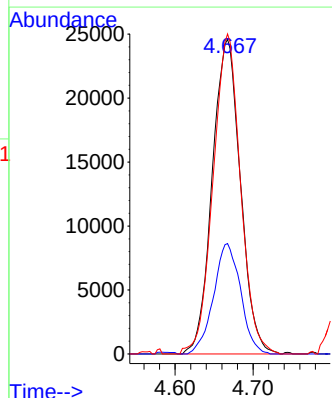
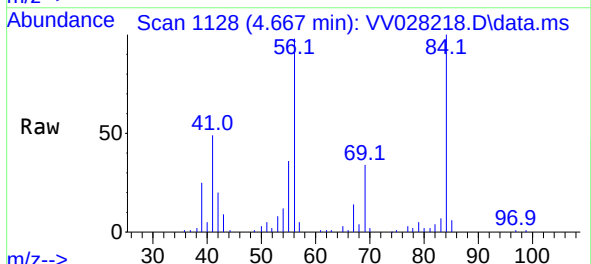
Tgt Ion: 56 Resp: 61708

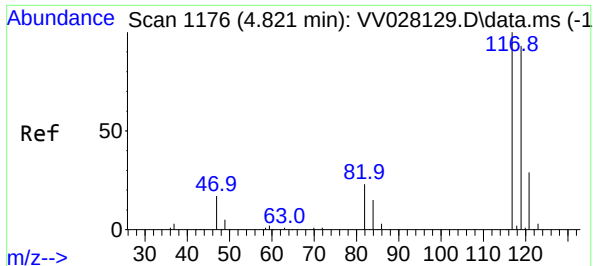
Ion Ratio Lower Upper

56 100

69 33.7 23.7 35.5

84 99.0 67.3 100.9

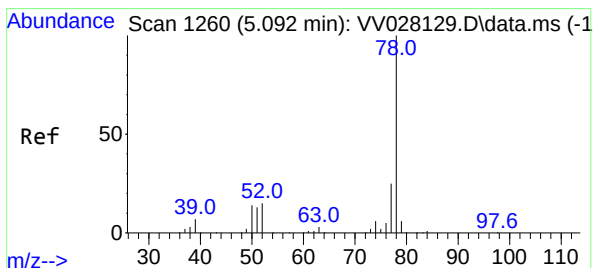
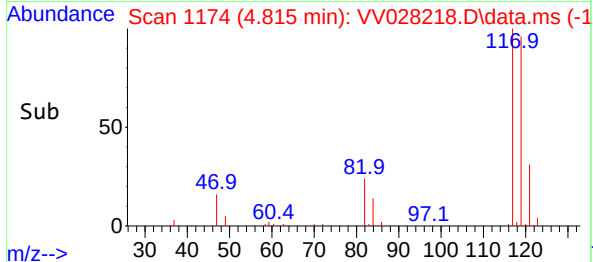
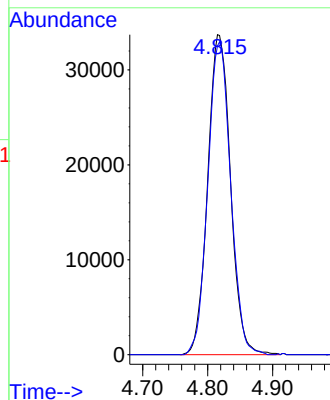
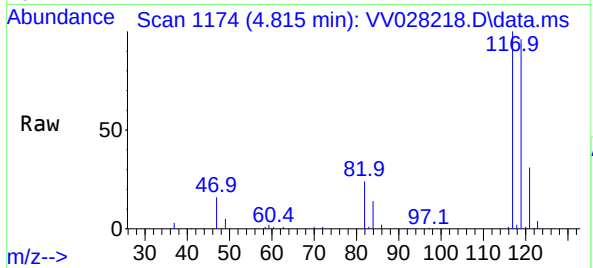




#31
Carbon tetrachloride
Concen: 5.082 ug/L
RT: 4.815 min Scan# 1174
Delta R.T. -0.003 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

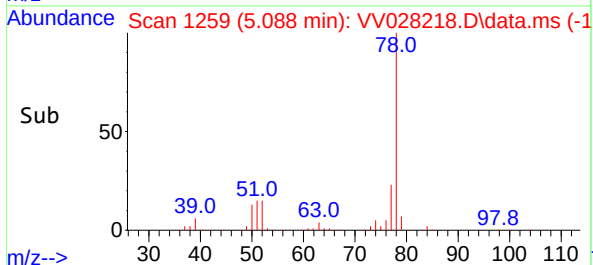
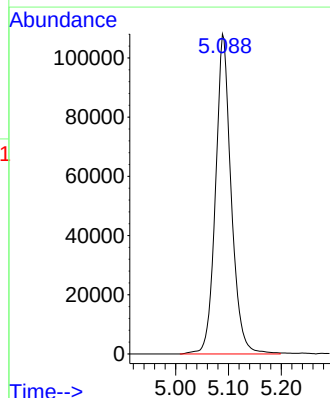
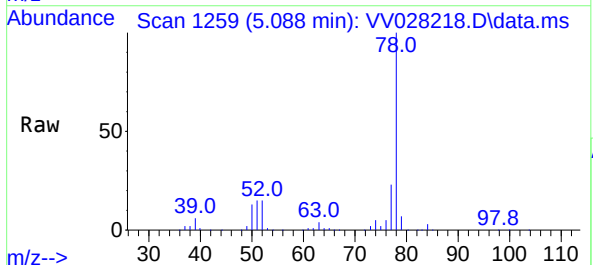
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

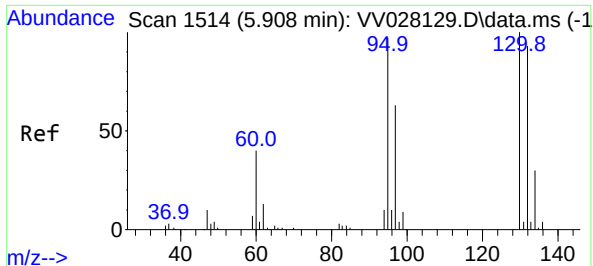
Tgt Ion:117 Resp: 82178
Ion Ratio Lower Upper
117 100
119 98.0 76.9 115.3



#33
Benzene
Concen: 5.019 ug/L
RT: 5.088 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

Tgt Ion: 78 Resp: 222871

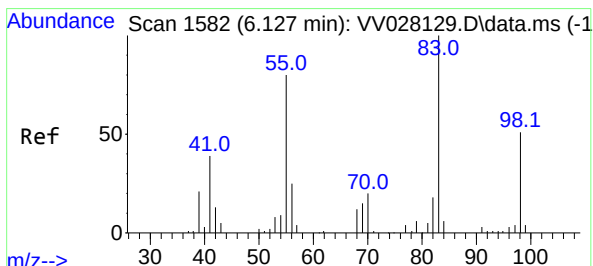
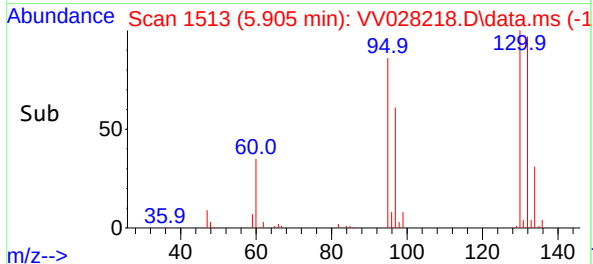
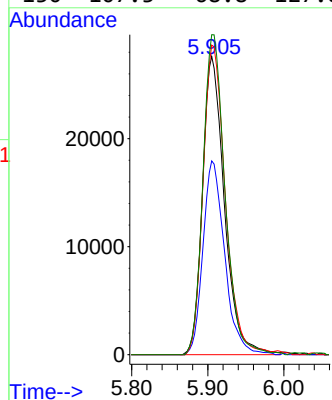
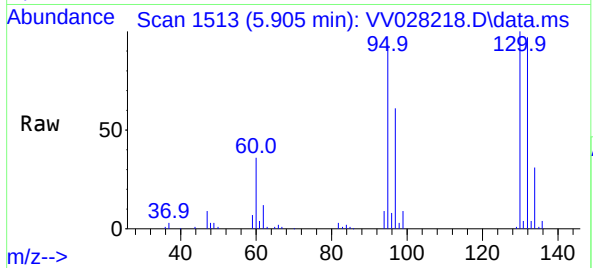




#34
Trichloroethene
Concen: 5.013 ug/L
RT: 5.905 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

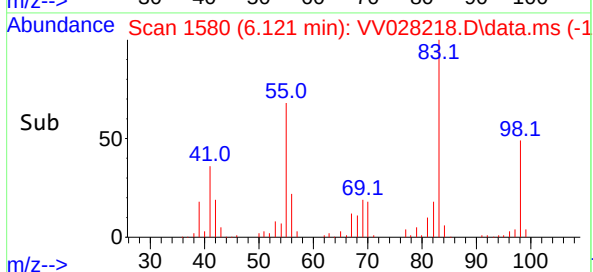
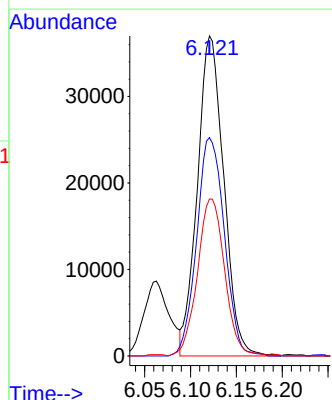
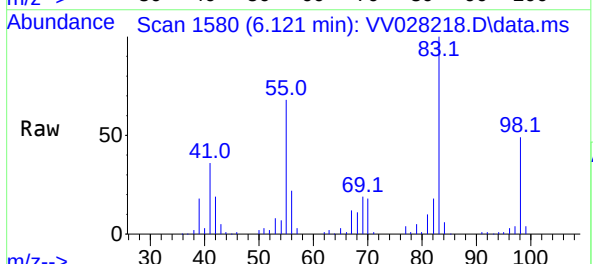
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

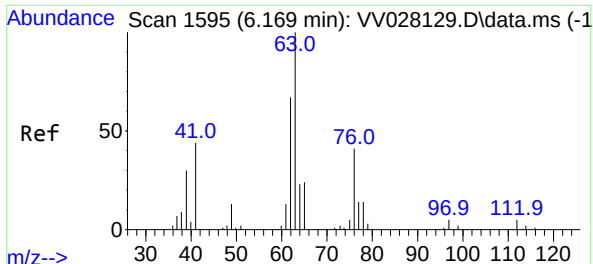
Tgt Ion: 95 Resp: 55409
Ion Ratio Lower Upper
95 100
97 65.0 44.2 82.0
132 103.8 67.8 126.0
130 107.3 68.8 127.8



#35
Methylcyclohexane
Concen: 4.891 ug/L
RT: 6.121 min Scan# 1580
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

Tgt Ion: 83 Resp: 74141
Ion Ratio Lower Upper
83 100
55 71.5 64.7 97.1
98 50.6 39.5 59.3

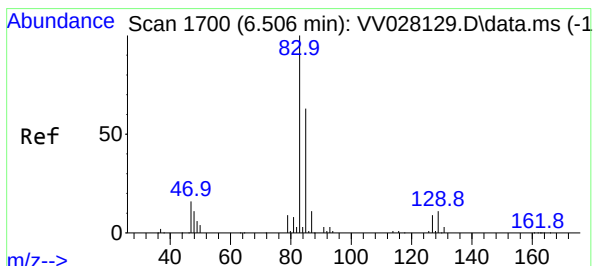
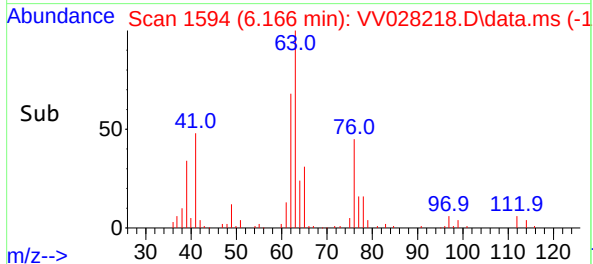
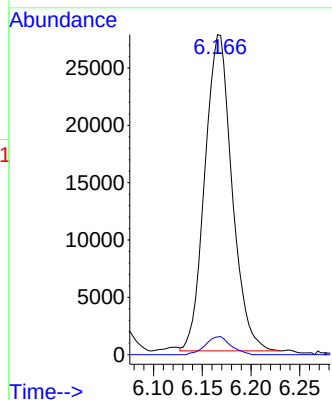
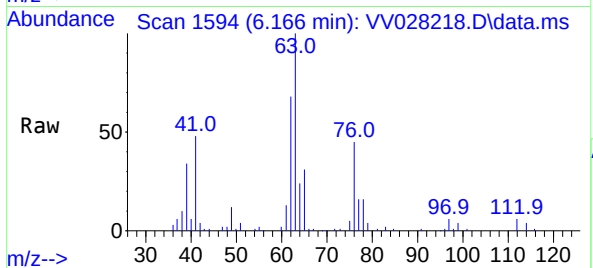




#37
1,2-Dichloropropane
Concen: 4.299 ug/L
RT: 6.166 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

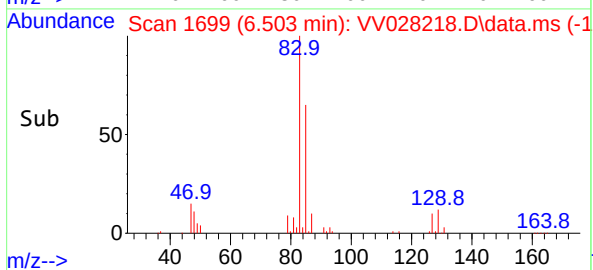
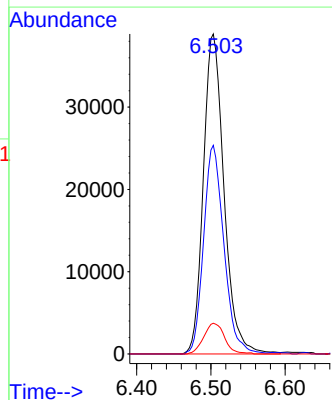
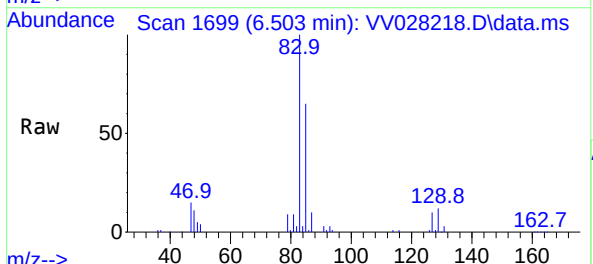
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

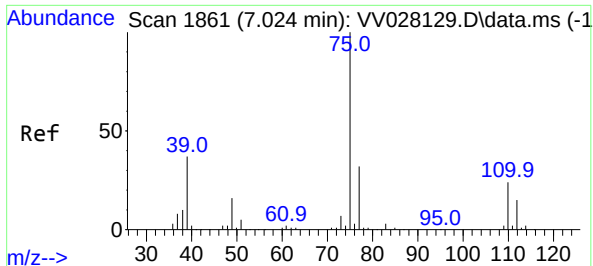
Tgt Ion: 63 Resp: 53514
Ion Ratio Lower Upper
63 100
112 5.3 3.5 5.3#



#38
Bromodichloromethane
Concen: 4.891 ug/L
RT: 6.503 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

Tgt Ion: 83 Resp: 75175
Ion Ratio Lower Upper
83 100
85 65.2 43.8 81.4
127 9.6 6.3 9.5#





#39

cis-1,3-Dichloropropene

Concen: 5.083 ug/L

RT: 7.021 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV028218.D

Acq: 30 Sep 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

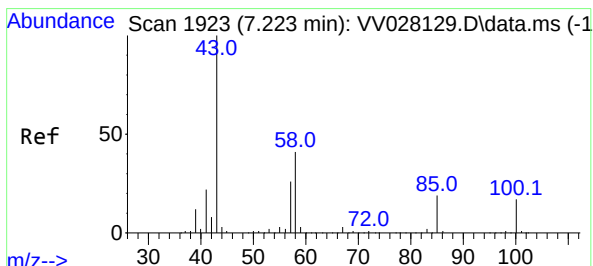
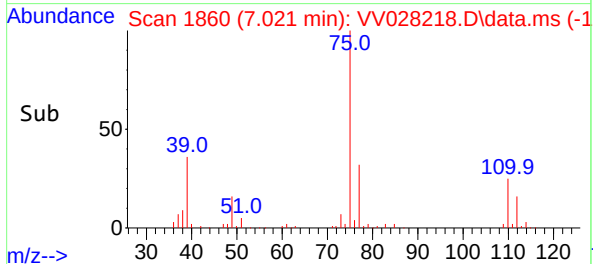
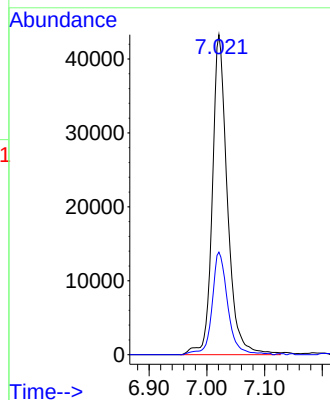
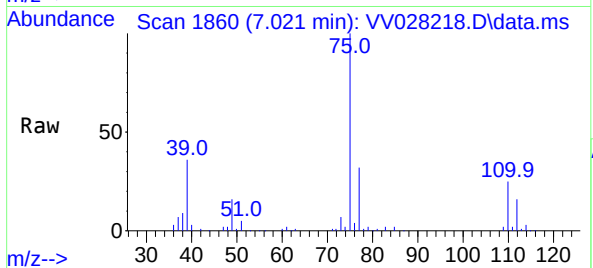
VSTD005312

Tgt Ion: 75 Resp: 78593

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 45.013 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.000 min

Lab File: VV028218.D

Acq: 30 Sep 2022 11:29

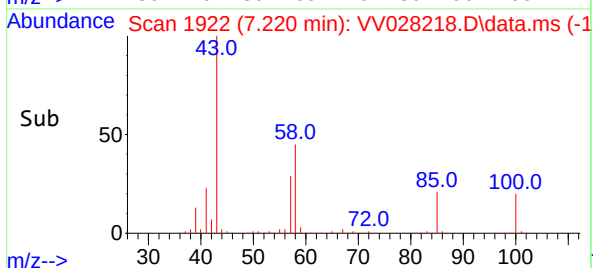
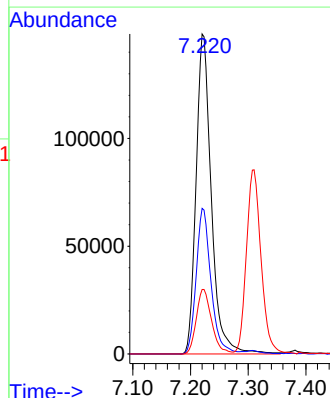
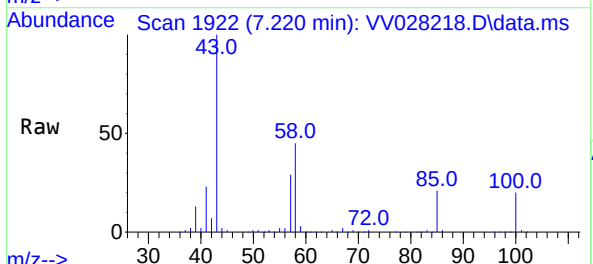
Tgt Ion: 43 Resp: 272114

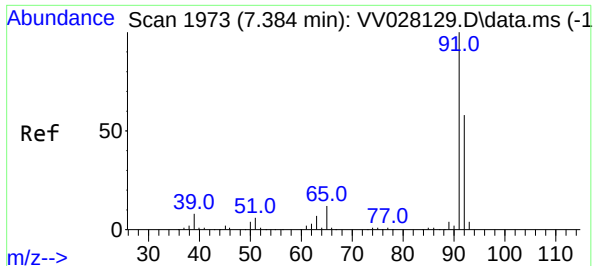
Ion Ratio Lower Upper

43 100

58 44.0 32.2 48.4

100 20.3 12.7 19.1#





#42

Toluene

Concen: 5.046 ug/L

RT: 7.381 min Scan# 1973

Delta R.T. -0.000 min

Lab File: VV028218.D

Acq: 30 Sep 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

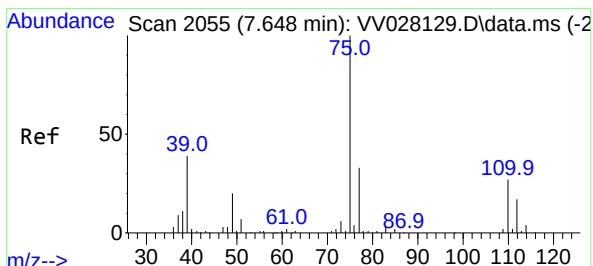
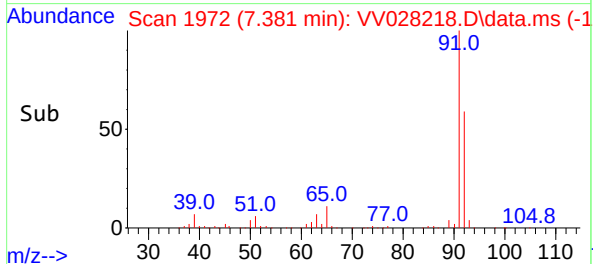
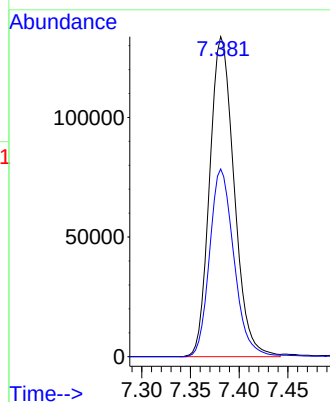
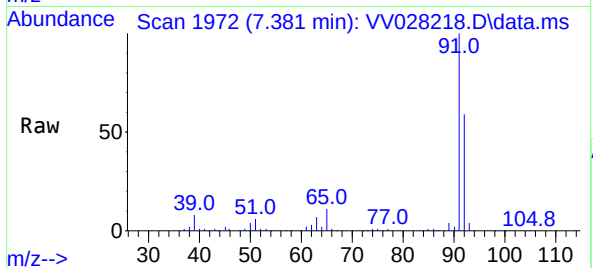
VSTD005312

Tgt Ion: 91 Resp: 233753

Ion Ratio Lower Upper

91 100

92 58.6 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 4.928 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. -0.000 min

Lab File: VV028218.D

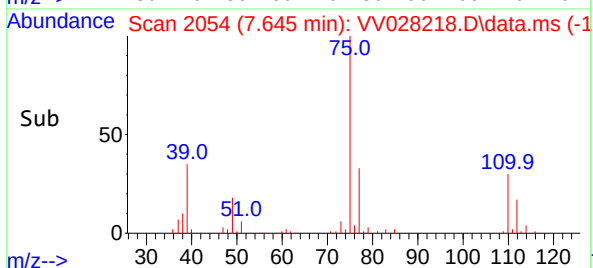
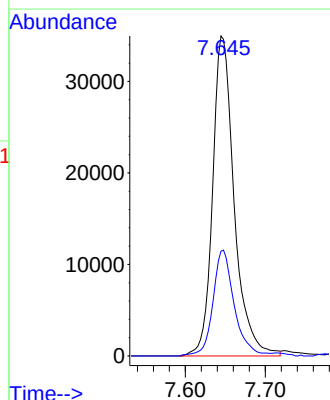
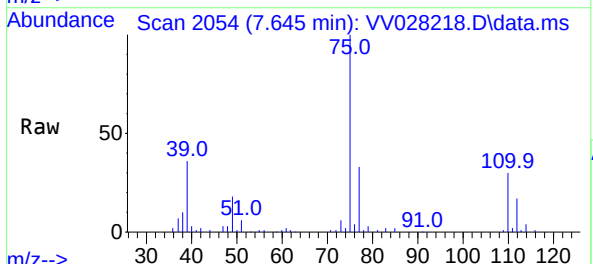
Acq: 30 Sep 2022 11:29

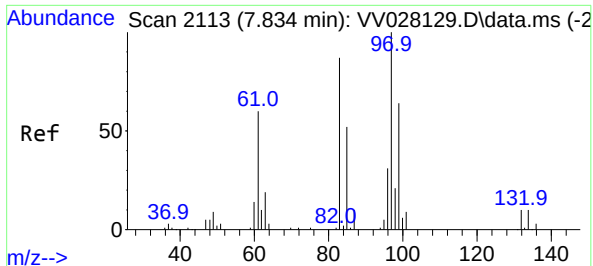
Tgt Ion: 75 Resp: 65536

Ion Ratio Lower Upper

75 100

77 32.8 23.9 44.3



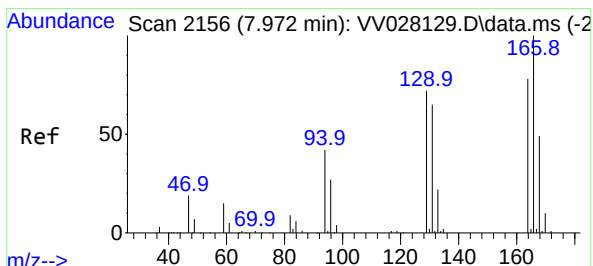
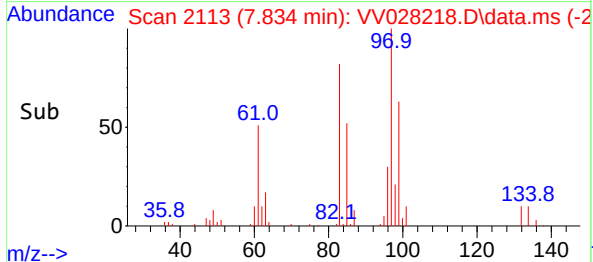
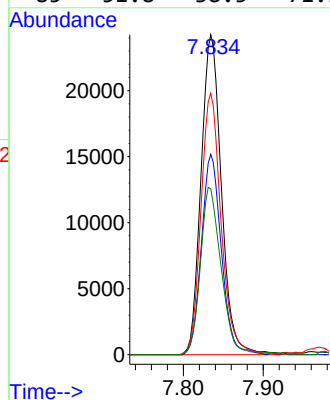
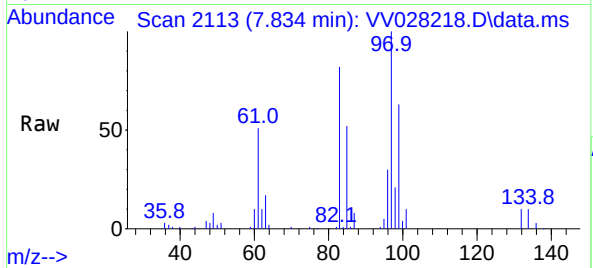


#45
1,1,2-Trichloroethane
Concen: 5.161 ug/L
RT: 7.834 min Scan# 2113
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

Tgt Ion: 97 Resp: 43065

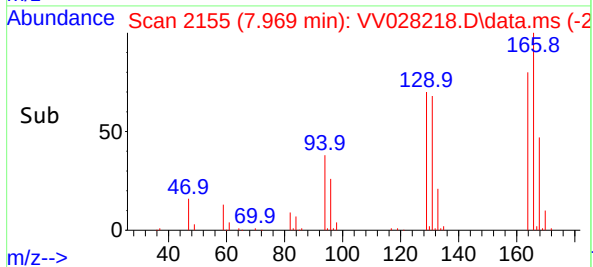
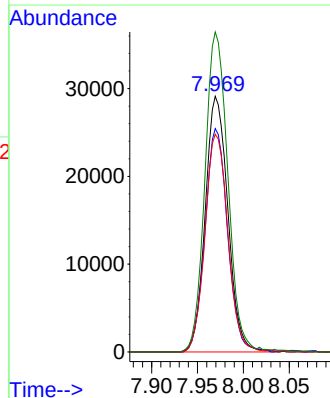
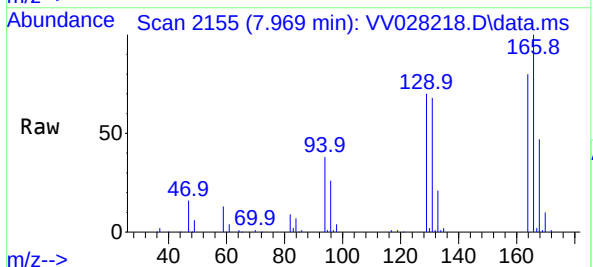
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.2	80.2
83	81.7	59.1	109.9
85	51.8	38.5	71.5

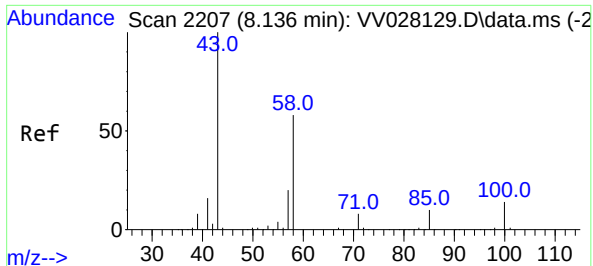


#47
Tetrachloroethene
Concen: 5.674 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

Tgt Ion: 164 Resp: 50063

Ion	Ratio	Lower	Upper
164	100		
129	87.3	66.7	123.9
131	85.1	61.7	114.5
166	125.1	90.9	168.9

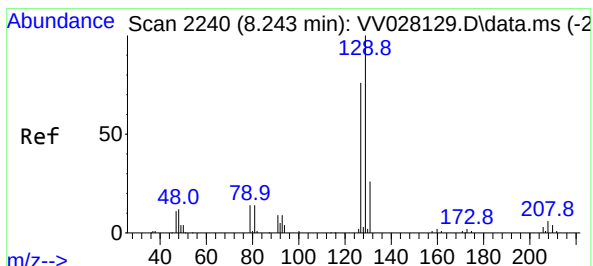
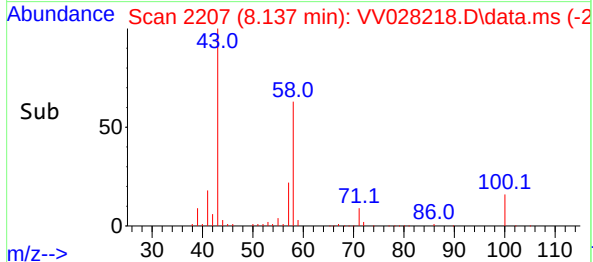
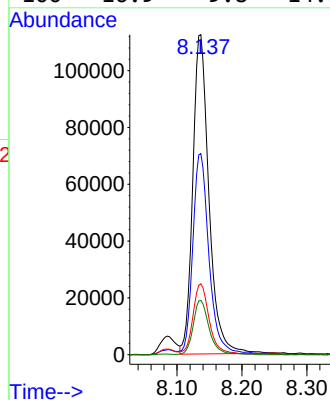
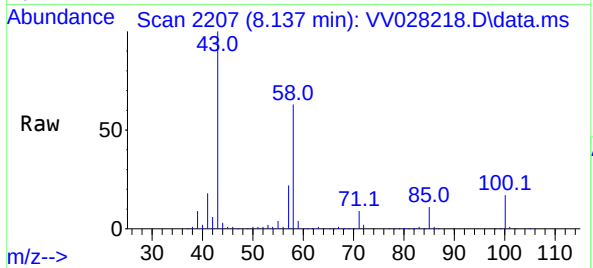




#48
2-Hexanone
Concen: 42.514 ug/L
RT: 8.137 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

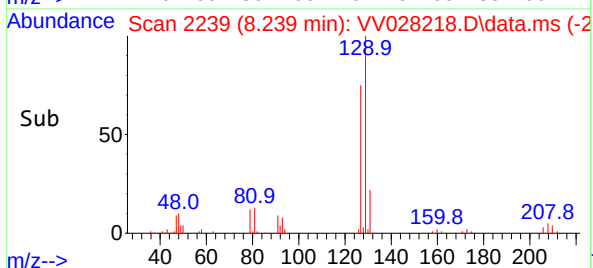
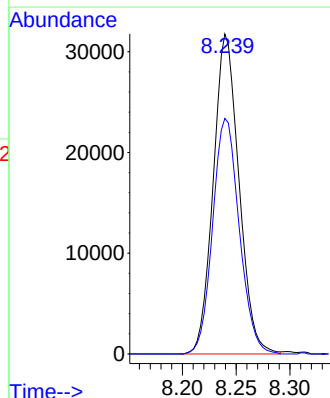
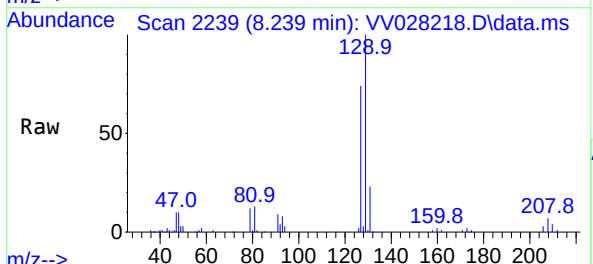
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

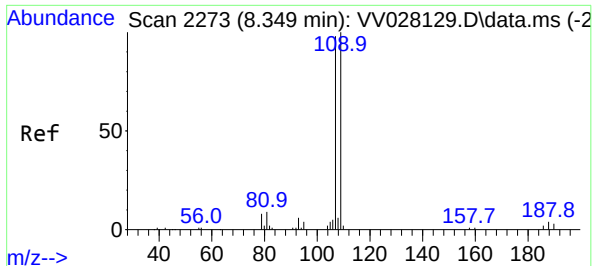
Tgt Ion: 43 Resp: 195107
Ion Ratio Lower Upper
43 100
58 61.2 45.7 68.5
57 22.7 15.5 23.3
100 16.9 9.8 14.6#



#49
Dibromochloromethane
Concen: 5.262 ug/L
RT: 8.239 min Scan# 2239
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

Tgt Ion: 129 Resp: 52796
Ion Ratio Lower Upper
129 100
127 73.6 54.3 100.9

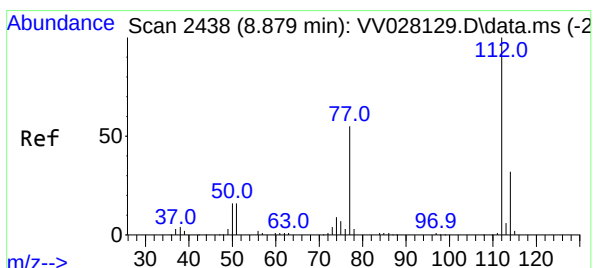
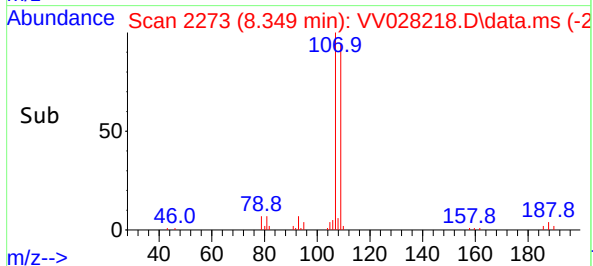
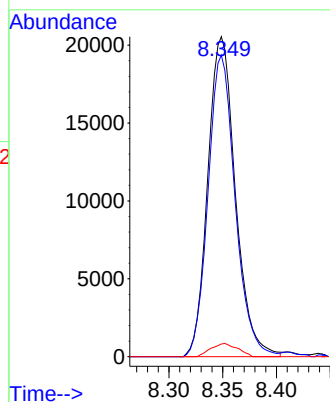
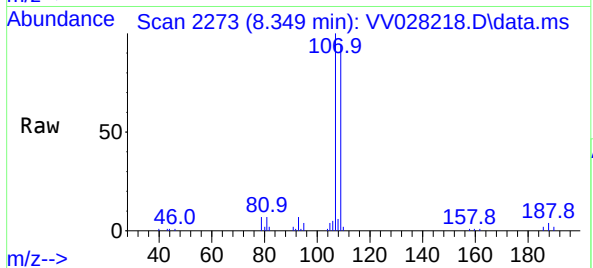




#50
1,2-Dibromoethane
Concen: 5.060 ug/L
RT: 8.349 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

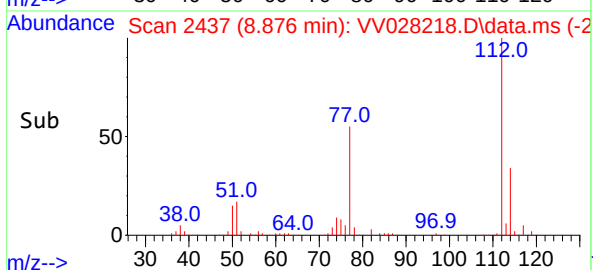
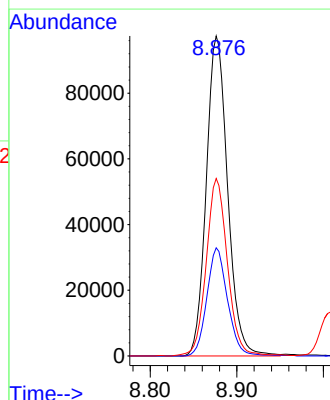
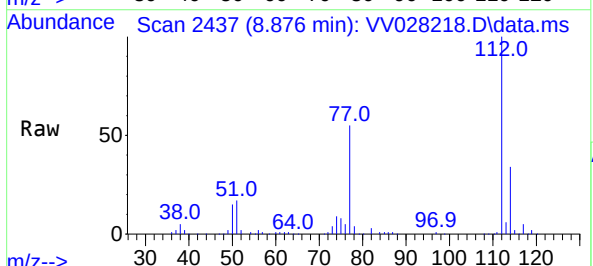
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

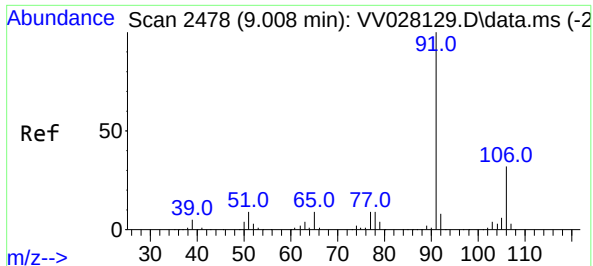
Tgt Ion:107 Resp: 36698
Ion Ratio Lower Upper
107 100
109 94.3 65.9 122.5
188 4.0 3.4 5.0



#51
Chlorobenzene
Concen: 5.370 ug/L
RT: 8.876 min Scan# 2437
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

Tgt Ion:112 Resp: 166838
Ion Ratio Lower Upper
112 100
114 33.8 22.5 41.7
77 55.5 46.1 69.1

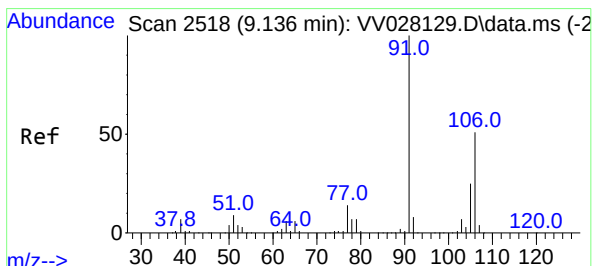
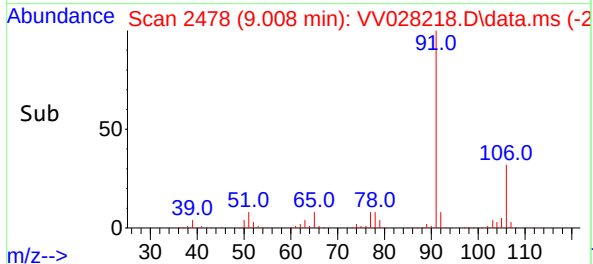
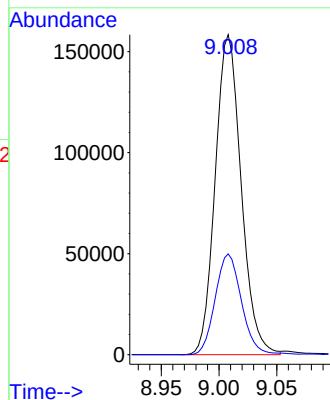
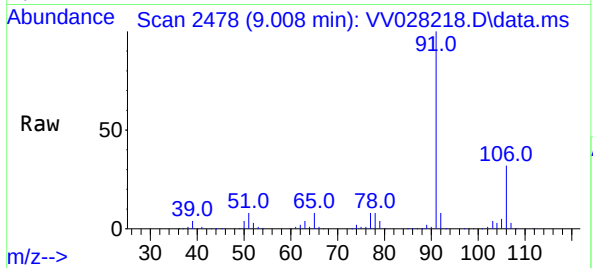




#52
Ethylbenzene
Concen: 5.048 ug/L
RT: 9.008 min Scan# 2478
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

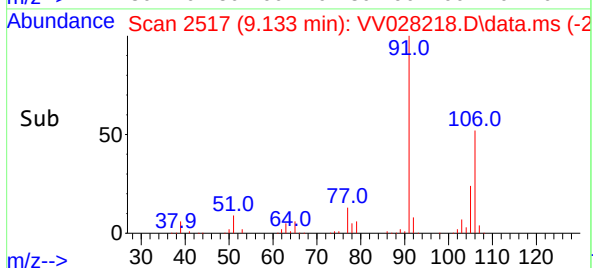
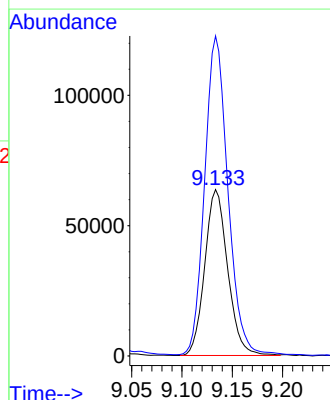
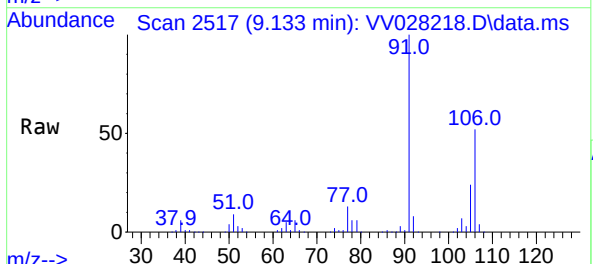
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

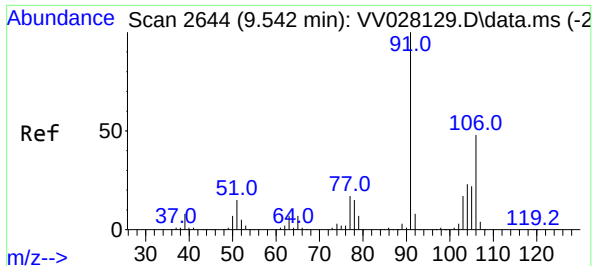
Tgt Ion: 91 Resp: 247352
Ion Ratio Lower Upper
91 100
106 31.5 21.5 39.9



#53
m,p-Xylene
Concen: 5.392 ug/L
RT: 9.133 min Scan# 2517
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

Tgt Ion: 106 Resp: 101256
Ion Ratio Lower Upper
106 100
91 192.4 141.9 263.5

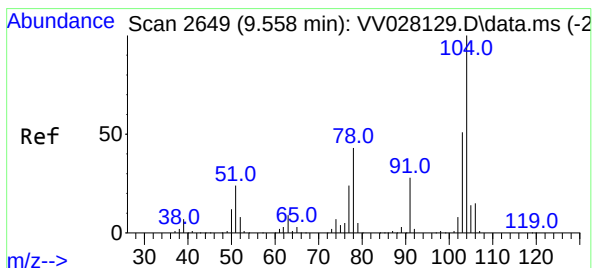
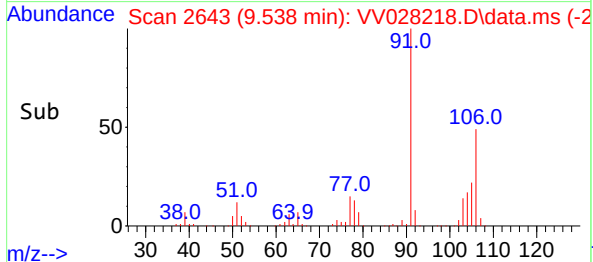
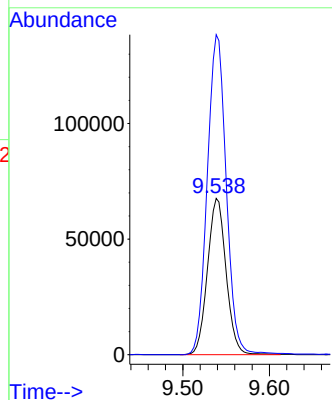
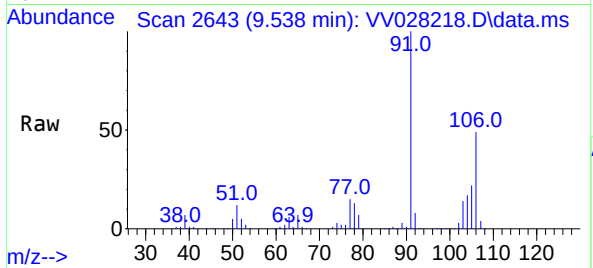




#54
o-Xylene
Concen: 5.450 ug/L
RT: 9.538 min Scan# 2643
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

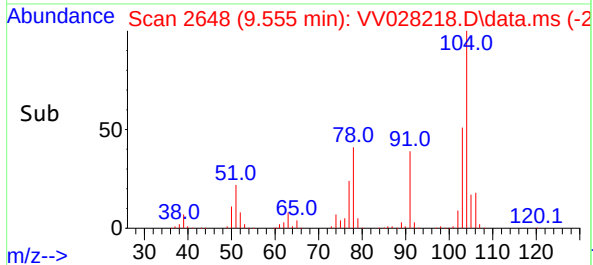
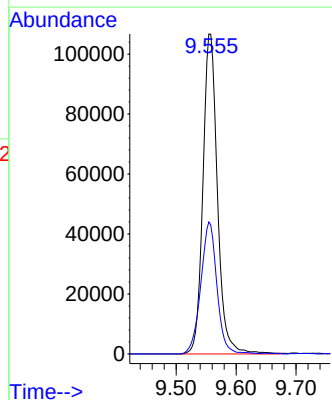
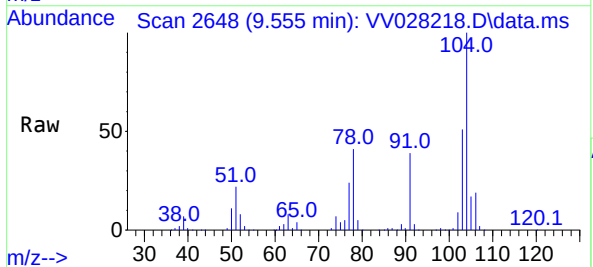
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

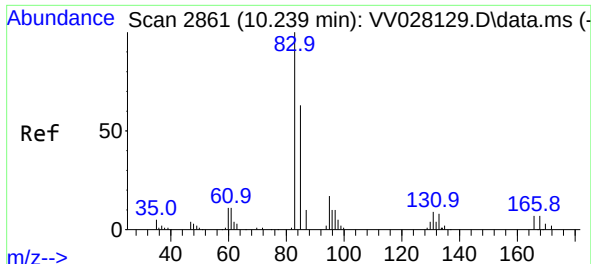
Tgt Ion:106 Resp: 101065
Ion Ratio Lower Upper
106 100
91 204.7 148.1 275.0



#55
Styrene
Concen: 5.609 ug/L
RT: 9.555 min Scan# 2648
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

Tgt Ion:104 Resp: 180258
Ion Ratio Lower Upper
104 100
78 41.2 31.0 57.6

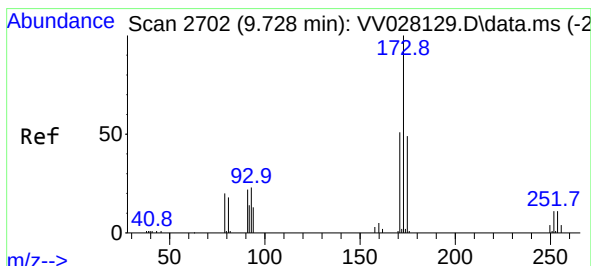
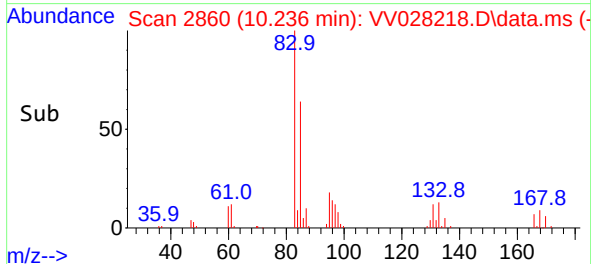
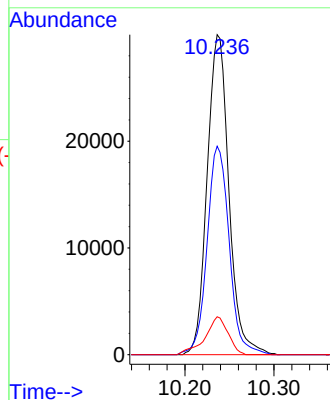
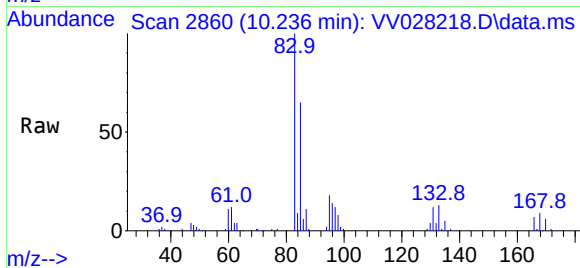




#57
1,1,2,2-Tetrachloroethane
Concen: 5.233 ug/L
RT: 10.236 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

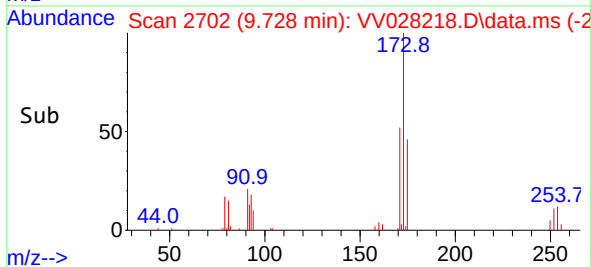
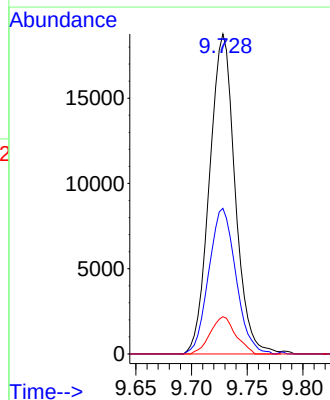
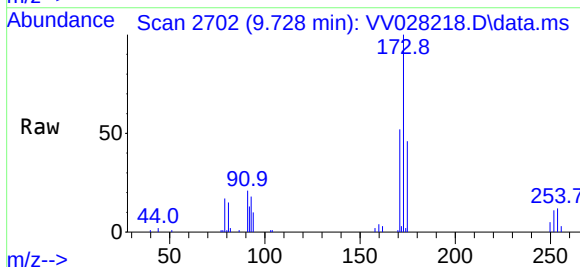
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

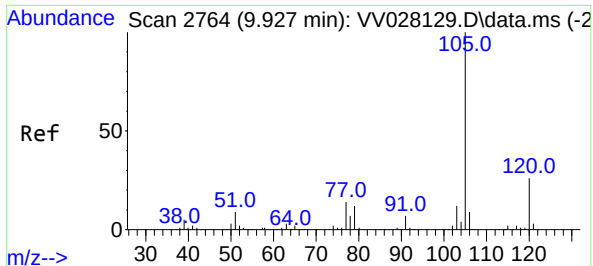
Tgt Ion: 83 Resp: 50886
Ion Ratio Lower Upper
83 100
85 65.1 45.2 84.0
131 11.8 7.8 11.8#



#59
Bromoform
Concen: 5.211 ug/L
RT: 9.728 min Scan# 2702
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

Tgt Ion: 173 Resp: 29940
Ion Ratio Lower Upper
173 100
175 48.4 39.0 58.4
254 11.6 8.7 13.1

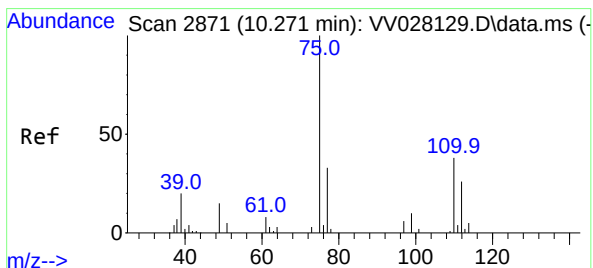
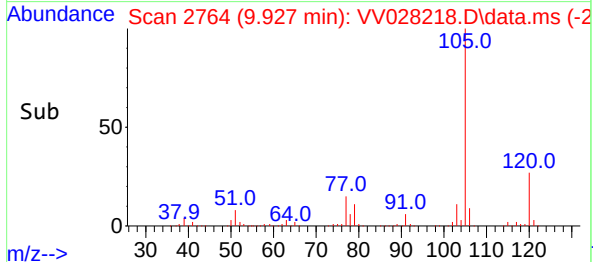
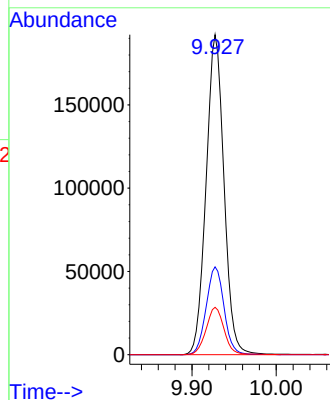
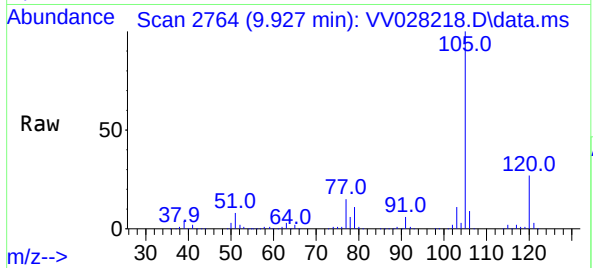




#60
Isopropylbenzene
Concen: 5.348 ug/L
RT: 9.927 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

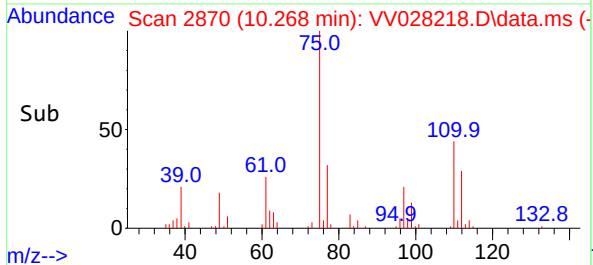
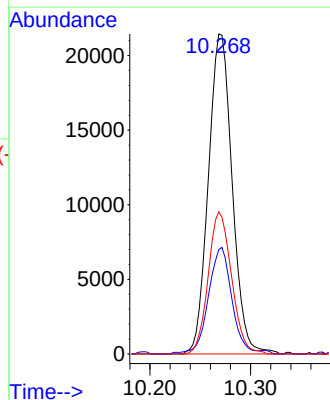
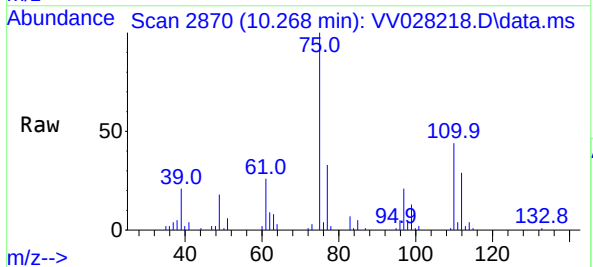
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

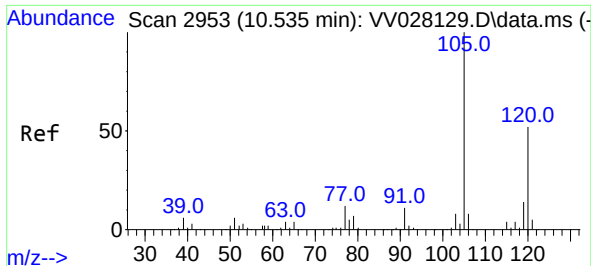
Tgt Ion:105 Resp: 284076
Ion Ratio Lower Upper
105 100
120 27.4 21.4 32.0
77 15.0 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 4.656 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

Tgt Ion: 75 Resp: 35338
Ion Ratio Lower Upper
75 100
77 32.6 26.7 40.1
110 43.5 30.1 45.1

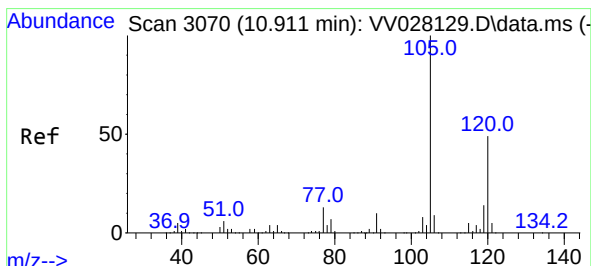
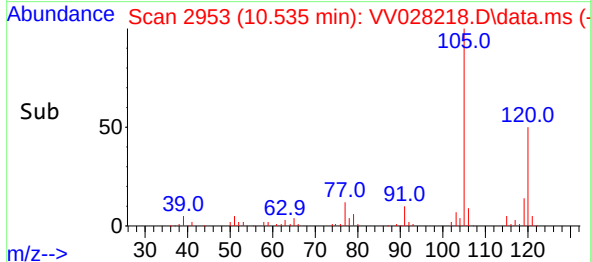
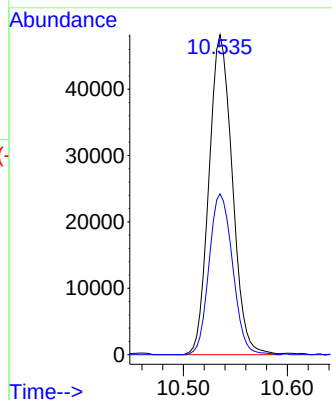
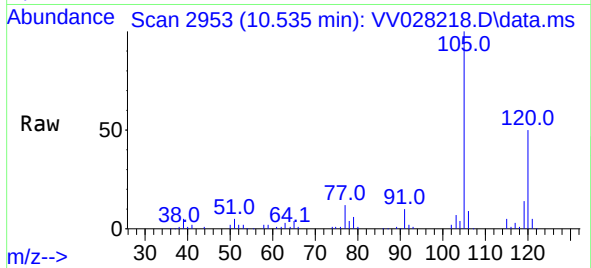




#62
1,3,5-Trimethylbenzene
Concen: 5.022 ug/L
RT: 10.535 min Scan# 2953
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

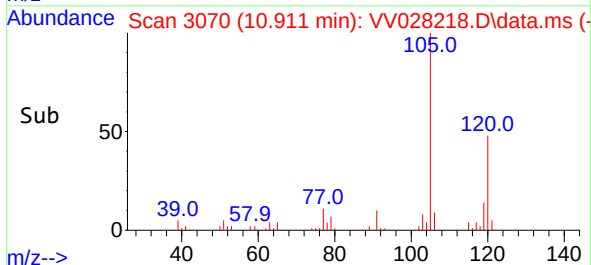
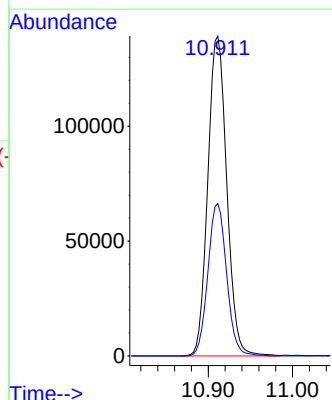
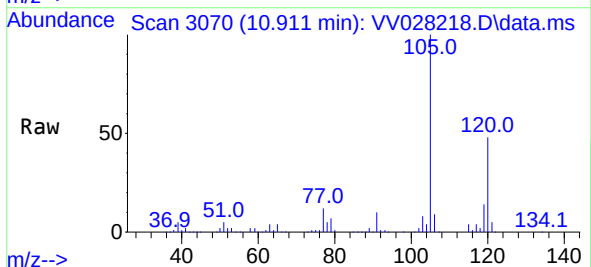
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

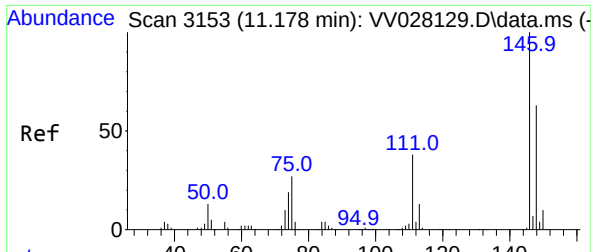
Tgt Ion:105 Resp: 75138
Ion Ratio Lower Upper
105 100
120 50.7 40.6 61.0



#63
1,2,4-Trimethylbenzene
Concen: 5.213 ug/L
RT: 10.911 min Scan# 3070
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

Tgt Ion:105 Resp: 218003
Ion Ratio Lower Upper
105 100
120 47.1 37.8 56.8

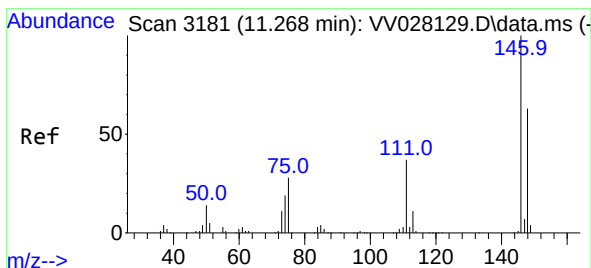
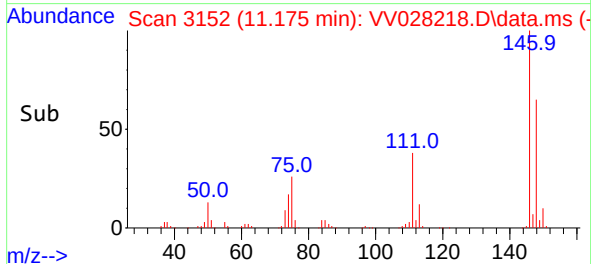
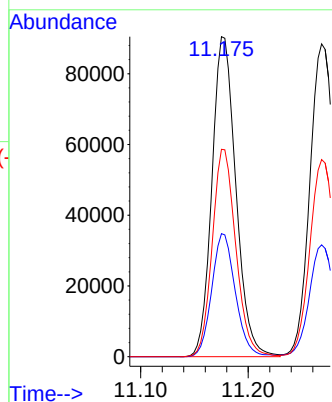
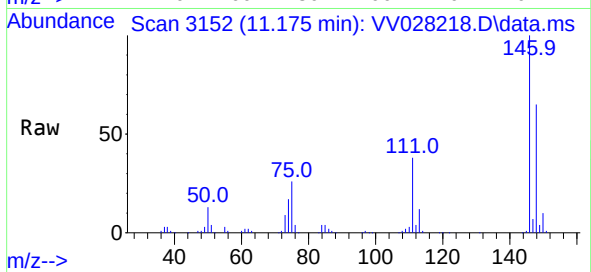




#64
1,3-Dichlorobenzene
Concen: 5.299 ug/L
RT: 11.175 min Scan# 3153
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

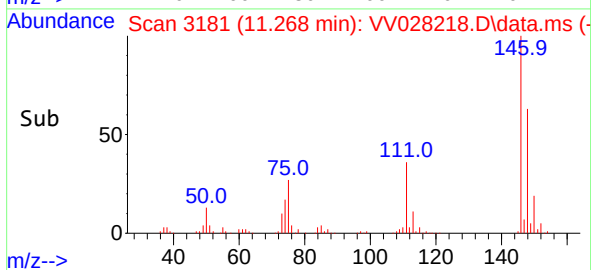
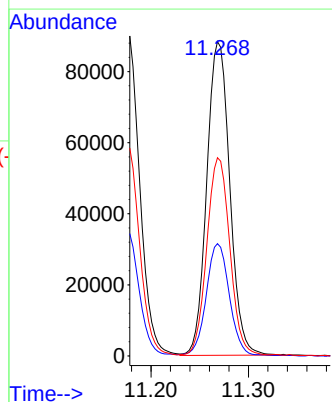
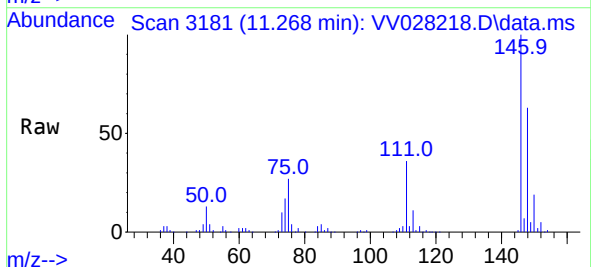
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

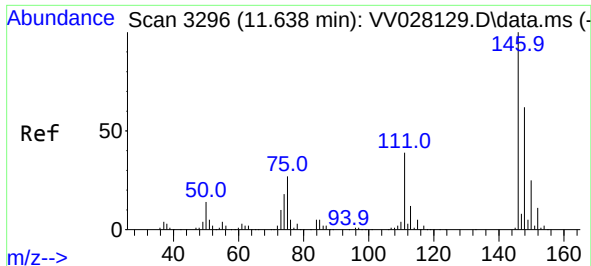
Tgt Ion:146 Resp: 140051
Ion Ratio Lower Upper
146 100
111 38.4 27.1 50.3
148 64.8 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 5.474 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

Tgt Ion:146 Resp: 144757
Ion Ratio Lower Upper
146 100
111 35.7 26.2 48.8
148 63.0 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 5.816 ug/L

RT: 11.638 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV028218.D

Acq: 30 Sep 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD005312

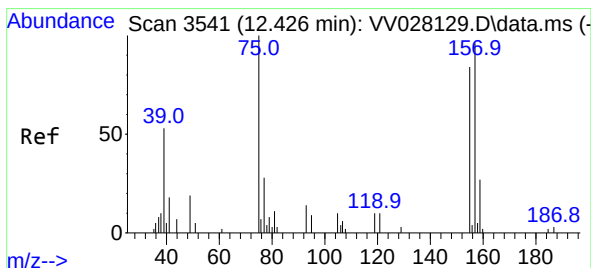
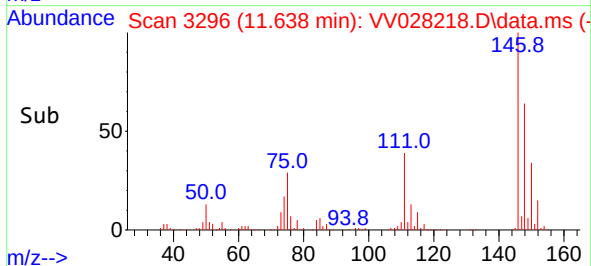
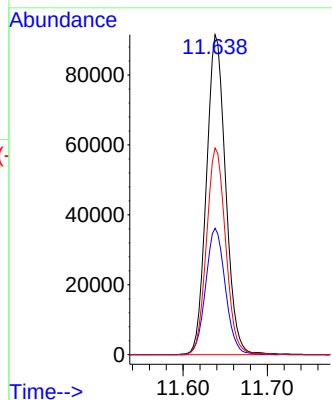
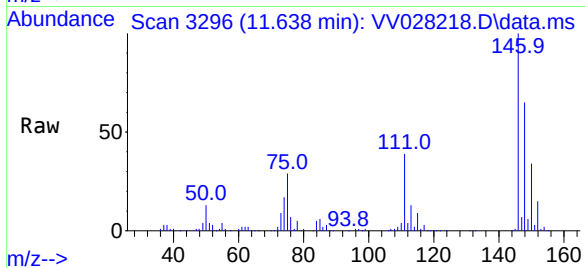
Tgt Ion:146 Resp: 145200

Ion Ratio Lower Upper

146 100

111 39.5 32.6 49.0

148 64.6 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 4.719 ug/L

RT: 12.423 min Scan# 3540

Delta R.T. -0.000 min

Lab File: VV028218.D

Acq: 30 Sep 2022 11:29

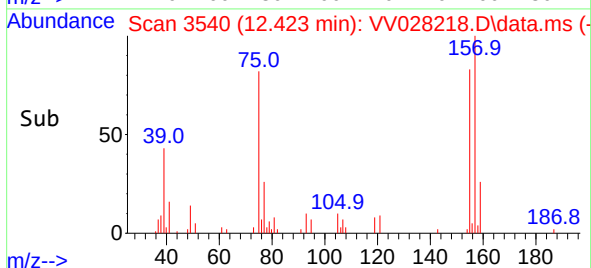
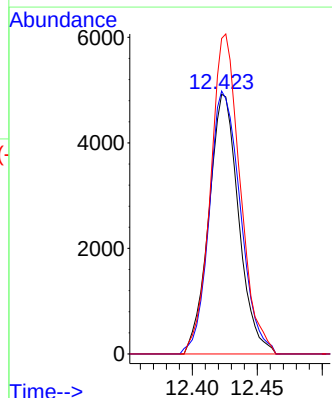
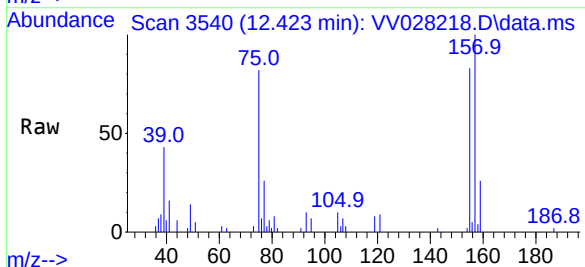
Tgt Ion: 75 Resp: 7851

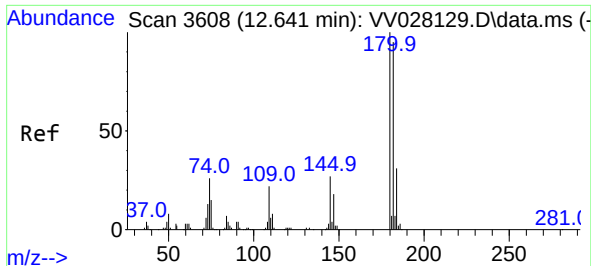
Ion Ratio Lower Upper

75 100

155 101.2 73.6 110.4

157 121.5 90.7 136.1





#69

1,3,5-Trichlorobenzene

Concen: 5.388 ug/L

RT: 12.641 min Scan# 3608

Delta R.T. -0.000 min

Lab File: VV028218.D

Acq: 30 Sep 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD005312

Tgt Ion:180 Resp: 112715

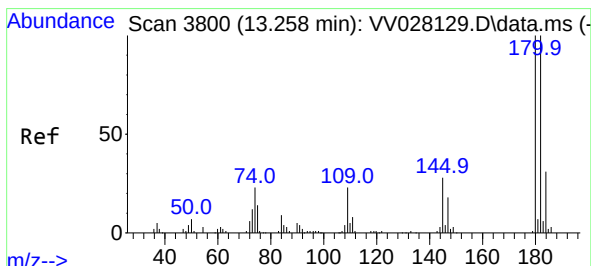
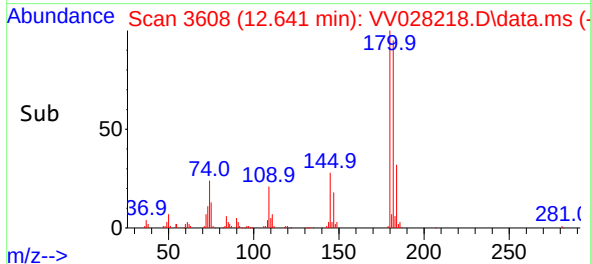
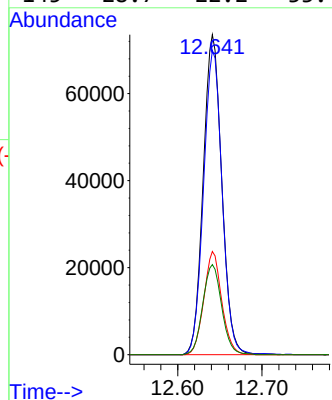
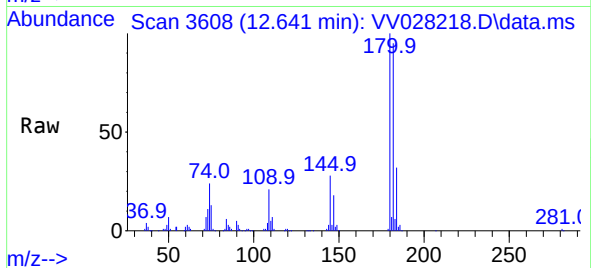
Ion Ratio Lower Upper

180 100

182 95.2 75.5 113.3

184 31.2 23.7 35.5

145 28.7 22.2 33.4



#70

1,2,4-trichlorobenzene

Concen: 5.797 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.003 min

Lab File: VV028218.D

Acq: 30 Sep 2022 11:29

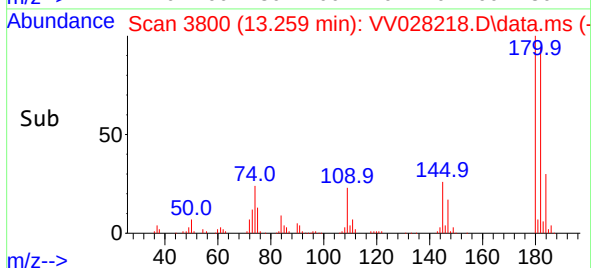
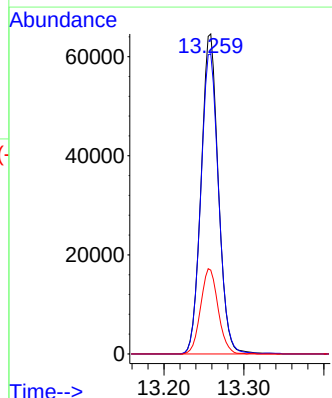
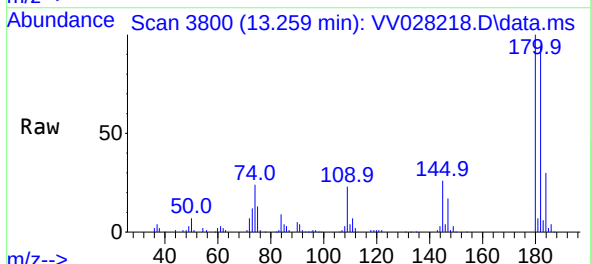
Tgt Ion:180 Resp: 96985

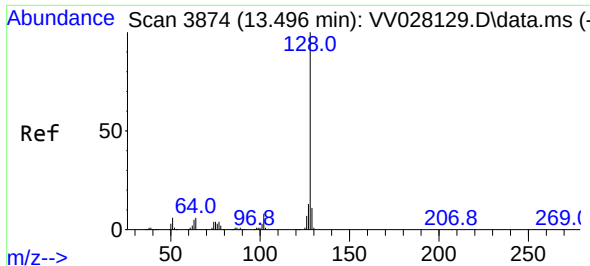
Ion Ratio Lower Upper

180 100

182 96.5 76.3 114.5

145 27.0 22.9 34.3

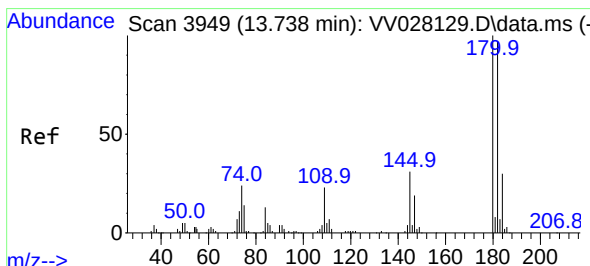
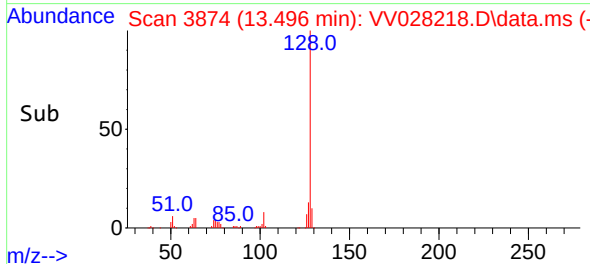
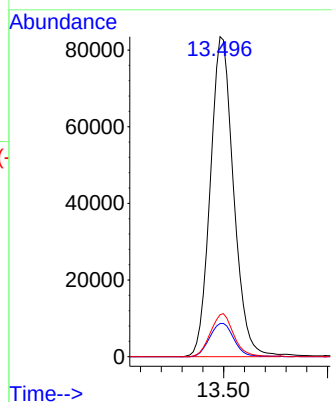
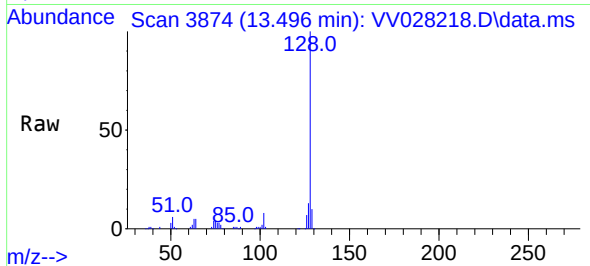




#71
Naphthalene
Concen: 4.739 ug/L
RT: 13.496 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

Tgt Ion:128	Resp:	129846	
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.2	12.2
127	13.4	10.4	15.6



#72
1,2,3-Trichlorobenzene
Concen: 5.356 ug/L
RT: 13.738 min Scan# 3949
Delta R.T. -0.003 min
Lab File: VV028218.D
Acq: 30 Sep 2022 11:29

Tgt Ion:180	Resp:	81047	
Ion	Ratio	Lower	Upper
180	100		
182	92.8	77.4	116.0
145	30.3	24.6	36.8

