

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112522\
 Data File : VV029368.D
 Acq On : 25 Nov 2022 20:41
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005371

Quant Time: Nov 25 21:34:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 25 21:27:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	295360	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	270765	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	138213	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	88566	4.873	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.400%
7) Chloroethane-d5	1.565	69	67760	5.093	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.800%
11) 1,1-Dichloroethene-d2	2.105	63	144419	4.965	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.400%
20) 2-Butanone-d5	3.902	46	157226	51.707	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.420%
24) Chloroform-d	4.339	84	168492	5.193	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.800%
26) 1,2-Dichloroethane-d4	5.024	65	74777	5.238	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
32) Benzene-d6	5.043	84	356051	4.758	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
36) 1,2-Dichloropropane-d6	6.063	67	104146	4.953	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.000%
41) Toluene-d8	7.307	98	335898	4.756	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
43) trans-1,3-Dichloroprop...	7.612	79	41007	5.058	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.200%
46) 2-Hexanone-d5	8.085	63	164578	56.951	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.900%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	73557	5.669	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.400%
66) 1,2-Dichlorobenzene-d4	11.612	152	121847	5.046	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	106388	4.828	ug/L	98
3) Chloromethane	1.240	50	119587	5.922	ug/L	99
5) Vinyl chloride	1.307	62	106009	5.269	ug/L	100
6) Bromomethane	1.519	94	48099	3.831	ug/L	100
8) Chloroethane	1.581	64	65350	5.465	ug/L	95
9) Trichlorofluoromethane	1.751	101	142054	5.044	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	80238	5.110	ug/L	97
12) 1,1-Dichloroethene	2.114	96	77828	5.125	ug/L	98
13) Acetone	2.198	43	77770	35.176	ug/L	99
14) Carbon disulfide	2.288	76	221937	5.029	ug/L	99
15) Methyl Acetate	2.439	43	25892	4.075	ug/L	93
16) Methylene chloride	2.500	84	94471	4.071	ug/L	97
17) Methyl tert-butyl Ether	2.767	73	201880	5.199	ug/L	99
18) trans-1,2-Dichloroethene	2.754	96	91807	5.267	ug/L	98
19) 1,1-Dichloroethane	3.182	63	166809	5.317	ug/L	98
21) 2-Butanone	3.989	43	146060	42.201	ug/L	100
22) cis-1,2-Dichloroethene	3.902	96	101852	5.109	ug/L	100
23) Bromochloromethane	4.240	128	43785	5.483	ug/L	97
25) Chloroform	4.365	83	168494	5.144	ug/L	98

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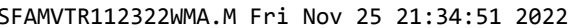
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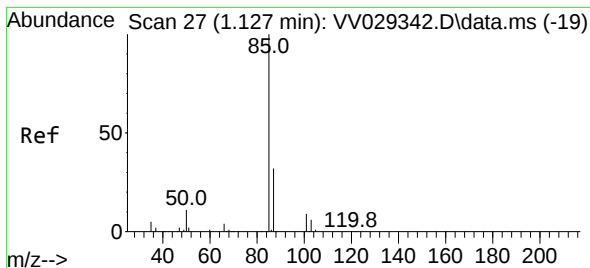
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	91372	5.149	ug/L	99
29) 1,1,1-Trichloroethane	4.600	97	149700	4.807	ug/L	99
30) Cyclohexane	4.670	56	148093	4.811	ug/L	99
31) Carbon tetrachloride	4.818	117	124113	4.712	ug/L	100
33) Benzene	5.092	78	384904	4.753	ug/L	100
34) Trichloroethene	5.905	95	97359	4.713	ug/L	98
35) Methylcyclohexane	6.124	83	160328	4.598	ug/L	98
37) 1,2-Dichloropropane	6.166	63	95439	5.003	ug/L	99
38) Bromodichloromethane	6.503	83	111359	4.876	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	135990	4.877	ug/L	98
40) 4-Methyl-2-pentanone	7.223	43	460103	51.542	ug/L	99
42) Toluene	7.381	91	417083	4.799	ug/L	99
44) trans-1,3-Dichloropropene	7.645	75	108324	4.904	ug/L	99
45) 1,1,2-Trichloroethane	7.831	97	64497	4.994	ug/L	99
47) Tetrachloroethene	7.966	164	79239	4.679	ug/L	98
48) 2-Hexanone	8.137	43	318372	51.159	ug/L	99
49) Dibromochloromethane	8.236	129	72105	4.963	ug/L	95
50) 1,2-Dibromoethane	8.346	107	56423	5.007	ug/L	94
51) Chlorobenzene	8.873	112	268131	4.936	ug/L	98
52) Ethylbenzene	9.005	91	444627	4.907	ug/L	99
53) m,p-Xylene	9.130	106	174266	4.876	ug/L	100
54) o-Xylene	9.535	106	173941	4.954	ug/L	99
55) Styrene	9.551	104	297831	5.025	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.233	83	74267	5.557	ug/L	99
59) Bromoform	9.722	173	38419	5.291	ug/L	99
60) Isopropylbenzene	9.921	105	461960	5.170	ug/L	100
61) 1,2,3-Trichloropropane	10.265	75	52799	5.508	ug/L	100
62) 1,3,5-Trimethylbenzene	10.529	105	381155	4.926	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	382926	4.920	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	208315	4.997	ug/L	99
65) 1,4-Dichlorobenzene	11.262	146	203780	4.941	ug/L	99
67) 1,2-Dichlorobenzene	11.632	146	194329	5.060	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.416	75	10294	5.468	ug/L	95
69) 1,3,5-Trichlorobenzene	12.632	180	166713	4.854	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	134604	4.836	ug/L	99
71) Naphthalene	13.493	128	127815	5.305	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	114056	5.034	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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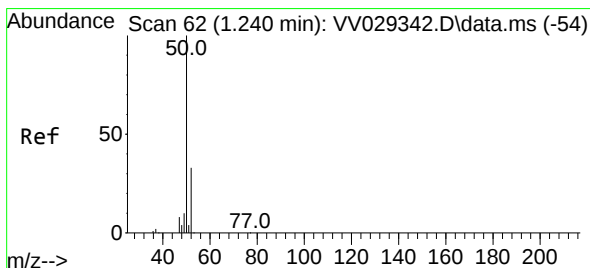
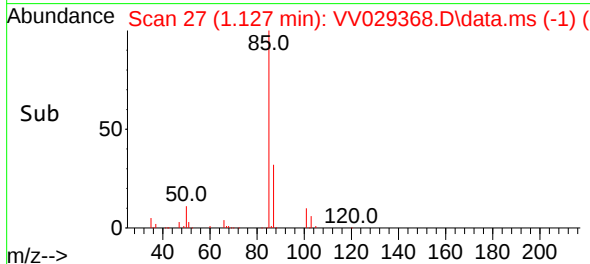
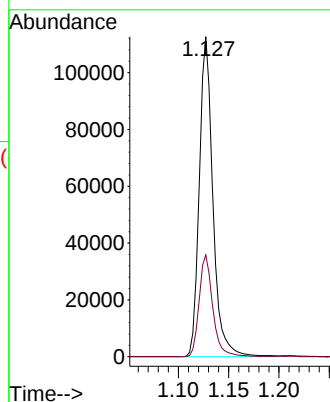
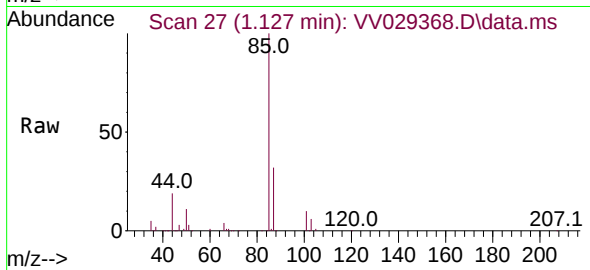




#2
 Dichlorodifluoromethane
 Concen: 4.828 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV029368.D
 Acq: 25 Nov 2022 20:41

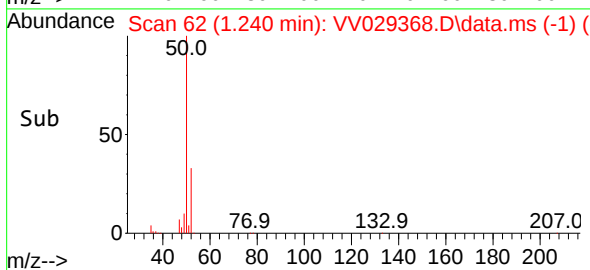
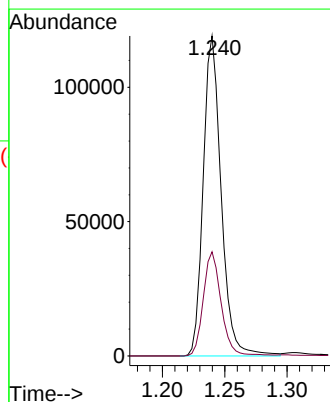
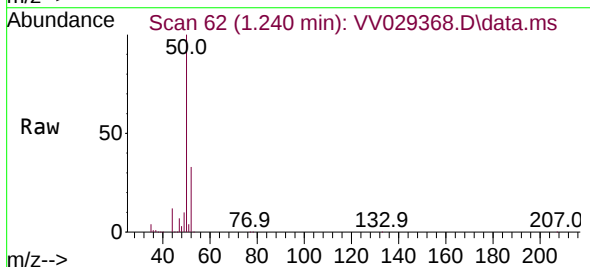
Instrument :
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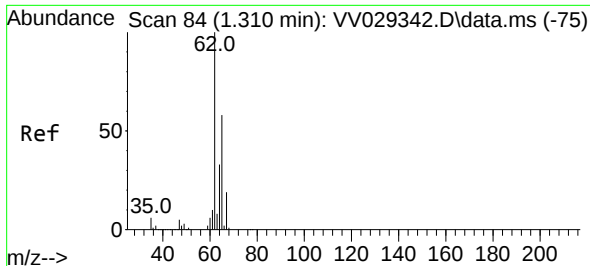
Tgt Ion: 85 Resp: 106388
 Ion Ratio Lower Upper
 85 100
 87 31.8 26.2 39.4



#3
 Chloromethane
 Concen: 5.922 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV029368.D
 Acq: 25 Nov 2022 20:41

Tgt Ion: 50 Resp: 119587
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.2 43.2

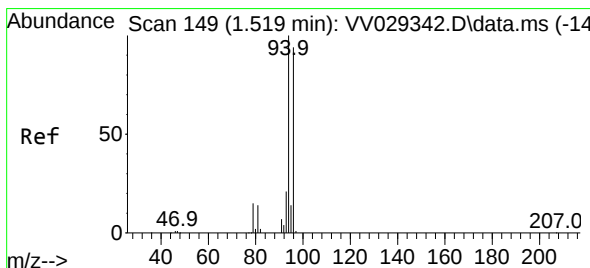
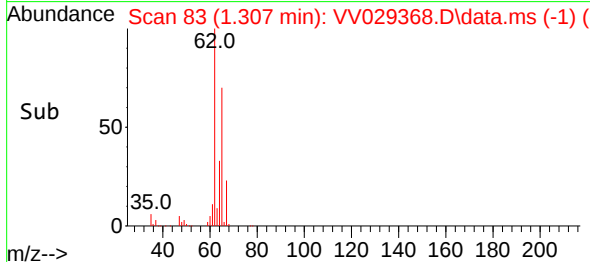
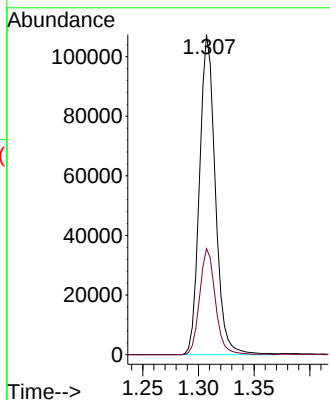
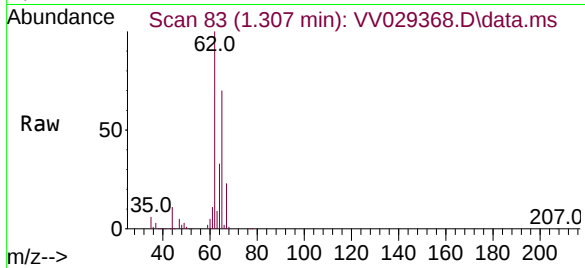




#5
 Vinyl chloride
 Concen: 5.269 ug/L
 RT: 1.307 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VV029368.D
 Acq: 25 Nov 2022 20:41

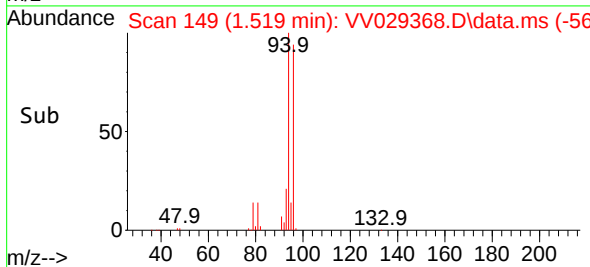
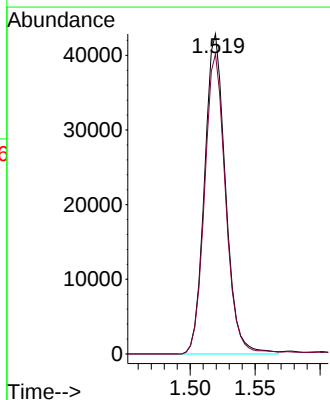
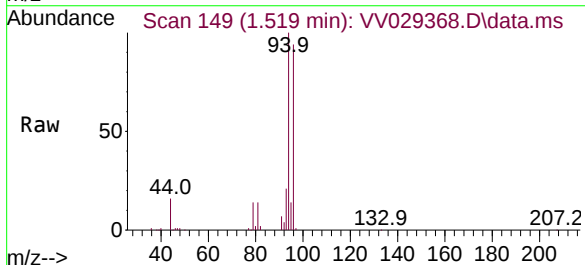
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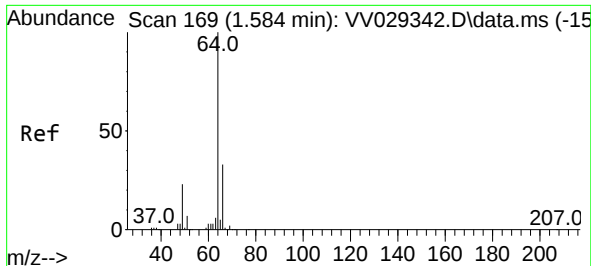
Tgt Ion: 62 Resp: 106009
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.4 43.4



#6
 Bromomethane
 Concen: 3.831 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV029368.D
 Acq: 25 Nov 2022 20:41

Tgt Ion: 94 Resp: 48099
 Ion Ratio Lower Upper
 94 100
 96 93.7 65.4 121.4

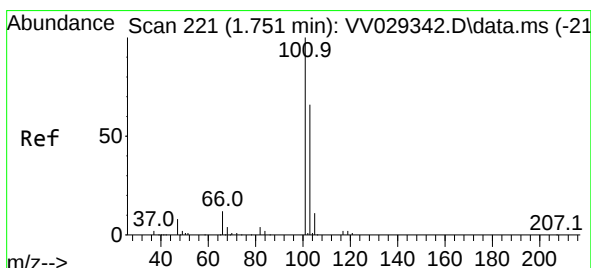
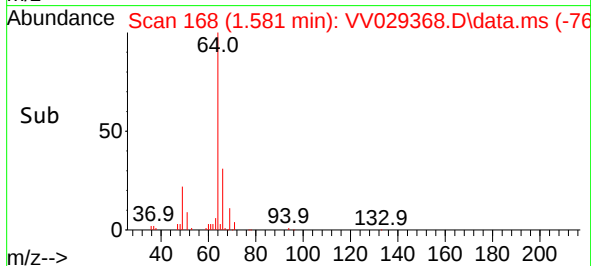
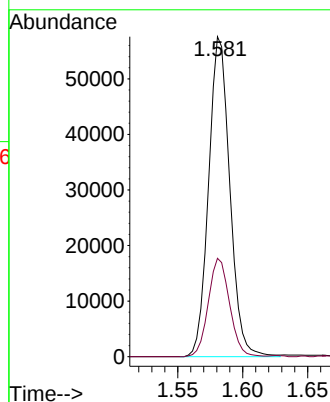
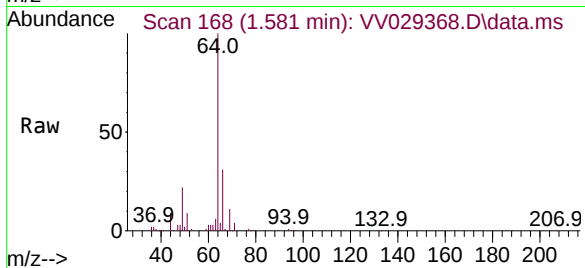




#8
Chloroethane
Concen: 5.465 ug/L
RT: 1.581 min Scan# 168
Delta R.T. -0.003 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

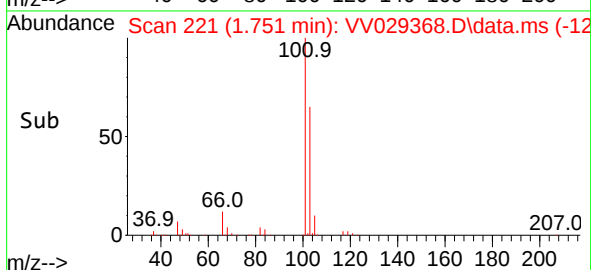
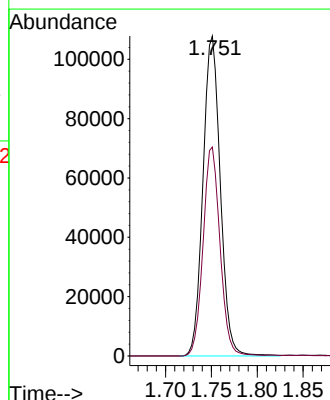
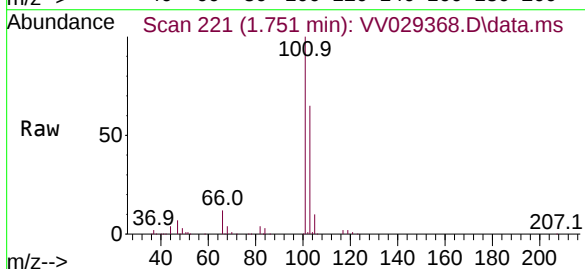
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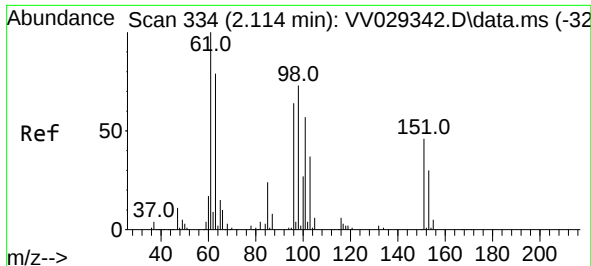
Tgt Ion: 64 Resp: 65350
Ion Ratio Lower Upper
64 100
66 30.8 23.5 43.7



#9
Trichlorofluoromethane
Concen: 5.044 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.000 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

Tgt Ion: 101 Resp: 142054
Ion Ratio Lower Upper
101 100
103 63.7 51.8 77.8

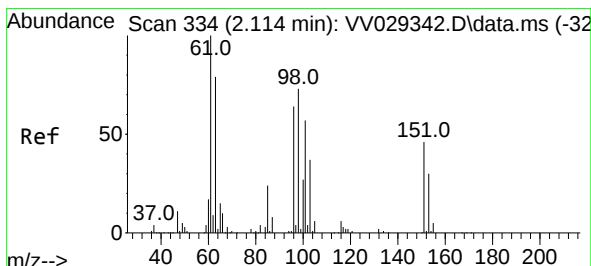
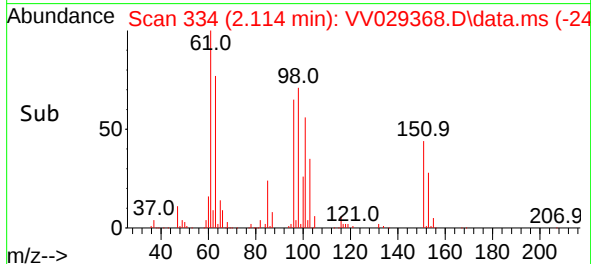
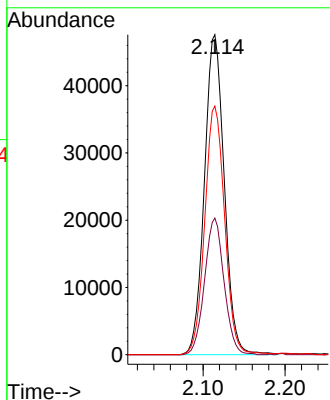
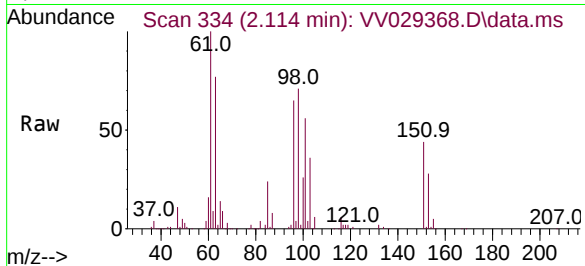




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.110 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV029368.D
 Acq: 25 Nov 2022 20:41

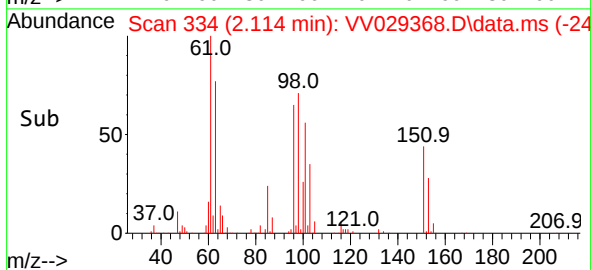
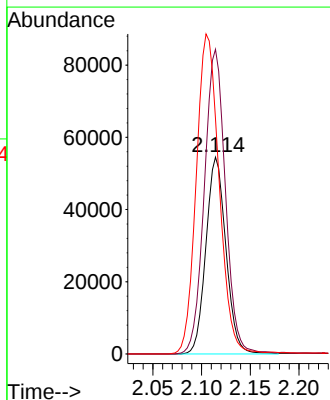
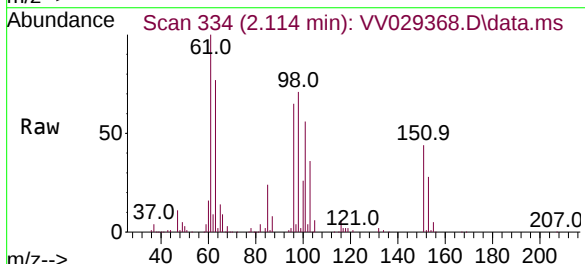
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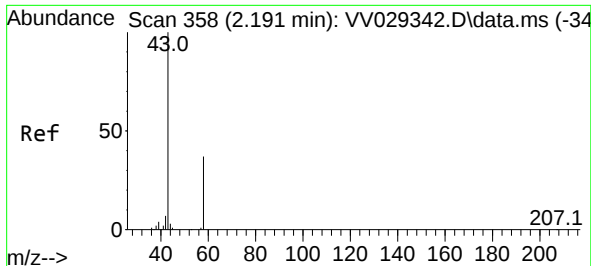
Tgt Ion: 101 Resp: 80238
 Ion Ratio Lower Upper
 101 100
 85 41.8 33.6 50.4
 151 77.9 65.3 97.9



#12
 1,1-Dichloroethene
 Concen: 5.125 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV029368.D
 Acq: 25 Nov 2022 20:41

Tgt Ion: 96 Resp: 77828
 Ion Ratio Lower Upper
 96 100
 61 154.8 110.3 204.9
 63 119.6 84.4 156.8

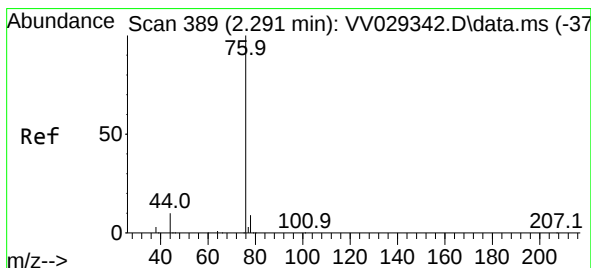
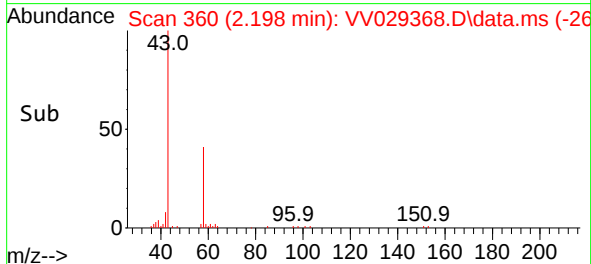
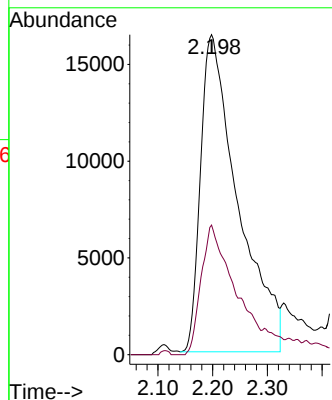
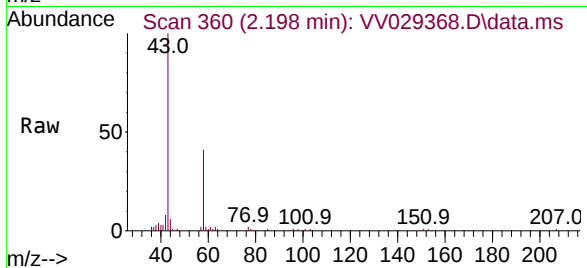




#13
Acetone
Concen: 35.176 ug/L
RT: 2.198 min Scan# 30
Delta R.T. 0.006 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

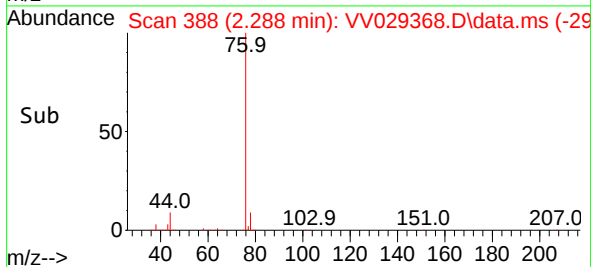
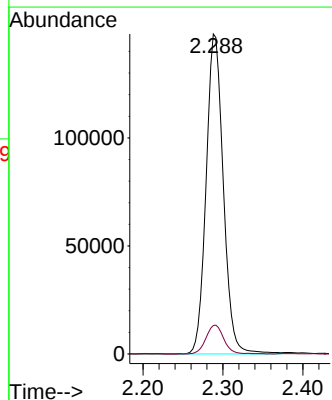
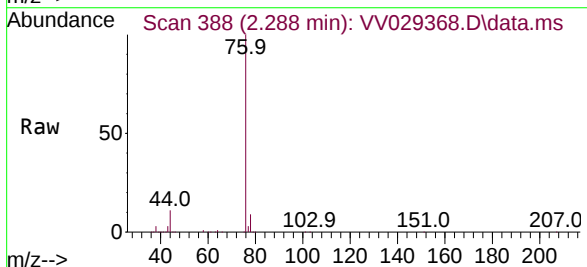
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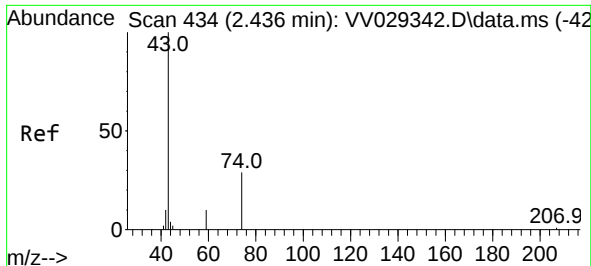
Tgt Ion: 43 Resp: 77770
Ion Ratio Lower Upper
43 100
58 36.2 0.0 70.8



#14
Carbon disulfide
Concen: 5.029 ug/L
RT: 2.288 min Scan# 388
Delta R.T. -0.003 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

Tgt Ion: 76 Resp: 221937
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2

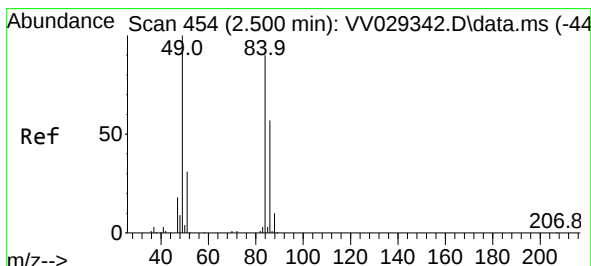
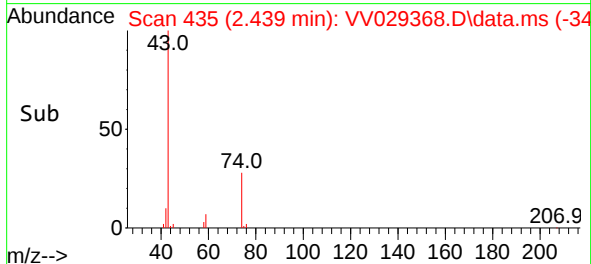
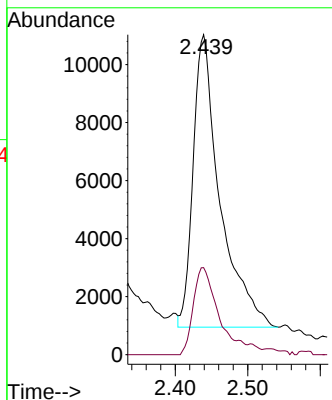
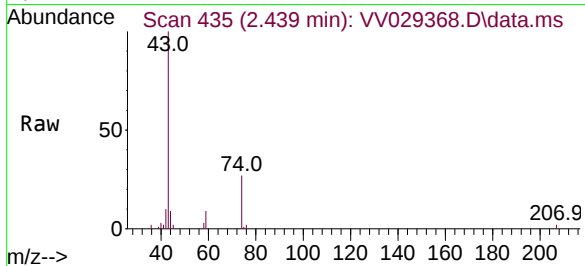




#15
Methyl Acetate
Concen: 4.075 ug/L
RT: 2.439 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

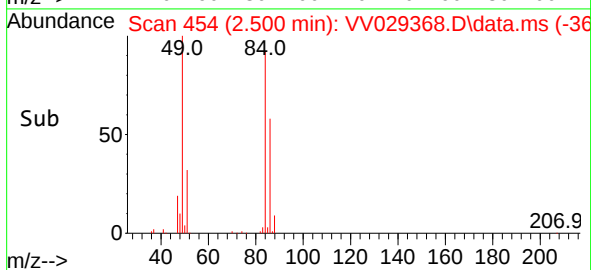
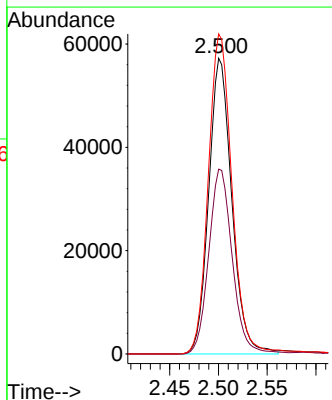
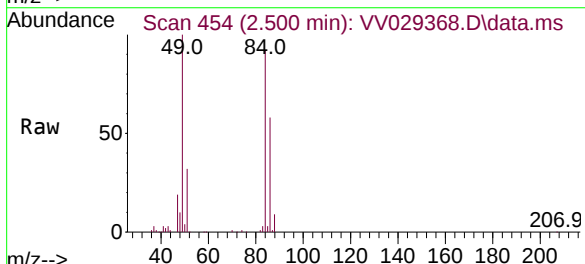
Instrument :
MSVOA_V
ClientSampleId :
VSTD005371

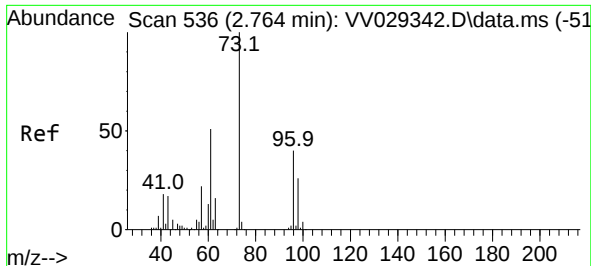
Tgt Ion: 43 Resp: 25892
Ion Ratio Lower Upper
43 100
74 28.0 19.6 29.4



#16
Methylene chloride
Concen: 4.071 ug/L
RT: 2.500 min Scan# 454
Delta R.T. 0.000 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

Tgt Ion: 84 Resp: 94471
Ion Ratio Lower Upper
84 100
86 62.5 45.6 84.6
49 108.2 77.8 144.4





#17

Methyl tert-butyl Ether

Concen: 5.199 ug/L

RT: 2.767 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005371

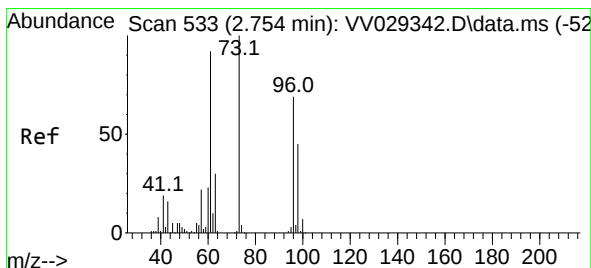
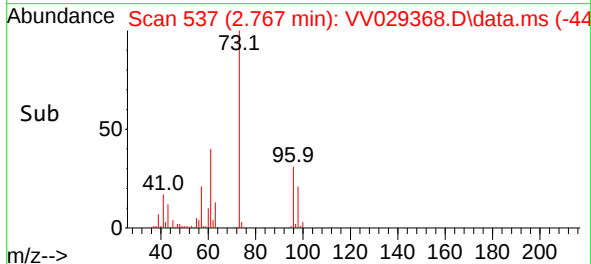
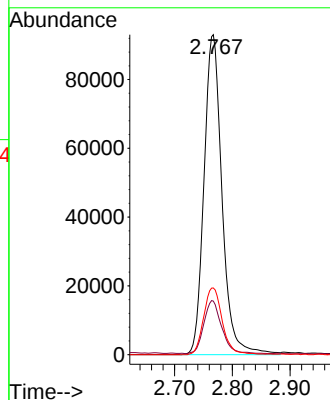
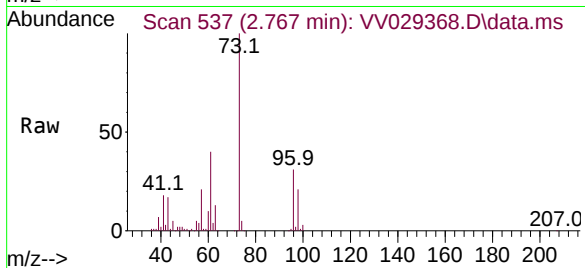
Tgt Ion: 73 Resp: 201880

Ion Ratio Lower Upper

73 100

43 16.2 13.2 19.8

57 21.6 16.9 25.3



#18

trans-1,2-Dichloroethene

Concen: 5.267 ug/L

RT: 2.754 min Scan# 533

Delta R.T. 0.000 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

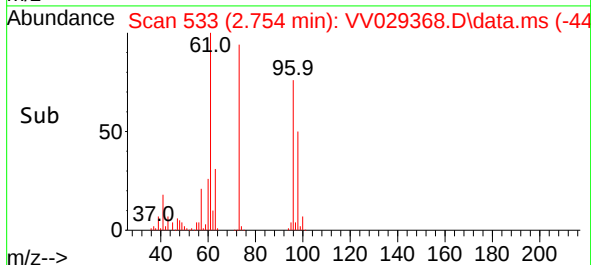
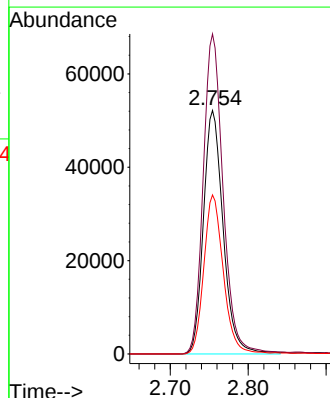
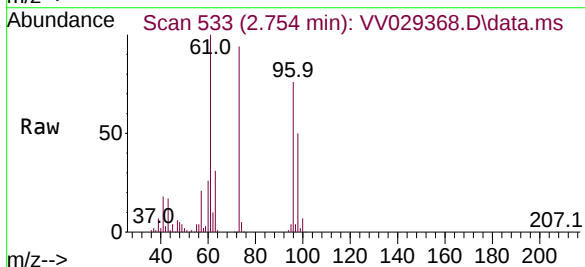
Tgt Ion: 96 Resp: 91807

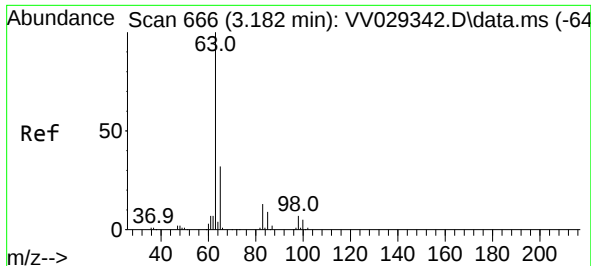
Ion Ratio Lower Upper

96 100

61 131.4 93.0 172.6

98 65.3 44.0 81.8





#19

1,1-Dichloroethane

Concen: 5.317 ug/L

RT: 3.182 min Scan# 60

Delta R.T. 0.000 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005371

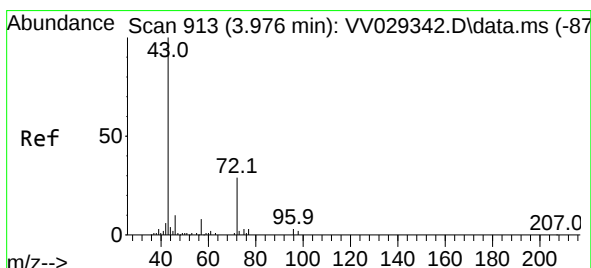
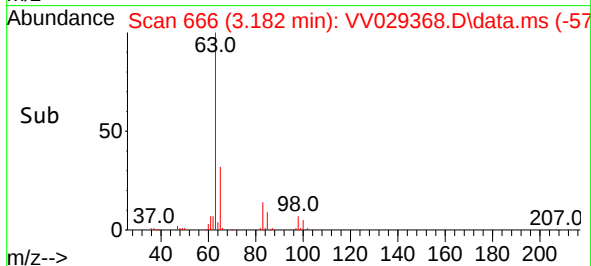
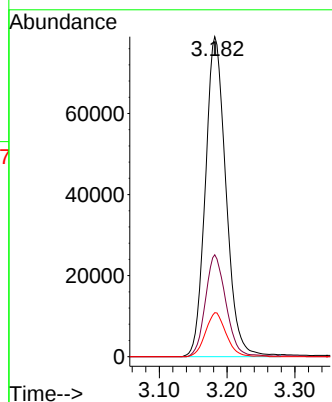
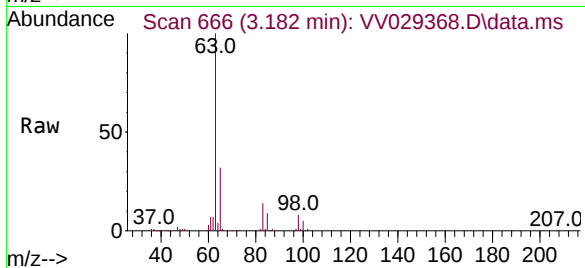
Tgt Ion: 63 Resp: 166809

Ion Ratio Lower Upper

63 100

65 31.8 21.6 40.2

83 13.8 10.3 19.1



#21

2-Butanone

Concen: 42.201 ug/L

RT: 3.989 min Scan# 917

Delta R.T. 0.013 min

Lab File: VV029368.D

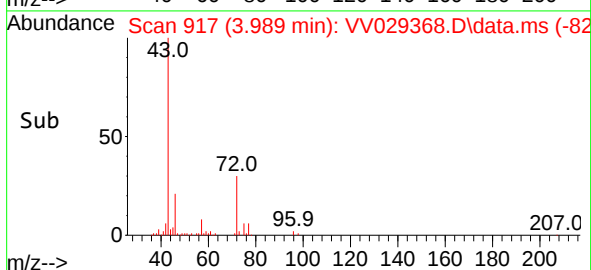
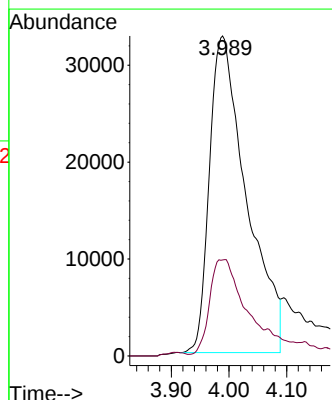
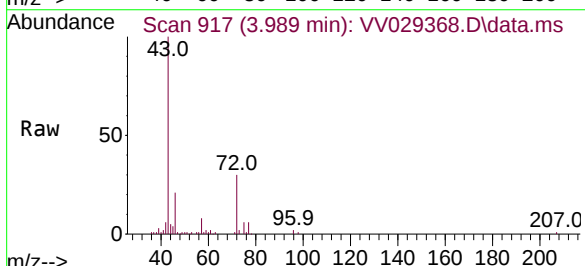
Acq: 25 Nov 2022 20:41

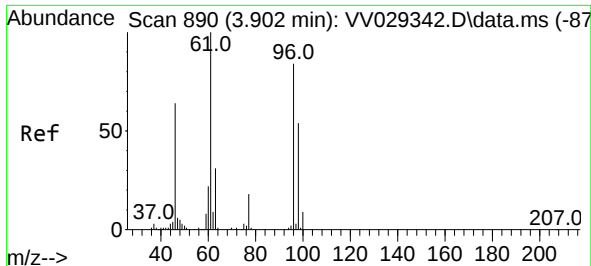
Tgt Ion: 43 Resp: 146060

Ion Ratio Lower Upper

43 100

72 27.4 13.8 41.3

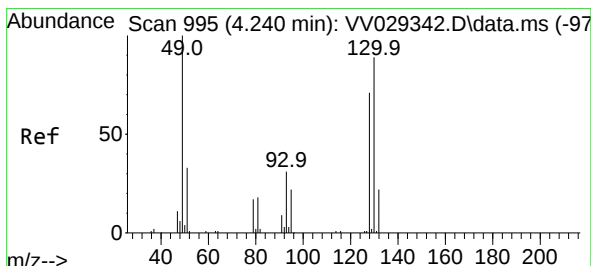
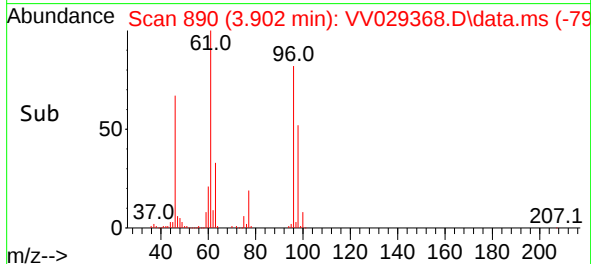
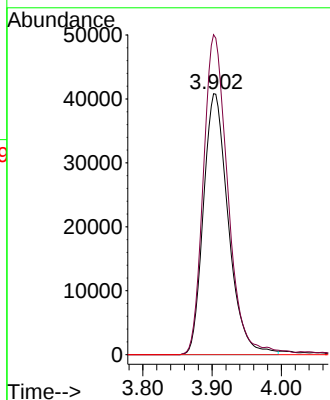
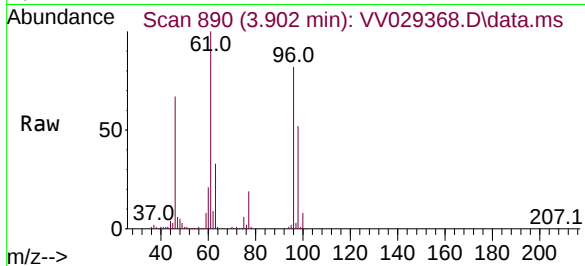




#22
 cis-1,2-Dichloroethene
 Concen: 5.109 ug/L
 RT: 3.902 min Scan# 890
 Delta R.T. 0.000 min
 Lab File: VV029368.D
 Acq: 25 Nov 2022 20:41

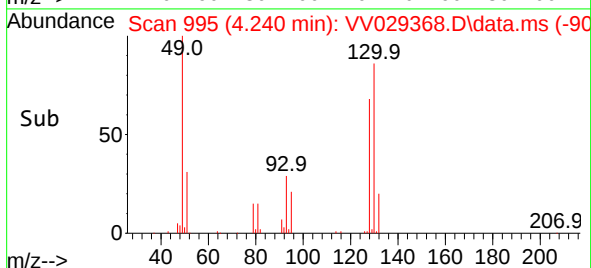
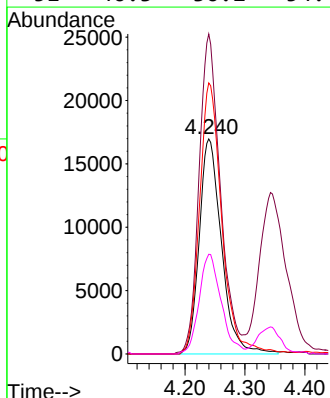
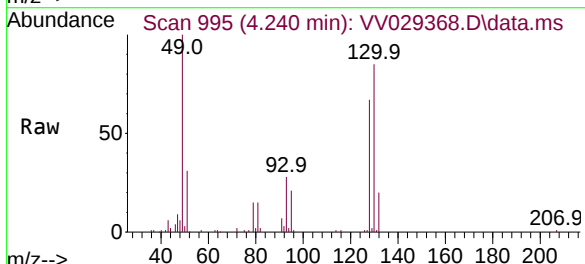
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005371

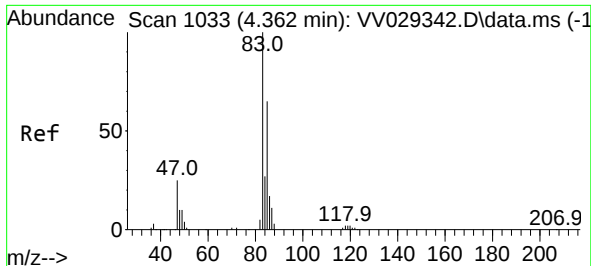
Tgt Ion: 96 Resp: 101852
 Ion Ratio Lower Upper
 96 100
 61 122.6 85.8 159.3
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.483 ug/L
 RT: 4.240 min Scan# 995
 Delta R.T. 0.000 min
 Lab File: VV029368.D
 Acq: 25 Nov 2022 20:41

Tgt Ion: 128 Resp: 43785
 Ion Ratio Lower Upper
 128 100
 49 148.8 100.0 185.8
 130 126.1 90.2 167.6
 51 46.3 36.2 54.4

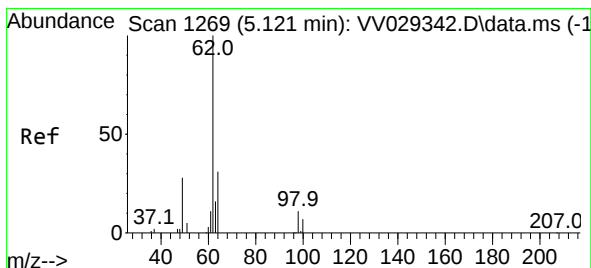
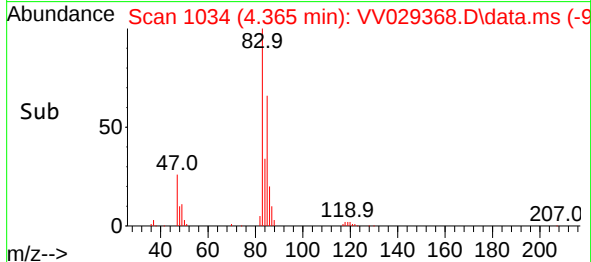
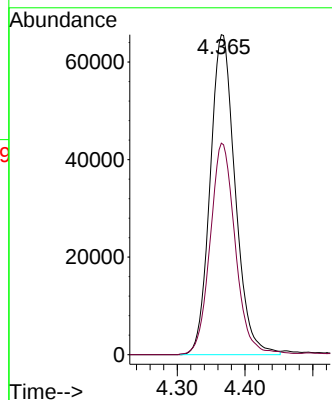
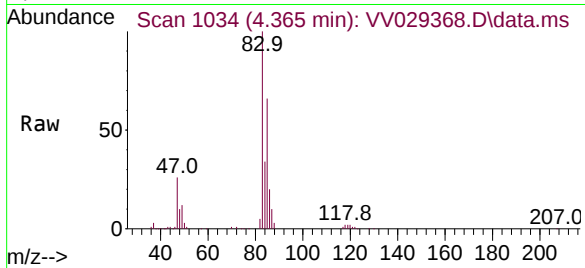




#25
Chloroform
Concen: 5.144 ug/L
RT: 4.365 min Scan# 1033
Delta R.T. 0.003 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

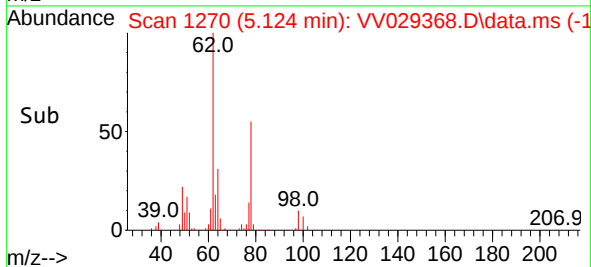
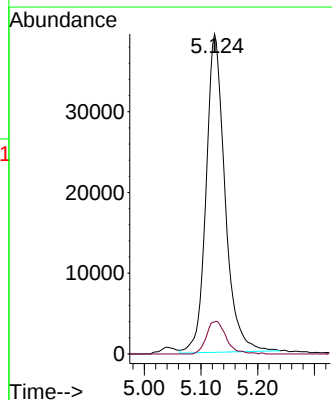
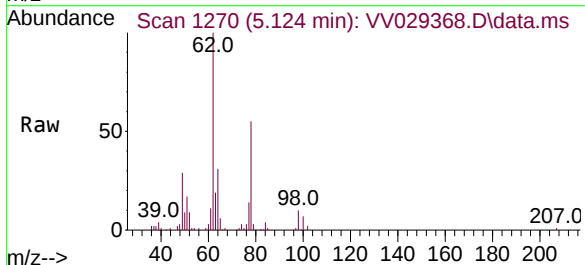
Instrument :
MSVOA_V
ClientSampleId :
VSTD005371

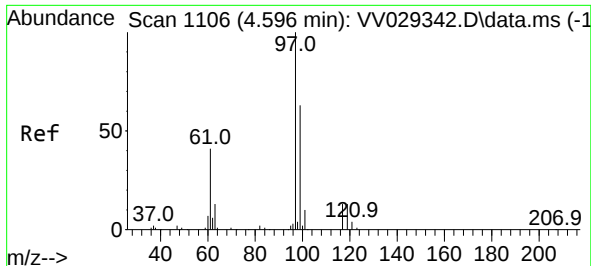
Tgt Ion: 83 Resp: 168494
Ion Ratio Lower Upper
83 100
85 66.1 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.149 ug/L
RT: 5.124 min Scan# 1270
Delta R.T. 0.003 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

Tgt Ion: 62 Resp: 91372
Ion Ratio Lower Upper
62 100
98 10.0 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 4.807 ug/L

RT: 4.600 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005371

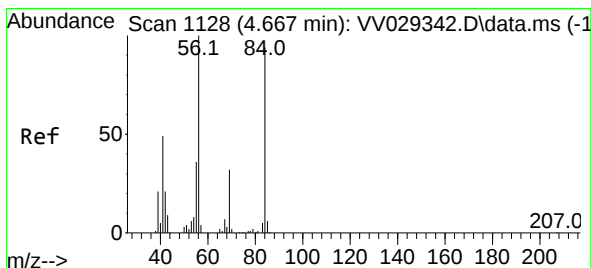
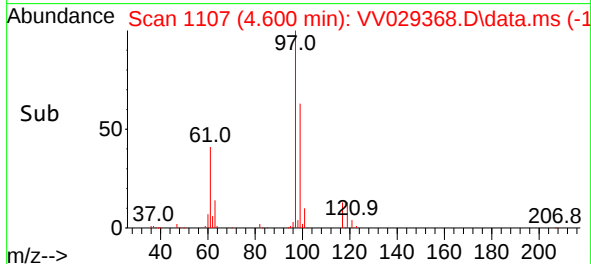
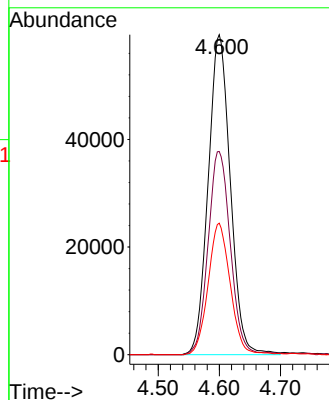
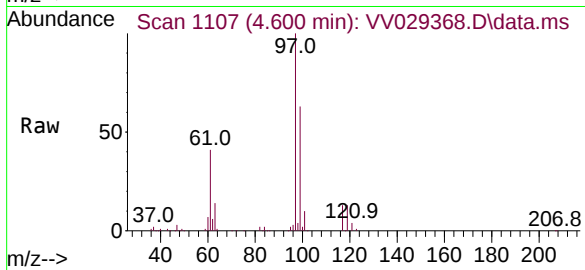
Tgt Ion: 97 Resp: 149700

Ion Ratio Lower Upper

97 100

99 63.6 51.2 76.8

61 41.1 33.3 49.9



#30

Cyclohexane

Concen: 4.811 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. 0.003 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

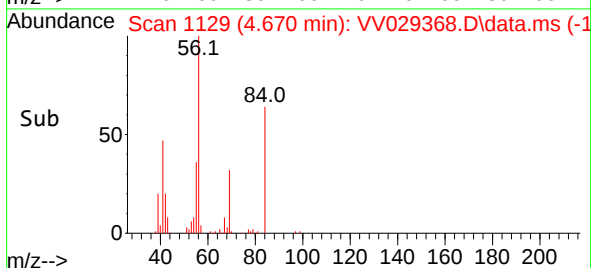
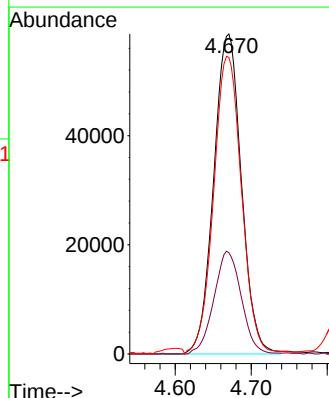
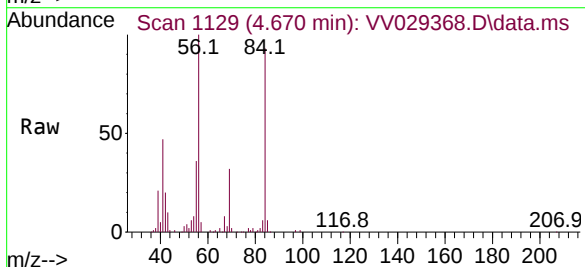
Tgt Ion: 56 Resp: 148093

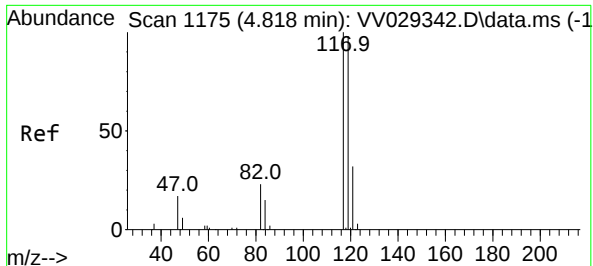
Ion Ratio Lower Upper

56 100

69 31.8 26.1 39.1

84 94.0 75.6 113.4

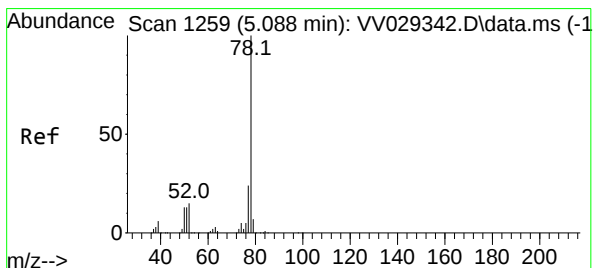
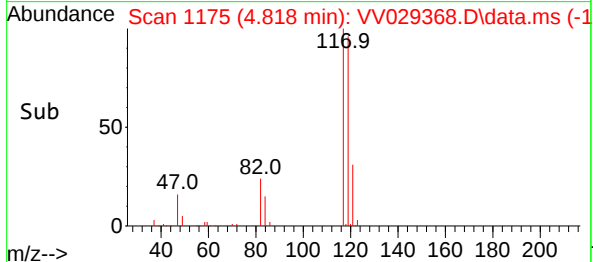
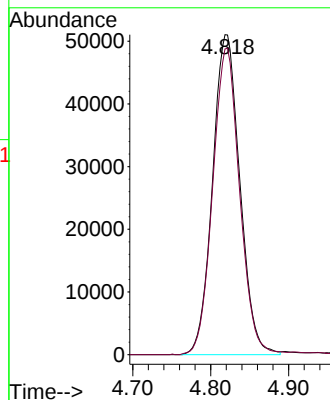
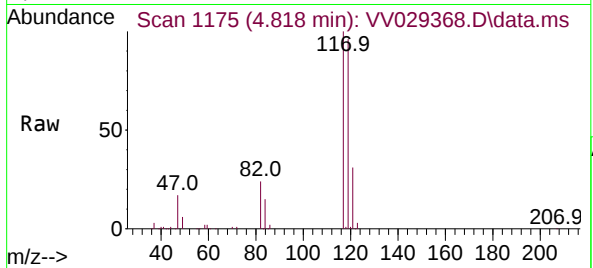




#31
Carbon tetrachloride
Concen: 4.712 ug/L
RT: 4.818 min Scan# 1175
Delta R.T. 0.000 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

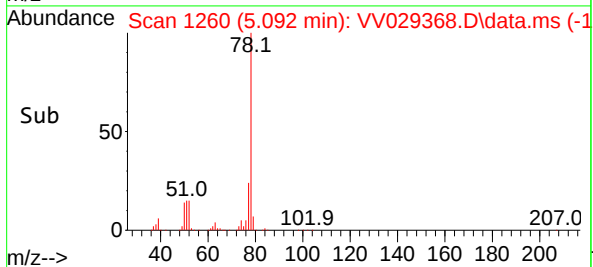
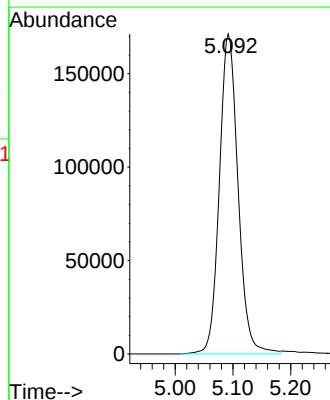
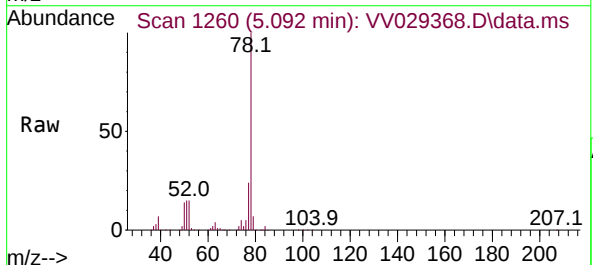
Instrument :
MSVOA_V
ClientSampleId :
VSTD005371

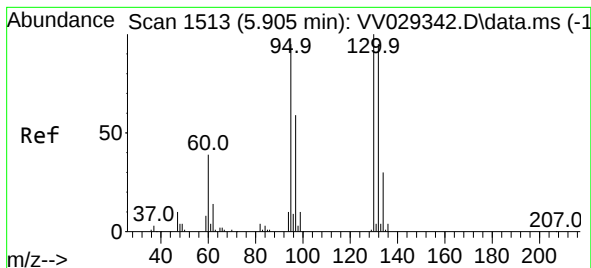
Tgt Ion:117 Resp: 124113
Ion Ratio Lower Upper
117 100
119 94.7 75.7 113.5



#33
Benzene
Concen: 4.753 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.003 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

Tgt Ion: 78 Resp: 384904





#34

Trichloroethene

Concen: 4.713 ug/L

RT: 5.905 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005371

Tgt Ion: 95 Resp: 97359

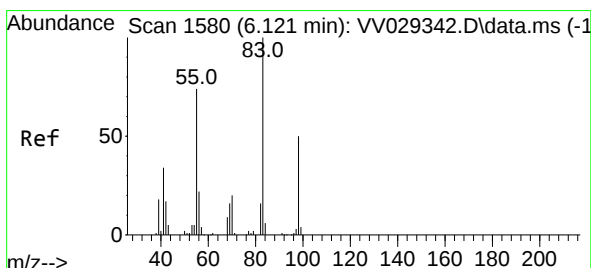
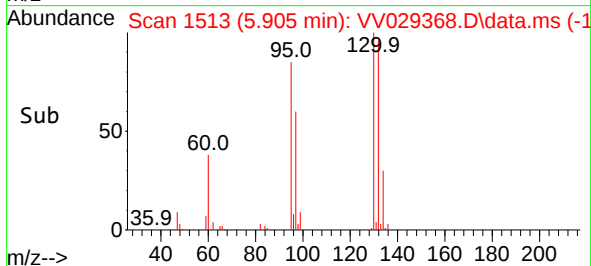
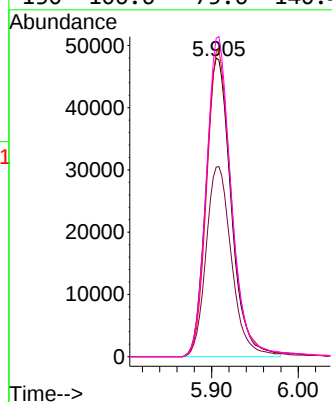
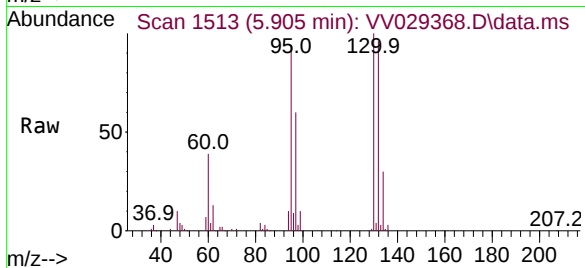
Ion Ratio Lower Upper

95 100

97 63.4 45.4 84.4

132 102.1 73.3 136.1

130 106.6 75.6 140.4



#35

Methylcyclohexane

Concen: 4.598 ug/L

RT: 6.124 min Scan# 1581

Delta R.T. 0.003 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

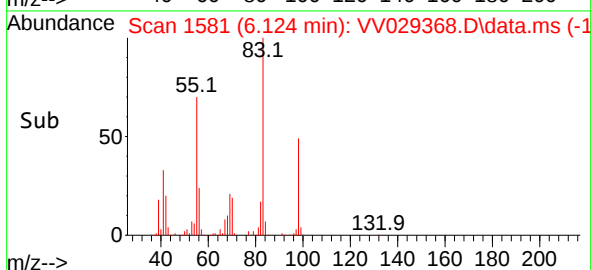
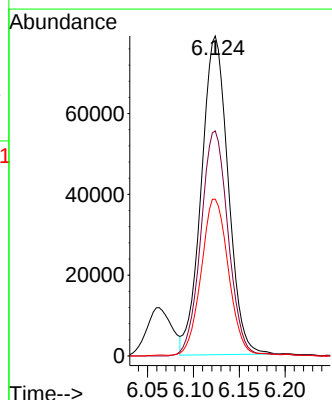
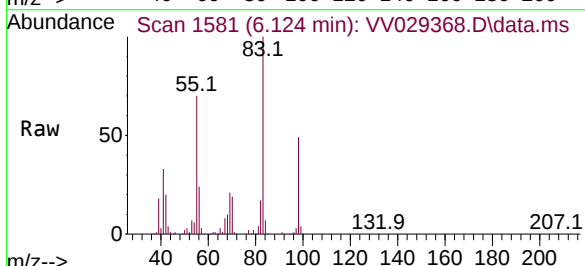
Tgt Ion: 83 Resp: 160328

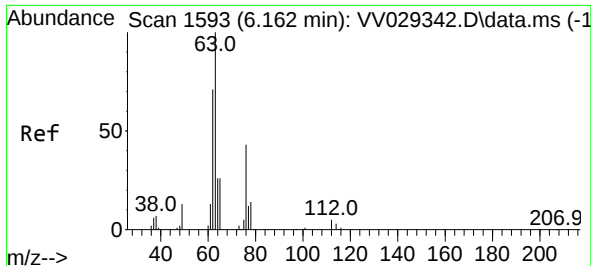
Ion Ratio Lower Upper

83 100

55 72.4 55.4 83.2

98 49.7 39.4 59.2





#37

1,2-Dichloropropane

Concen: 5.003 ug/L

RT: 6.166 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

Instrument :

MSVOA_V

ClientSampleId :

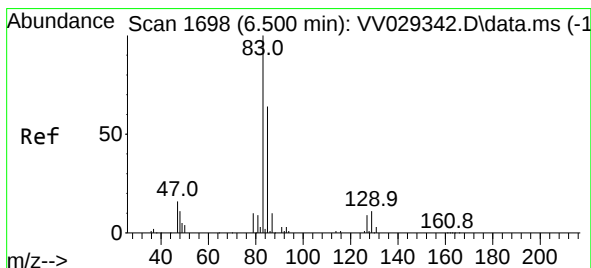
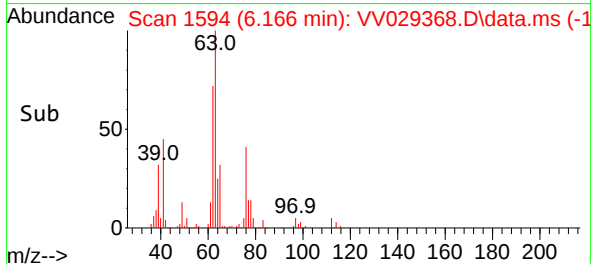
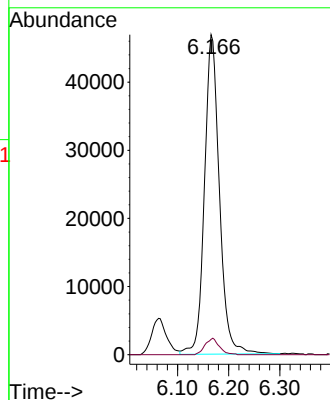
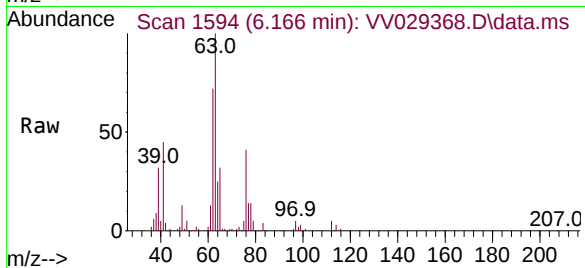
VSTD005371

Tgt Ion: 63 Resp: 95439

Ion Ratio Lower Upper

63 100

112 4.9 4.1 6.1



#38

Bromodichloromethane

Concen: 4.876 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.003 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

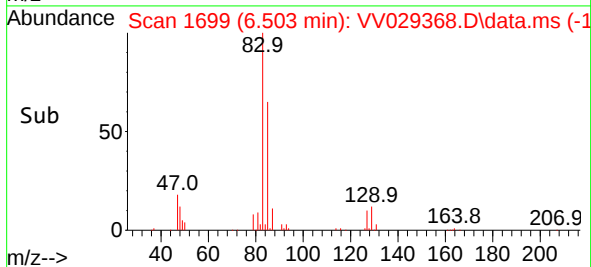
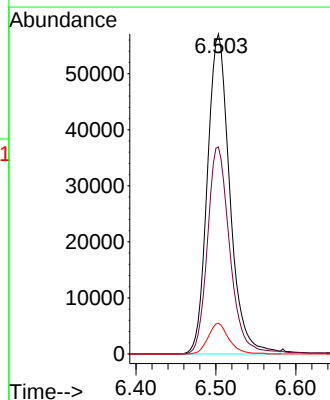
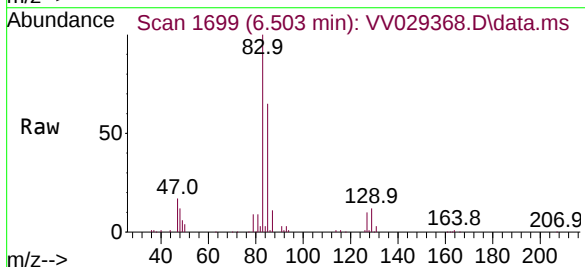
Tgt Ion: 83 Resp: 111359

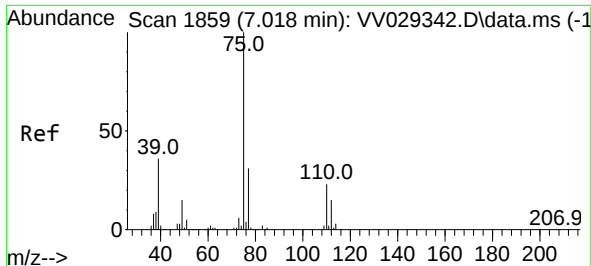
Ion Ratio Lower Upper

83 100

85 64.7 44.7 83.1

127 9.6 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 4.877 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. 0.003 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

Instrument :

MSVOA_V

ClientSampleId :

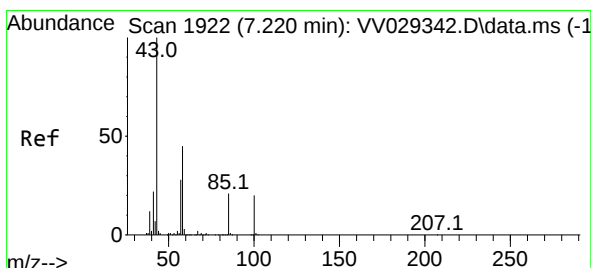
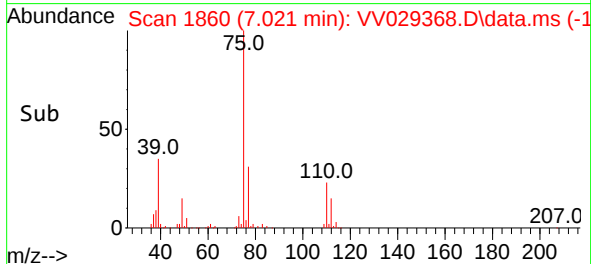
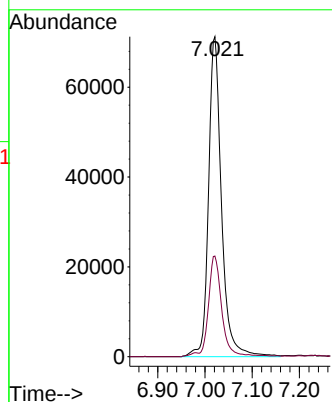
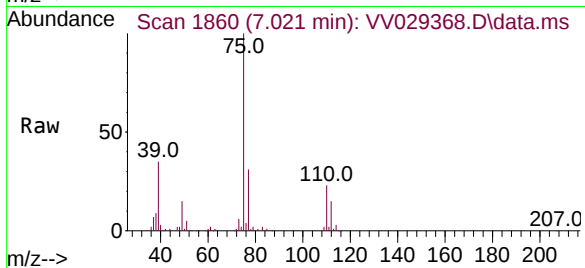
VSTD005371

Tgt Ion: 75 Resp: 135990

Ion Ratio Lower Upper

75 100

77 31.5 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 51.542 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.003 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

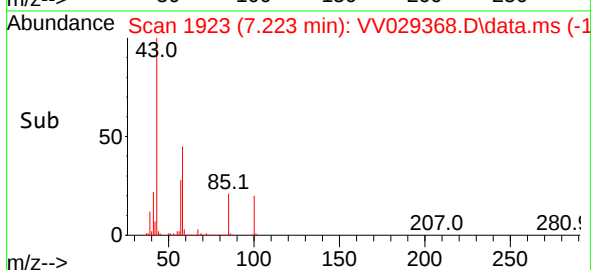
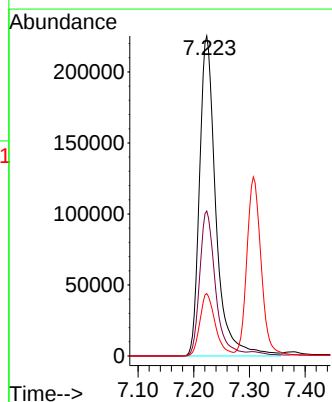
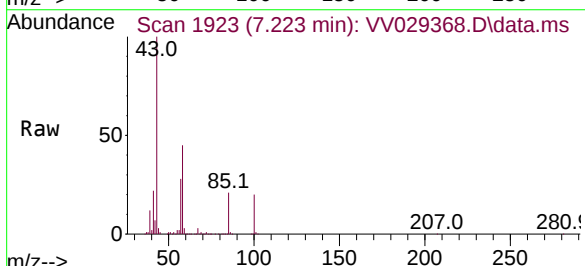
Tgt Ion: 43 Resp: 460103

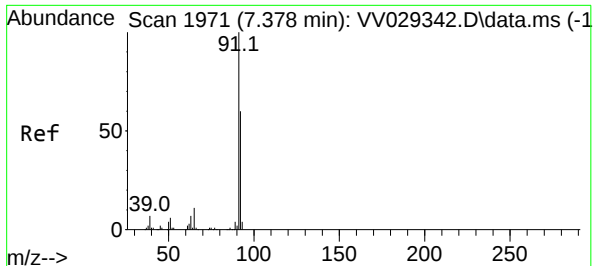
Ion Ratio Lower Upper

43 100

58 43.7 35.3 52.9

100 18.5 15.3 22.9





#42

Toluene

Concen: 4.799 ug/L

RT: 7.381 min Scan# 1971

Delta R.T. 0.003 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

Instrument :

MSVOA_V

ClientSampleId :

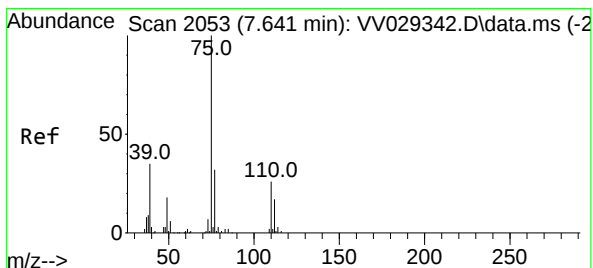
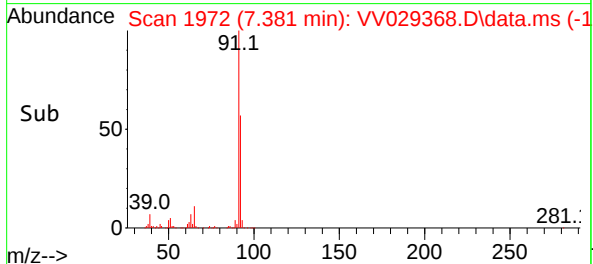
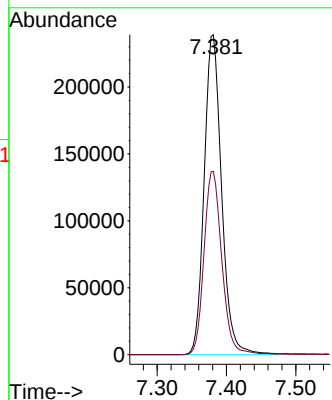
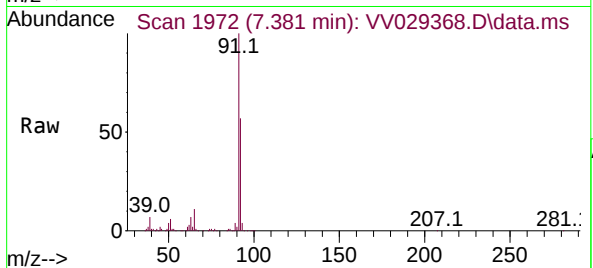
VSTD005371

Tgt Ion: 91 Resp: 417083

Ion Ratio Lower Upper

91 100

92 57.3 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.904 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. 0.003 min

Lab File: VV029368.D

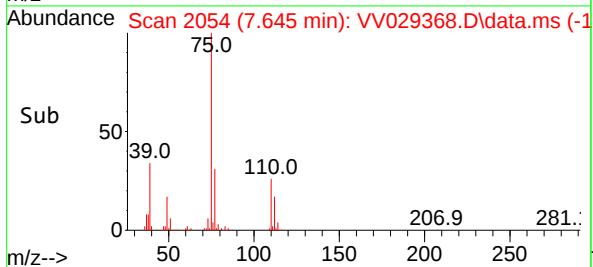
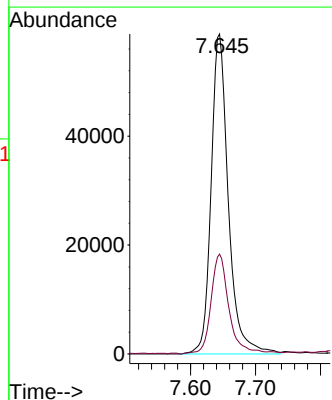
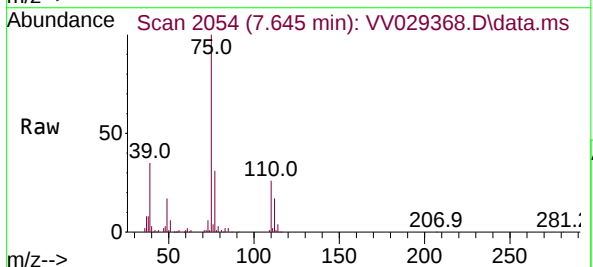
Acq: 25 Nov 2022 20:41

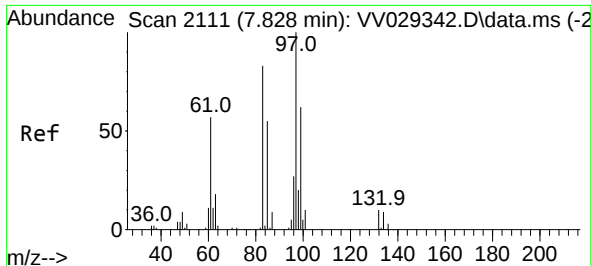
Tgt Ion: 75 Resp: 108324

Ion Ratio Lower Upper

75 100

77 31.2 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 4.994 ug/L

RT: 7.831 min Scan# 2111

Delta R.T. 0.003 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005371

Tgt Ion: 97 Resp: 64497

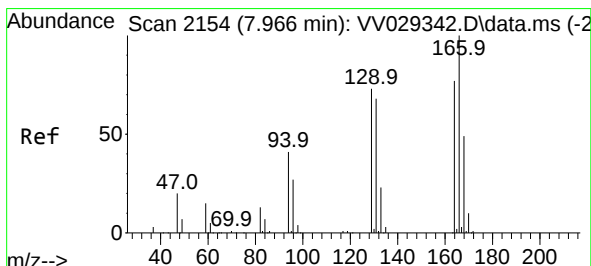
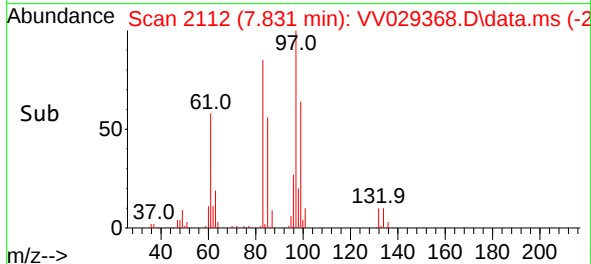
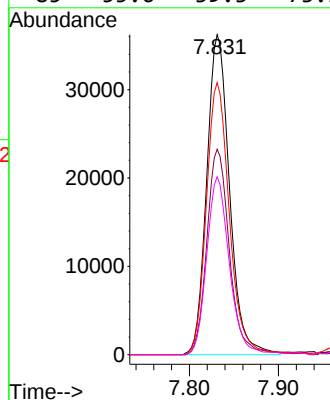
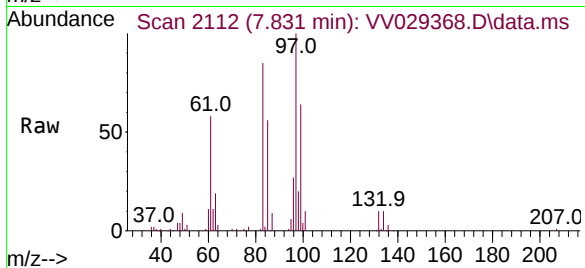
Ion Ratio Lower Upper

97 100

99 64.2 44.4 82.5

83 85.0 59.5 110.5

85 55.6 39.3 73.1



#47

Tetrachloroethene

Concen: 4.679 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. 0.000 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

Tgt Ion:164 Resp: 79239

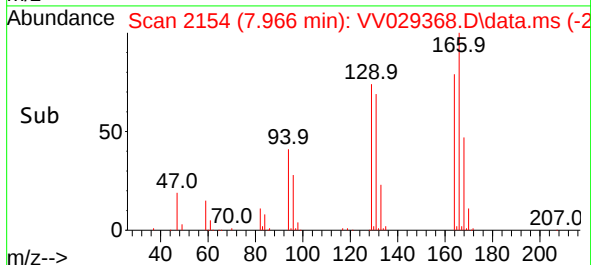
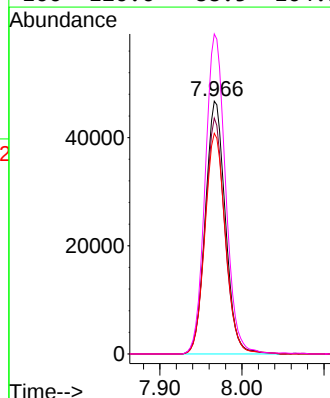
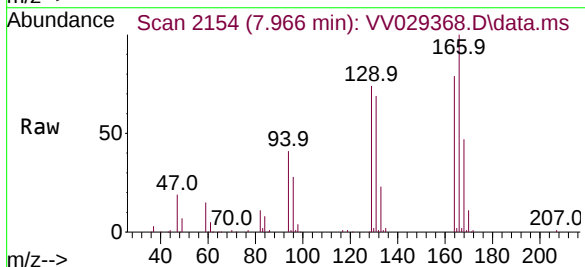
Ion Ratio Lower Upper

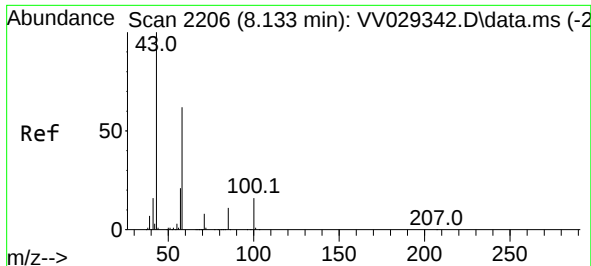
164 100

129 93.3 61.7 114.7

131 87.3 62.9 116.9

166 126.6 88.5 164.3

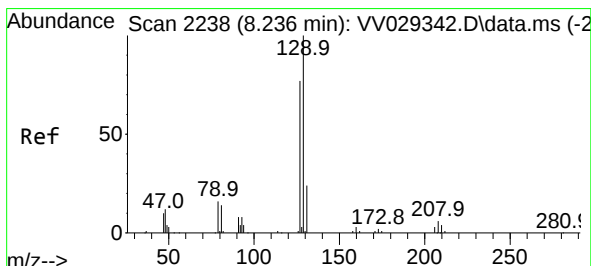
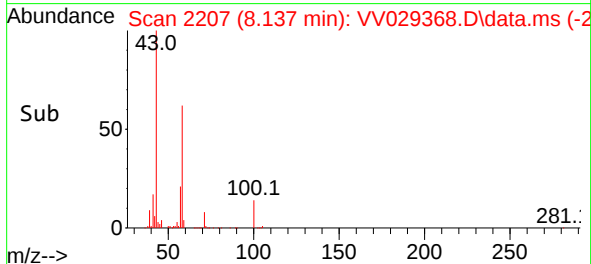
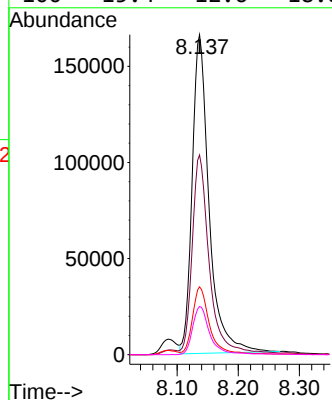
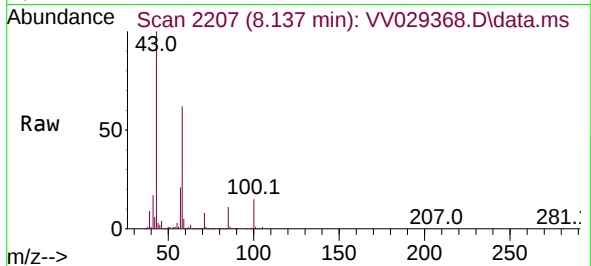




#48
2-Hexanone
Concen: 51.159 ug/L
RT: 8.137 min Scan# 2206
Delta R.T. 0.003 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

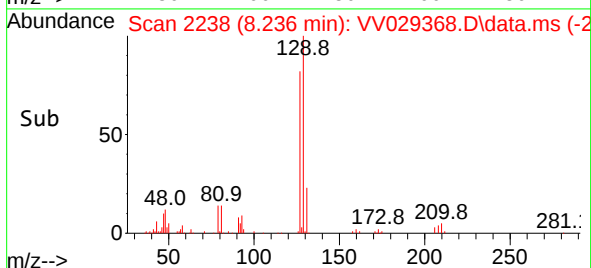
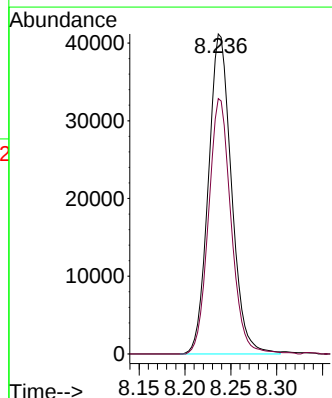
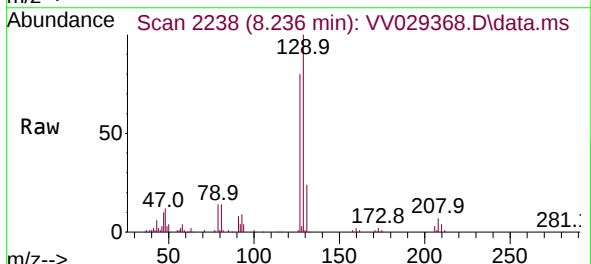
Instrument :
MSVOA_V
ClientSampleId :
VSTD005371

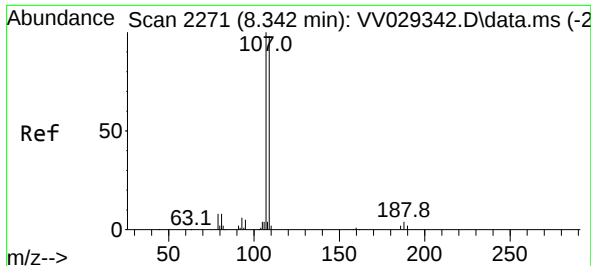
Tgt Ion: 43 Resp: 318372
Ion Ratio Lower Upper
43 100
58 62.6 49.4 74.0
57 20.6 16.9 25.3
100 15.4 12.6 18.8



#49
Dibromochloromethane
Concen: 4.963 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. 0.000 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

Tgt Ion: 129 Resp: 72105
Ion Ratio Lower Upper
129 100
127 79.8 53.1 98.7





#50

1,2-Dibromoethane

Concen: 5.007 ug/L

RT: 8.346 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005371

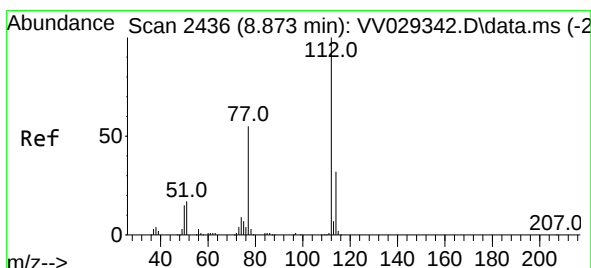
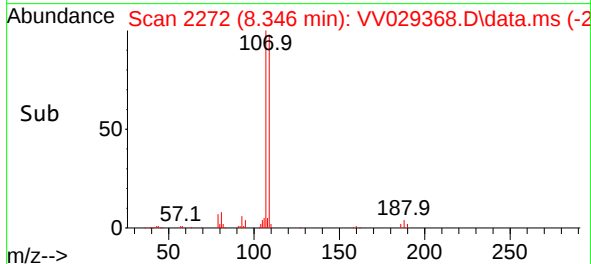
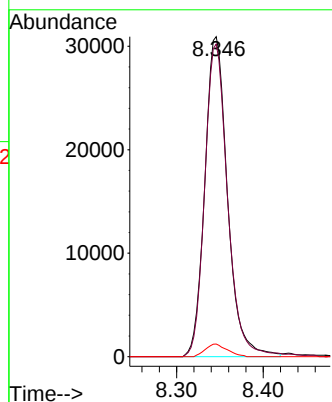
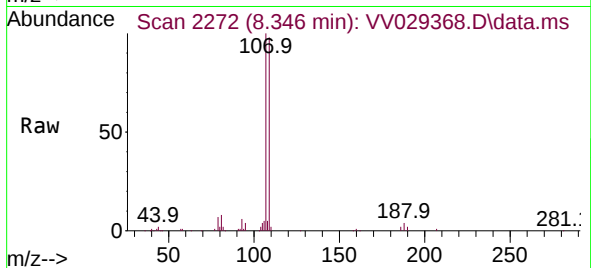
Tgt Ion:107 Resp: 56423

Ion Ratio Lower Upper

107 100

109 97.7 64.0 118.8

188 4.0 3.0 4.4



#51

Chlorobenzene

Concen: 4.936 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. 0.000 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

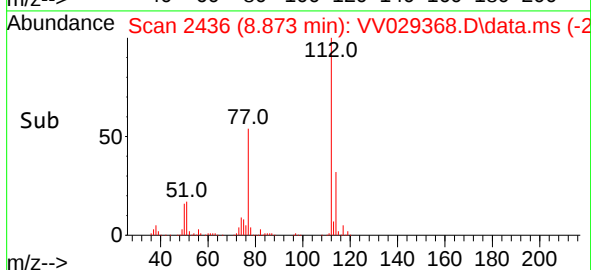
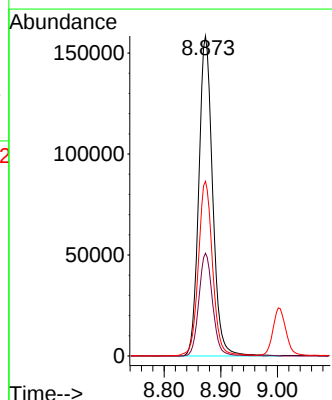
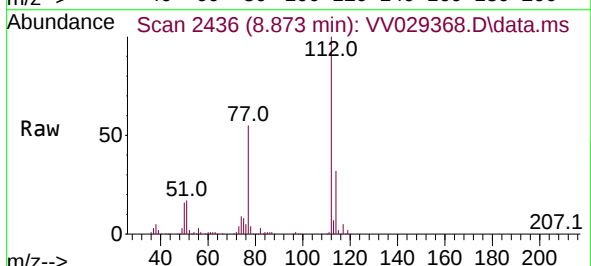
Tgt Ion:112 Resp: 268131

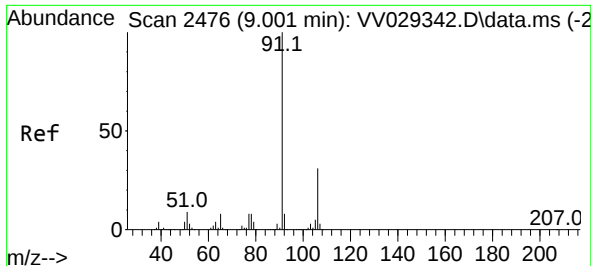
Ion Ratio Lower Upper

112 100

114 32.1 22.9 42.5

77 54.6 45.3 67.9

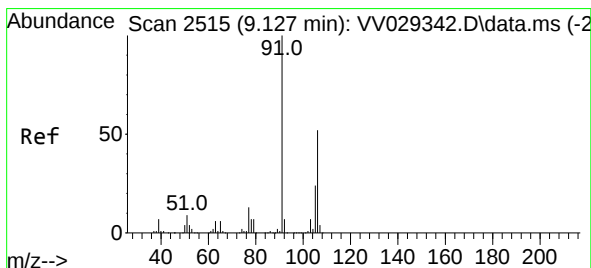
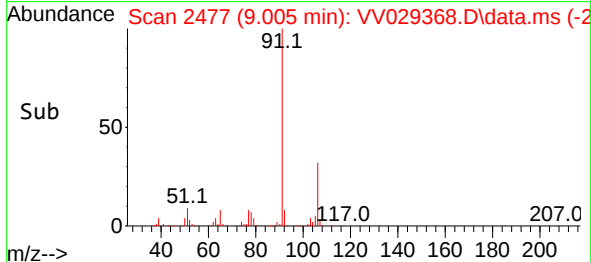
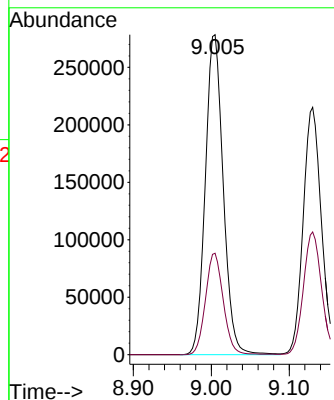
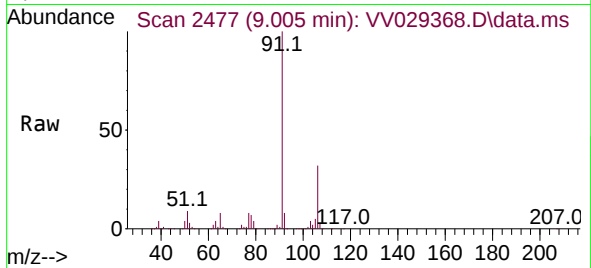




#52
Ethylbenzene
Concen: 4.907 ug/L
RT: 9.005 min Scan# 2476
Delta R.T. 0.003 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

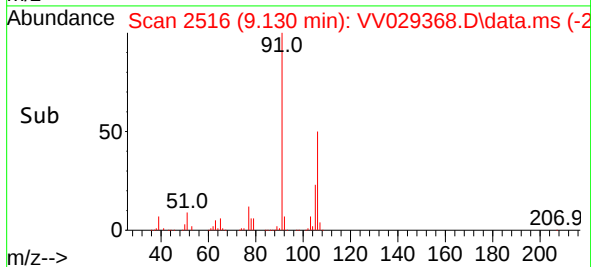
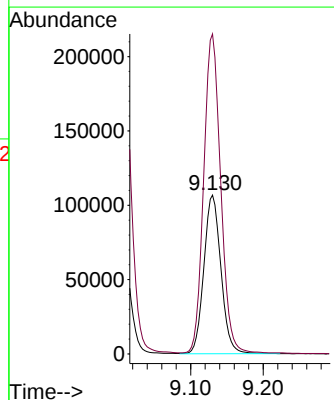
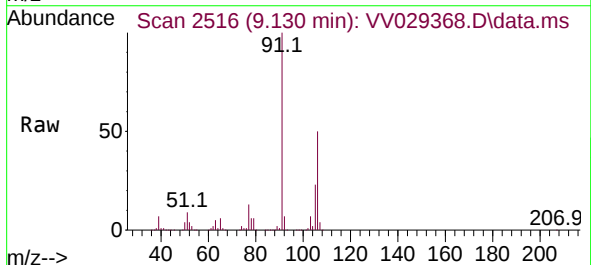
Instrument :
MSVOA_V
ClientSampleId :
VSTD005371

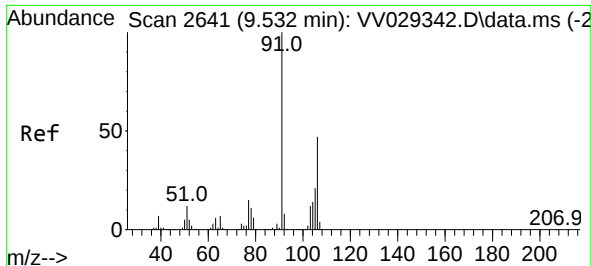
Tgt Ion: 91 Resp: 444627
Ion Ratio Lower Upper
91 100
106 31.7 21.9 40.7



#53
m,p-Xylene
Concen: 4.876 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

Tgt Ion: 106 Resp: 174266
Ion Ratio Lower Upper
106 100
91 201.4 140.6 261.2

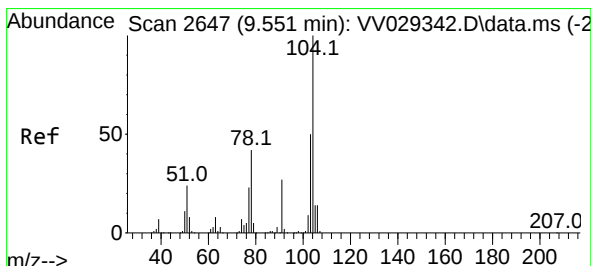
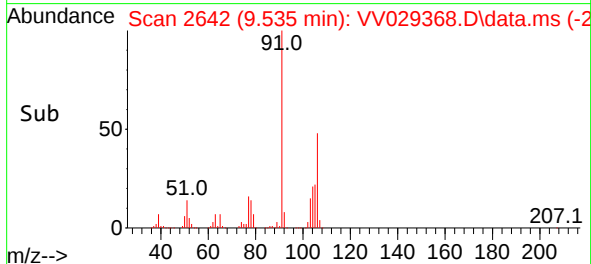
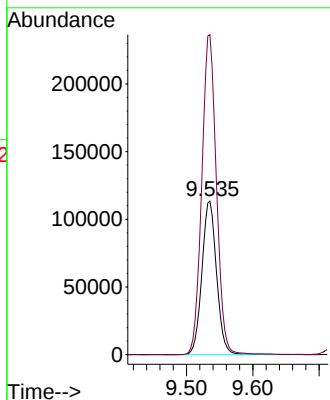
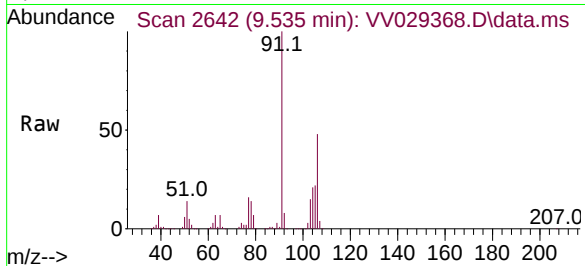




#54
o-Xylene
Concen: 4.954 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.003 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

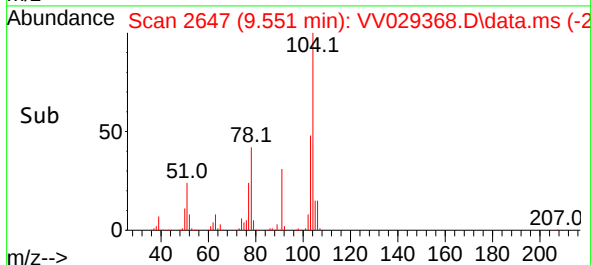
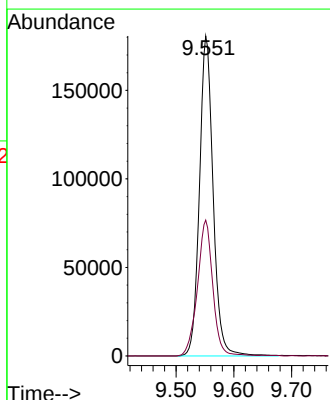
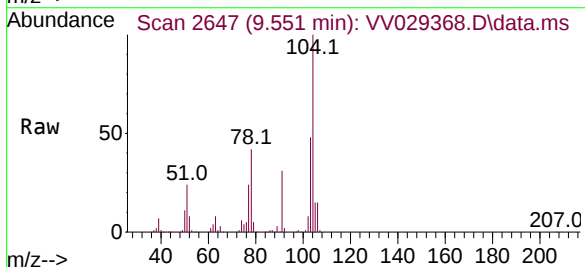
Instrument :
MSVOA_V
ClientSampleId :
VSTD005371

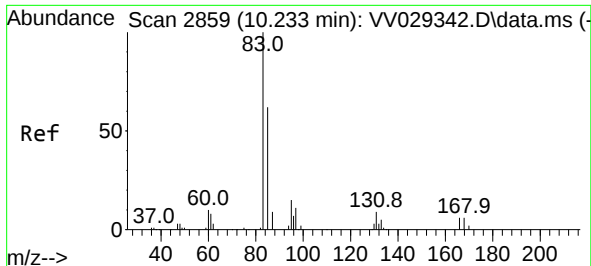
Tgt Ion:106 Resp: 173941
Ion Ratio Lower Upper
106 100
91 208.3 146.9 272.9



#55
Styrene
Concen: 5.025 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.000 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

Tgt Ion:104 Resp: 297831
Ion Ratio Lower Upper
104 100
78 42.5 29.9 55.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.557 ug/L

RT: 10.233 min Scan# 2859

Delta R.T. 0.000 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005371

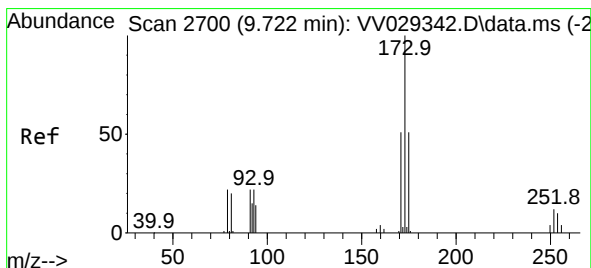
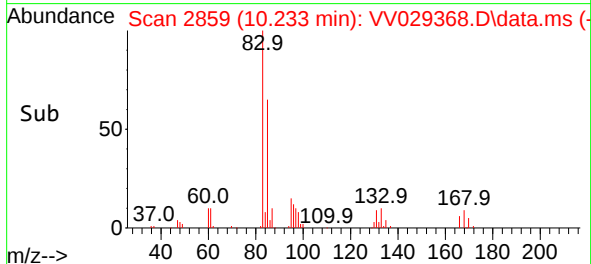
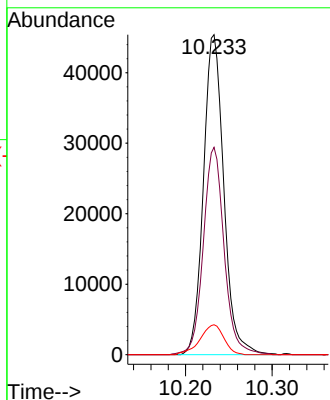
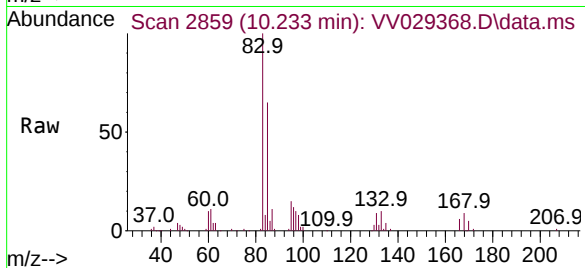
Tgt Ion: 83 Resp: 74267

Ion Ratio Lower Upper

83 100

85 64.8 45.5 84.5

131 9.4 8.2 12.2



#59

Bromoform

Concen: 5.291 ug/L

RT: 9.722 min Scan# 2700

Delta R.T. 0.000 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

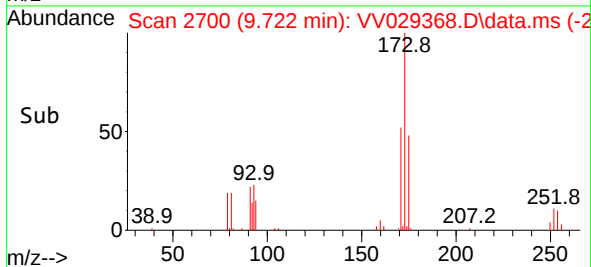
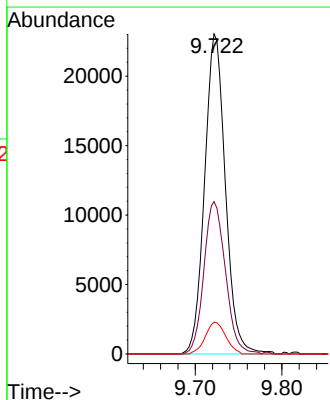
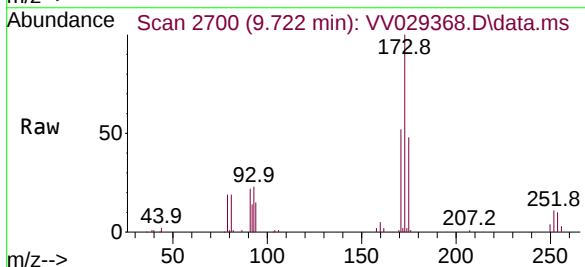
Tgt Ion: 173 Resp: 38419

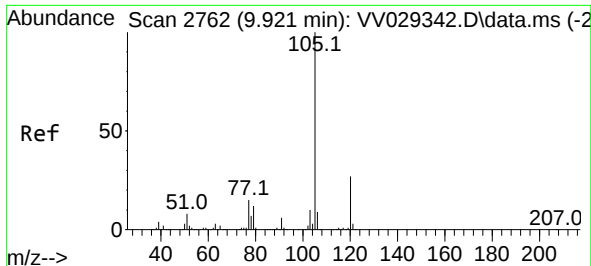
Ion Ratio Lower Upper

173 100

175 49.3 38.6 58.0

254 9.8 8.3 12.5

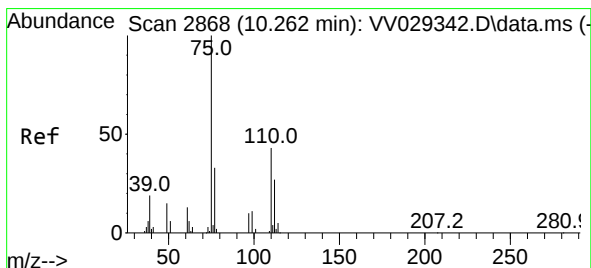
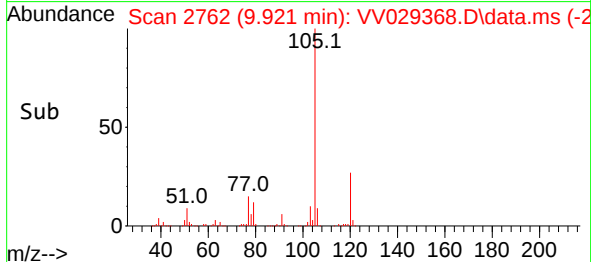
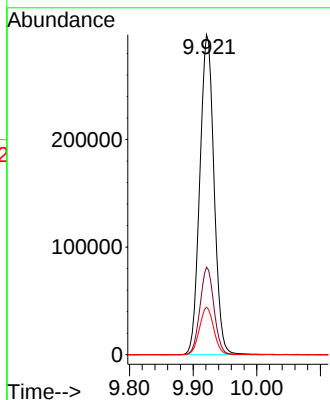
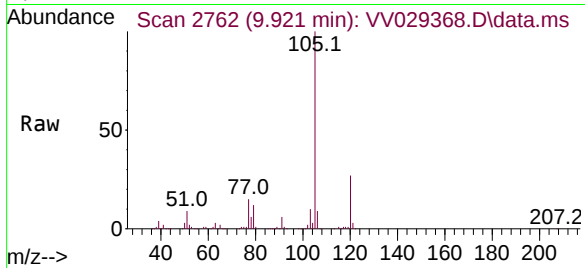




#60
Isopropylbenzene
Concen: 5.170 ug/L
RT: 9.921 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

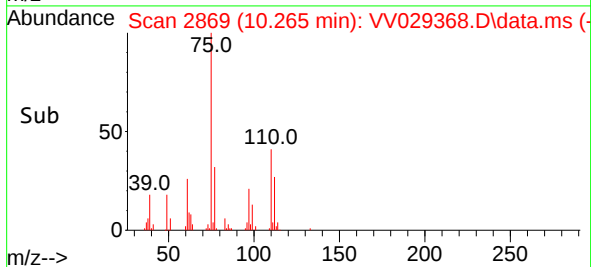
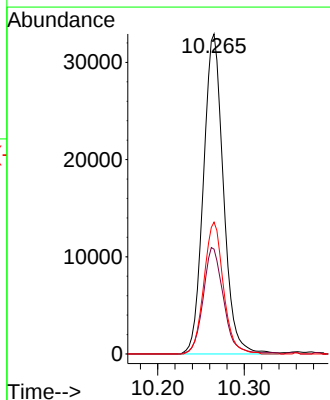
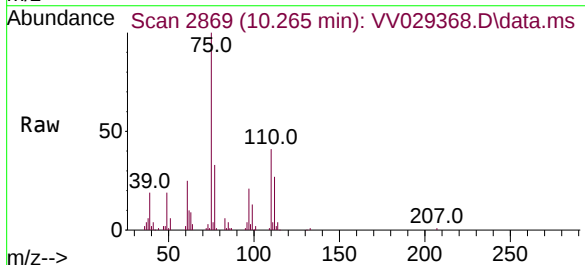
Instrument :
MSVOA_V
ClientSampleId :
VSTD005371

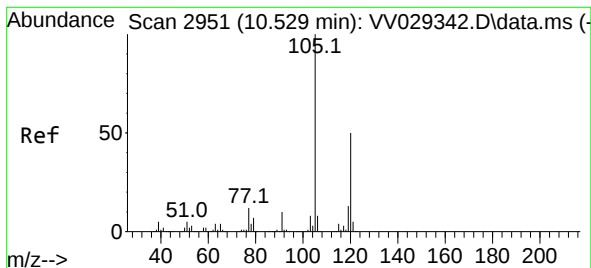
Tgt Ion:105 Resp: 461960
Ion Ratio Lower Upper
105 100
120 27.0 21.4 32.2
77 14.9 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.508 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. 0.003 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

Tgt Ion: 75 Resp: 52799
Ion Ratio Lower Upper
75 100
77 33.8 26.7 40.1
110 40.2 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 4.926 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

Instrument :

MSVOA_V

ClientSampleId :

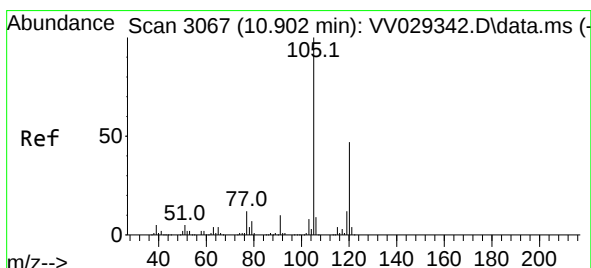
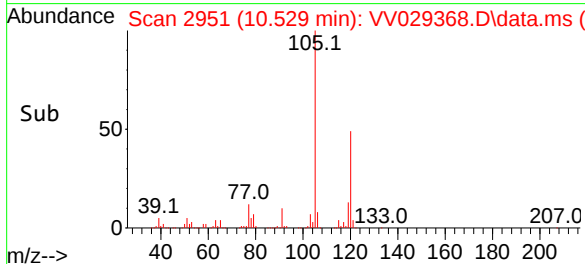
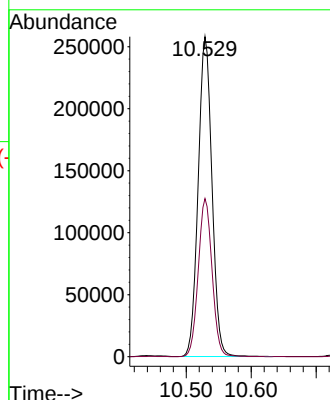
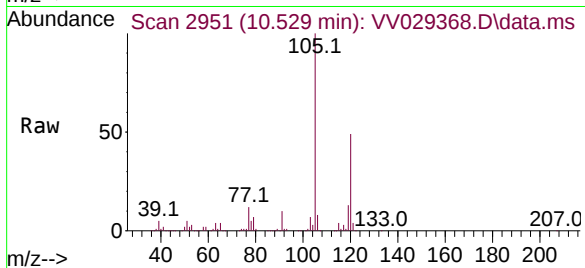
VSTD005371

Tgt Ion:105 Resp: 381155

Ion Ratio Lower Upper

105 100

120 49.5 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 4.920 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.003 min

Lab File: VV029368.D

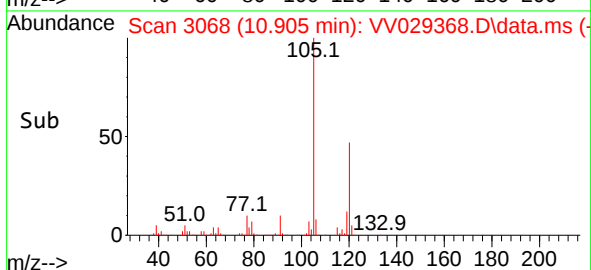
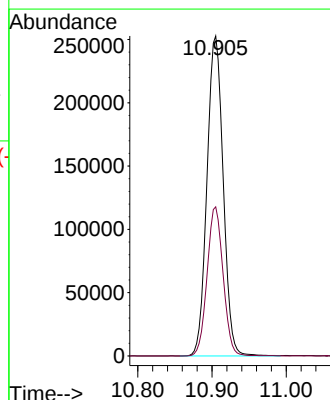
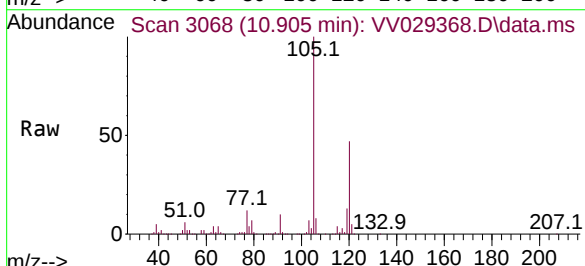
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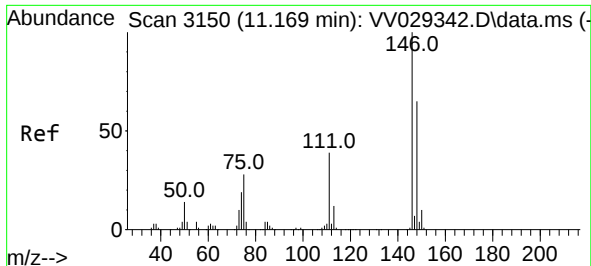
Tgt Ion:105 Resp: 382926

Ion Ratio Lower Upper

105 100

120 46.0 37.2 55.8

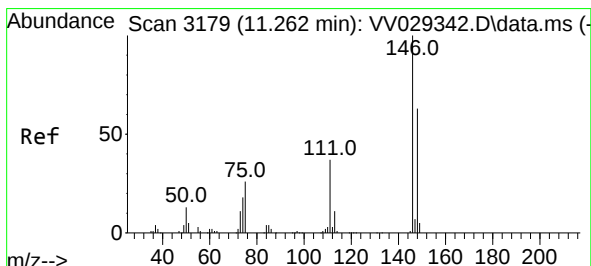
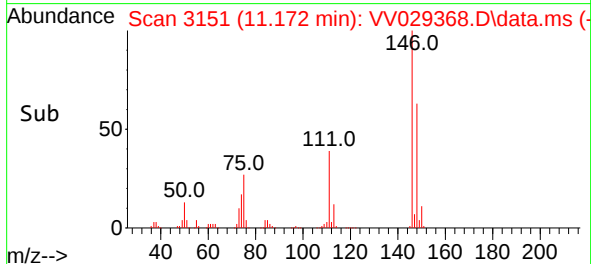
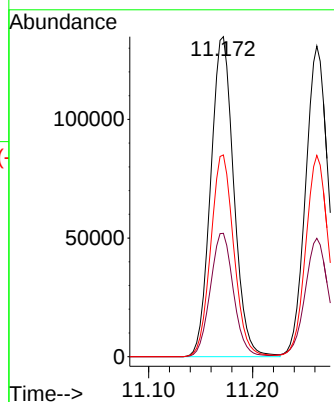
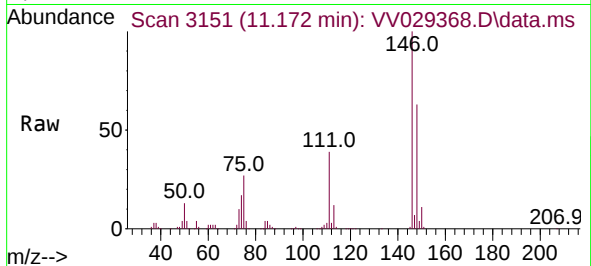




#64
1,3-Dichlorobenzene
Concen: 4.997 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

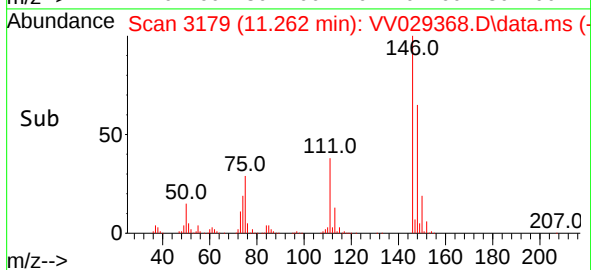
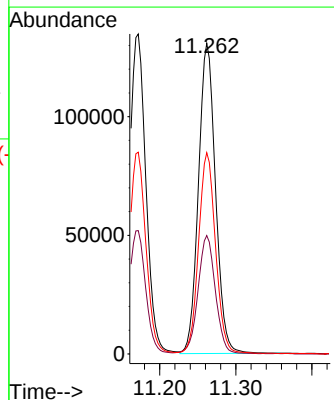
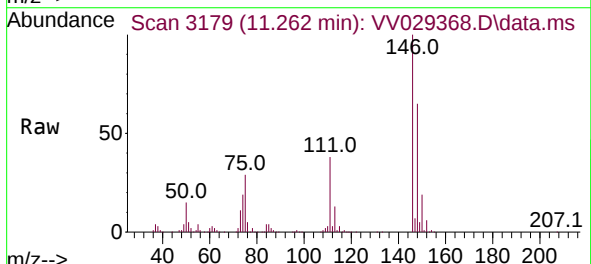
Instrument :
MSVOA_V
ClientSampleId :
VSTD005371

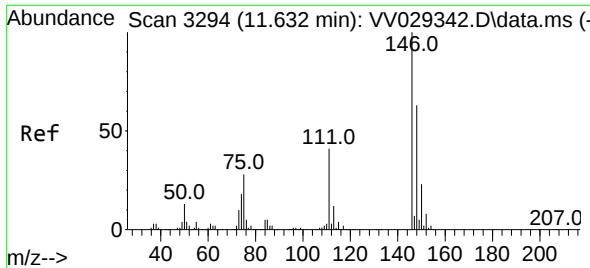
Tgt Ion:146 Resp: 208315
Ion Ratio Lower Upper
146 100
111 38.6 26.3 48.9
148 63.1 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 4.941 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

Tgt Ion:146 Resp: 203780
Ion Ratio Lower Upper
146 100
111 38.1 26.0 48.4
148 64.8 44.7 82.9

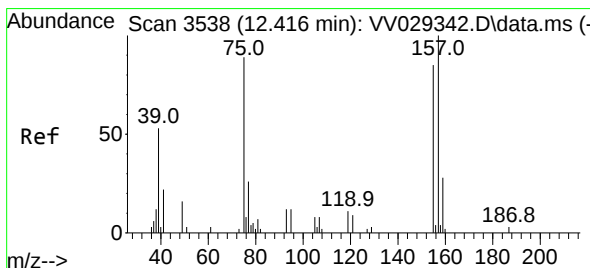
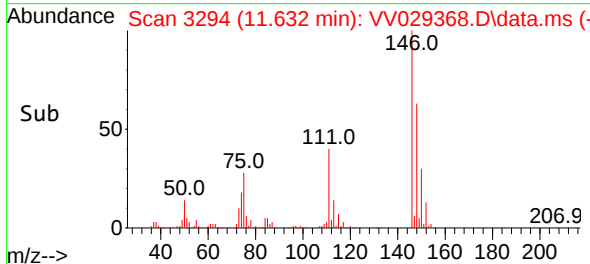
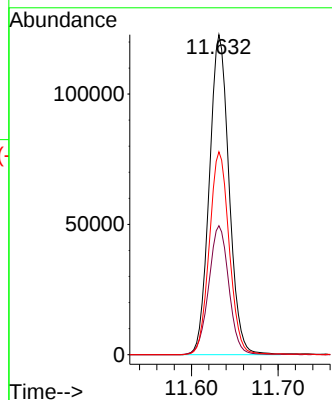
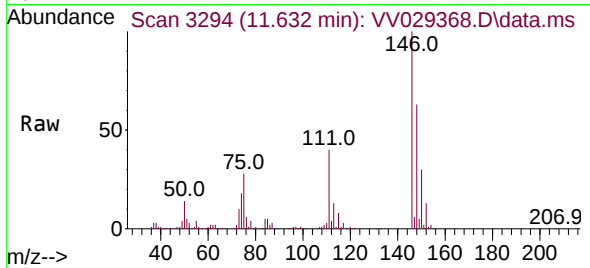




#67
1,2-Dichlorobenzene
Concen: 5.060 ug/L
RT: 11.632 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

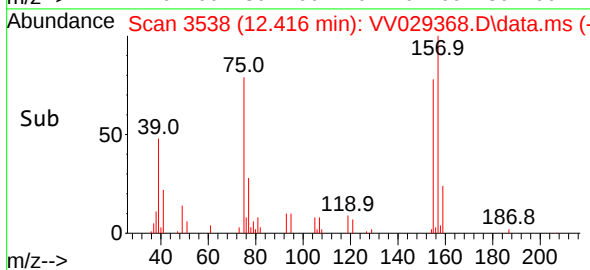
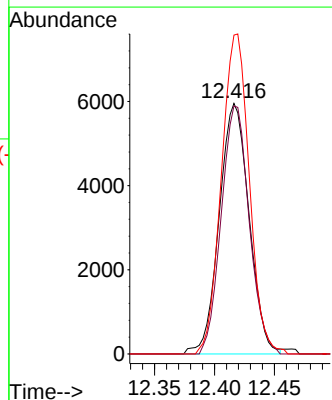
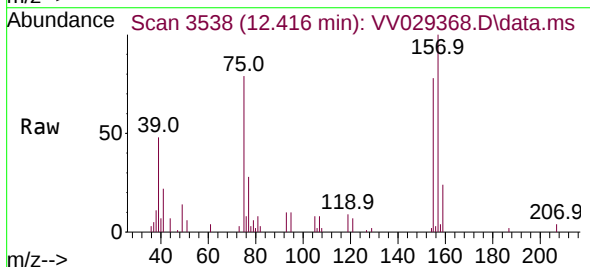
Instrument :
MSVOA_V
ClientSampleId :
VSTD005371

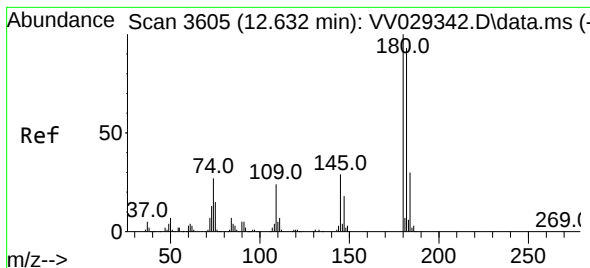
Tgt Ion:146 Resp: 194329
Ion Ratio Lower Upper
146 100
111 40.3 33.5 50.3
148 63.4 50.7 76.1



#68
1,2-Dibromo-3-chloropropane
Concen: 5.468 ug/L
RT: 12.416 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VV029368.D
Acq: 25 Nov 2022 20:41

Tgt Ion: 75 Resp: 10294
Ion Ratio Lower Upper
75 100
155 99.0 76.6 115.0
157 127.3 96.9 145.3





#69

1,3,5-Trichlorobenzene

Concen: 4.854 ug/L

RT: 12.632 min Scan# 3605

Delta R.T. 0.000 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005371

Tgt Ion:180 Resp: 166713

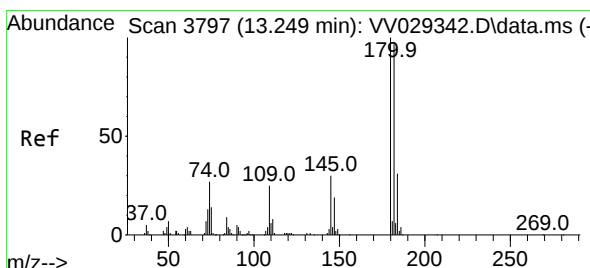
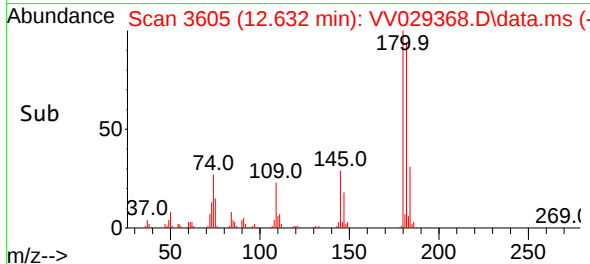
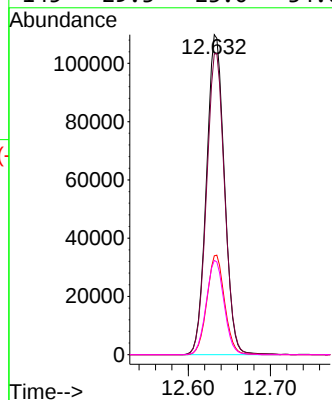
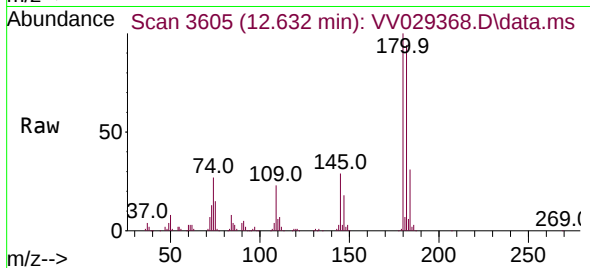
Ion Ratio Lower Upper

180 100

182 95.4 77.0 115.6

184 30.7 24.4 36.6

145 29.3 23.0 34.6



#70

1,2,4-trichlorobenzene

Concen: 4.836 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. 0.000 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

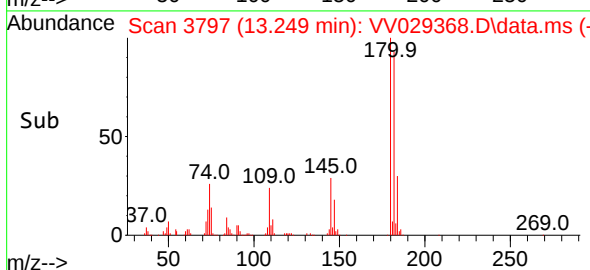
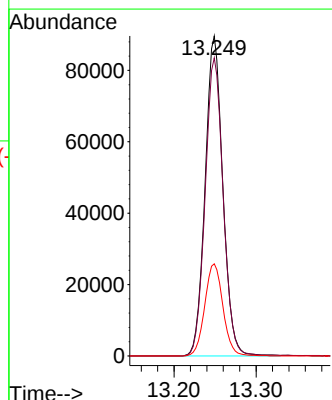
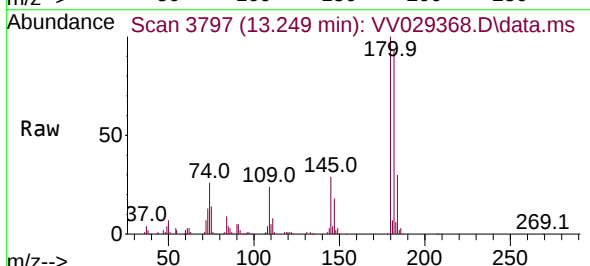
Tgt Ion:180 Resp: 134604

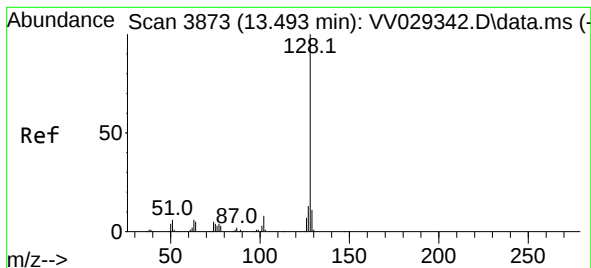
Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.4

145 29.6 23.4 35.0





#71

Naphthalene

Concen: 5.305 ug/L

RT: 13.493 min Scan# 3873

Delta R.T. 0.000 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005371

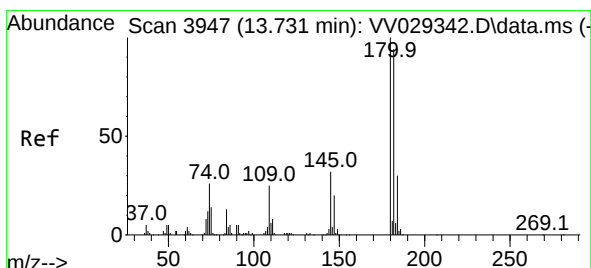
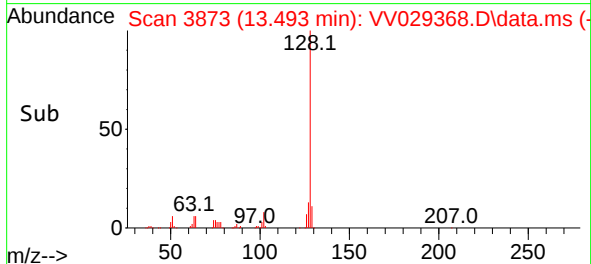
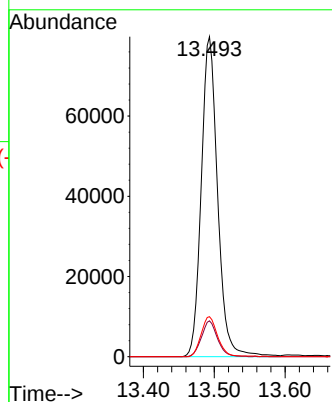
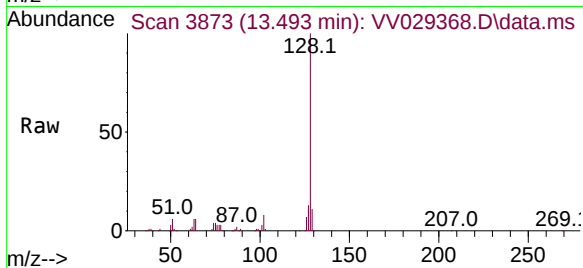
Tgt Ion:128 Resp: 127815

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

127 12.6 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 5.034 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. 0.000 min

Lab File: VV029368.D

Acq: 25 Nov 2022 20:41

Tgt Ion:180 Resp: 114056

Ion Ratio Lower Upper

180 100

182 95.9 75.0 112.4

145 31.2 25.2 37.8

