

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121222\
 Data File : VW029638.D
 Acq On : 13 Dec 2022 08:17
 Operator : SY/MD
 Sample : N5928-11MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ72MSD

Quant Time: Dec 13 08:37:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 13 04:57:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	493072	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	458569	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	257082	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	148913	49.319	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.640%
7) Chloroethane-d5	1.565	69	120174	52.196	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.400%
11) 1,1-Dichloroethene-d2	2.108	63	258629	54.918	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.840%
21) 2-Butanone-d5	3.870	46	182305	98.977	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.980%
24) Chloroform-d	4.339	84	259861	45.735	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.480%
26) 1,2-Dichloroethane-d4	5.024	65	147042	45.312	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.620%
32) Benzene-d6	5.043	84	549111	45.318	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.640%
36) 1,2-Dichloropropane-d6	6.063	67	161420	43.613	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.220%
41) Toluene-d8	7.307	98	509184	44.599	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.200%
43) trans-1,3-Dichloroprop...	7.613	79	71356	38.180	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.360%
47) 2-Hexanone-d5	8.082	63	153992	97.433	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.430%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	231947	43.855	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.700%
66) 1,2-Dichlorobenzene-d4	11.612	152	207779	42.457	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	176767	45.514	ug/L	100
3) Chloromethane	1.240	50	191760	43.305	ug/L	99
5) Vinyl chloride	1.311	62	188483	50.874	ug/L	99
6) Bromomethane	1.516	94	89517	60.048	ug/L	98
8) Chloroethane	1.581	64	112864	54.709	ug/L	98
9) Trichlorofluoromethane	1.751	101	241131	51.991	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	137342	53.292	ug/L	98
12) 1,1-Dichloroethene	2.118	96	145757	55.303	ug/L	97
13) Acetone	2.159	43	129880	108.243	ug/L	99
14) Carbon disulfide	2.291	76	407807	46.492	ug/L	100
15) Methyl Acetate	2.426	43	118812	43.461	ug/L	100
16) Methylene chloride	2.503	84	163446	49.877	ug/L	96
17) trans-1,2-Dichloroethene	2.754	96	153293	50.478	ug/L	97
18) Methyl tert-butyl Ether	2.764	73	485196	52.148	ug/L	99
19) 1,1-Dichloroethane	3.182	63	351529	67.570	ug/L	99
20) cis-1,2-Dichloroethene	3.902	96	224958	67.366	ug/L	96
22) 2-Butanone	3.954	43	213025	111.575	ug/L	96
23) Bromochloromethane	4.240	128	87395	50.825	ug/L	94
25) Chloroform	4.365	83	279115	51.750	ug/L	99

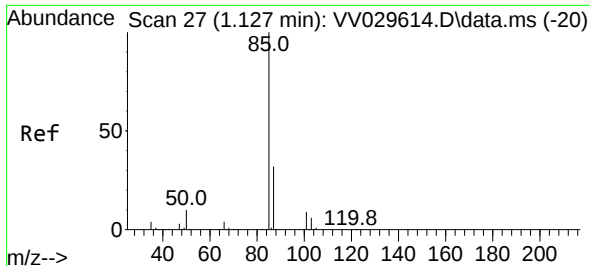
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 Quant Title : VOC Analysis
 QLast Update : Tue Dec 13 04:57:44 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.121	62	197394	51.809	ug/L	98
29) Cyclohexane	4.671	56	241587	48.633	ug/L	99
30) 1,1,1-Trichloroethane	4.600	97	432416	86.551	ug/L	99
31) Carbon tetrachloride	4.822	117	206501	47.332	ug/L	98
33) Benzene	5.092	78	636916	49.275	ug/L	100
34) Trichloroethene	5.905	95	166277	51.336	ug/L	99
35) Methylcyclohexane	6.124	83	264765	48.129	ug/L	99
37) 1,2-Dichloropropane	6.166	63	158067	50.667	ug/L	99
38) Bromodichloromethane	6.503	83	209401	48.622	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	214966	41.897	ug/L	99
40) 4-Methyl-2-pentanone	7.220	43	414901	111.542	ug/L	97
42) Toluene	7.381	91	681606	48.993	ug/L	99
44) trans-1,3-Dichloropropene	7.641	75	208037	42.815	ug/L	100
45) 1,1,2-Trichloroethane	7.831	97	159060	49.350	ug/L	98
46) Tetrachloroethene	7.966	164	144559	55.512	ug/L	99
48) 2-Hexanone	8.133	43	320453	112.763	ug/L	97
49) Dibromochloromethane	8.236	129	170953	48.041	ug/L	99
50) 1,2-Dibromoethane	8.342	107	159633	48.075	ug/L	97
51) Chlorobenzene	8.873	112	441913	50.162	ug/L	99
52) Ethylbenzene	9.005	91	728993	49.839	ug/L	100
53) m,p-Xylene	9.130	106	285515	49.319	ug/L	100
54) o-Xylene	9.535	106	285212	49.807	ug/L	98
55) Styrene	9.551	104	509612	51.210	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.230	83	262445	50.904	ug/L	99
59) Bromoform	9.719	173	128572	45.273	ug/L	99
60) Isopropylbenzene	9.921	105	738092	48.901	ug/L	99
61) 1,2,3-Trichloropropane	10.262	75	198772	50.091	ug/L	100
62) 1,3,5-Trimethylbenzene	10.529	105	643005	48.181	ug/L	100
63) 1,2,4-Trimethylbenzene	10.902	105	645766	48.815	ug/L	99
64) 1,3-Dichlorobenzene	11.169	146	363023	49.190	ug/L	100
65) 1,4-Dichlorobenzene	11.262	146	367644	49.017	ug/L	99
67) 1,2-Dichlorobenzene	11.632	146	367989	48.761	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.416	75	56702	45.974	ug/L	100
69) 1,3,5-Trichlorobenzene	12.632	180	277309	47.217	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	251393	48.136	ug/L	100
71) Naphthalene	13.490	128	669657	56.529	ug/L	100
72) 1,2,3-Trichlorobenzene	13.728	180	255501	49.948	ug/L	100

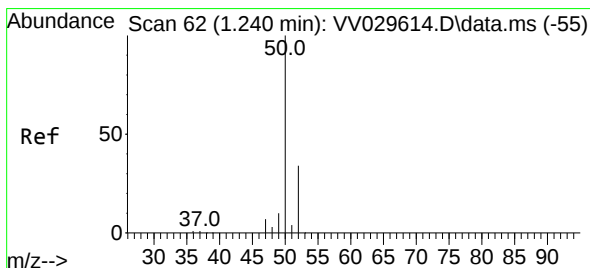
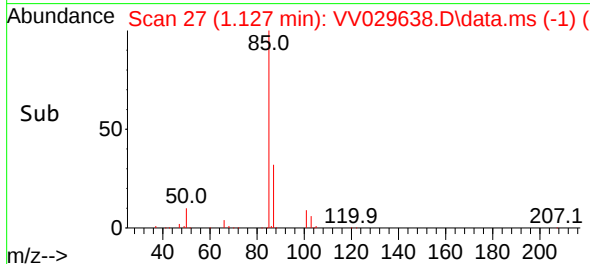
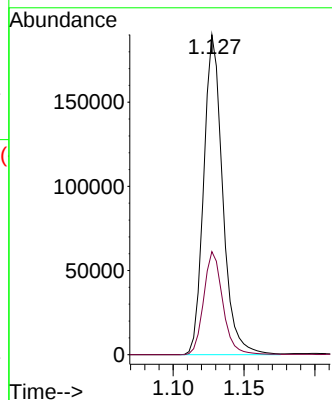
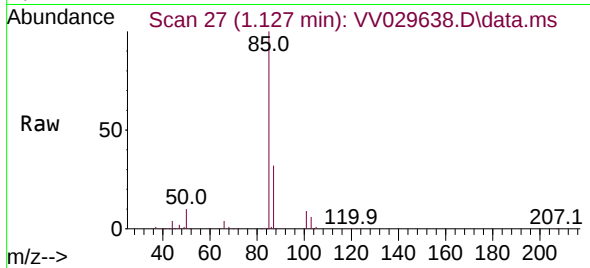
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#2
 Dichlorodifluoromethane
 Concen: 45.514 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV029638.D
 Acq: 13 Dec 2022 08:17

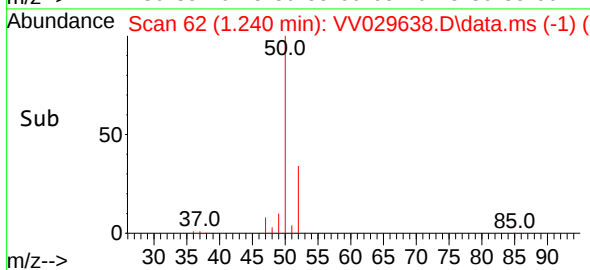
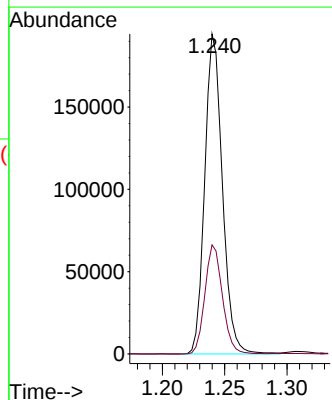
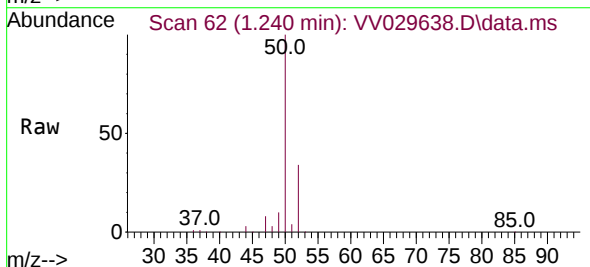
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ72MSD

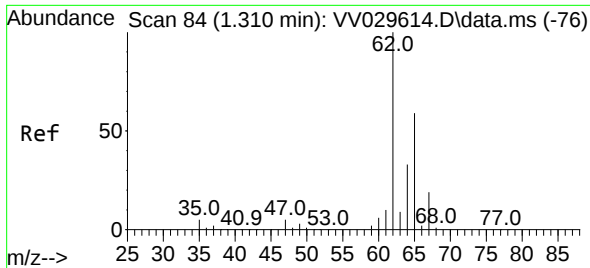
Tgt Ion: 85 Resp: 176767
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.9 38.9



#3
 Chloromethane
 Concen: 43.305 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV029638.D
 Acq: 13 Dec 2022 08:17

Tgt Ion: 50 Resp: 191760
 Ion Ratio Lower Upper
 50 100
 52 34.1 23.3 43.3

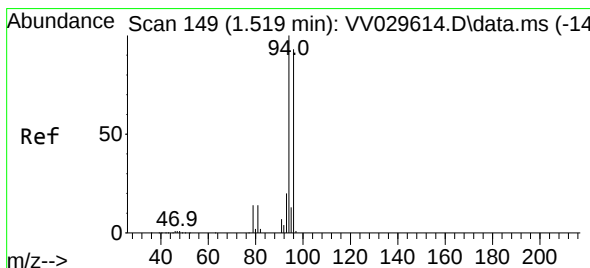
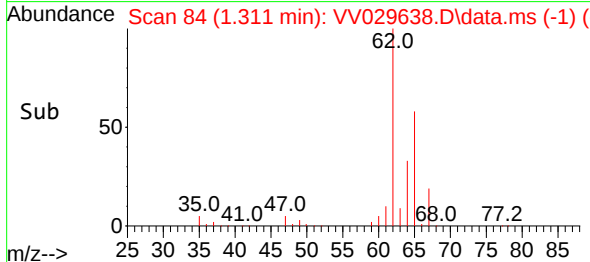
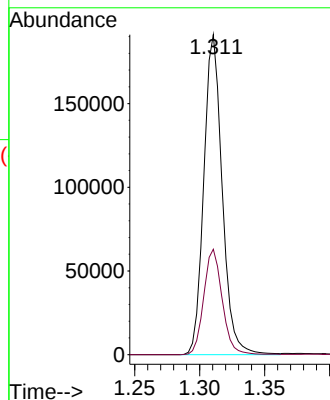
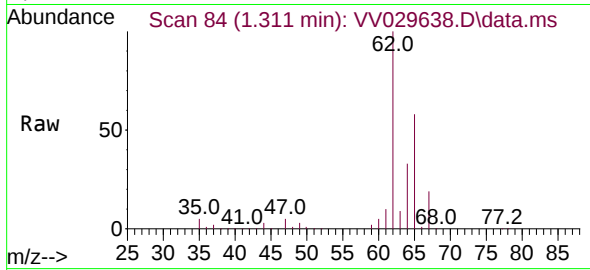




#5
 Vinyl chloride
 Concen: 50.874 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV029638.D
 Acq: 13 Dec 2022 08:17

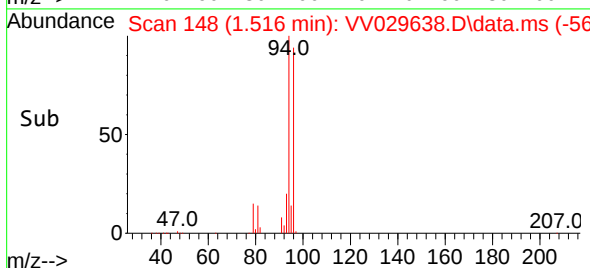
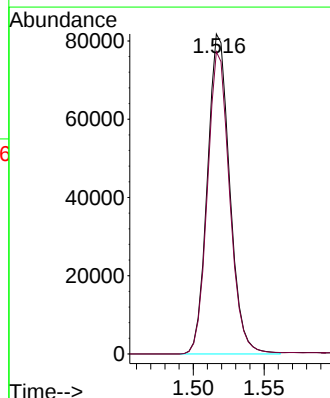
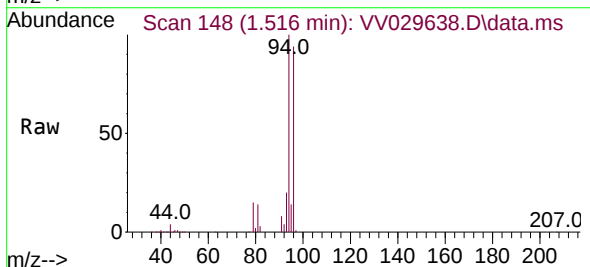
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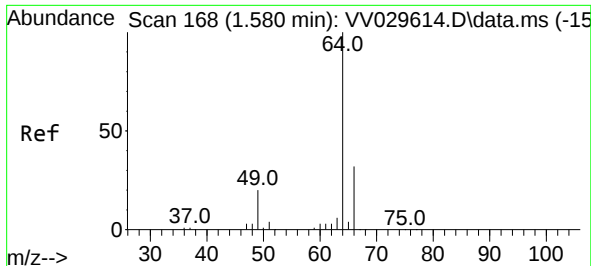
Tgt Ion: 62 Resp: 188483
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.5 41.9



#6
 Bromomethane
 Concen: 60.048 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. -0.003 min
 Lab File: VV029638.D
 Acq: 13 Dec 2022 08:17

Tgt Ion: 94 Resp: 89517
 Ion Ratio Lower Upper
 94 100
 96 94.5 65.1 120.9





#8

Chloroethane

Concen: 54.709 ug/L

RT: 1.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

Instrument :

MSVOA_V

ClientSampleId :

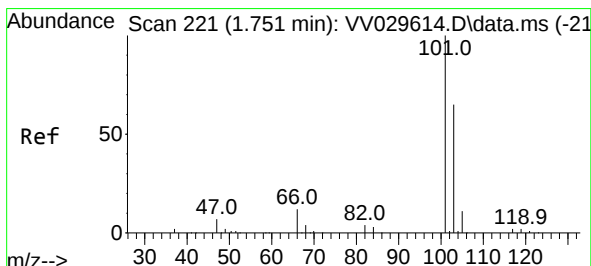
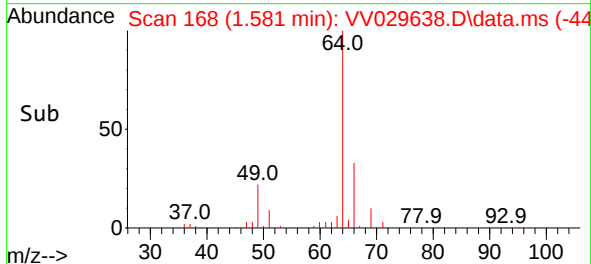
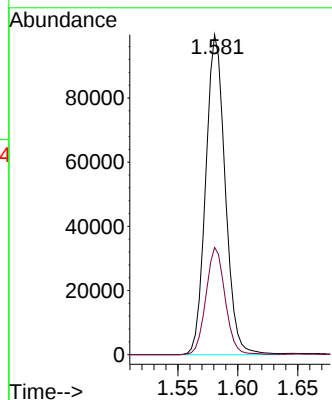
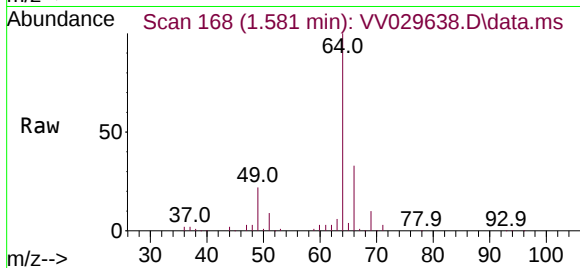
EXZ72MSD

Tgt Ion: 64 Resp: 112864

Ion Ratio Lower Upper

64 100

66 33.5 22.5 41.9



#9

Trichlorofluoromethane

Concen: 51.991 ug/L

RT: 1.751 min Scan# 221

Delta R.T. 0.000 min

Lab File: VV029638.D

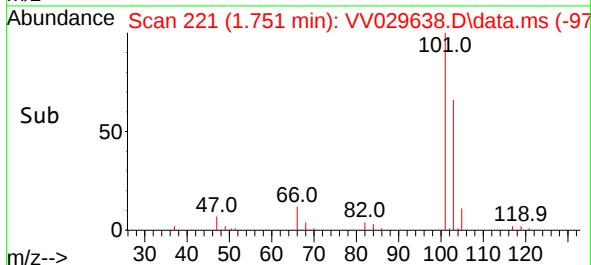
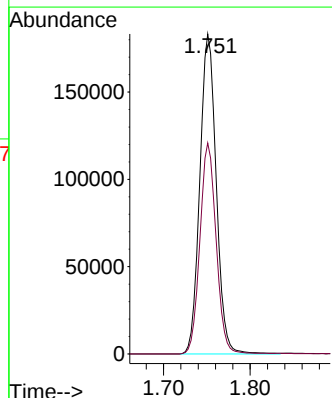
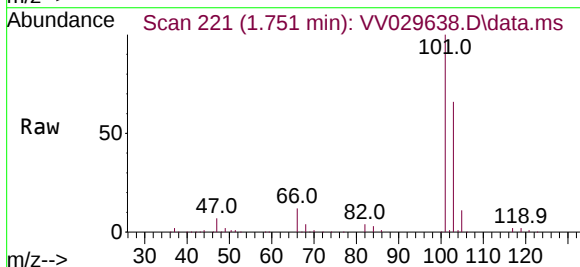
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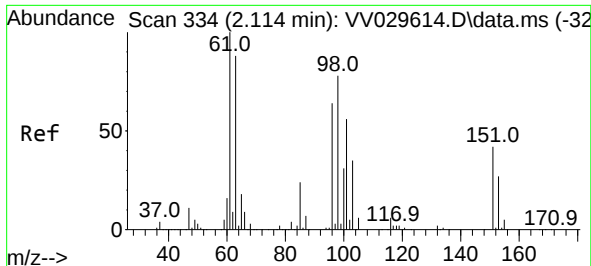
Tgt Ion:101 Resp: 241131

Ion Ratio Lower Upper

101 100

103 65.0 51.8 77.8





#10

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

Concen: 53.292 ug/L

RT: 2.114 min Scan# 334

Delta R.T. 0.000 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

Instrument :

MSVOA_V

ClientSampleId :

EXZ72MSD

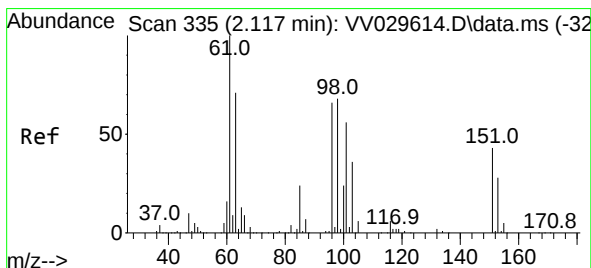
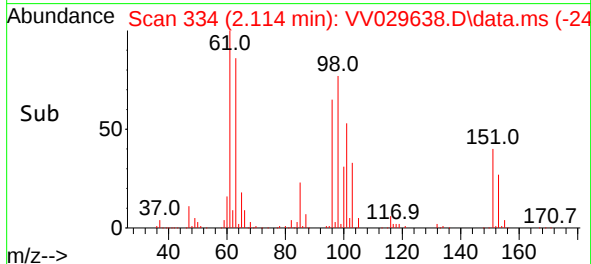
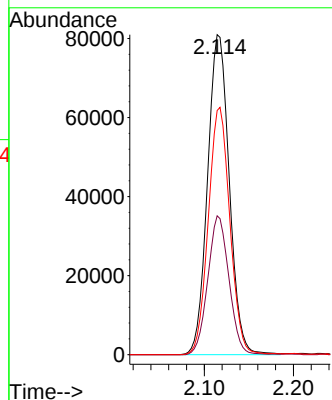
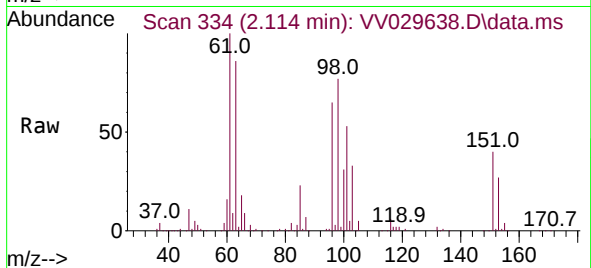
Tgt Ion:101 Resp: 137342

Ion Ratio Lower Upper

101 100

85 42.2 33.6 50.4

151 76.8 63.5 95.3



#12

1,1-Dichloroethene

Concen: 55.303 ug/L

RT: 2.118 min Scan# 335

Delta R.T. 0.000 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

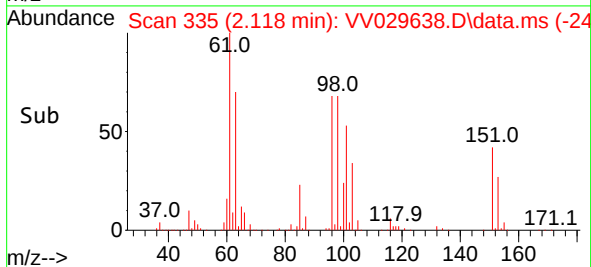
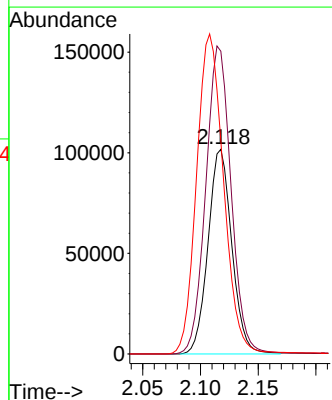
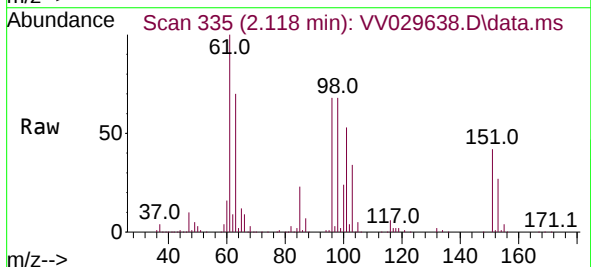
Tgt Ion: 96 Resp: 145757

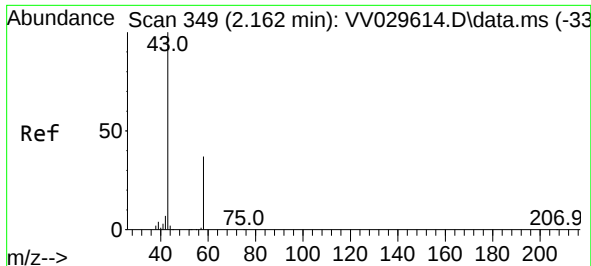
Ion Ratio Lower Upper

96 100

61 147.9 103.3 191.9

63 104.1 77.3 143.7

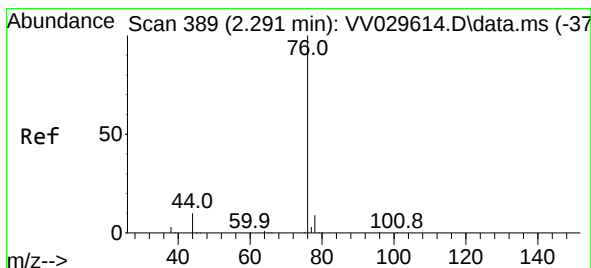
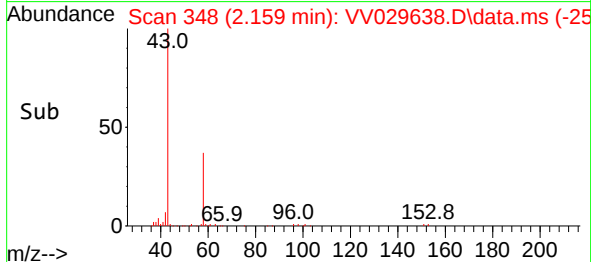
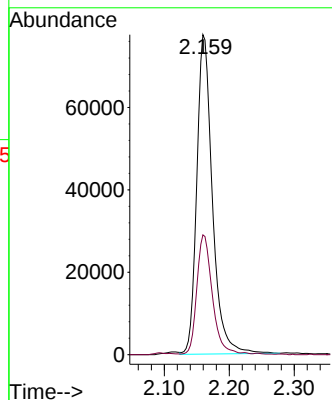
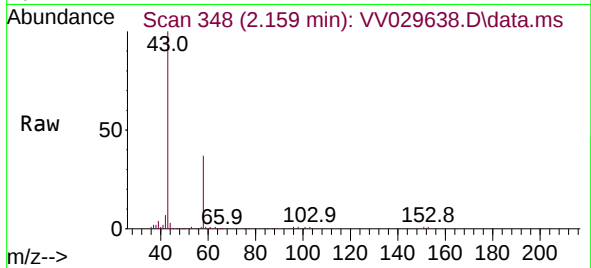




#13
Acetone
Concen: 108.243 ug/L
RT: 2.159 min Scan# 34
Delta R.T. -0.003 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

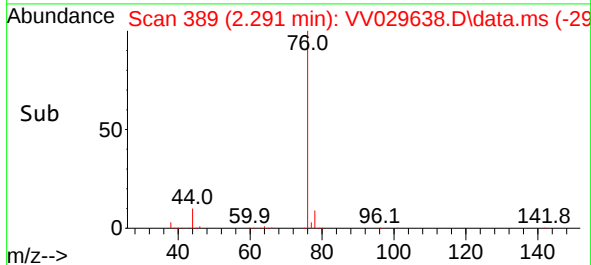
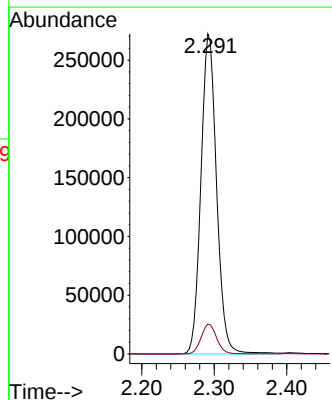
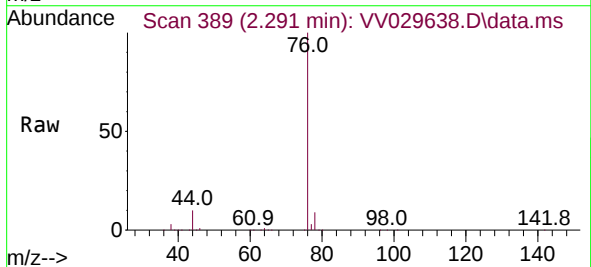
Instrument :
MSVOA_V
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EXZ72MSD

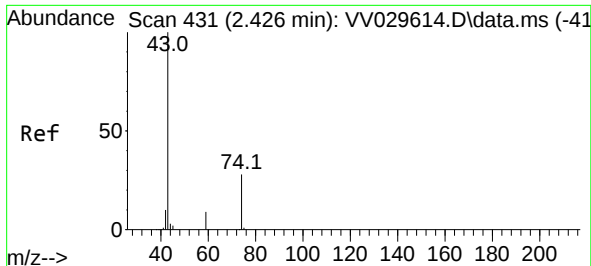
Tgt Ion: 43 Resp: 129880
Ion Ratio Lower Upper
43 100
58 36.8 0.0 74.8



#14
Carbon disulfide
Concen: 46.492 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

Tgt Ion: 76 Resp: 407807
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

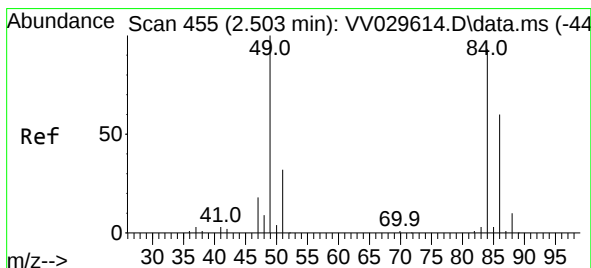
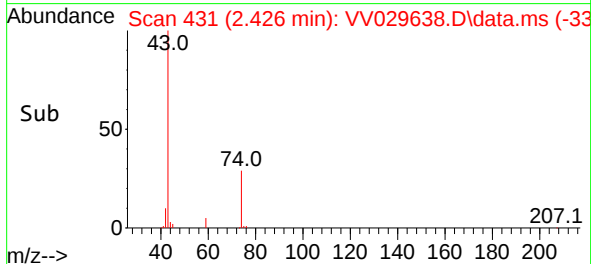
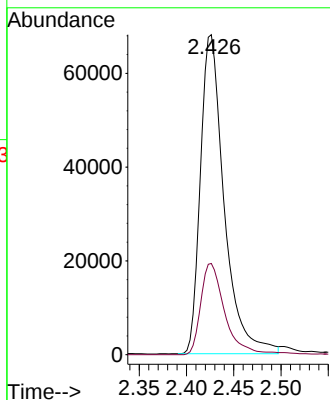
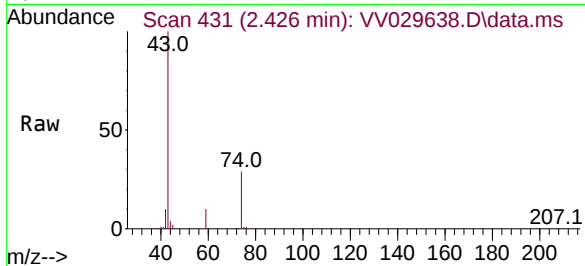




#15
Methyl Acetate
Concen: 43.461 ug/L
RT: 2.426 min Scan# 431
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

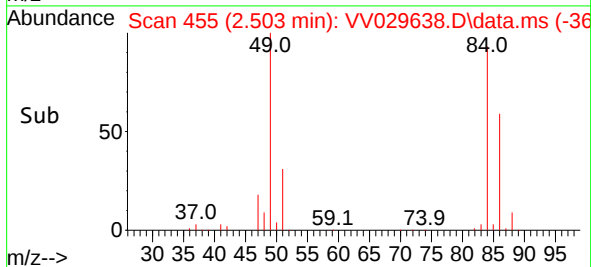
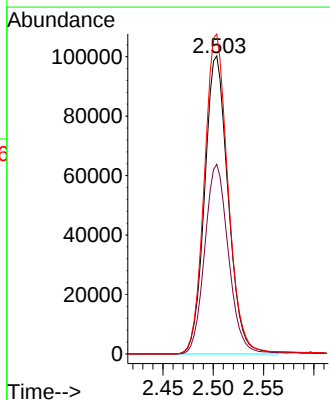
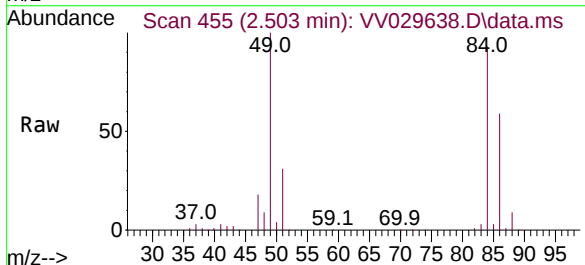
Instrument :
MSVOA_V
ClientSampleId :
EXZ72MSD

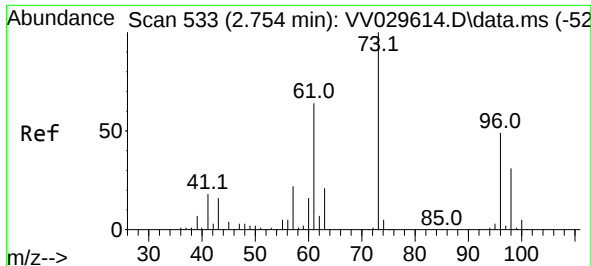
Tgt Ion: 43 Resp: 118812
Ion Ratio Lower Upper
43 100
74 29.2 23.5 35.3



#16
Methylene chloride
Concen: 49.877 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

Tgt Ion: 84 Resp: 163446
Ion Ratio Lower Upper
84 100
86 63.6 46.0 85.4
49 107.4 72.2 134.0

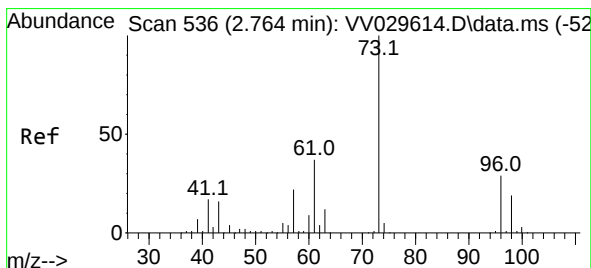
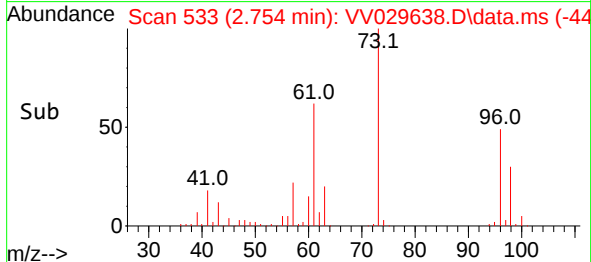
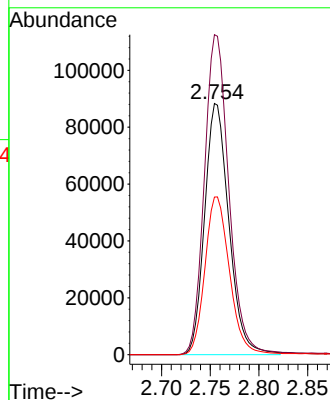
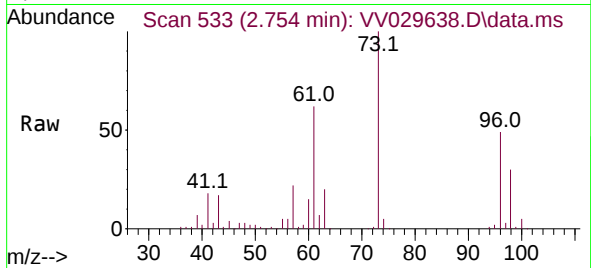




#17
trans-1,2-Dichloroethene
Concen: 50.478 ug/L
RT: 2.754 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

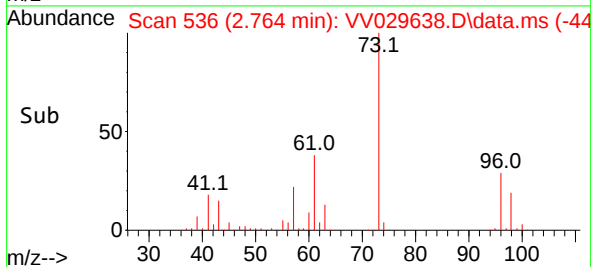
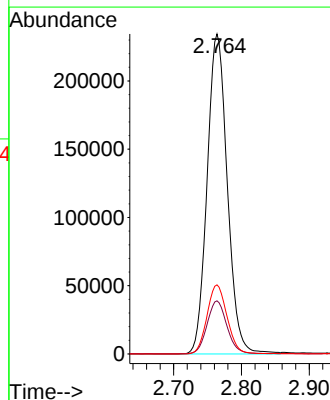
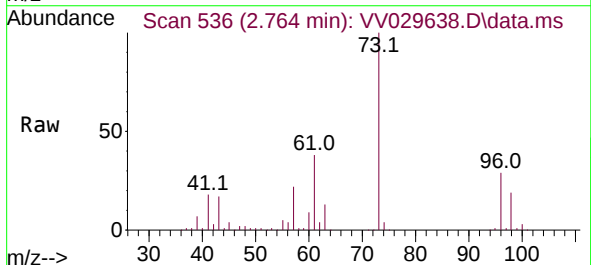
Instrument :
MSVOA_V
ClientSampleId :
EXZ72MSD

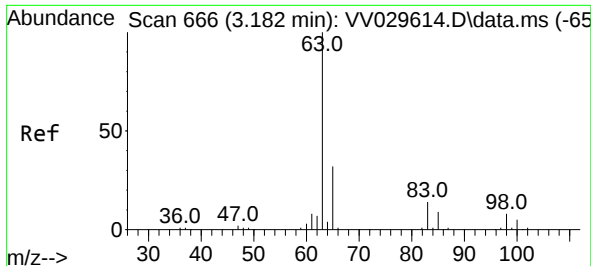
Tgt Ion: 96 Resp: 153293
Ion Ratio Lower Upper
96 100
61 127.4 86.4 160.4
98 62.8 43.4 80.6



#18
Methyl tert-butyl Ether
Concen: 52.148 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

Tgt Ion: 73 Resp: 485196
Ion Ratio Lower Upper
73 100
43 16.3 12.7 19.1
57 21.4 16.7 25.1

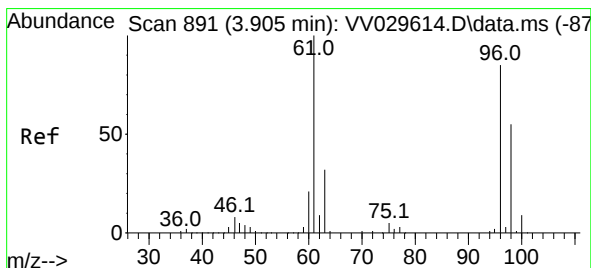
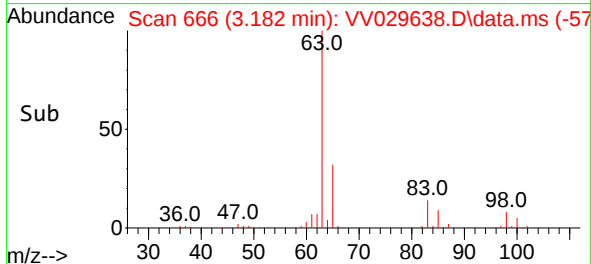
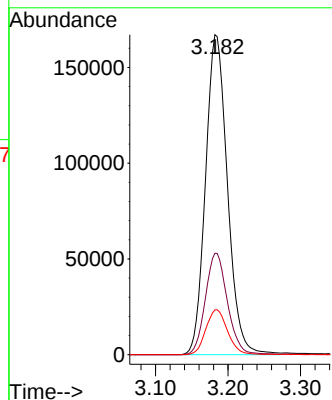
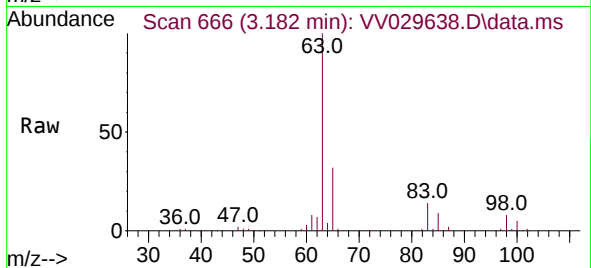




#19
1,1-Dichloroethane
Concen: 67.570 ug/L
RT: 3.182 min Scan# 666
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

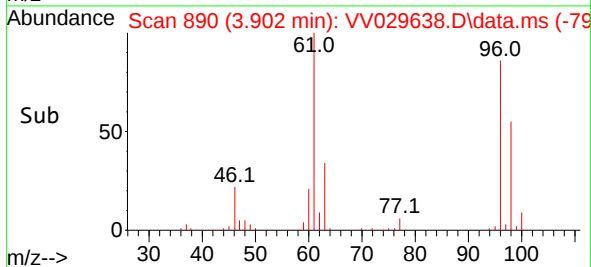
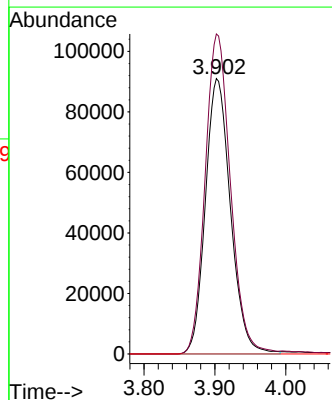
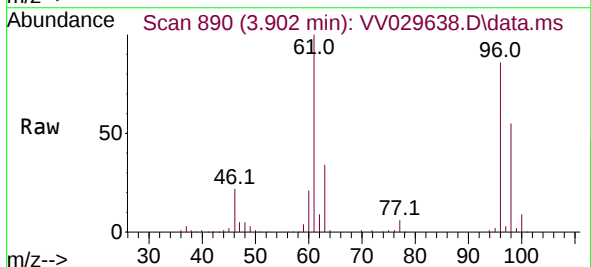
Instrument :
MSVOA_V
ClientSampleId :
EXZ72MSD

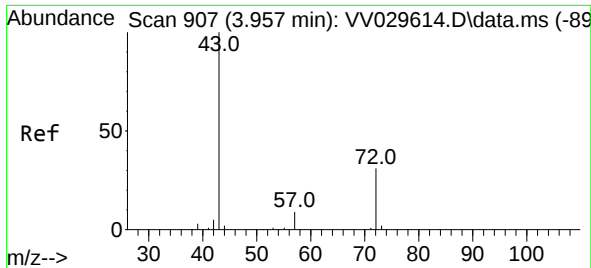
Tgt Ion: 63 Resp: 351529
Ion Ratio Lower Upper
63 100
65 31.7 22.5 41.7
83 14.0 10.4 19.2



#20
cis-1,2-Dichloroethene
Concen: 67.366 ug/L
RT: 3.902 min Scan# 890
Delta R.T. -0.003 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

Tgt Ion: 96 Resp: 224958
Ion Ratio Lower Upper
96 100
61 116.2 78.0 144.9
68 0.0 0.0 0.0

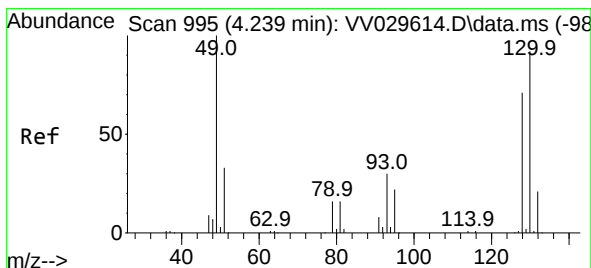
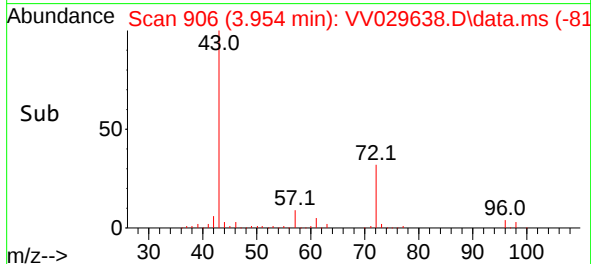
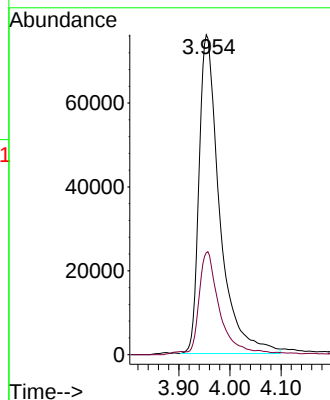
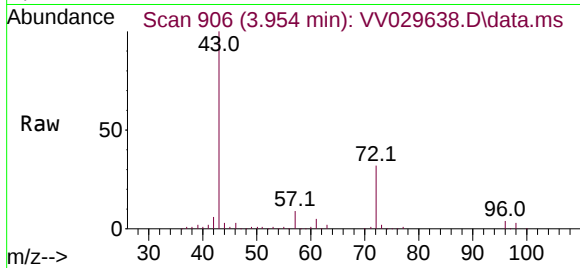




#22
2-Butanone
Concen: 111.575 ug/L
RT: 3.954 min Scan# 907
Delta R.T. -0.003 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

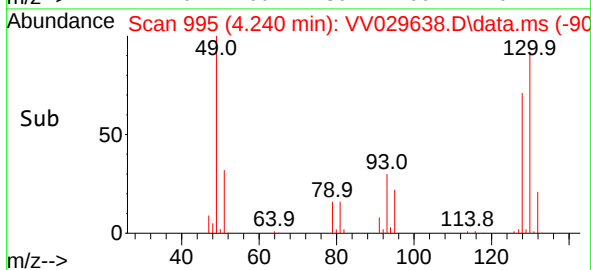
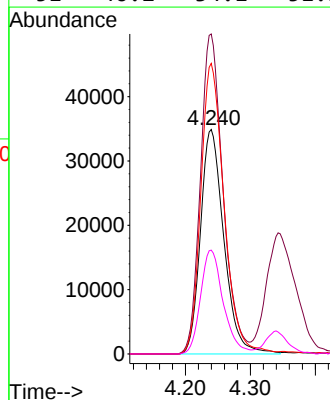
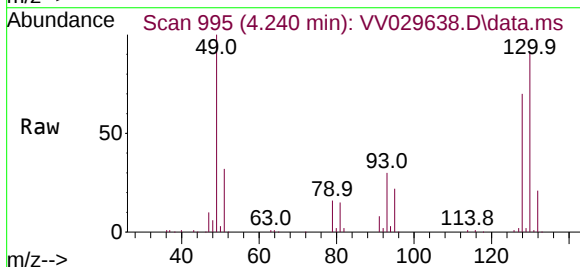
Instrument :
MSVOA_V
ClientSampleId :
EXZ72MSD

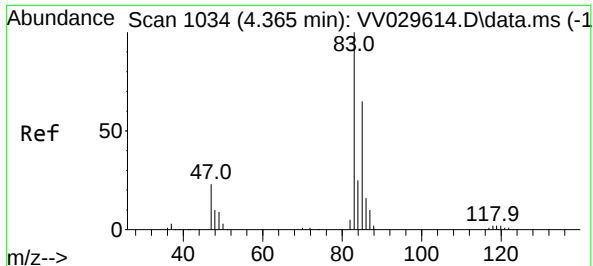
Tgt Ion: 43 Resp: 213025
Ion Ratio Lower Upper
43 100
72 29.6 15.9 47.6



#23
Bromochloromethane
Concen: 50.825 ug/L
RT: 4.240 min Scan# 995
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

Tgt Ion:128 Resp: 87395
Ion Ratio Lower Upper
128 100
49 142.5 92.2 171.2
130 129.4 88.3 164.1
51 46.2 34.1 51.1





#25

Chloroform

Concen: 51.750 ug/L

RT: 4.365 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

Instrument :

MSVOA_V

ClientSampleId :

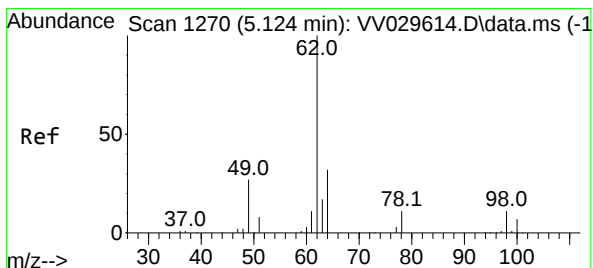
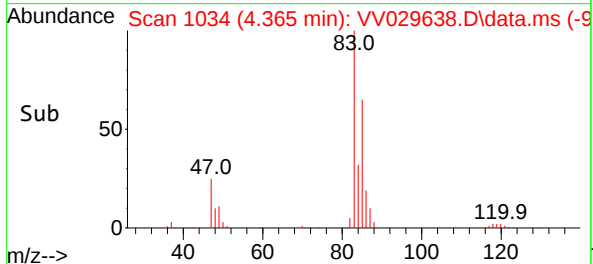
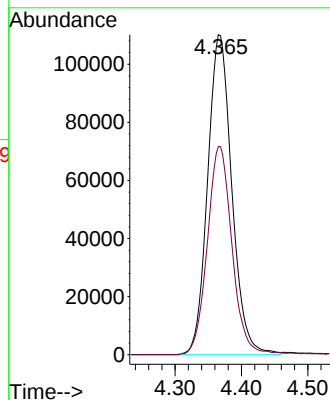
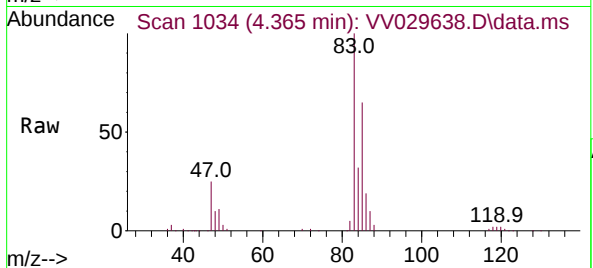
EXZ72MSD

Tgt Ion: 83 Resp: 279115

Ion Ratio Lower Upper

83 100

85 65.0 45.1 83.9



#27

1,2-Dichloroethane

Concen: 51.809 ug/L

RT: 5.121 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VV029638.D

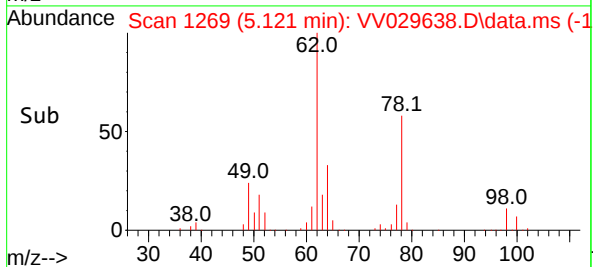
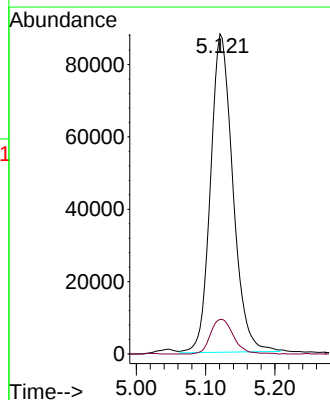
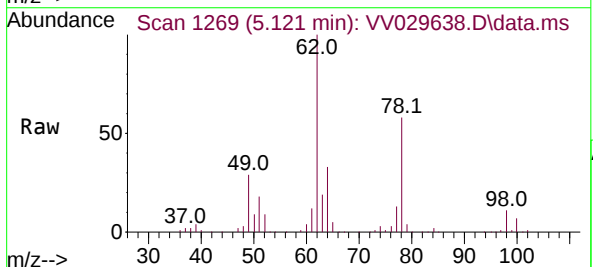
Acq: 13 Dec 2022 08:17

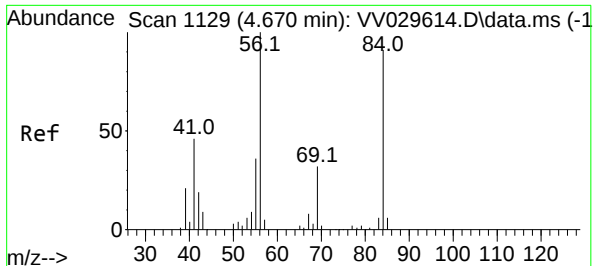
Tgt Ion: 62 Resp: 197394

Ion Ratio Lower Upper

62 100

98 10.7 9.4 14.0





#29

Cyclohexane

Concen: 48.633 ug/L

RT: 4.671 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

Instrument :

MSVOA_V

ClientSampleId :

EXZ72MSD

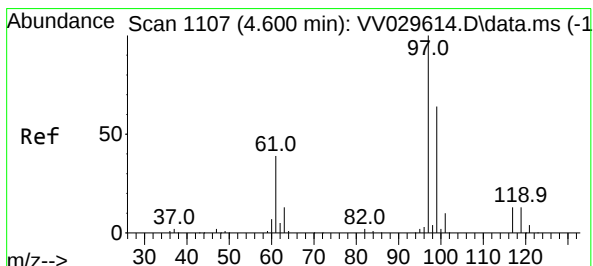
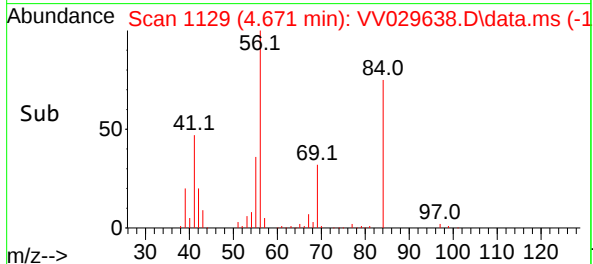
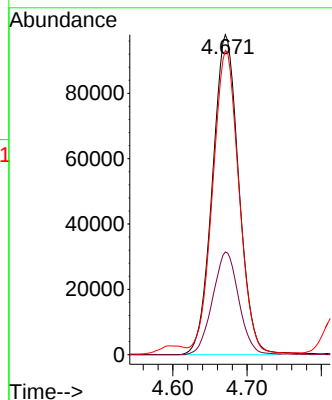
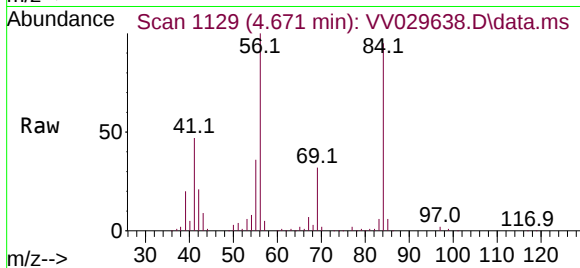
Tgt Ion: 56 Resp: 241587

Ion Ratio Lower Upper

56 100

69 31.9 25.8 38.8

84 94.2 76.6 114.8



#30

1,1,1-Trichloroethane

Concen: 86.551 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

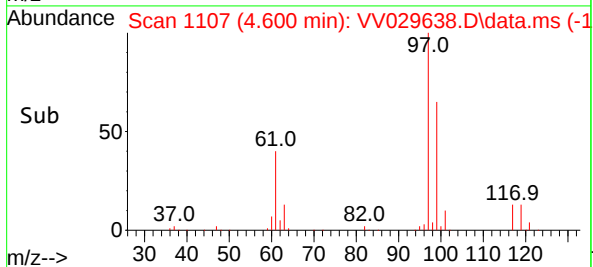
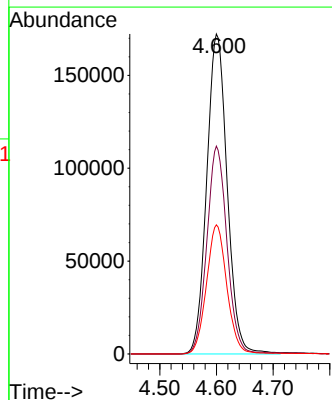
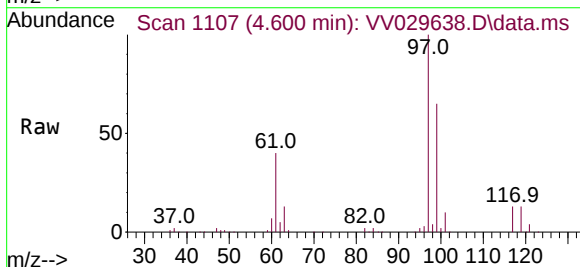
Tgt Ion: 97 Resp: 432416

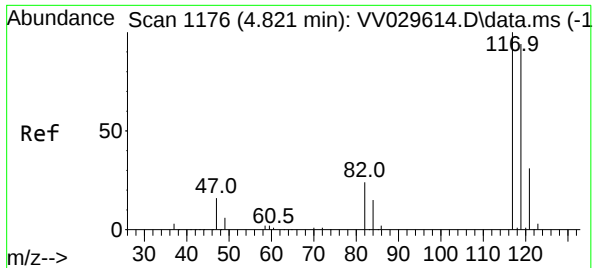
Ion Ratio Lower Upper

97 100

99 63.6 52.1 78.1

61 40.2 31.8 47.8

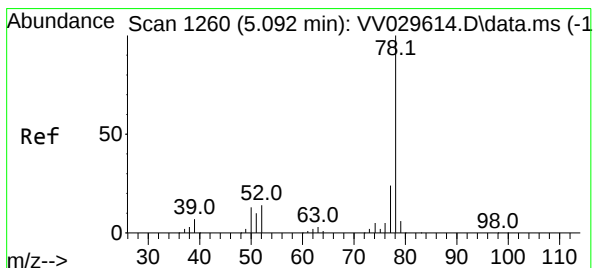
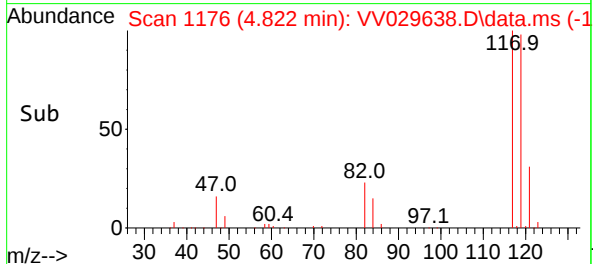
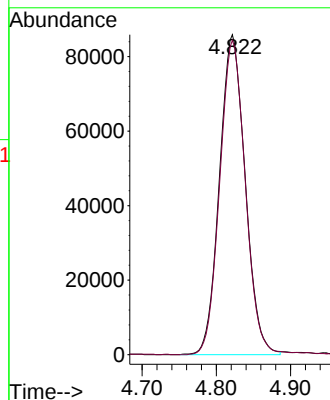
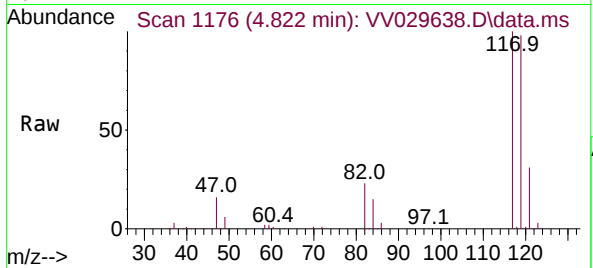




#31
Carbon tetrachloride
Concen: 47.332 ug/L
RT: 4.822 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

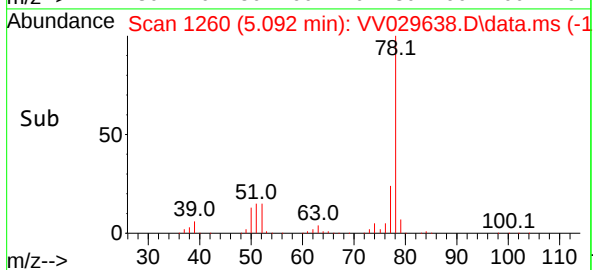
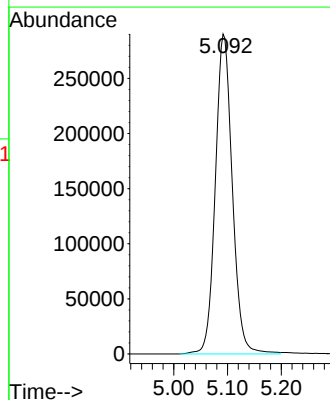
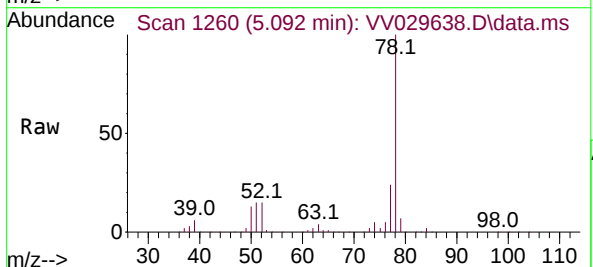
Instrument :
MSVOA_V
ClientSampleId :
EXZ72MSD

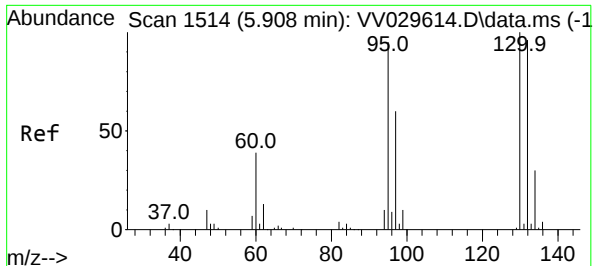
Tgt Ion:117 Resp: 206501
Ion Ratio Lower Upper
117 100
119 97.7 76.7 115.1



#33
Benzene
Concen: 49.275 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

Tgt Ion: 78 Resp: 636916

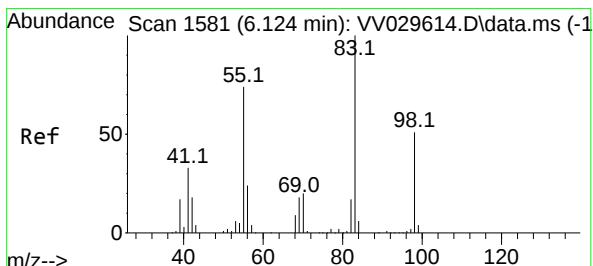
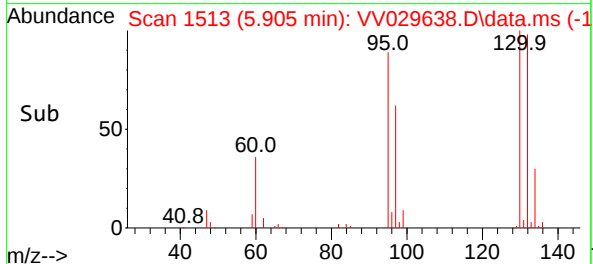
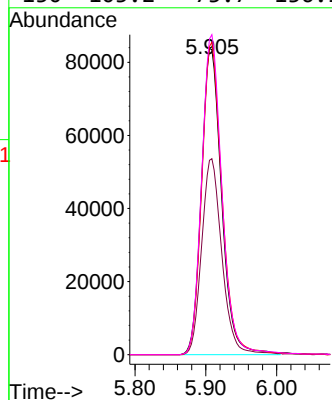
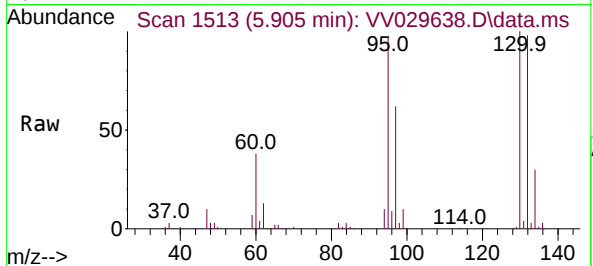




#34
Trichloroethene
Concen: 51.336 ug/L
RT: 5.905 min Scan# 1514
Delta R.T. -0.003 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

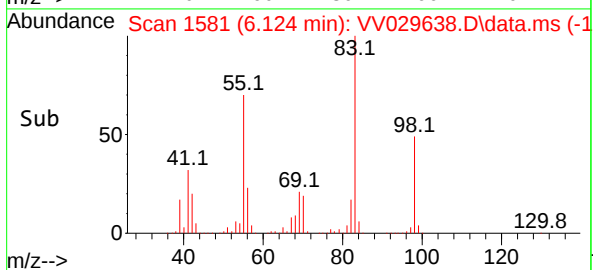
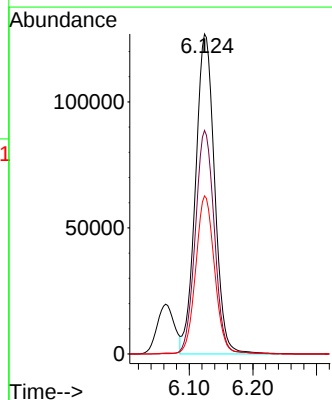
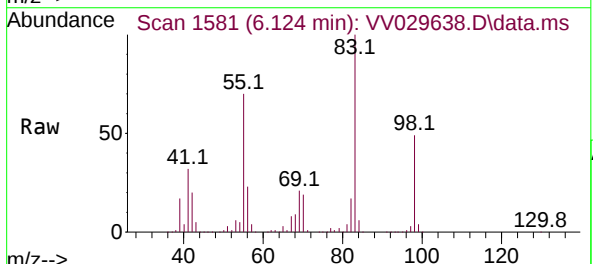
Instrument :
MSVOA_V
ClientSampleId :
EXZ72MSD

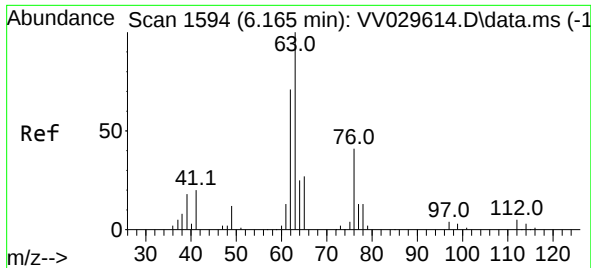
Tgt Ion: 95 Resp: 166277
Ion Ratio Lower Upper
95 100
97 63.5 44.0 81.8
132 100.8 69.9 129.9
130 103.2 73.7 136.9



#35
Methylcyclohexane
Concen: 48.129 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

Tgt Ion: 83 Resp: 264765
Ion Ratio Lower Upper
83 100
55 69.5 55.5 83.3
98 48.2 39.8 59.8

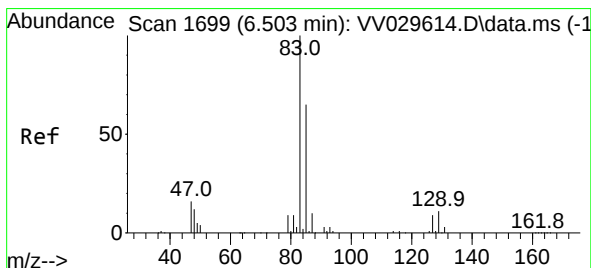
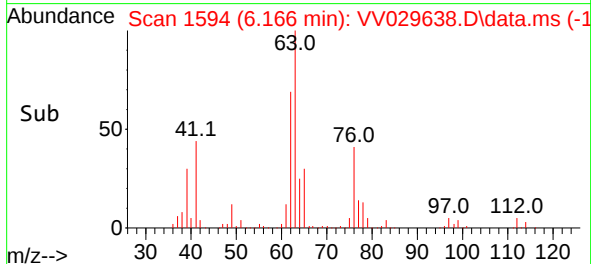
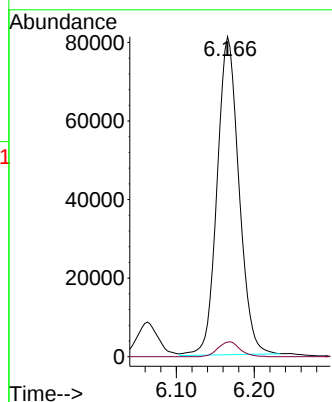
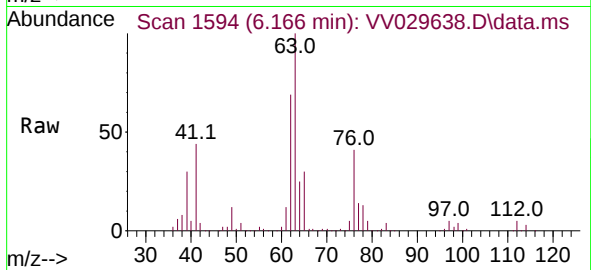




#37
1,2-Dichloropropane
Concen: 50.667 ug/L
RT: 6.166 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

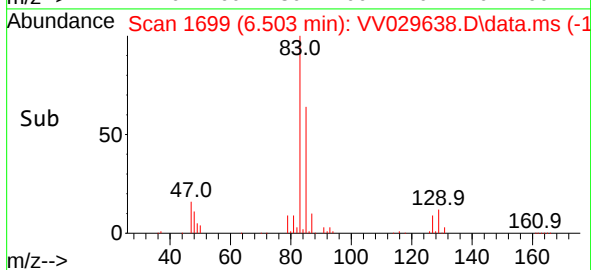
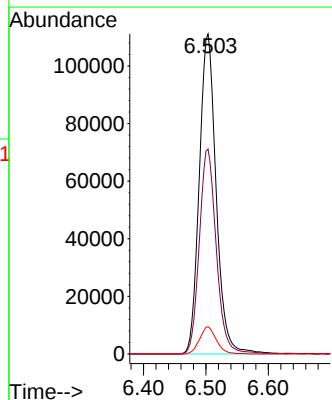
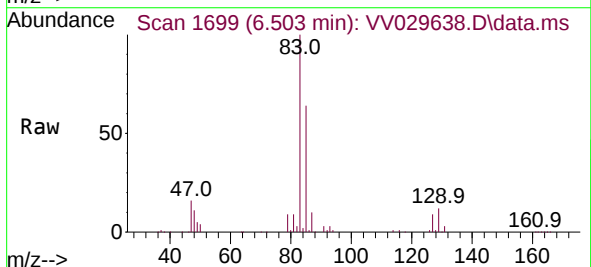
Instrument :
MSVOA_V
ClientSampleId :
EXZ72MSD

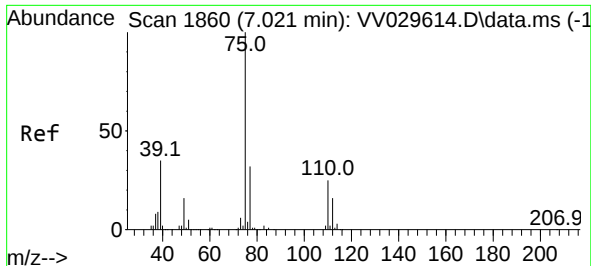
Tgt Ion: 63 Resp: 158067
Ion Ratio Lower Upper
63 100
112 4.7 3.9 5.9



#38
Bromodichloromethane
Concen: 48.622 ug/L
RT: 6.503 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

Tgt Ion: 83 Resp: 209401
Ion Ratio Lower Upper
83 100
85 64.0 45.3 84.1
127 8.5 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 41.897 ug/L

RT: 7.021 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

Instrument :

MSVOA_V

ClientSampleId :

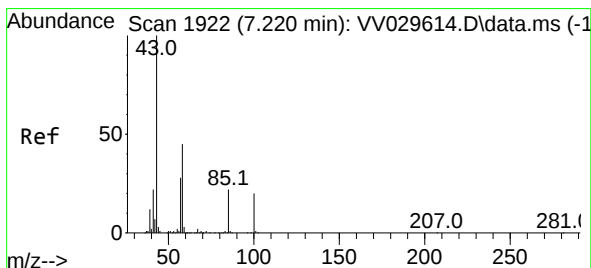
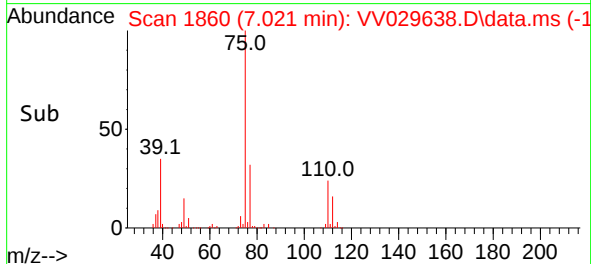
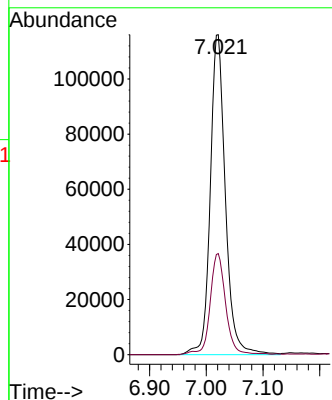
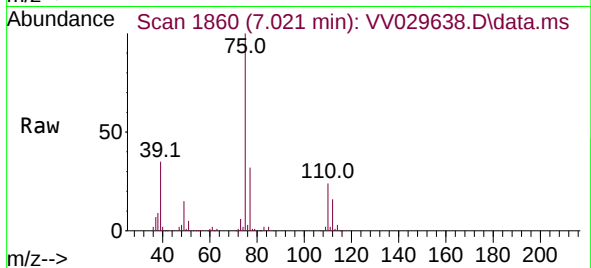
EXZ72MSD

Tgt Ion: 75 Resp: 214966

Ion Ratio Lower Upper

75 100

77 31.6 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 111.542 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. 0.000 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

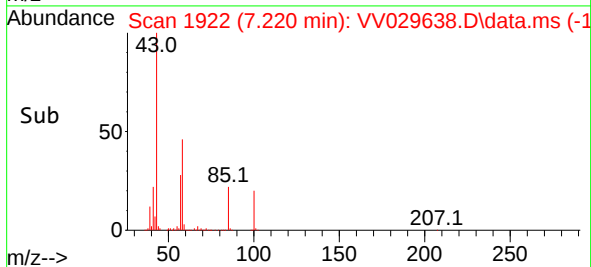
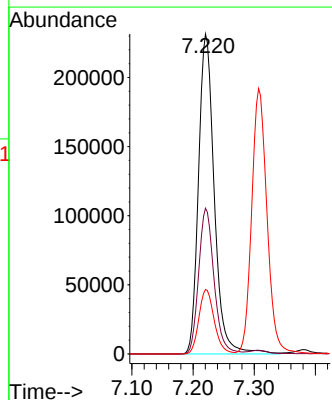
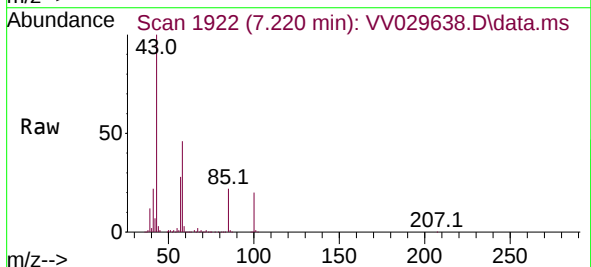
Tgt Ion: 43 Resp: 414901

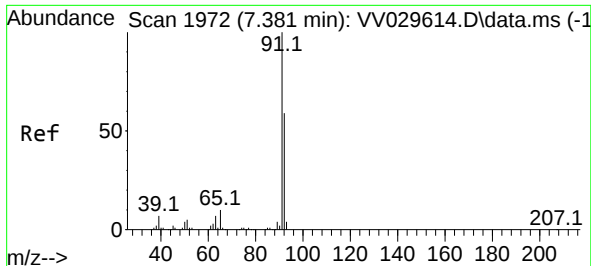
Ion Ratio Lower Upper

43 100

58 44.5 37.5 56.3

100 19.6 16.7 25.1

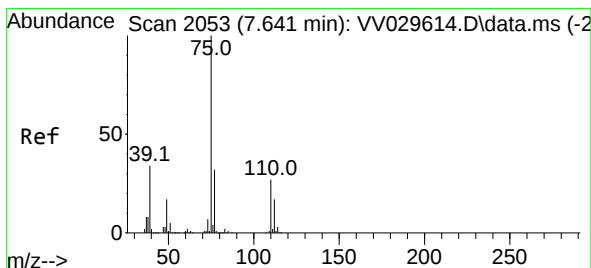
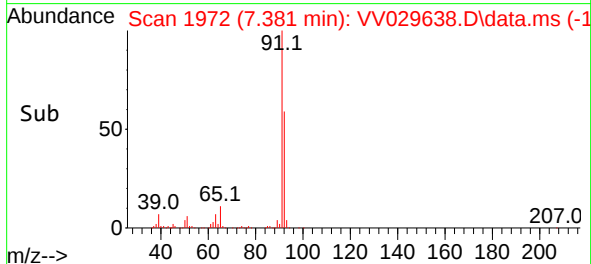
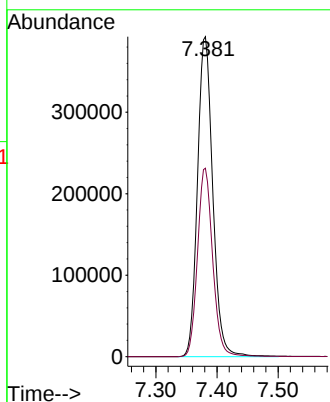
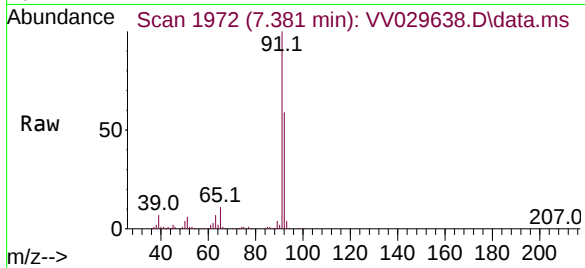




#42
Toluene
Concen: 48.993 ug/L
RT: 7.381 min Scan# 1972
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

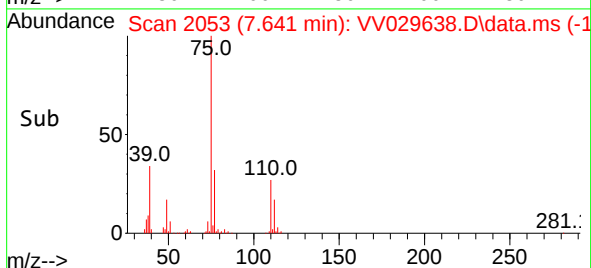
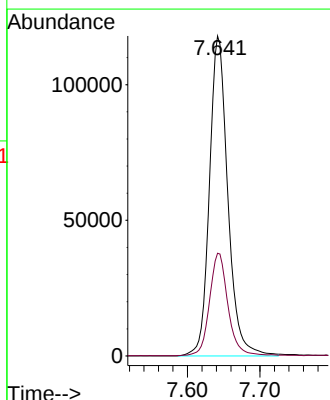
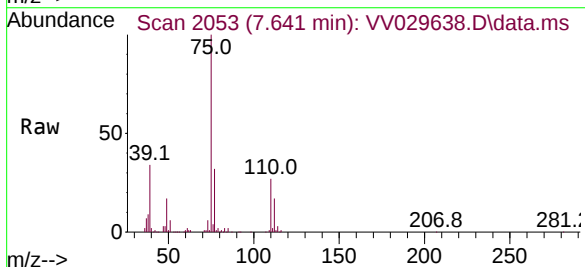
Instrument :
MSVOA_V
ClientSampleId :
EXZ72MSD

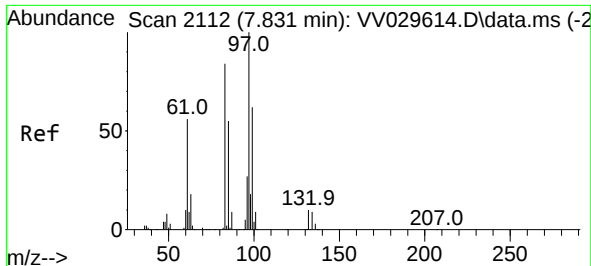
Tgt Ion: 91 Resp: 681606
Ion Ratio Lower Upper
91 100
92 58.9 40.6 75.4



#44
trans-1,3-Dichloropropene
Concen: 42.815 ug/L
RT: 7.641 min Scan# 2053
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

Tgt Ion: 75 Resp: 208037
Ion Ratio Lower Upper
75 100
77 32.1 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 49.350 ug/L

RT: 7.831 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

Instrument :

MSVOA_V

ClientSampleId :

EXZ72MSD

Tgt Ion: 97 Resp: 159060

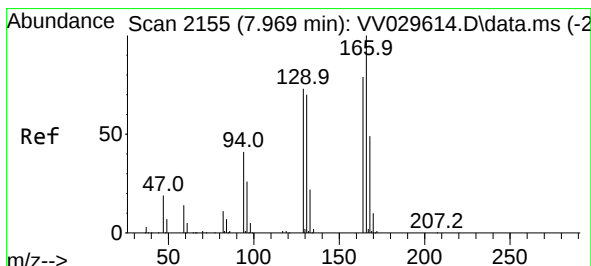
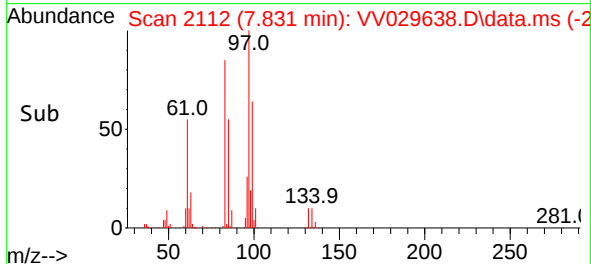
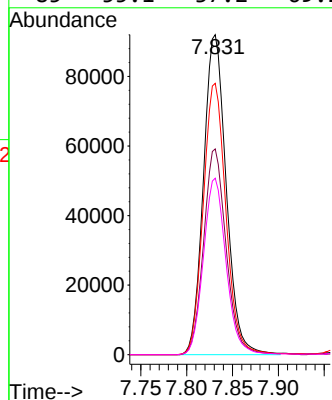
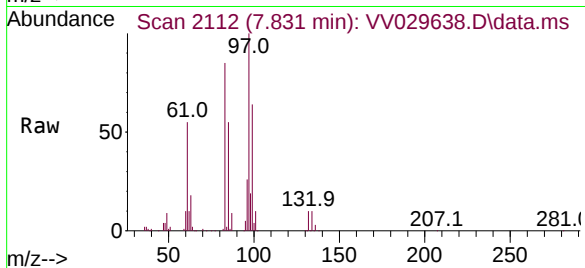
Ion Ratio Lower Upper

97 100

99 64.3 43.8 81.3

83 84.8 58.6 108.8

85 55.1 37.2 69.2



#46

Tetrachloroethene

Concen: 55.512 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. -0.003 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

Tgt Ion:164 Resp: 144559

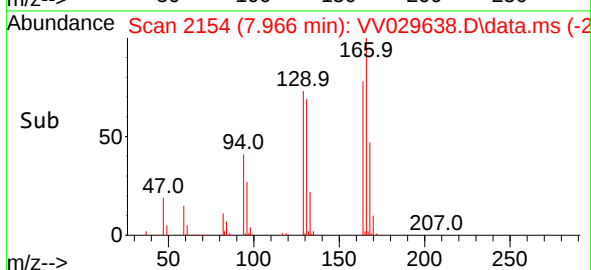
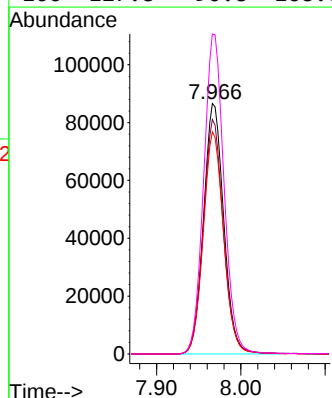
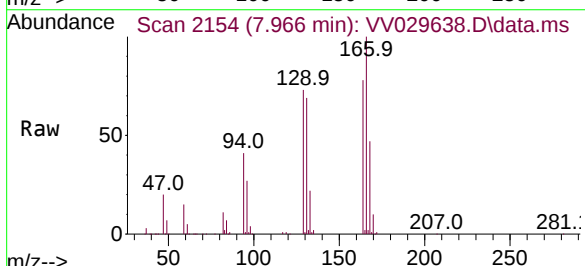
Ion Ratio Lower Upper

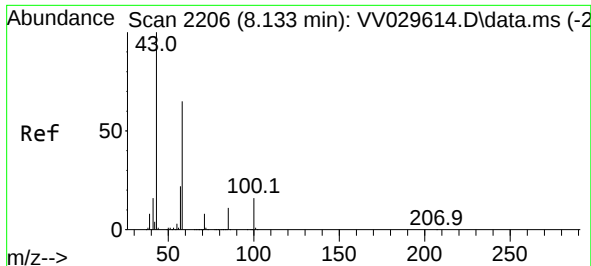
164 100

129 93.6 65.3 121.3

131 88.7 63.1 117.1

166 127.8 90.8 168.6

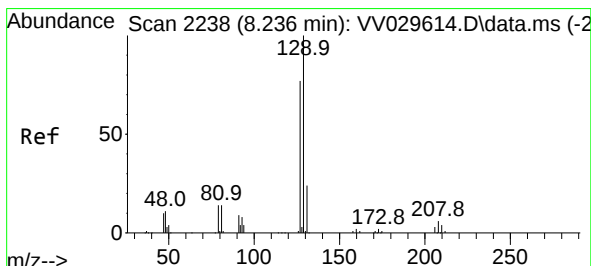
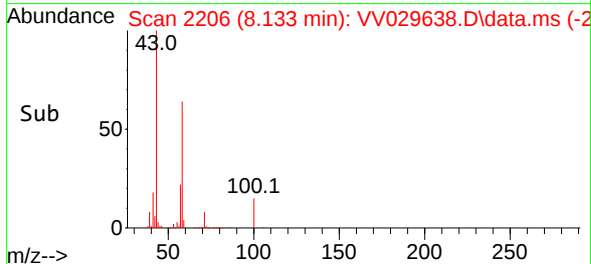
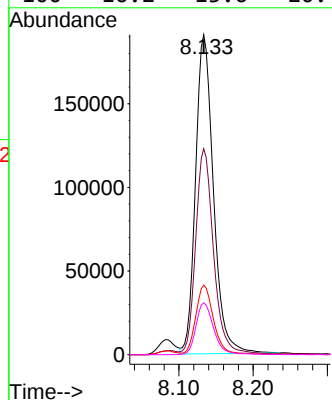
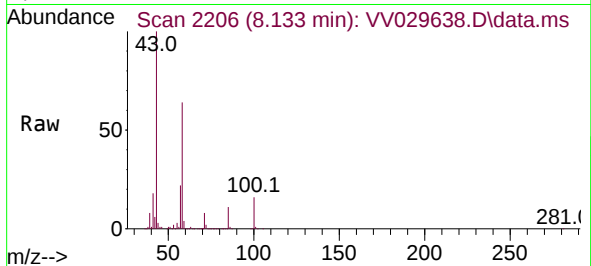




#48
2-Hexanone
Concen: 112.763 ug/L
RT: 8.133 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

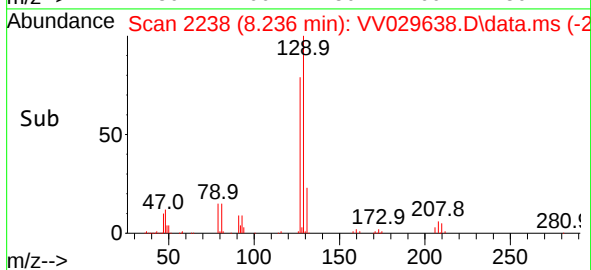
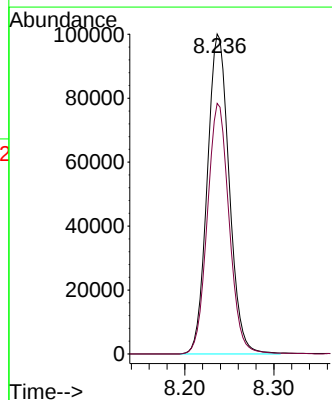
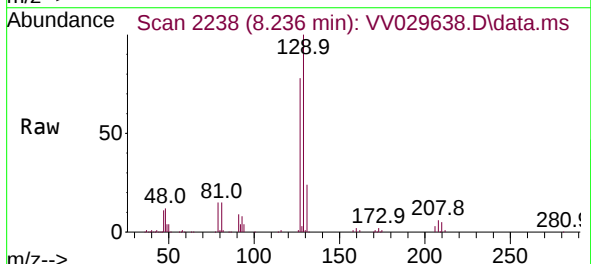
Instrument :
MSVOA_V
ClientSampleId :
EXZ72MSD

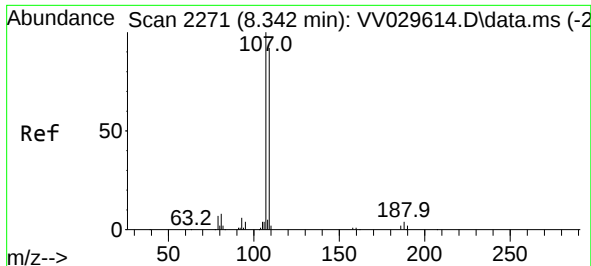
Tgt Ion: 43 Resp: 320453
Ion Ratio Lower Upper
43 100
58 64.0 54.1 81.1
57 21.8 17.4 26.0
100 16.2 13.6 20.4



#49
Dibromochloromethane
Concen: 48.041 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

Tgt Ion: 129 Resp: 170953
Ion Ratio Lower Upper
129 100
127 78.3 55.2 102.4





#50

1,2-Dibromoethane

Concen: 48.075 ug/L

RT: 8.342 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

Instrument :

MSVOA_V

ClientSampleId :

EXZ72MSD

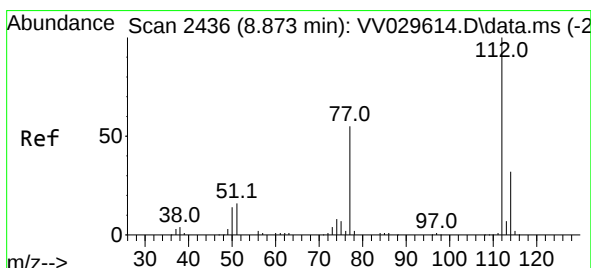
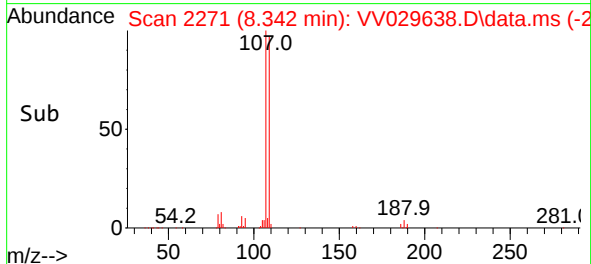
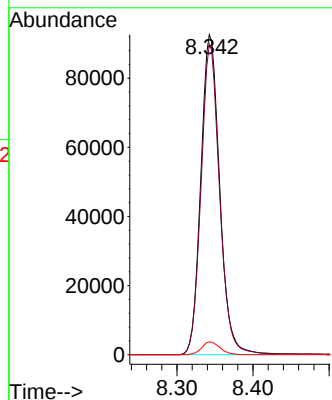
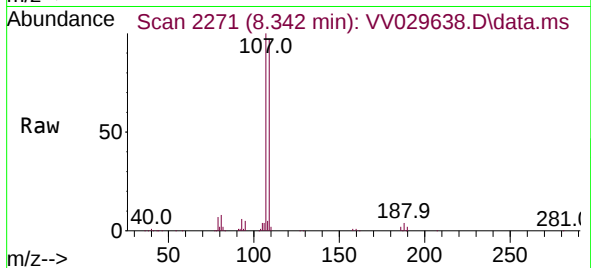
Tgt Ion:107 Resp: 159633

Ion Ratio Lower Upper

107 100

109 97.1 66.0 122.6

188 4.0 3.2 4.8



#51

Chlorobenzene

Concen: 50.162 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. 0.000 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

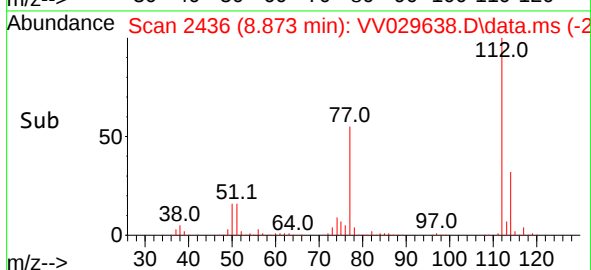
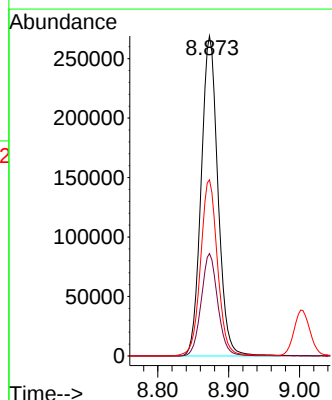
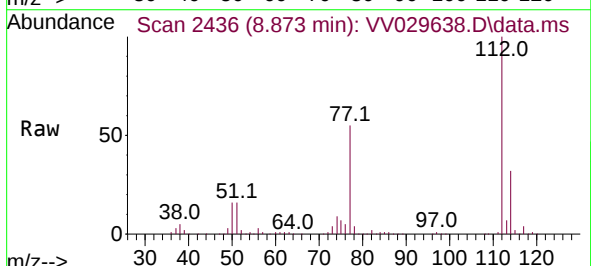
Tgt Ion:112 Resp: 441913

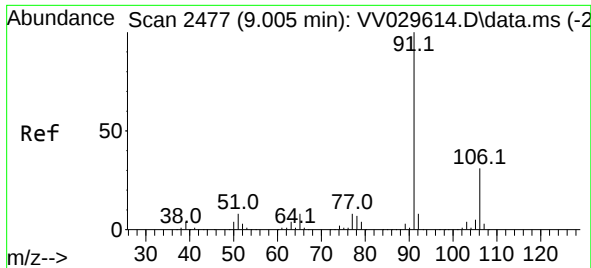
Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.3

77 55.1 45.0 67.4

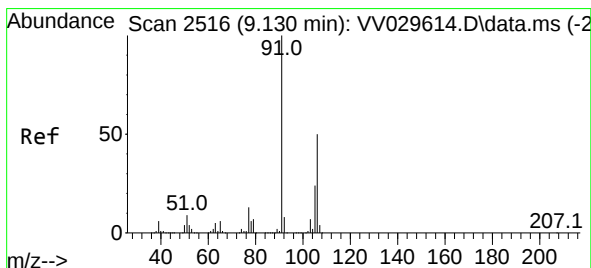
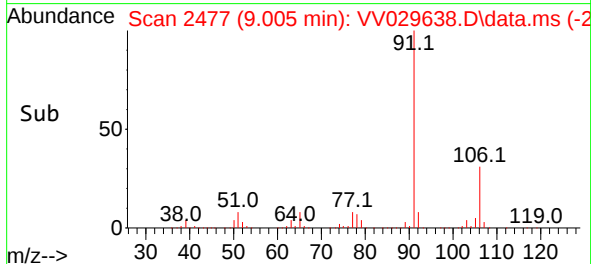
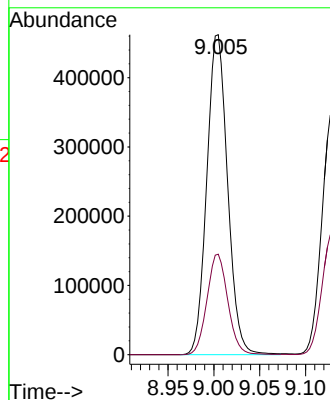
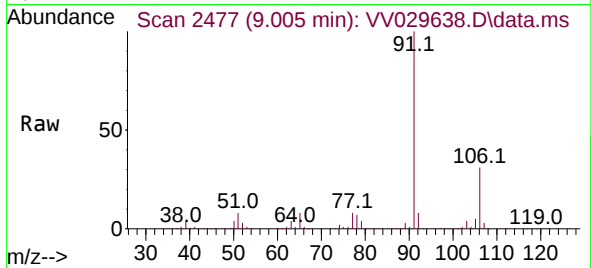




#52
Ethylbenzene
Concen: 49.839 ug/L
RT: 9.005 min Scan# 2477
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

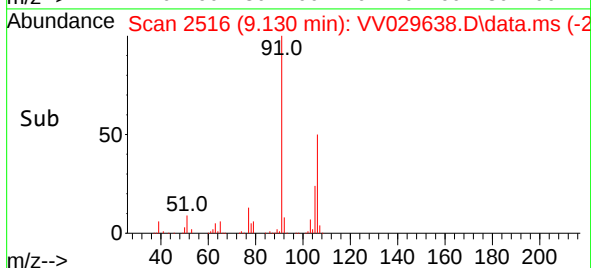
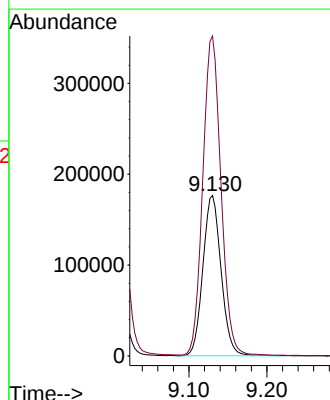
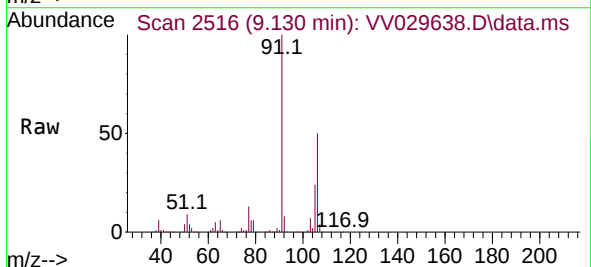
Instrument :
MSVOA_V
ClientSampleId :
EXZ72MSD

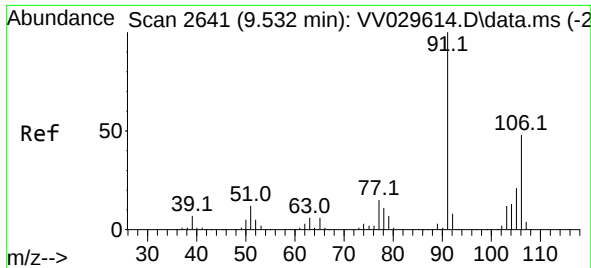
Tgt Ion: 91 Resp: 728993
Ion Ratio Lower Upper
91 100
106 31.4 21.8 40.6



#53
m,p-Xylene
Concen: 49.319 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

Tgt Ion: 106 Resp: 285515
Ion Ratio Lower Upper
106 100
91 199.5 139.5 259.1

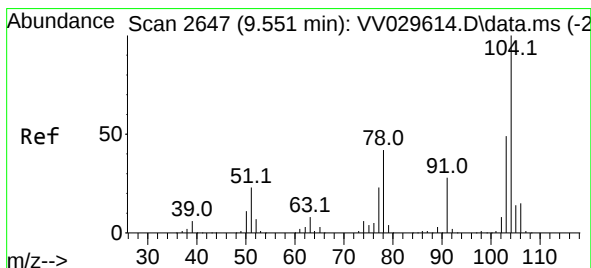
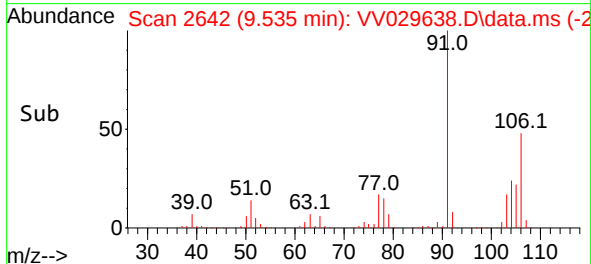
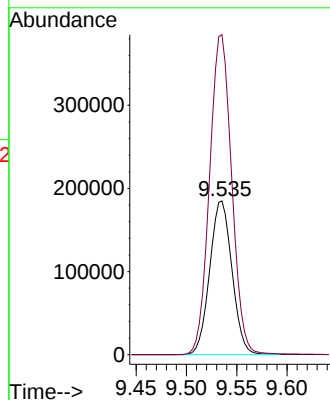
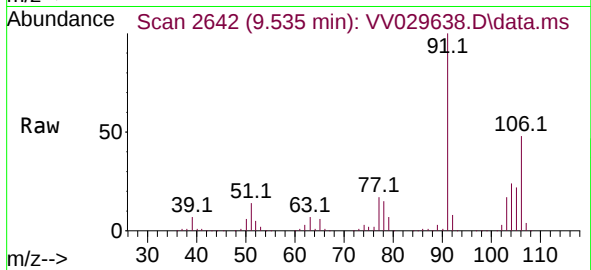




#54
o-Xylene
Concen: 49.807 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.003 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

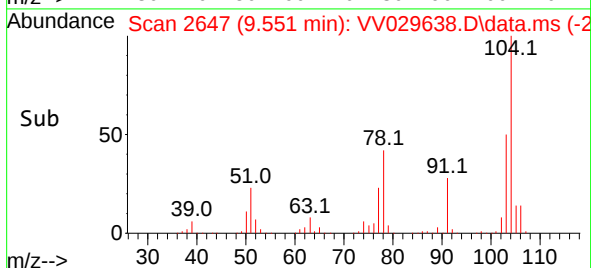
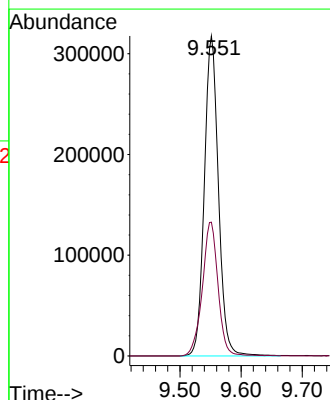
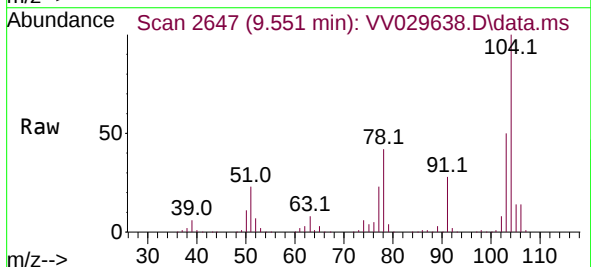
Instrument :
MSVOA_V
ClientSampleId :
EXZ72MSD

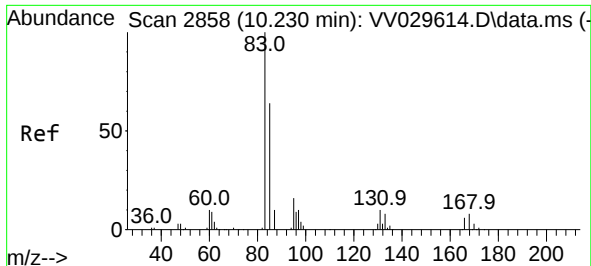
Tgt Ion:106 Resp: 285212
Ion Ratio Lower Upper
106 100
91 208.1 148.0 274.8



#55
Styrene
Concen: 51.210 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

Tgt Ion:104 Resp: 509612
Ion Ratio Lower Upper
104 100
78 41.8 29.4 54.6





#57

1,1,2,2-Tetrachloroethane

Concen: 50.904 ug/L

RT: 10.230 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

Instrument :

MSVOA_V

ClientSampleId :

EXZ72MSD

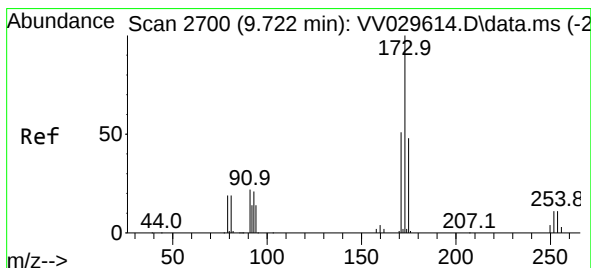
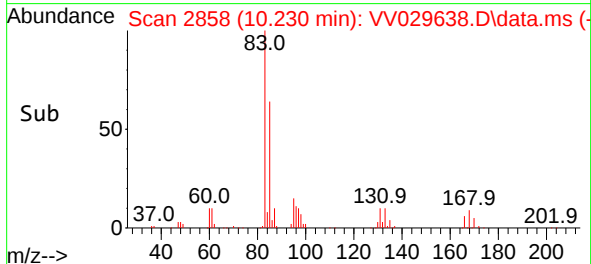
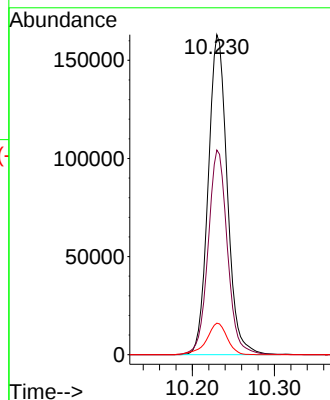
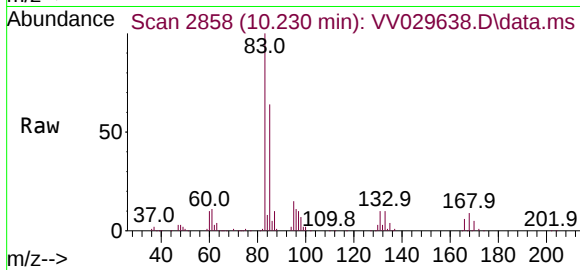
Tgt Ion: 83 Resp: 262445

Ion Ratio Lower Upper

83 100

85 64.0 45.7 84.9

131 9.9 7.9 11.9



#59

Bromoform

Concen: 45.273 ug/L

RT: 9.719 min Scan# 2699

Delta R.T. -0.003 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

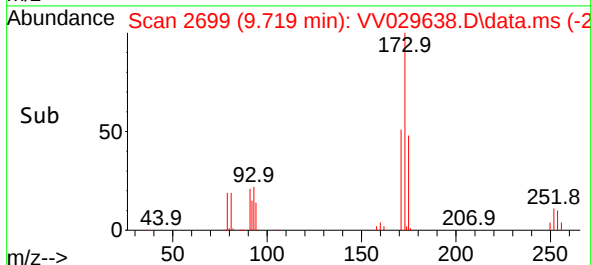
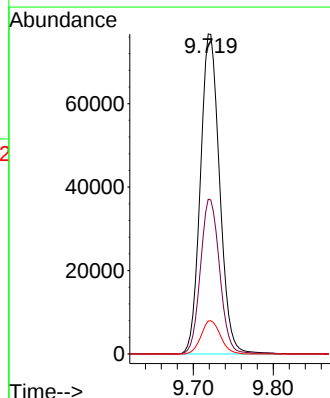
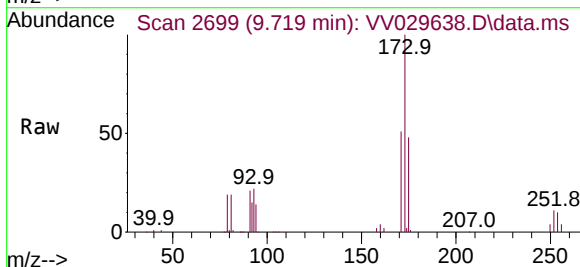
Tgt Ion: 173 Resp: 128572

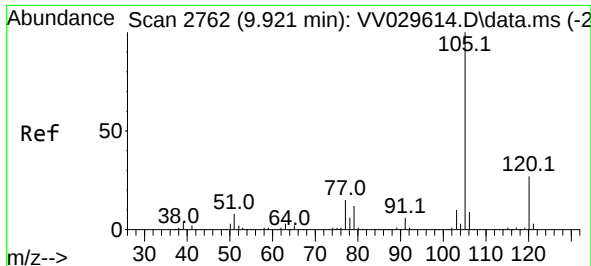
Ion Ratio Lower Upper

173 100

175 48.3 38.4 57.6

254 10.5 7.8 11.8

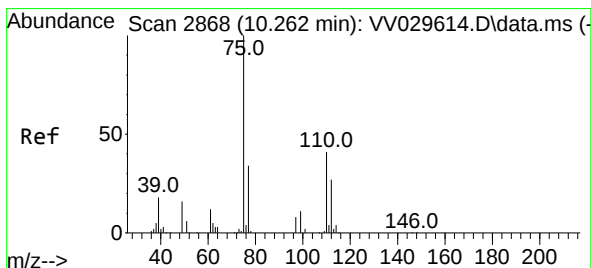
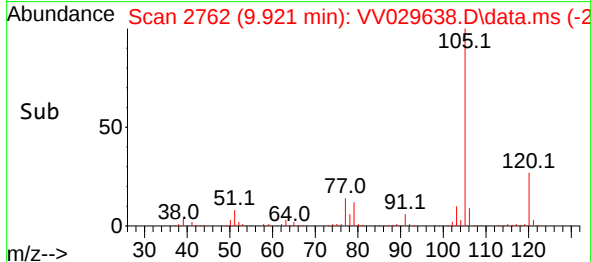
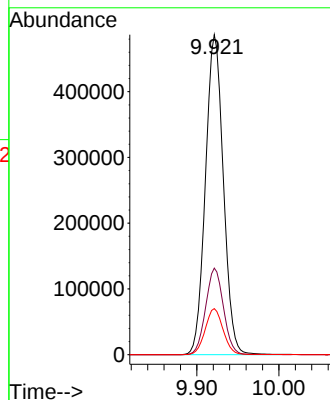
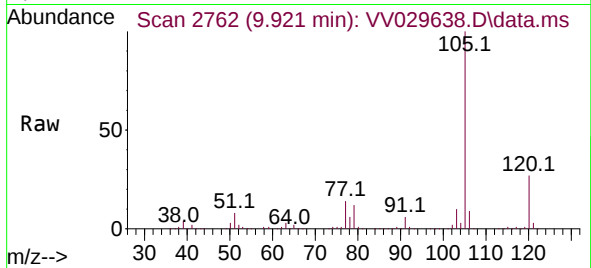




#60
Isopropylbenzene
Concen: 48.901 ug/L
RT: 9.921 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

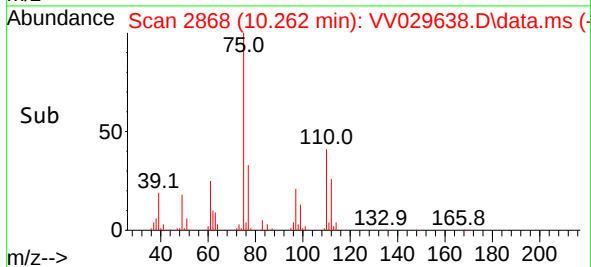
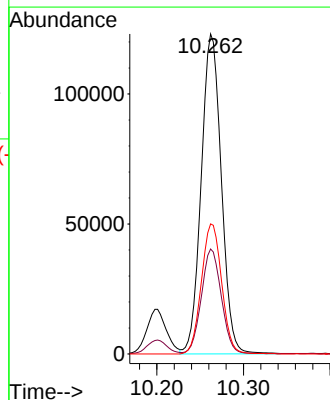
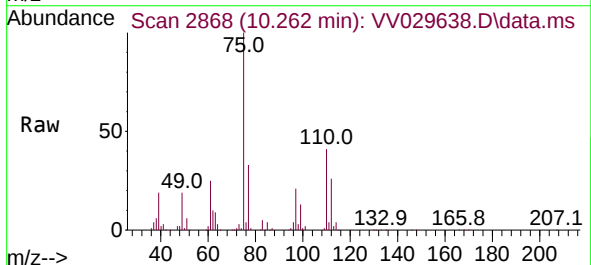
Instrument :
MSVOA_V
ClientSampleId :
EXZ72MSD

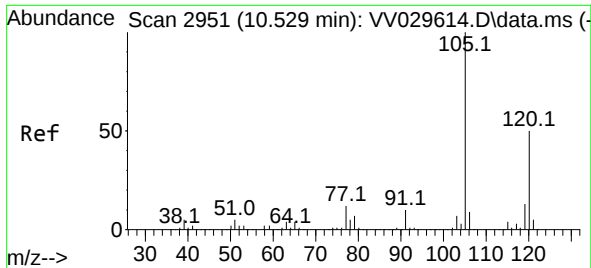
Tgt Ion:105 Resp: 738092
Ion Ratio Lower Upper
105 100
120 26.9 21.1 31.7
77 14.4 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 50.091 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

Tgt Ion: 75 Resp: 198772
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.2
110 40.9 32.7 49.1

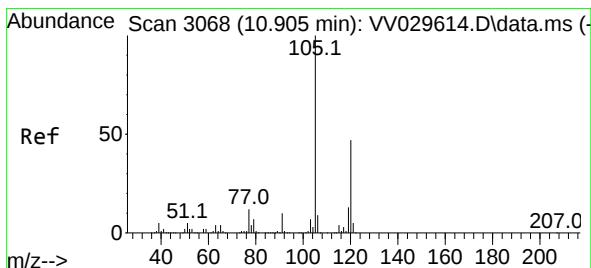
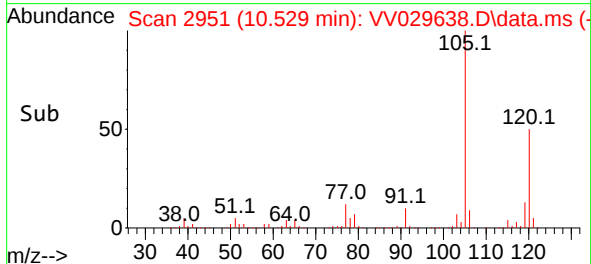
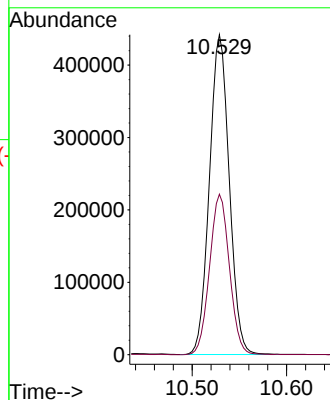
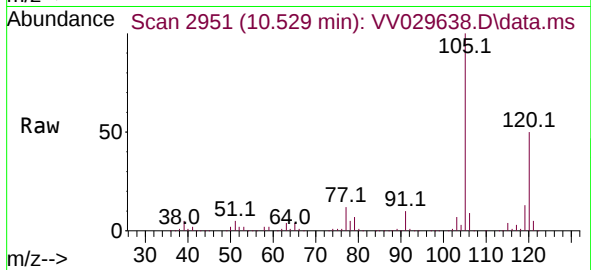




#62
 1,3,5-Trimethylbenzene
 Concen: 48.181 ug/L
 RT: 10.529 min Scan# 2951
 Delta R.T. 0.000 min
 Lab File: VV029638.D
 Acq: 13 Dec 2022 08:17

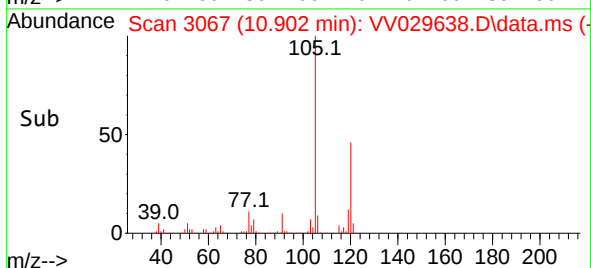
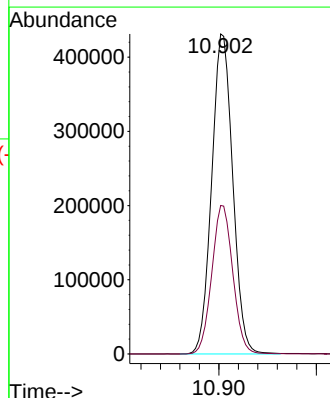
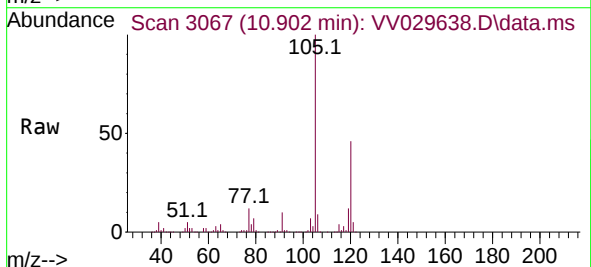
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ72MSD

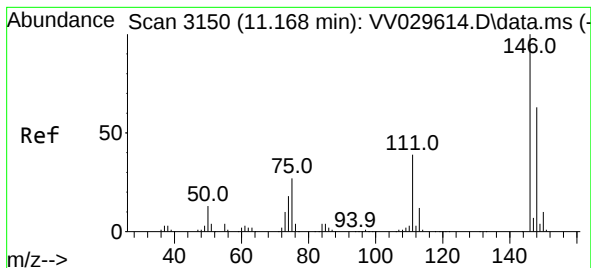
Tgt Ion:105 Resp: 643005
 Ion Ratio Lower Upper
 105 100
 120 50.2 40.0 60.0



#63
 1,2,4-Trimethylbenzene
 Concen: 48.815 ug/L
 RT: 10.902 min Scan# 3067
 Delta R.T. -0.003 min
 Lab File: VV029638.D
 Acq: 13 Dec 2022 08:17

Tgt Ion:105 Resp: 645766
 Ion Ratio Lower Upper
 105 100
 120 46.4 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 49.190 ug/L

RT: 11.169 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

Instrument :

MSVOA_V

ClientSampleId :

EXZ72MSD

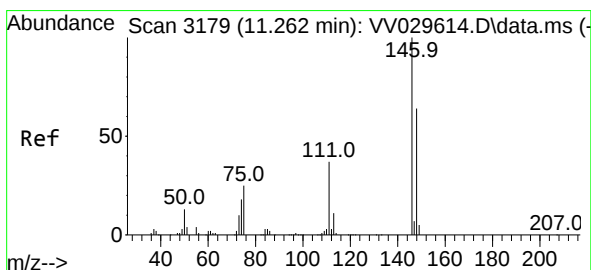
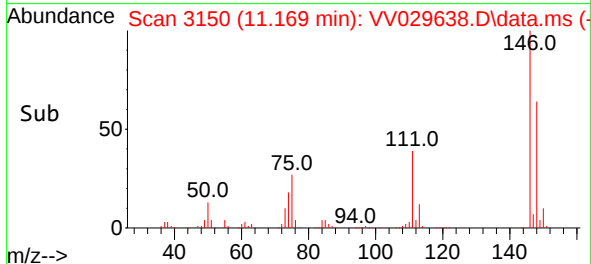
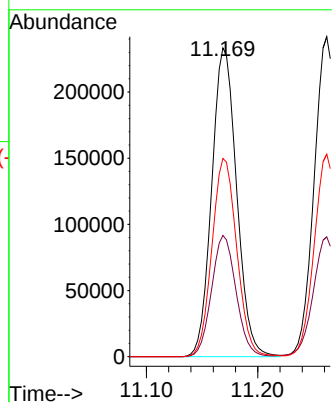
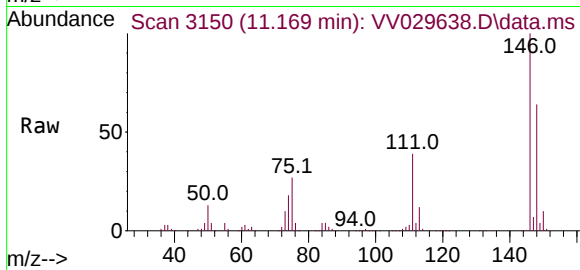
Tgt Ion:146 Resp: 363023

Ion Ratio Lower Upper

146 100

111 39.3 27.4 51.0

148 64.2 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 49.017 ug/L

RT: 11.262 min Scan# 3179

Delta R.T. 0.000 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

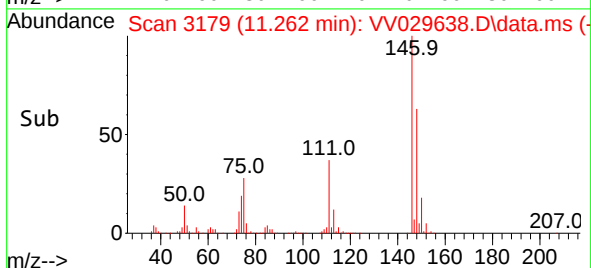
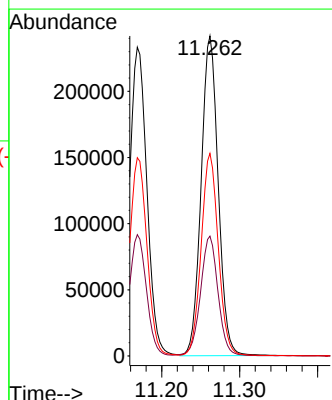
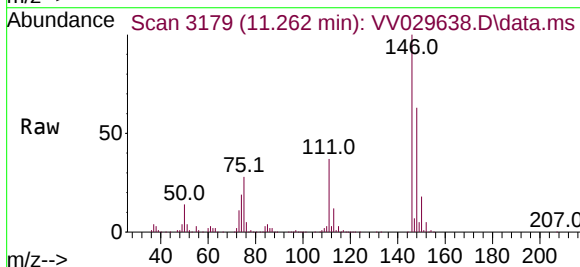
Tgt Ion:146 Resp: 367644

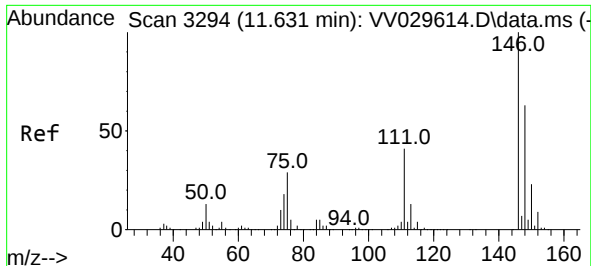
Ion Ratio Lower Upper

146 100

111 37.4 26.2 48.8

148 63.3 44.7 83.1

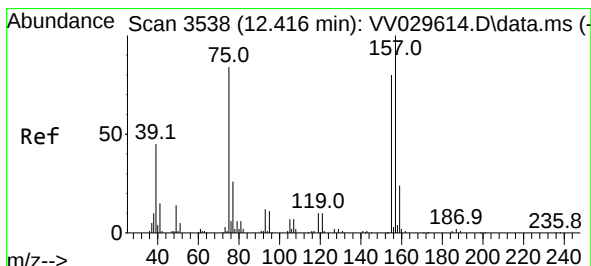
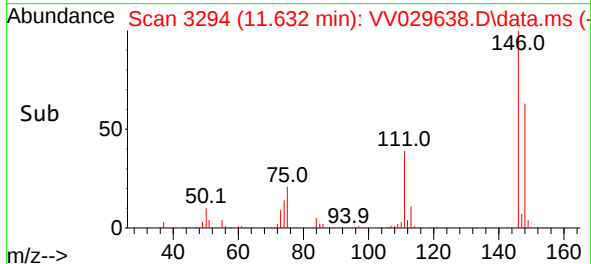
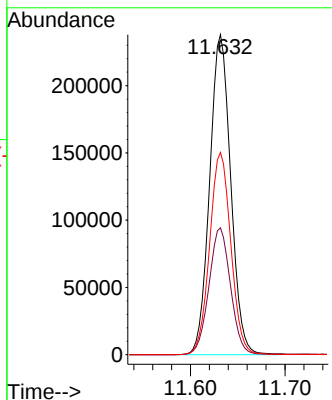
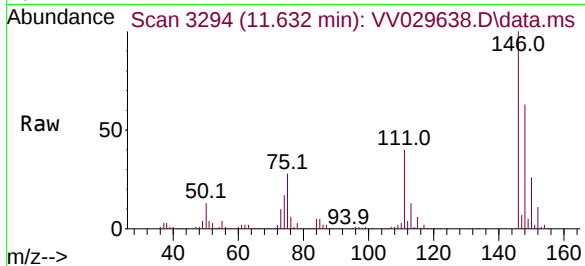




#67
1,2-Dichlorobenzene
Concen: 48.761 ug/L
RT: 11.632 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

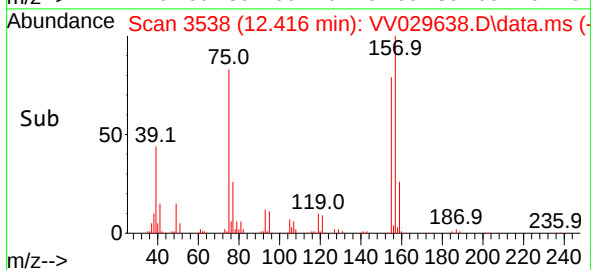
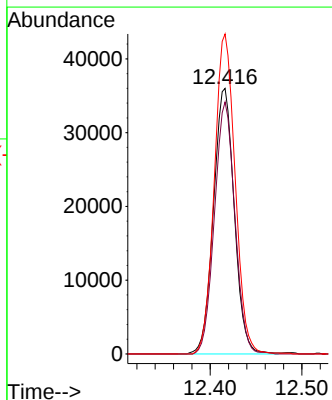
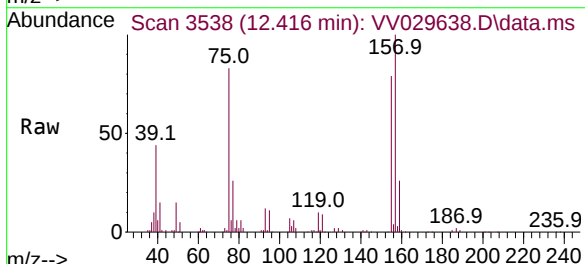
Instrument :
MSVOA_V
ClientSampleId :
EXZ72MSD

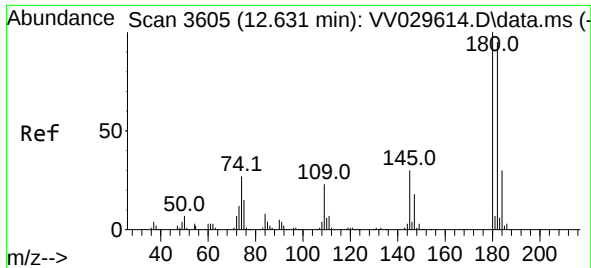
Tgt Ion:146 Resp: 367989
Ion Ratio Lower Upper
146 100
111 39.6 32.0 48.0
148 63.2 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 45.974 ug/L
RT: 12.416 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VV029638.D
Acq: 13 Dec 2022 08:17

Tgt Ion: 75 Resp: 56702
Ion Ratio Lower Upper
75 100
155 94.9 76.2 114.2
157 120.5 96.0 144.0





#69

1,3,5-Trichlorobenzene

Concen: 47.217 ug/L

RT: 12.632 min Scan# 3605

Delta R.T. 0.000 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

Instrument :

MSVOA_V

ClientSampleId :

EXZ72MSD

Tgt Ion:180 Resp: 277309

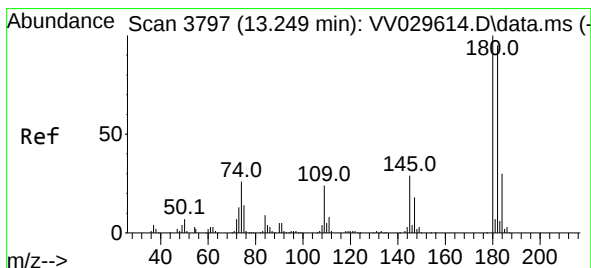
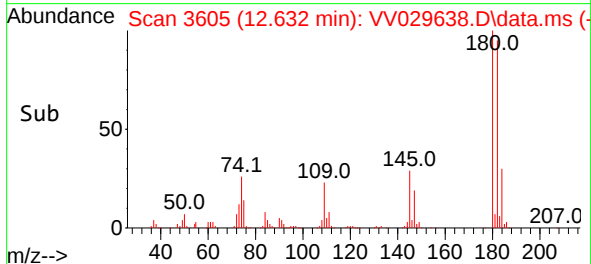
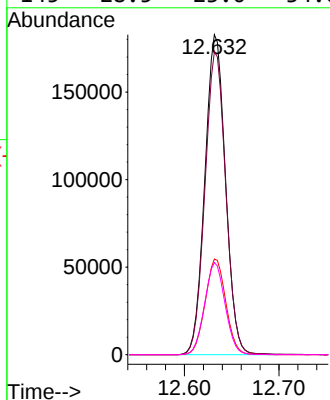
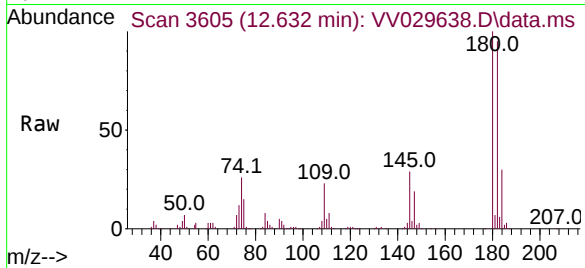
Ion Ratio Lower Upper

180 100

182 95.4 76.5 114.7

184 29.9 24.6 36.8

145 28.5 23.0 34.6



#70

1,2,4-trichlorobenzene

Concen: 48.136 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. 0.000 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

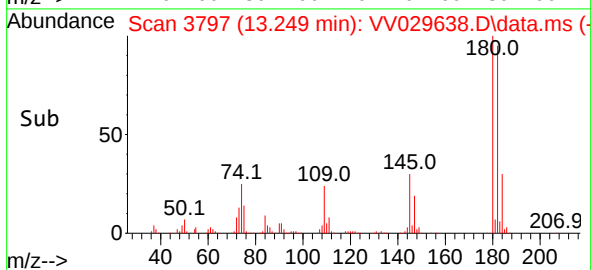
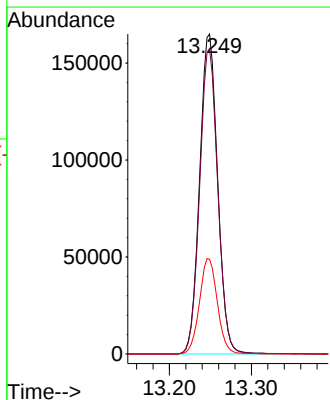
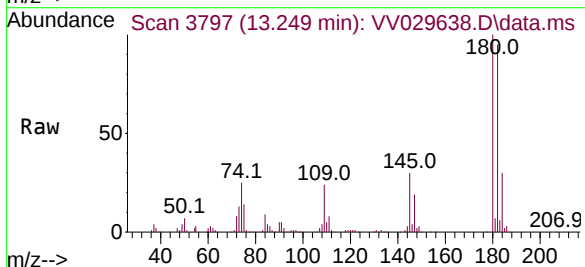
Tgt Ion:180 Resp: 251393

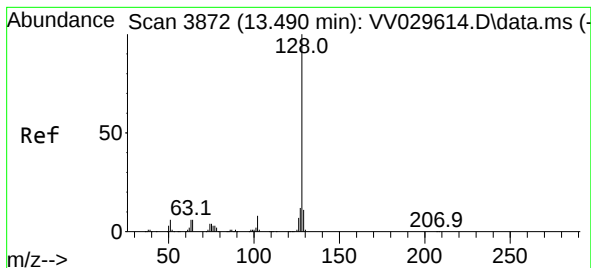
Ion Ratio Lower Upper

180 100

182 95.5 76.3 114.5

145 29.6 23.7 35.5





#71

Naphthalene

Concen: 56.529 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. 0.000 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

Instrument :

MSVOA_V

ClientSampleId :

EXZ72MSD

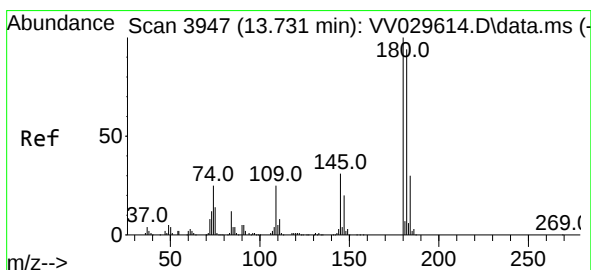
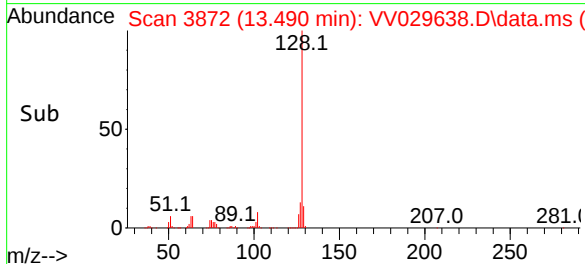
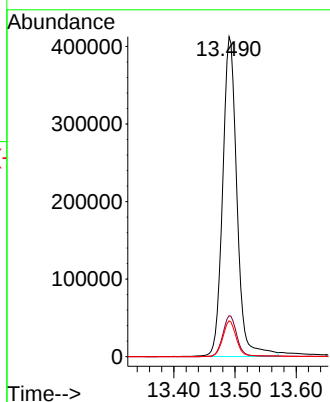
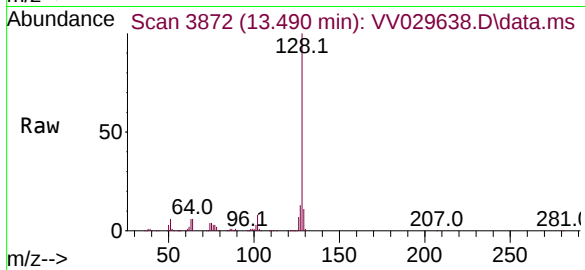
Tgt Ion:128 Resp: 669657

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 10.6 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 49.948 ug/L

RT: 13.728 min Scan# 3946

Delta R.T. -0.003 min

Lab File: VV029638.D

Acq: 13 Dec 2022 08:17

Tgt Ion:180 Resp: 255501

Ion Ratio Lower Upper

180 100

182 95.8 76.4 114.6

145 31.8 25.0 37.6

