

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100722\
 Data File : VW028396.D
 Acq On : 07 Oct 2022 10:16
 Operator : SY/MD
 Sample : VSTD00564
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005264

Quant Time: Oct 07 23:20:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 07 23:20:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	520287	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	468707	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	229786	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	18512	4.274	ug/L	0.00
7) Chloroethane-d5	1.568	69	14710	4.228	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.105	63	32436	4.211	ug/L	0.00
21) 2-Butanone-d5	3.857	46	46	0.015	ug/L	-0.03
24) Chloroform-d	4.349	84	33417	3.994	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.037	65	21287	4.342	ug/L	0.00
32) Benzene-d6	5.050	84	69259	4.838	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.069	67	22660	4.862	ug/L	0.00
41) Toluene-d8	7.317	98	62808	5.034	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.625	79	10793	5.273	ug/L	0.00
47) 2-Hexanone-d5	8.095	63	22838	10.846	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.210	84	31254	4.540	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.619	152	21888	4.948	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	19958	3.889	ug/L	96
3) Chloromethane	1.240	50	21734	4.391	ug/L	97
5) Vinyl chloride	1.307	62	21963	4.239	ug/L	97
6) Bromomethane	1.520	94	9683	3.228	ug/L	100
8) Chloroethane	1.584	64	13180	4.303	ug/L	97
9) Trichlorofluoromethane	1.751	101	27128	3.849	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	15664	3.821	ug/L	98
12) 1,1-Dichloroethene	2.114	96	15035	3.900	ug/L	96
13) Acetone	2.108	43	237	0.110	ug/L	80
14) Carbon disulfide	2.288	76	47585	4.245	ug/L	99
15) Methyl Acetate	2.436	43	18234	4.056	ug/L	93
16) Methylene chloride	2.503	84	20168	4.077	ug/L	99
17) trans-1,2-Dichloroethene	2.757	96	17966	4.355	ug/L	91
18) Methyl tert-butyl Ether	2.767	73	63339	5.254	ug/L	98
19) 1,1-Dichloroethane	3.188	63	35889	4.638	ug/L	97
20) cis-1,2-Dichloroethene	3.912	96	19029	4.324	ug/L	97
22) 2-Butanone	4.005	43	18913	6.532	ug/L	81
23) Bromochloromethane	4.249	128	9110	3.702	ug/L	92
25) Chloroform	4.378	83	34864	4.281	ug/L	97
27) 1,2-Dichloroethane	5.137	62	26085	4.472	ug/L	98
29) Cyclohexane	4.671	56	34892	6.625	ug/L	99
30) 1,1,1-Trichloroethane	4.606	97	29982	4.826	ug/L	98
31) Carbon tetrachloride	4.828	117	24701	4.590	ug/L	99
33) Benzene	5.101	78	76179	5.055	ug/L	100
34) Trichloroethene	5.915	95	19200	4.945	ug/L	94
35) Methylcyclohexane	6.127	83	34414	5.841	ug/L	98
37) 1,2-Dichloropropane	6.175	63	19817	4.990	ug/L	100
38) Bromodichloromethane	6.513	83	25687	4.789	ug/L	99
39) cis-1,3-Dichloropropene	7.031	75	32015	5.587	ug/L	96
40) 4-Methyl-2-pentanone	7.230	43	70100	13.797	ug/L	99
42) Toluene	7.387	91	80158	5.248	ug/L	98
44) trans-1,3-Dichloropropene	7.654	75	30139	5.428	ug/L	98

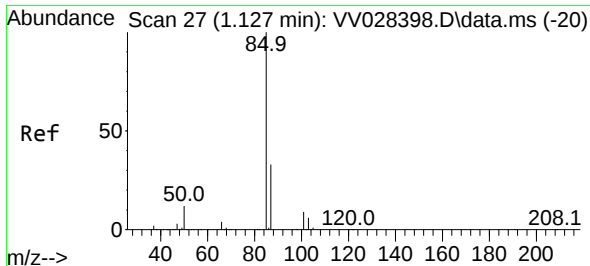
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 Quant Title : VOC Analysis
 QLast Update : Fri Oct 07 23:20:12 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.838	97	19444	4.732	ug/L	98
46) Tetrachloroethene	7.973	164	13153	4.419	ug/L	98
48) 2-Hexanone	8.143	43	50544	13.019	ug/L	97
49) Dibromochloromethane	8.243	129	20252	4.671	ug/L	89
50) 1,2-Dibromoethane	8.352	107	19311	4.574	ug/L	94
51) Chlorobenzene	8.879	112	49358	4.650	ug/L	97
52) Ethylbenzene	9.008	91	85206	5.284	ug/L	100
53) m,p-Xylene	9.137	106	32720	5.260	ug/L	92
54) o-Xylene	9.538	106	32369	5.319	ug/L	99
55) Styrene	9.558	104	54171	5.140	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.236	83	33353	4.986	ug/L	96
59) Bromoform	9.725	173	14116	5.328	ug/L	99
60) Isopropylbenzene	9.924	105	85431	6.052	ug/L	99
61) 1,2,3-Trichloropropane	10.268	75	25887	5.519	ug/L	99
62) 1,3,5-Trimethylbenzene	10.532	105	73318	6.283	ug/L	99
63) 1,2,4-Trimethylbenzene	10.908	105	73094	6.292	ug/L	98
64) 1,3-Dichlorobenzene	11.175	146	35617	5.089	ug/L	97
65) 1,4-Dichlorobenzene	11.265	146	36003	4.881	ug/L	95
67) 1,2-Dichlorobenzene	11.635	146	36475	5.085	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.423	75	7671	5.939	ug/L	95
69) 1,3,5-Trichlorobenzene	12.638	180	27137	5.354	ug/L	98
70) 1,2,4-trichlorobenzene	13.252	180	22166	5.089	ug/L	99
71) Naphthalene	13.493	128	65648	4.893	ug/L	99
72) 1,2,3-Trichlorobenzene	13.734	180	21103	4.784	ug/L	97

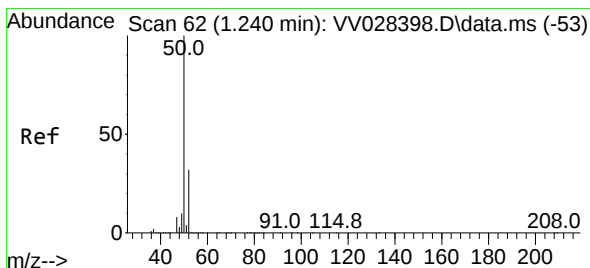
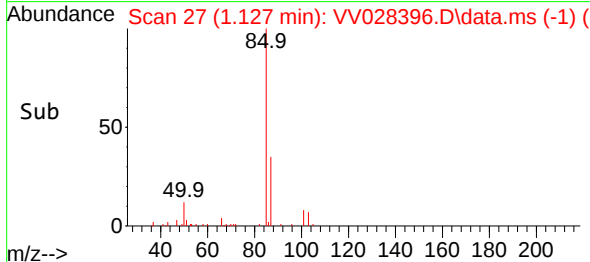
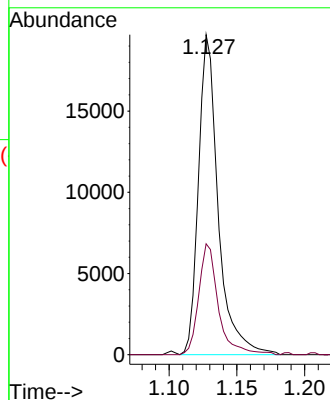
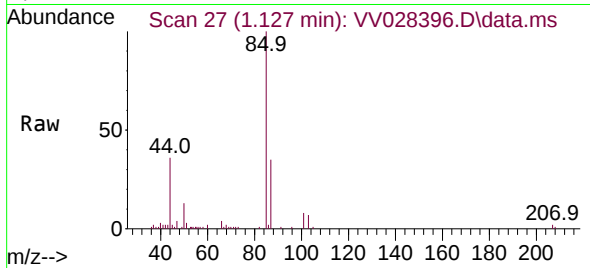
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 3.889 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV028396.D
 Acq: 07 Oct 2022 10:16

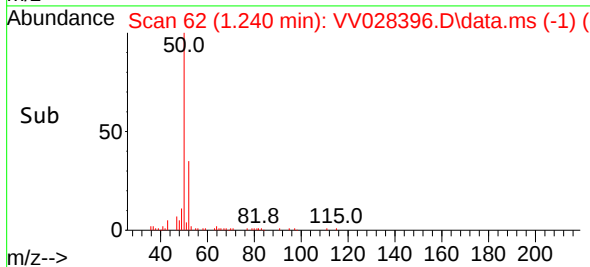
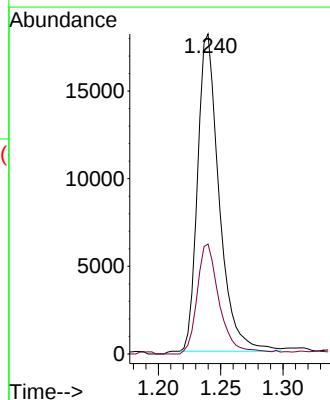
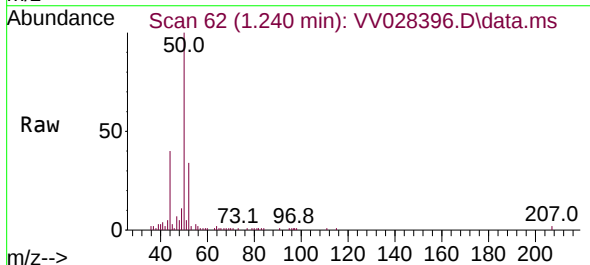
Instrument :
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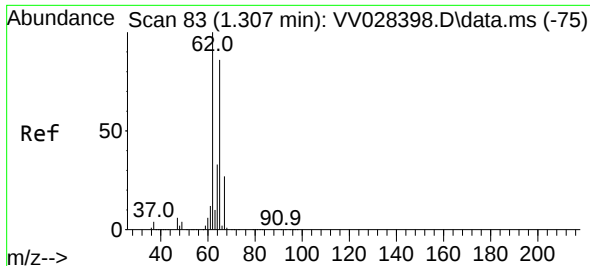
Tgt Ion: 85 Resp: 19958
 Ion Ratio Lower Upper
 85 100
 87 34.4 25.9 38.9



#3
 Chloromethane
 Concen: 4.391 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV028396.D
 Acq: 07 Oct 2022 10:16

Tgt Ion: 50 Resp: 21734
 Ion Ratio Lower Upper
 50 100
 52 34.3 22.7 42.3

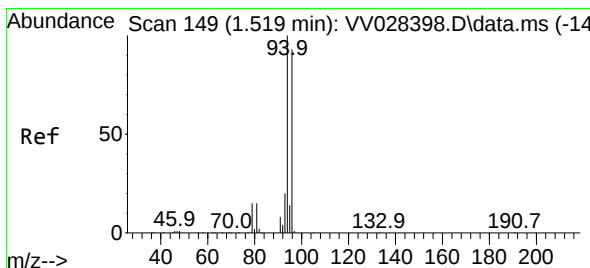
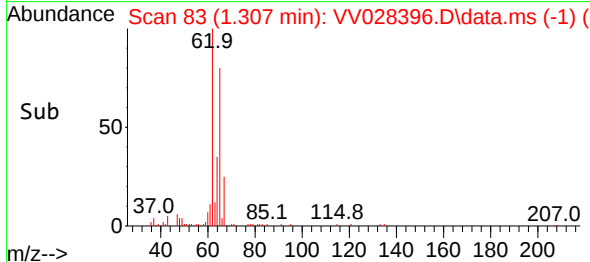
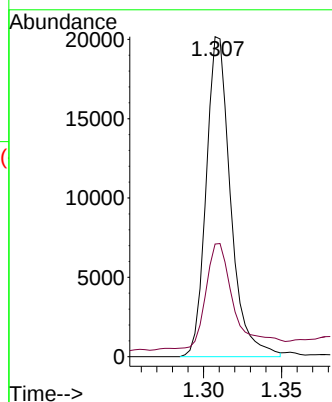
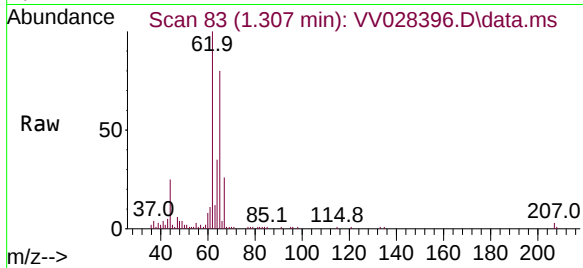




#5
 Vinyl chloride
 Concen: 4.239 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VV028396.D
 Acq: 07 Oct 2022 10:16

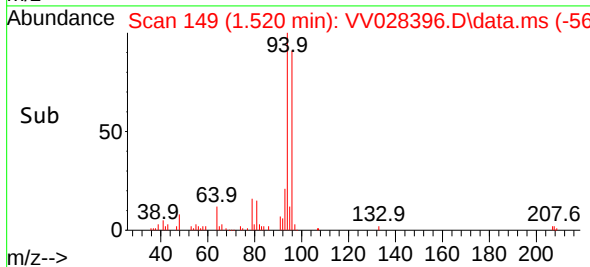
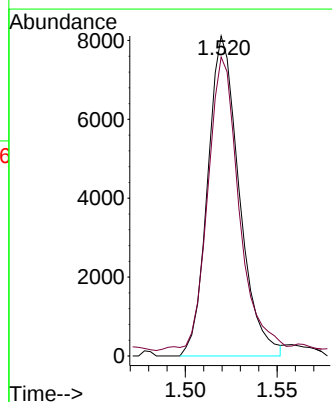
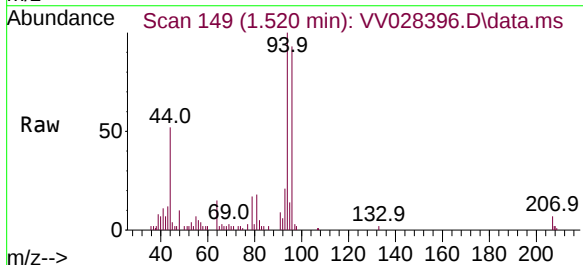
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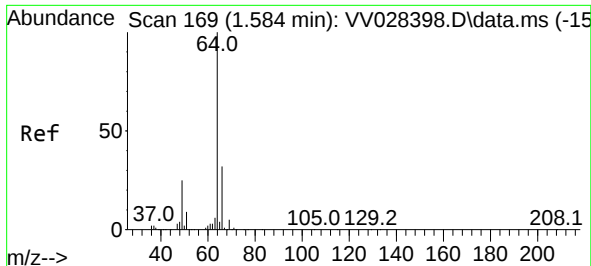
Tgt Ion: 62 Resp: 21963
 Ion Ratio Lower Upper
 62 100
 64 35.2 23.3 43.3



#6
 Bromomethane
 Concen: 3.228 ug/L
 RT: 1.520 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV028396.D
 Acq: 07 Oct 2022 10:16

Tgt Ion: 94 Resp: 9683
 Ion Ratio Lower Upper
 94 100
 96 93.4 65.5 121.6

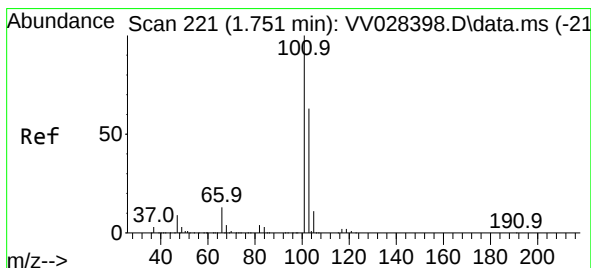
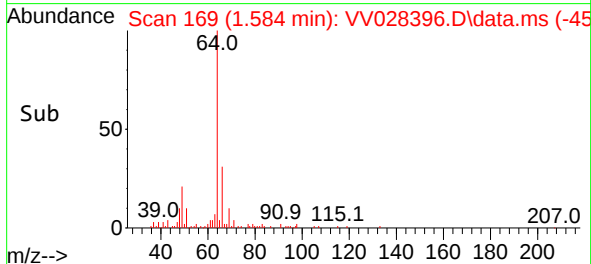
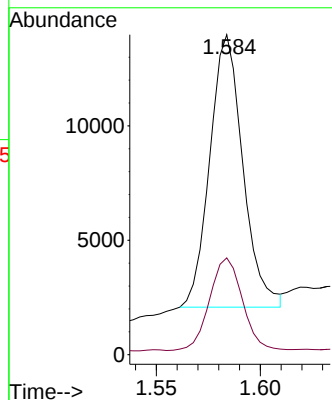
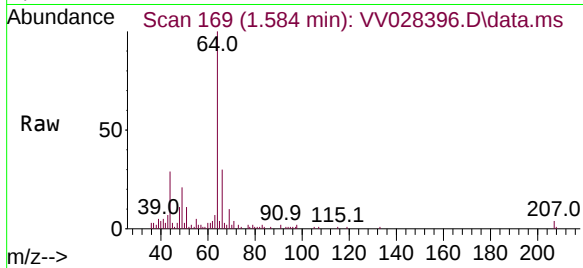




#8
Chloroethane
Concen: 4.303 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.000 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

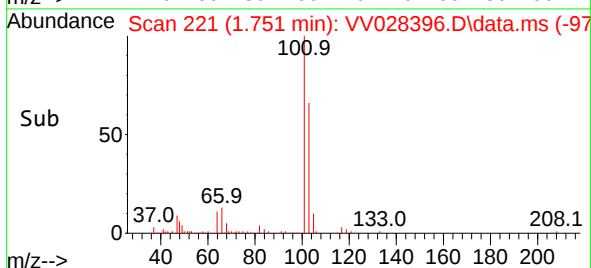
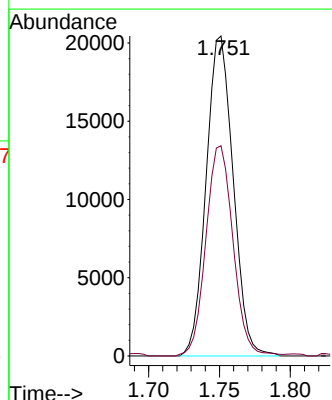
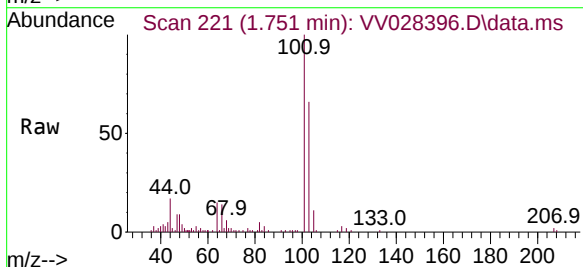
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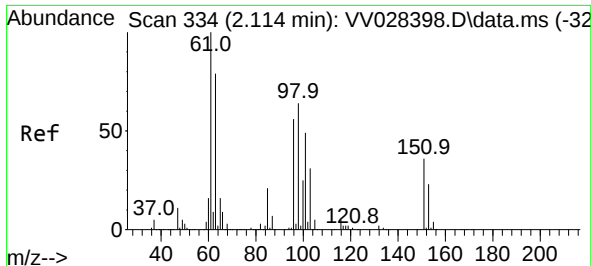
Tgt Ion: 64 Resp: 13180
Ion Ratio Lower Upper
64 100
66 30.3 22.2 41.2



#9
Trichlorofluoromethane
Concen: 3.849 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.000 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

Tgt Ion: 101 Resp: 27128
Ion Ratio Lower Upper
101 100
103 66.0 50.7 76.1

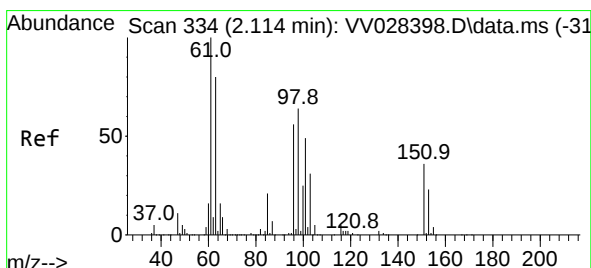
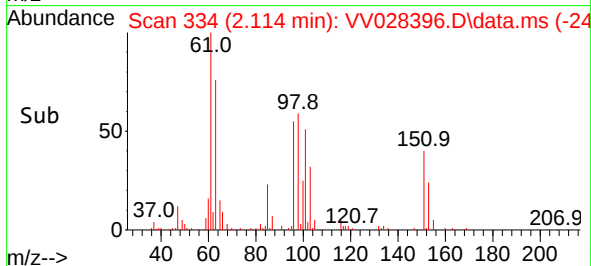
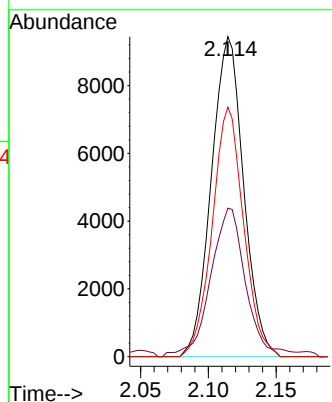
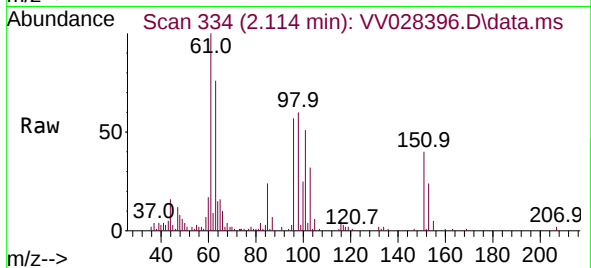




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.821 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV028396.D
 Acq: 07 Oct 2022 10:16

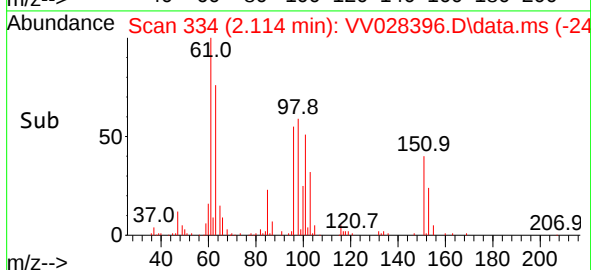
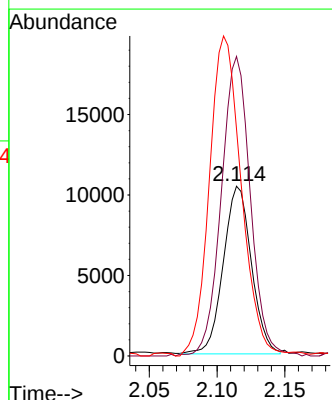
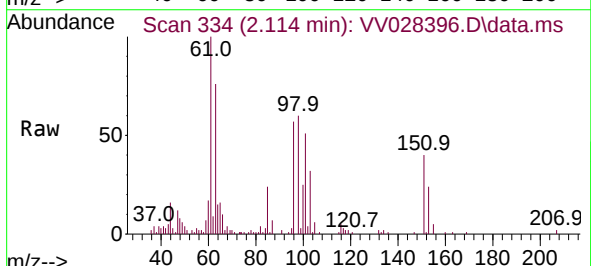
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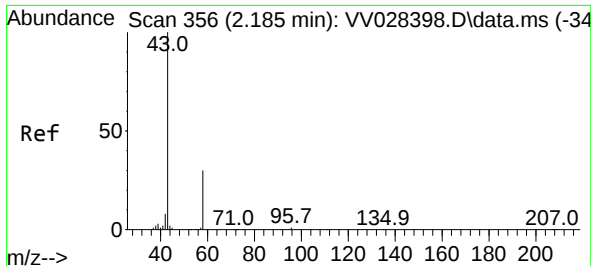
Tgt Ion:101 Resp: 15664
 Ion Ratio Lower Upper
 101 100
 85 45.2 34.9 52.3
 151 75.6 59.2 88.8



#12
 1,1-Dichloroethene
 Concen: 3.900 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV028396.D
 Acq: 07 Oct 2022 10:16

Tgt Ion: 96 Resp: 15035
 Ion Ratio Lower Upper
 96 100
 61 176.4 125.6 233.2
 63 133.6 100.0 185.6

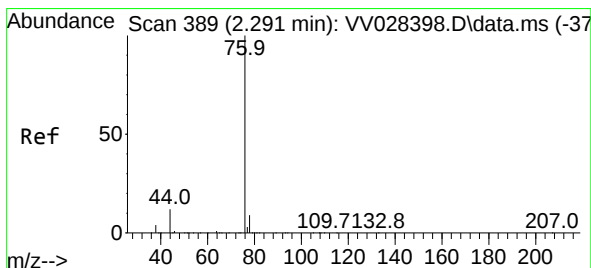
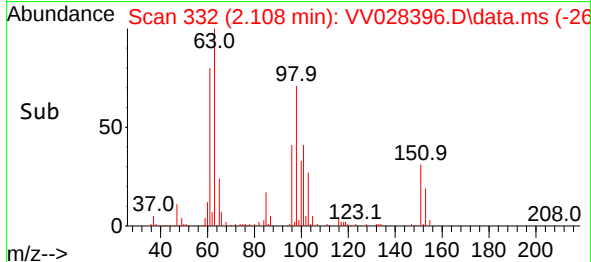
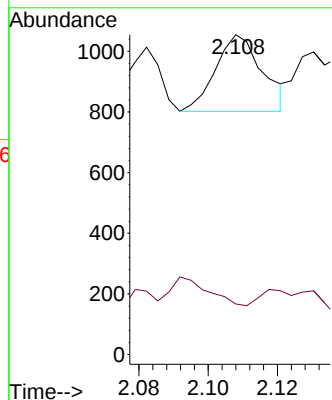
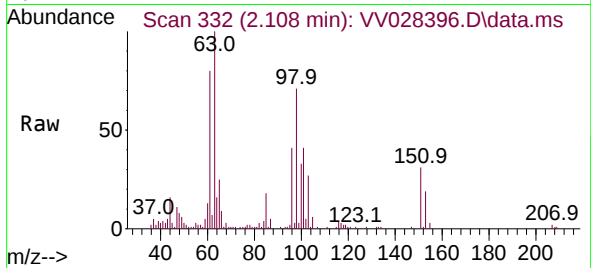




#13
Acetone
Concen: 0.110 ug/L
RT: 2.108 min Scan# 31
Delta R.T. -0.077 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

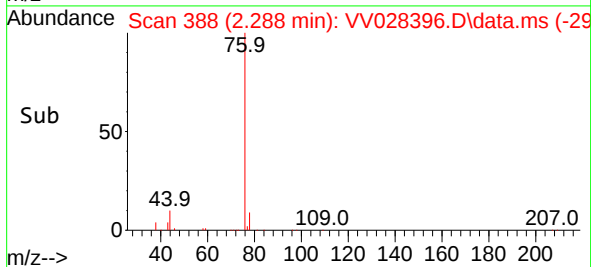
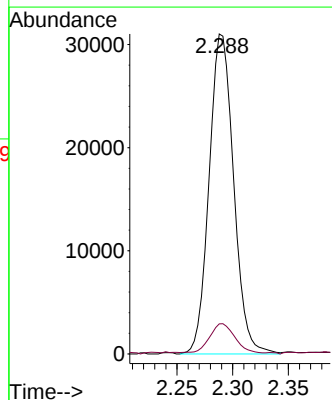
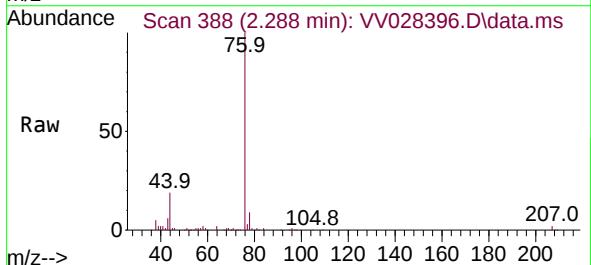
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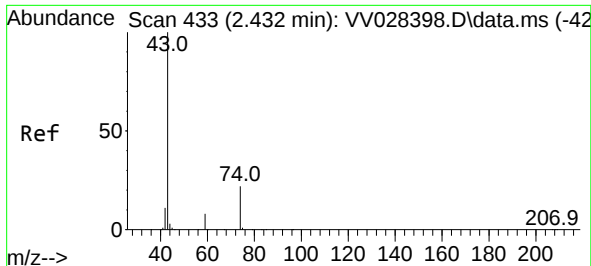
Tgt Ion: 43 Resp: 237
Ion Ratio Lower Upper
43 100
58 13.5 0.0 47.0



#14
Carbon disulfide
Concen: 4.245 ug/L
RT: 2.288 min Scan# 388
Delta R.T. -0.003 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

Tgt Ion: 76 Resp: 47585
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0

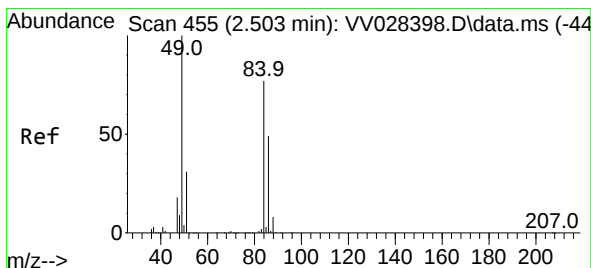
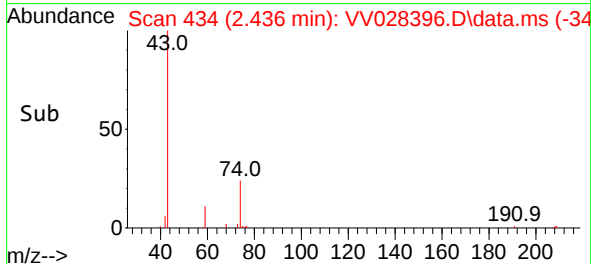
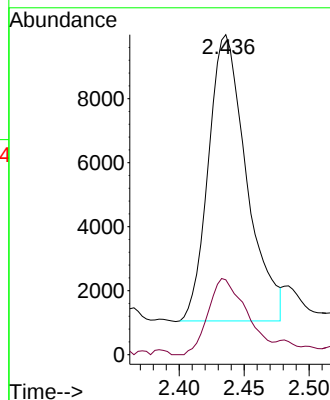
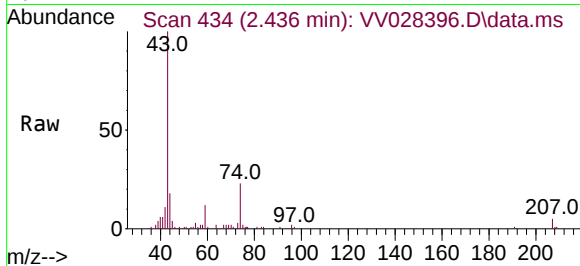




#15
Methyl Acetate
Concen: 4.056 ug/L
RT: 2.436 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

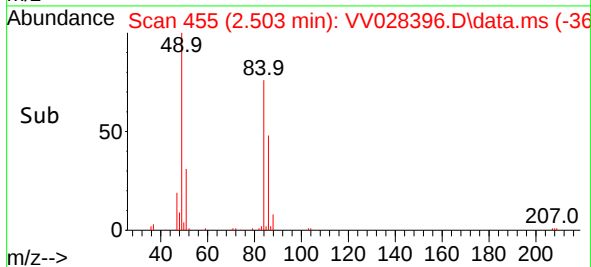
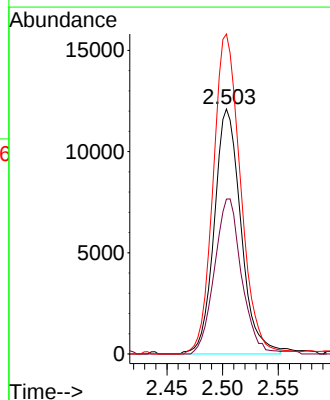
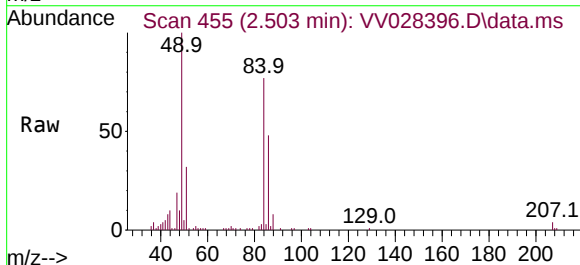
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ClientSampleId :
VSTD005264

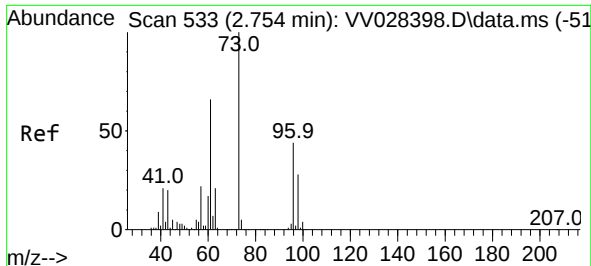
Tgt Ion: 43 Resp: 18234
Ion Ratio Lower Upper
43 100
74 26.9 18.8 28.2



#16
Methylene chloride
Concen: 4.077 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.000 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

Tgt Ion: 84 Resp: 20168
Ion Ratio Lower Upper
84 100
86 63.2 44.2 82.2
49 130.6 90.5 168.1

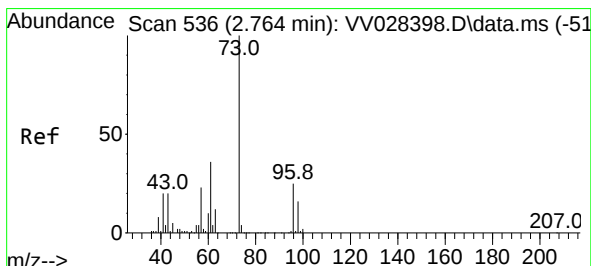
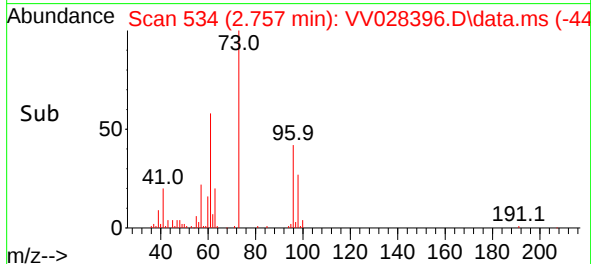
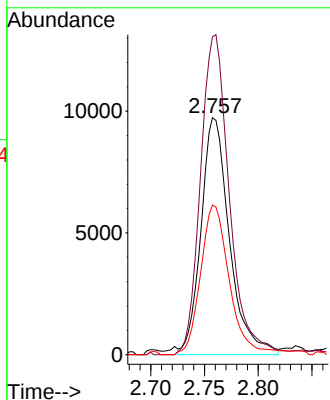
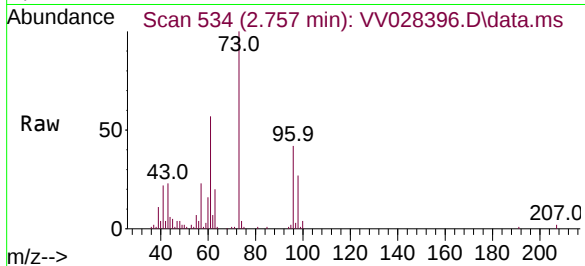




#17
trans-1,2-Dichloroethene
Concen: 4.355 ug/L
RT: 2.757 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

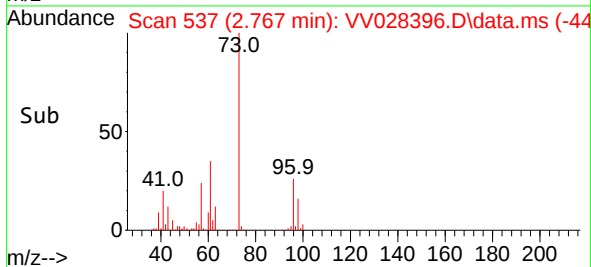
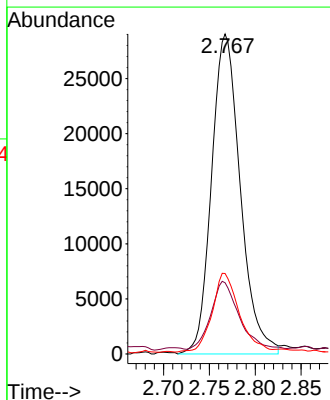
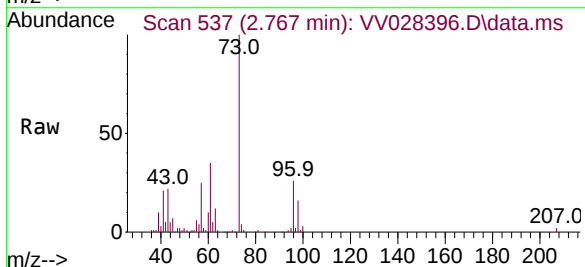
Instrument :
MSVOA_V
ClientSampleId :
VSTD005264

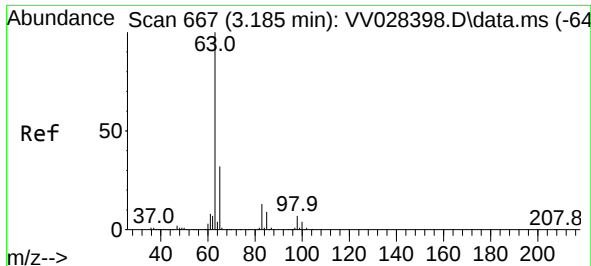
Tgt Ion: 96 Resp: 17966
Ion Ratio Lower Upper
96 100
61 134.2 104.8 194.6
98 63.1 44.5 82.7



#18
Methyl tert-butyl Ether
Concen: 5.254 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.003 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

Tgt Ion: 73 Resp: 63339
Ion Ratio Lower Upper
73 100
43 21.0 15.6 23.4
57 23.2 18.2 27.4





#19

1,1-Dichloroethane

Concen: 4.638 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005264

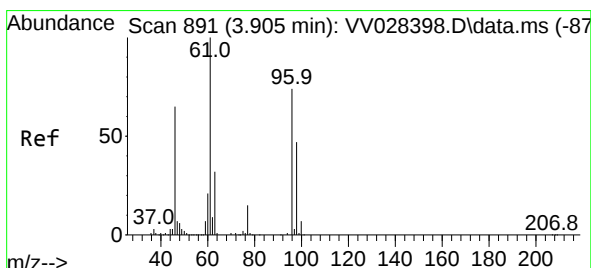
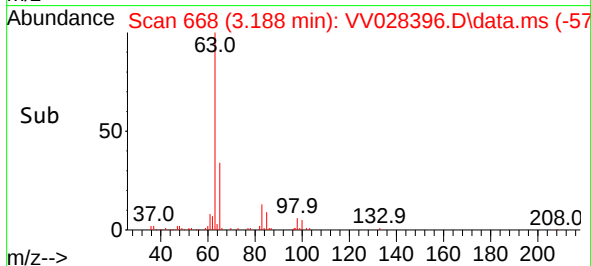
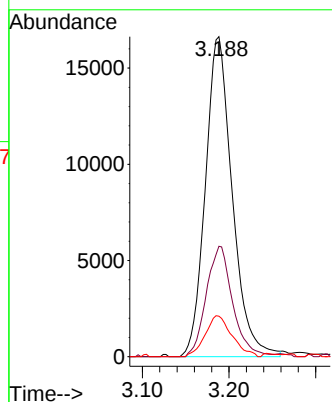
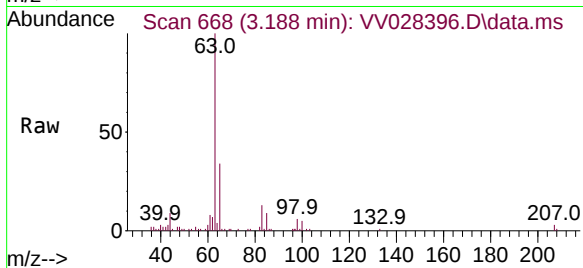
Tgt Ion: 63 Resp: 35889

Ion Ratio Lower Upper

63 100

65 34.5 22.6 42.0

83 12.6 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 4.324 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.007 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

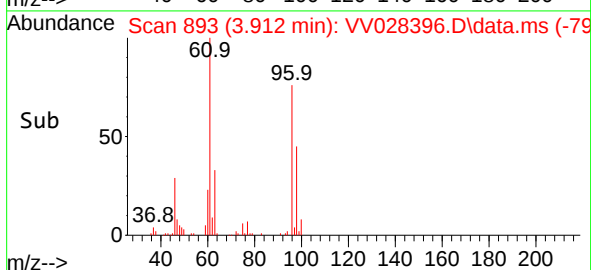
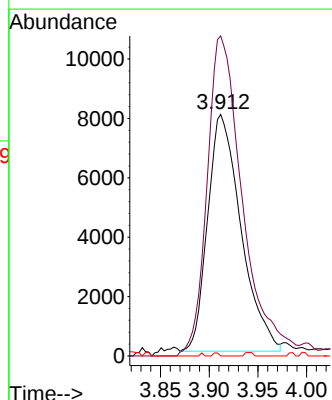
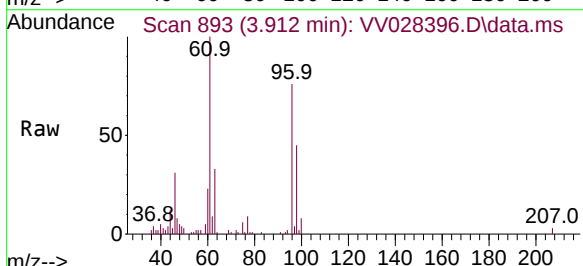
Tgt Ion: 96 Resp: 19029

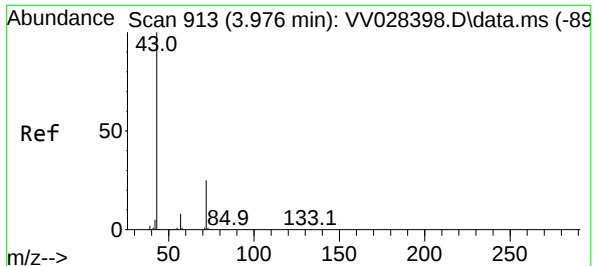
Ion Ratio Lower Upper

96 100

61 132.4 95.0 176.4

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 6.532 ug/L

RT: 4.005 min Scan# 913

Delta R.T. 0.029 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

Instrument :

MSVOA_V

ClientSampleId :

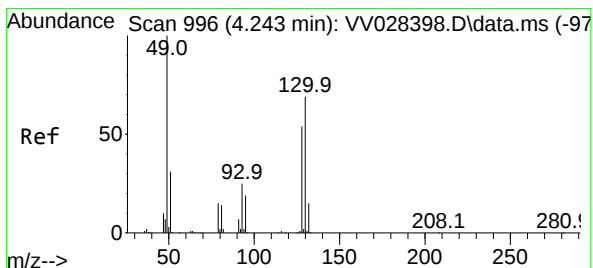
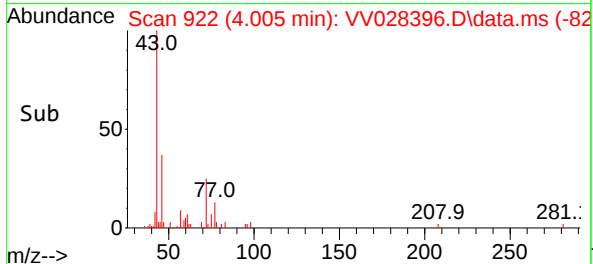
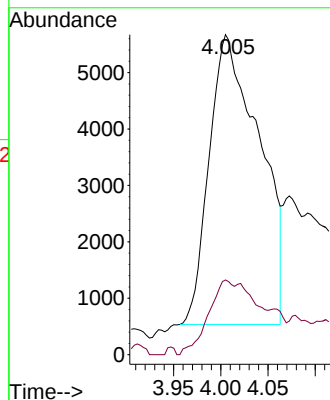
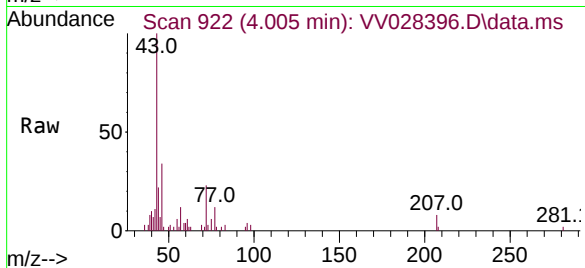
VSTD005264

Tgt Ion: 43 Resp: 18913

Ion Ratio Lower Upper

43 100

72 13.2 11.1 33.1



#23

Bromochloromethane

Concen: 3.702 ug/L

RT: 4.249 min Scan# 998

Delta R.T. 0.007 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

Tgt Ion: 128 Resp: 9110

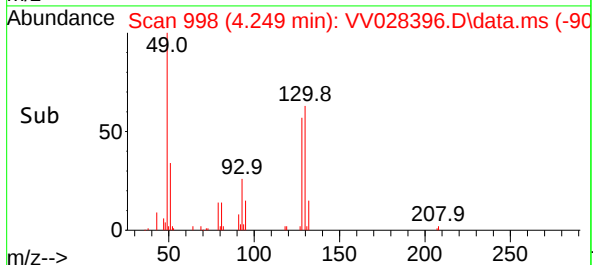
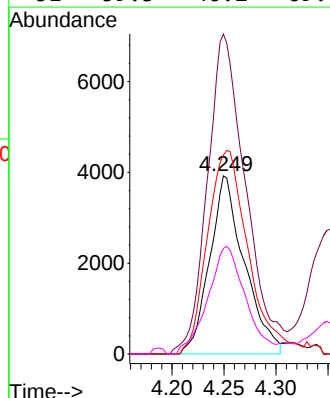
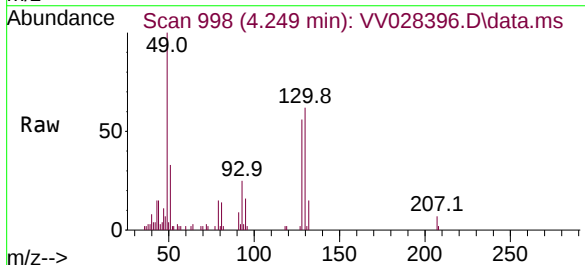
Ion Ratio Lower Upper

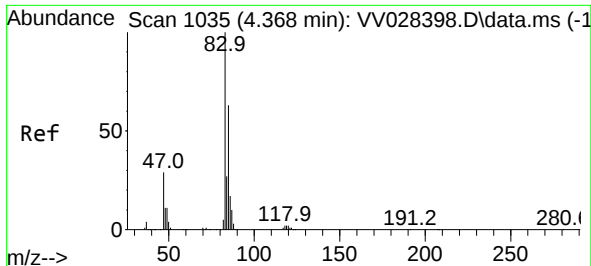
128 100

49 179.6 130.6 242.6

130 111.5 90.0 167.2

51 59.3 46.2 69.4





#25

Chloroform

Concen: 4.281 ug/L

RT: 4.378 min Scan# 110

Delta R.T. 0.010 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

Instrument :

MSVOA_V

ClientSampleId :

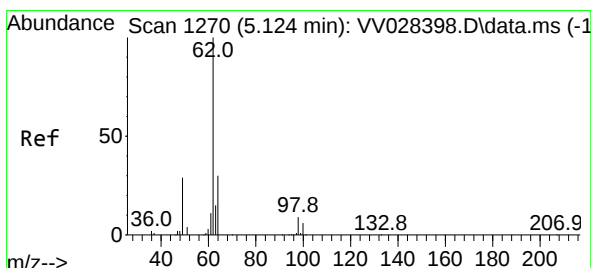
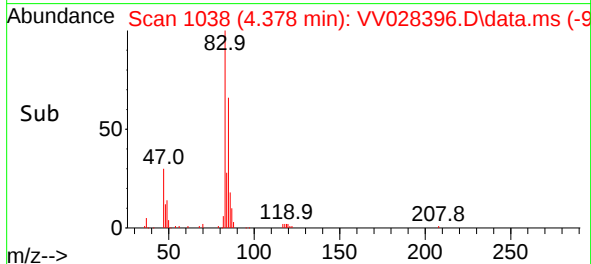
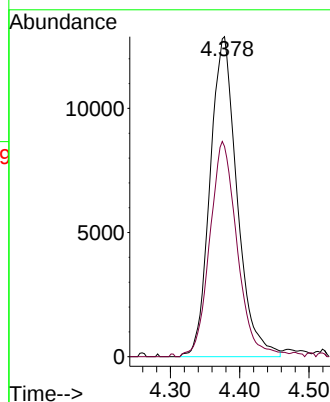
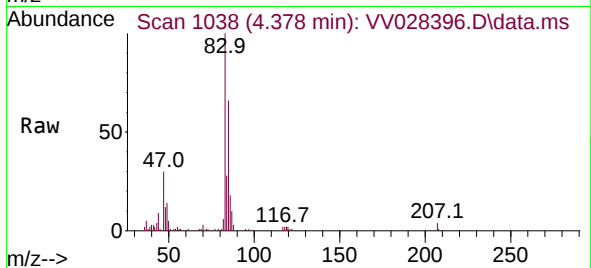
VSTD005264

Tgt Ion: 83 Resp: 34864

Ion Ratio Lower Upper

83 100

85 65.7 44.5 82.7



#27

1,2-Dichloroethane

Concen: 4.472 ug/L

RT: 5.137 min Scan# 1274

Delta R.T. 0.013 min

Lab File: VV028396.D

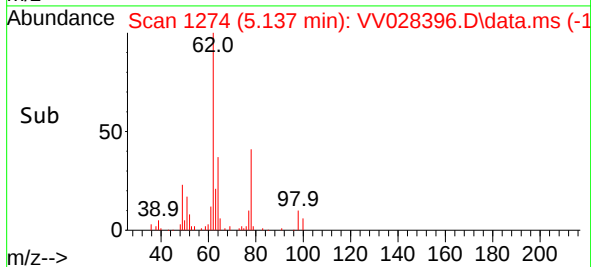
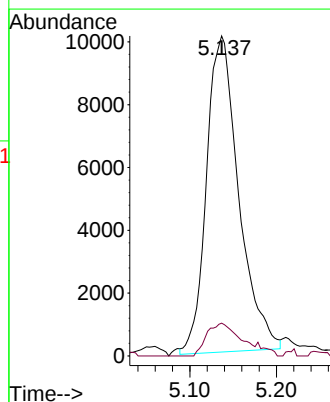
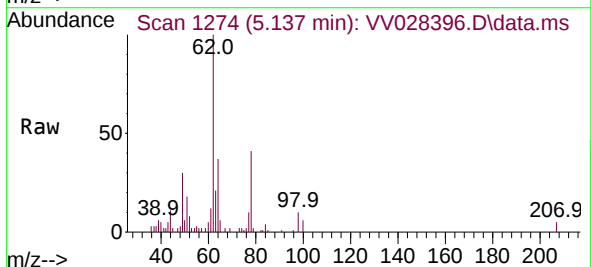
Acq: 07 Oct 2022 10:16

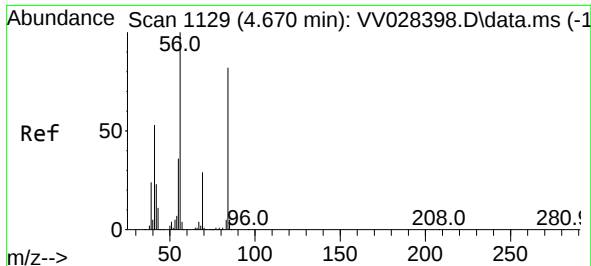
Tgt Ion: 62 Resp: 26085

Ion Ratio Lower Upper

62 100

98 10.2 7.6 11.4





#29

Cyclohexane

Concen: 6.625 ug/L

RT: 4.671 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005264

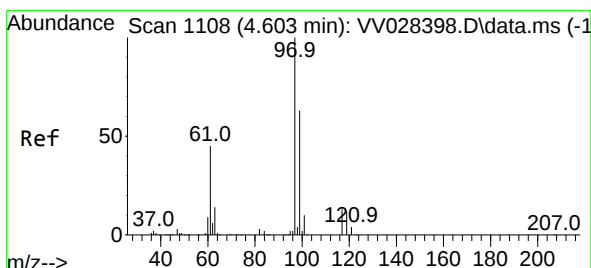
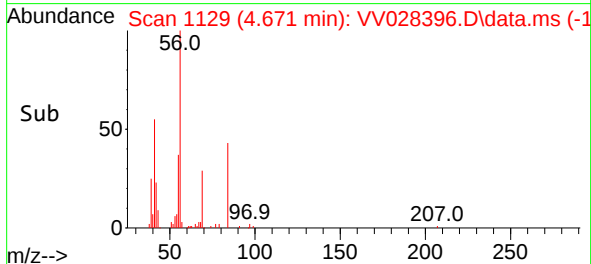
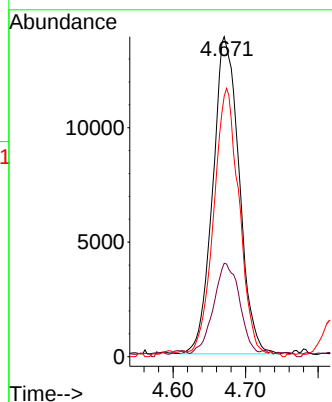
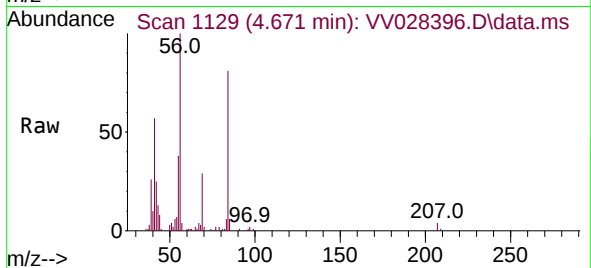
Tgt Ion: 56 Resp: 34892

Ion Ratio Lower Upper

56 100

69 28.8 23.0 34.6

84 80.7 65.8 98.8



#30

1,1,1-Trichloroethane

Concen: 4.826 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.003 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

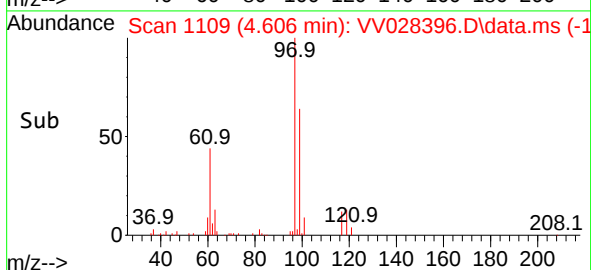
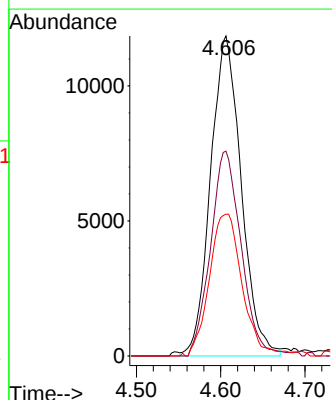
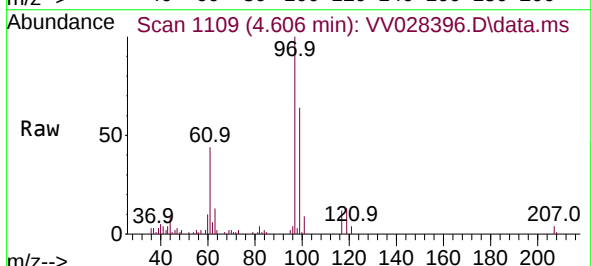
Tgt Ion: 97 Resp: 29982

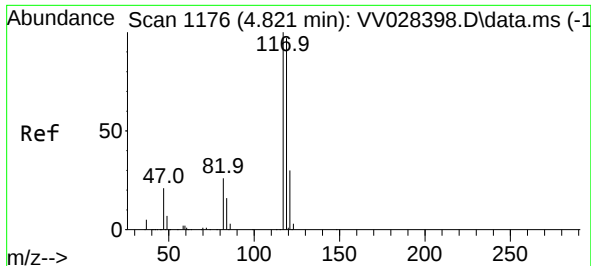
Ion Ratio Lower Upper

97 100

99 63.8 50.2 75.2

61 46.8 35.8 53.6

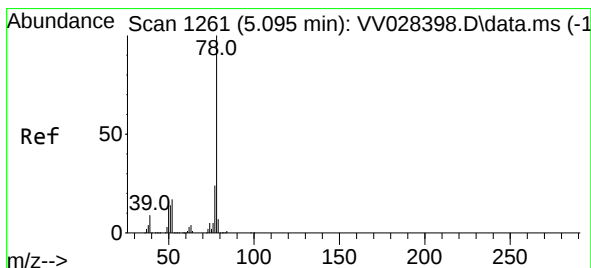
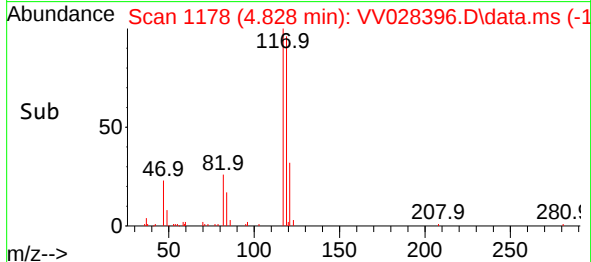
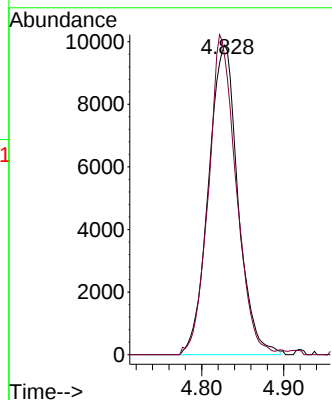
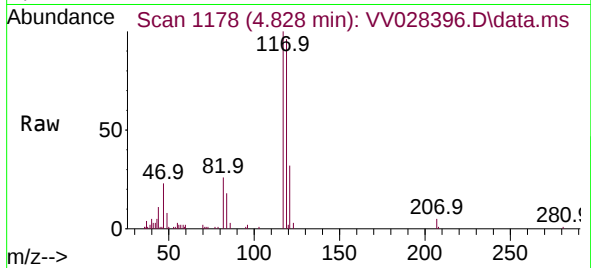




#31
Carbon tetrachloride
Concen: 4.590 ug/L
RT: 4.828 min Scan# 1176
Delta R.T. 0.007 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

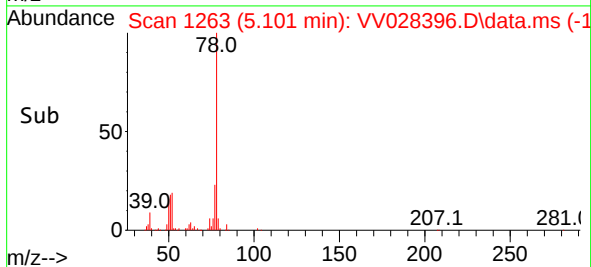
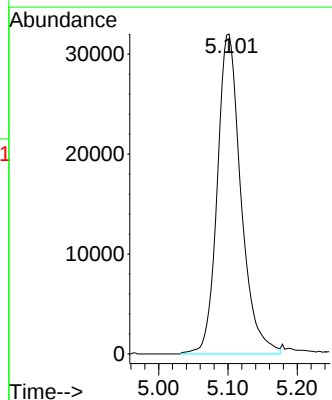
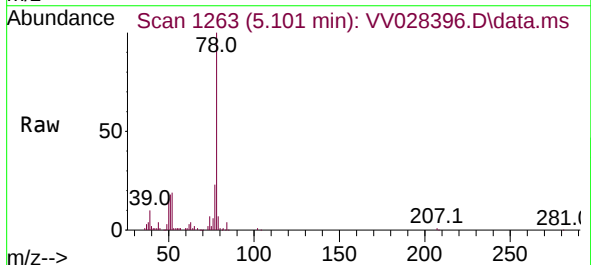
Instrument :
MSVOA_V
ClientSampleId :
VSTD005264

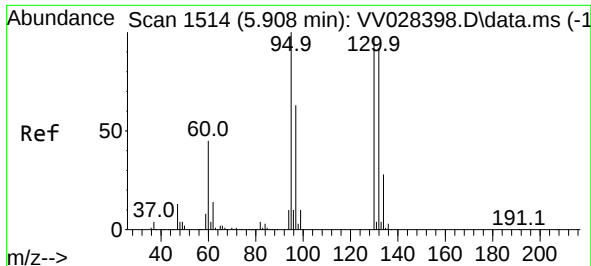
Tgt Ion:117 Resp: 24701
Ion Ratio Lower Upper
117 100
119 96.9 78.0 117.0



#33
Benzene
Concen: 5.055 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.007 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

Tgt Ion: 78 Resp: 76179

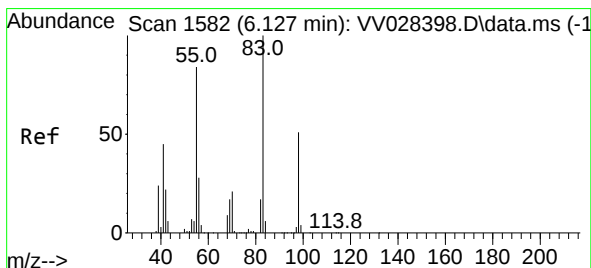
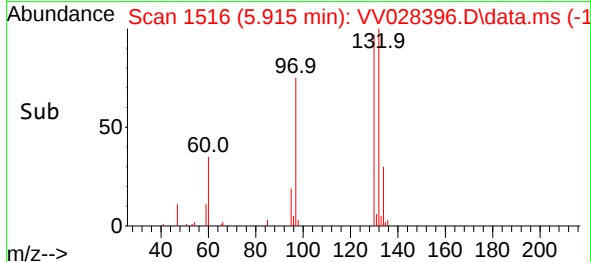
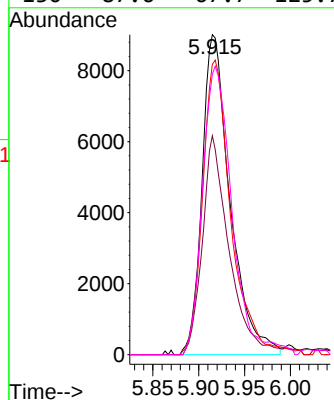
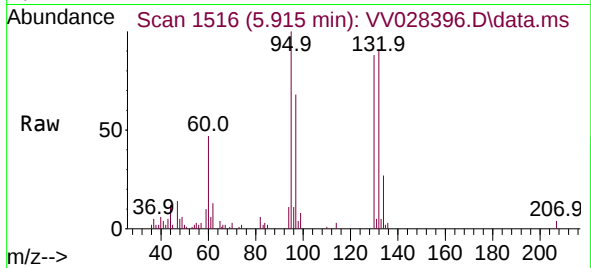




#34
Trichloroethene
Concen: 4.945 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.007 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

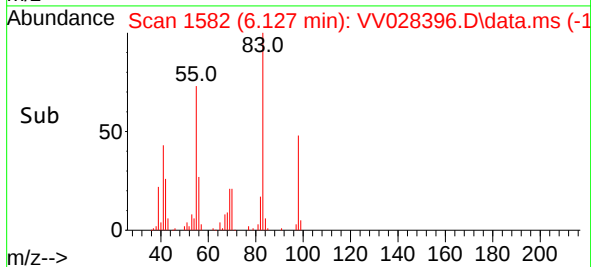
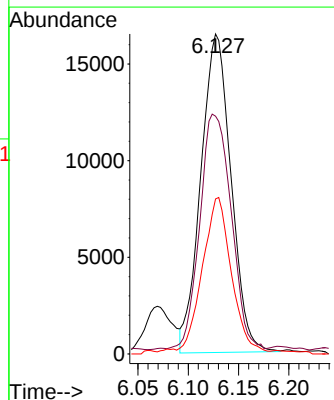
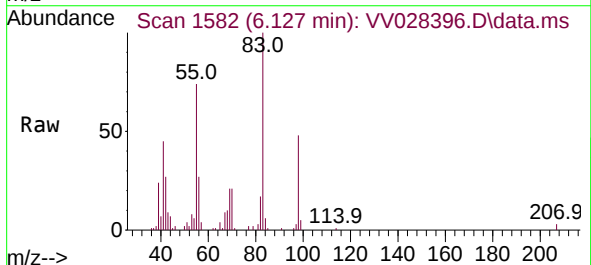
Instrument :
MSVOA_V
ClientSampleId :
VSTD005264

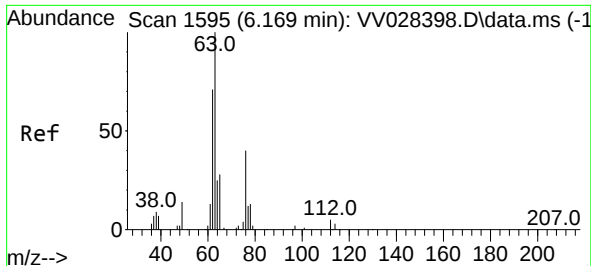
Tgt Ion:	95	Resp:	19200
Ion	Ratio	Lower	Upper
95	100		
97	68.4	44.4	82.4
132	90.8	64.3	119.5
130	87.6	67.7	125.7



#35
Methylcyclohexane
Concen: 5.841 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.000 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

Tgt Ion:	83	Resp:	34414
Ion	Ratio	Lower	Upper
83	100		
55	76.2	63.7	95.5
98	47.5	38.2	57.2





#37

1,2-Dichloropropane

Concen: 4.990 ug/L

RT: 6.175 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

Instrument :

MSVOA_V

ClientSampleId :

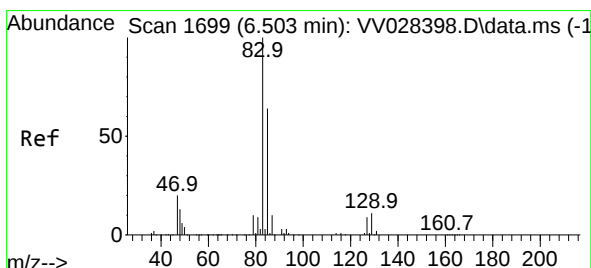
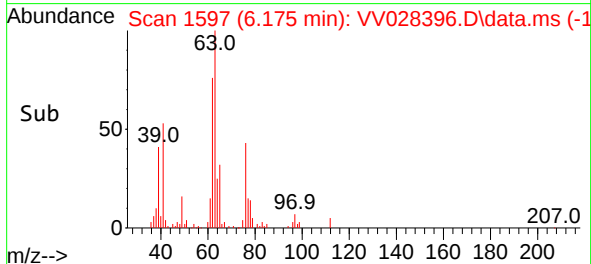
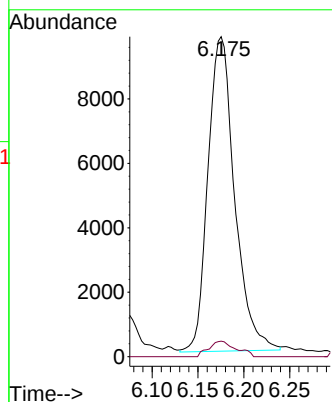
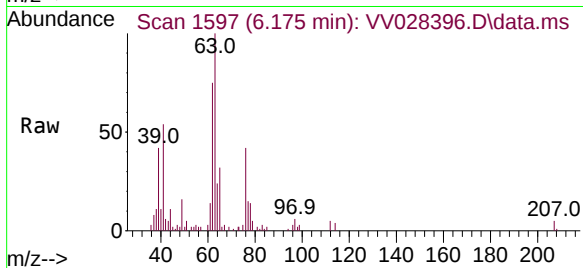
VSTD005264

Tgt Ion: 63 Resp: 19817

Ion Ratio Lower Upper

63 100

112 4.5 3.5 5.3



#38

Bromodichloromethane

Concen: 4.789 ug/L

RT: 6.513 min Scan# 1702

Delta R.T. 0.010 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

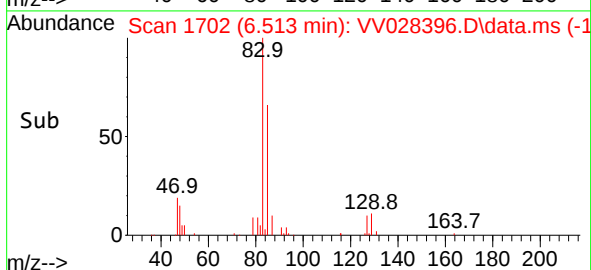
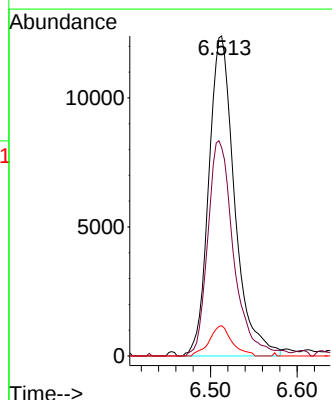
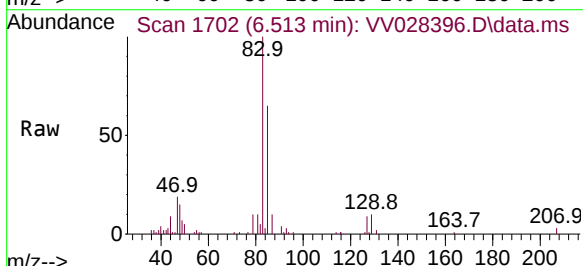
Tgt Ion: 83 Resp: 25687

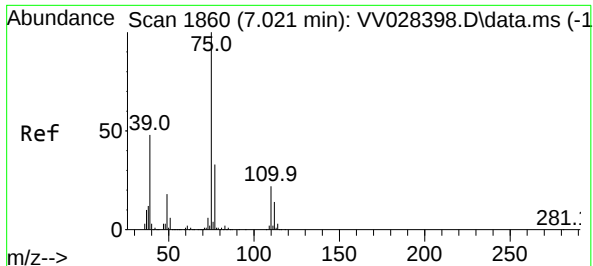
Ion Ratio Lower Upper

83 100

85 65.1 45.1 83.7

127 9.5 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 5.587 ug/L

RT: 7.031 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

Instrument :

MSVOA_V

ClientSampleId :

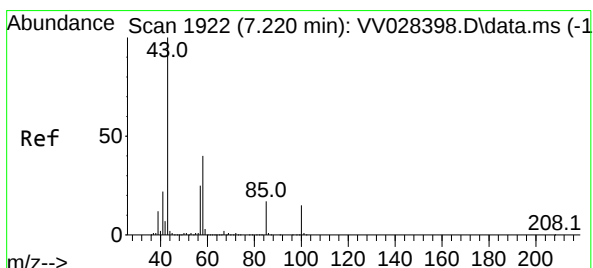
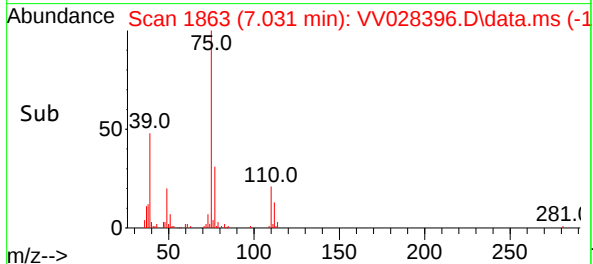
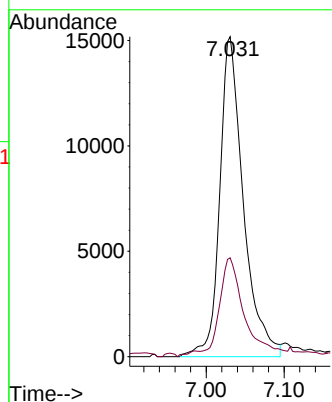
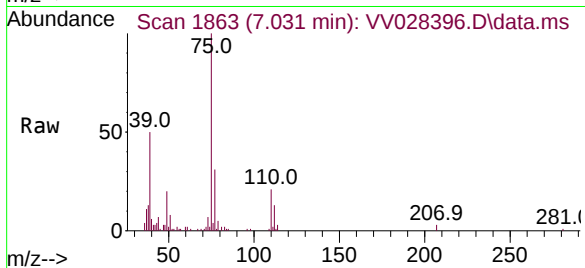
VSTD005264

Tgt Ion: 75 Resp: 32015

Ion Ratio Lower Upper

75 100

77 30.9 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 13.797 ug/L

RT: 7.230 min Scan# 1925

Delta R.T. 0.010 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

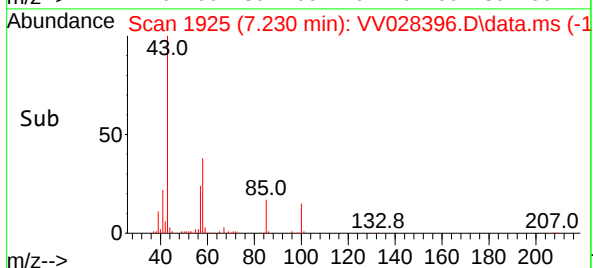
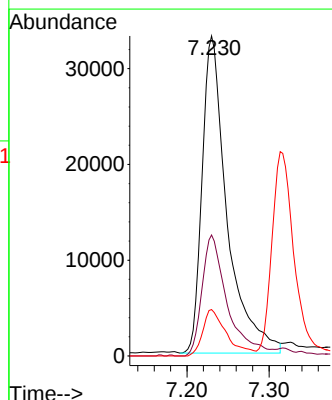
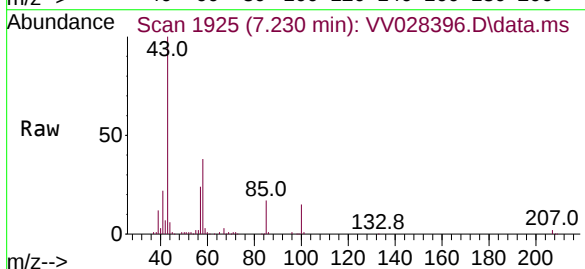
Tgt Ion: 43 Resp: 70100

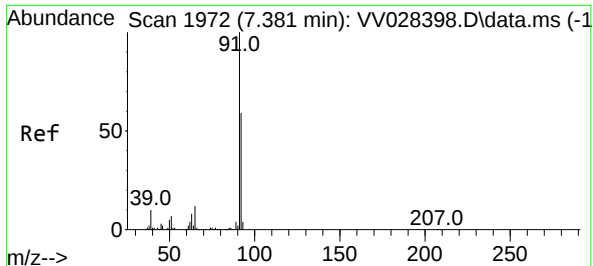
Ion Ratio Lower Upper

43 100

58 38.6 31.3 46.9

100 14.1 11.5 17.3





#42

Toluene

Concen: 5.248 ug/L

RT: 7.387 min Scan# 1972

Delta R.T. 0.007 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

Instrument :

MSVOA_V

ClientSampleId :

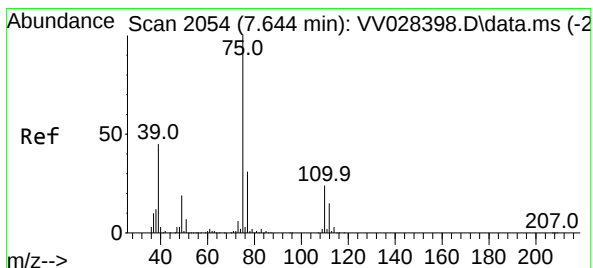
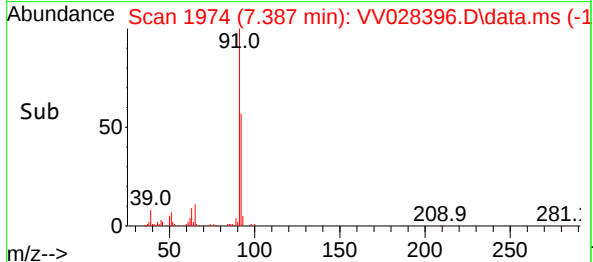
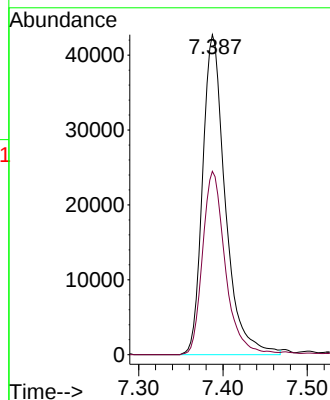
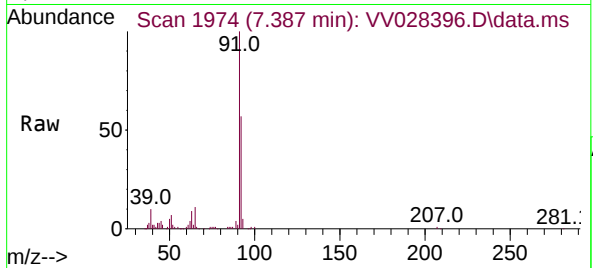
VSTD005264

Tgt Ion: 91 Resp: 80158

Ion Ratio Lower Upper

91 100

92 57.3 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 5.428 ug/L

RT: 7.654 min Scan# 2057

Delta R.T. 0.010 min

Lab File: VV028396.D

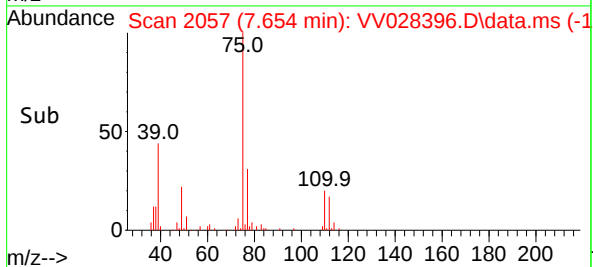
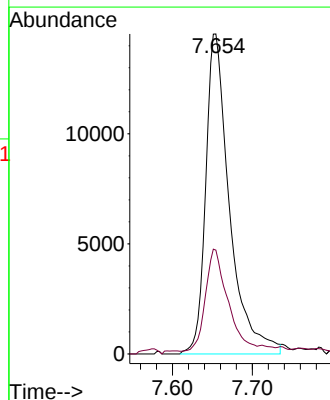
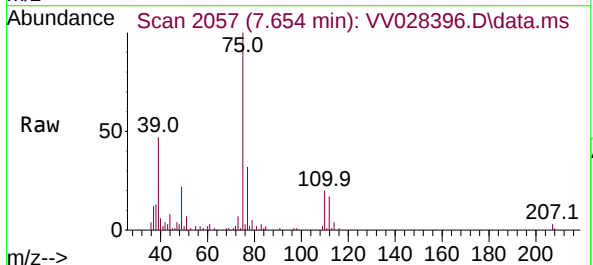
Acq: 07 Oct 2022 10:16

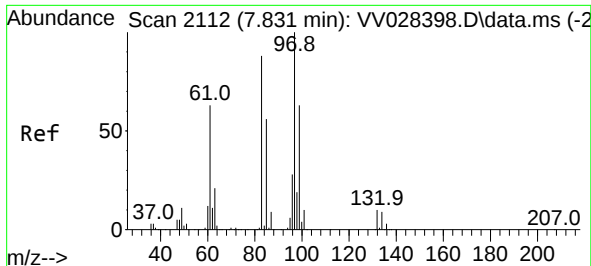
Tgt Ion: 75 Resp: 30139

Ion Ratio Lower Upper

75 100

77 32.5 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 4.732 ug/L

RT: 7.838 min Scan# 2112

Delta R.T. 0.007 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005264

Tgt Ion: 97 Resp: 19444

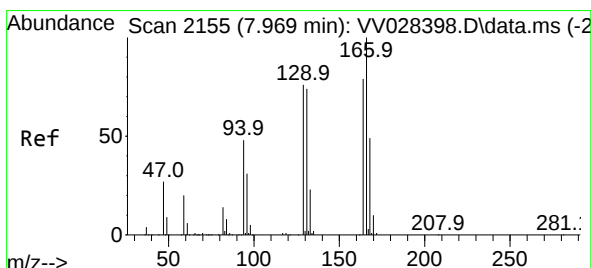
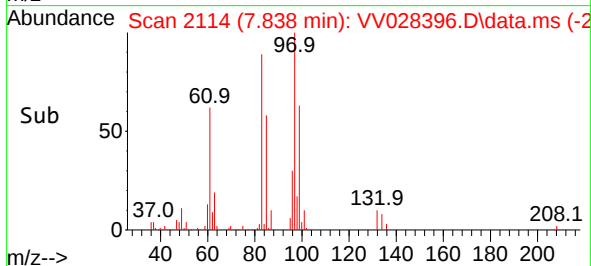
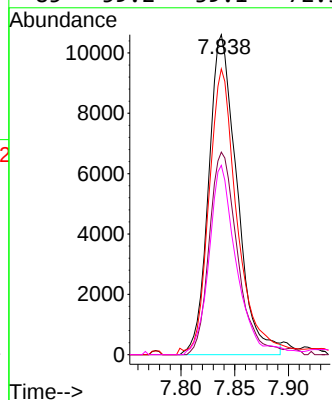
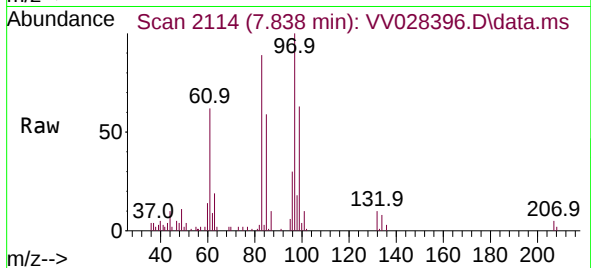
Ion Ratio Lower Upper

97 100

99 63.3 43.9 81.5

83 89.3 61.9 114.9

85 59.2 39.1 72.5



#46

Tetrachloroethene

Concen: 4.419 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.003 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

Tgt Ion:164 Resp: 13153

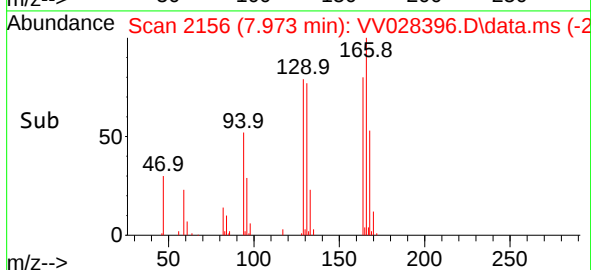
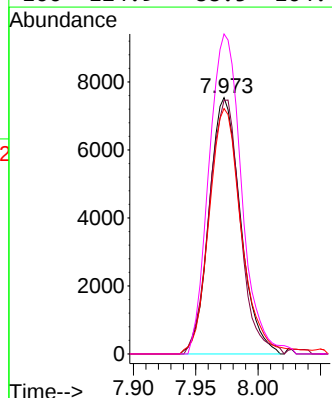
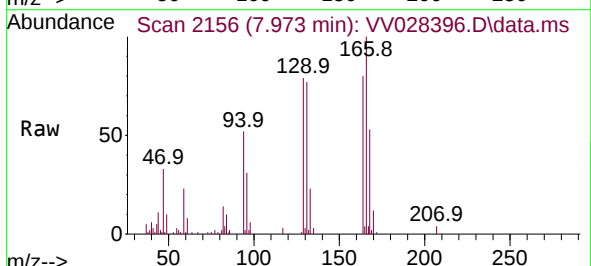
Ion Ratio Lower Upper

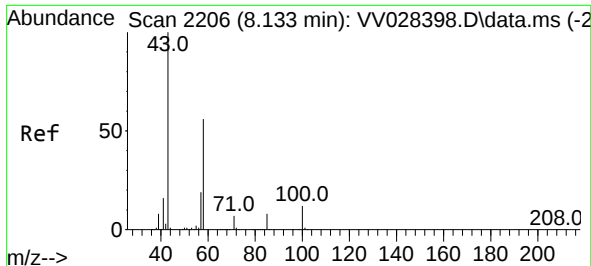
164 100

129 99.0 67.4 125.2

131 95.8 65.2 121.2

166 124.9 88.5 164.4





#48

2-Hexanone

Concen: 13.019 ug/L

RT: 8.143 min Scan# 21

Delta R.T. 0.010 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005264

Tgt Ion: 43 Resp: 50544

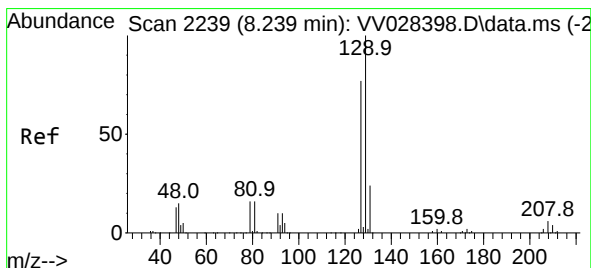
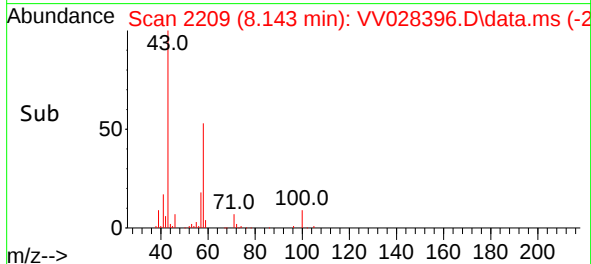
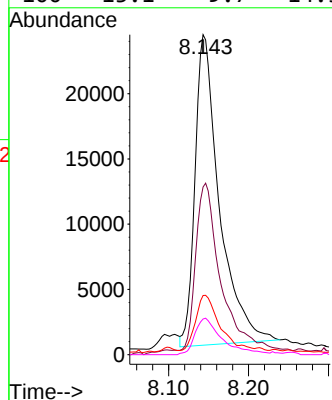
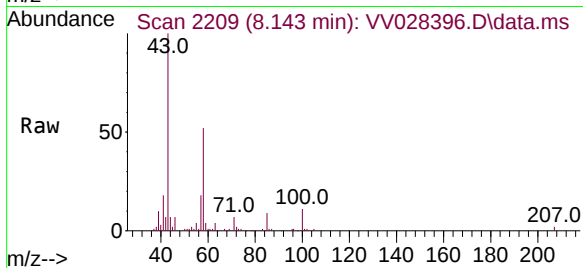
Ion Ratio Lower Upper

43 100

58 53.0 43.9 65.9

57 16.7 15.1 22.7

100 13.1 9.7 14.5



#49

Dibromochloromethane

Concen: 4.671 ug/L

RT: 8.243 min Scan# 2240

Delta R.T. 0.003 min

Lab File: VV028396.D

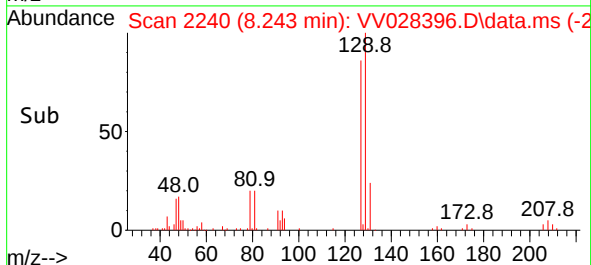
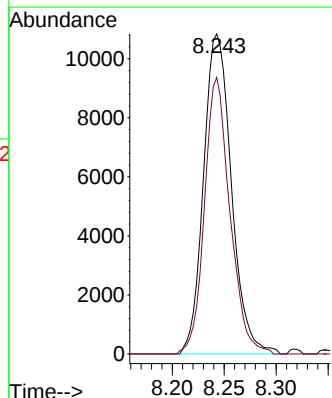
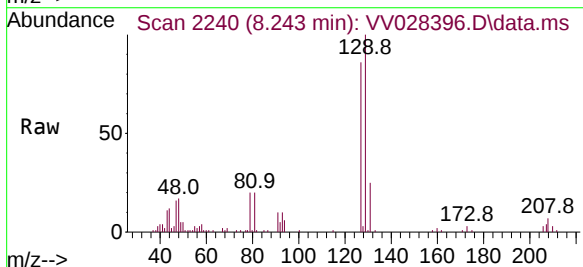
Acq: 07 Oct 2022 10:16

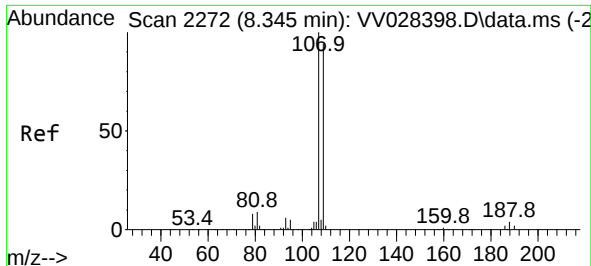
Tgt Ion: 129 Resp: 20252

Ion Ratio Lower Upper

129 100

127 86.4 53.6 99.6





#50

1,2-Dibromoethane

Concen: 4.574 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.007 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005264

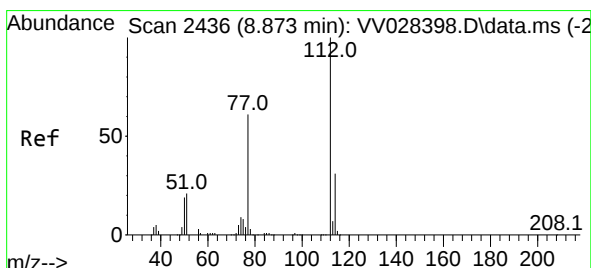
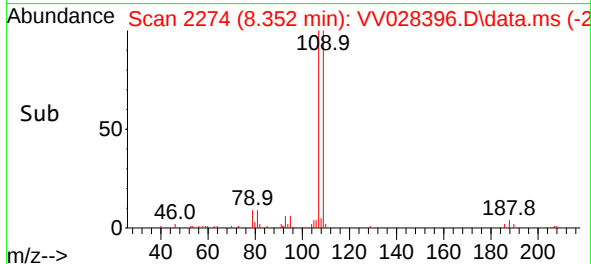
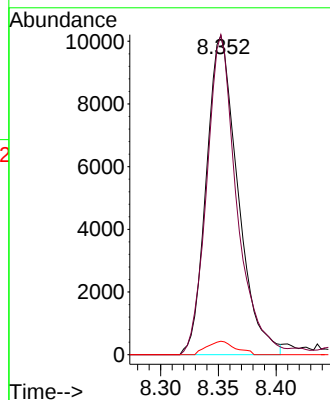
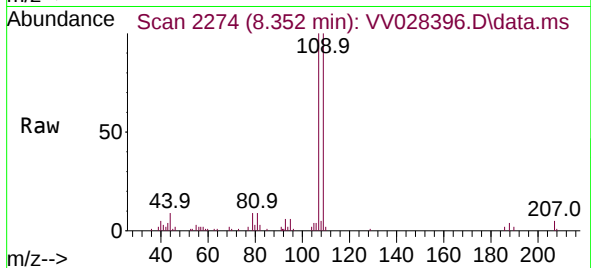
Tgt Ion:107 Resp: 19311

Ion Ratio Lower Upper

107 100

109 100.3 65.9 122.5

188 4.2 3.0 4.4



#51

Chlorobenzene

Concen: 4.650 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.007 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

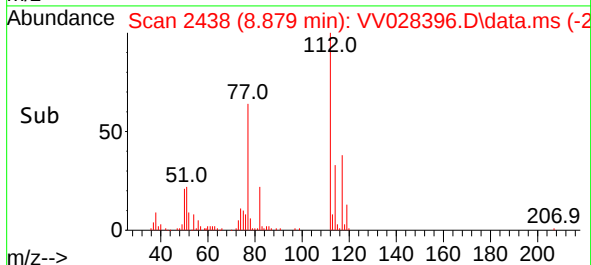
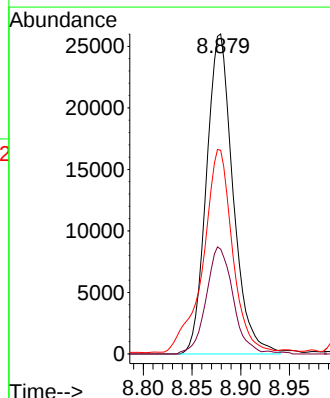
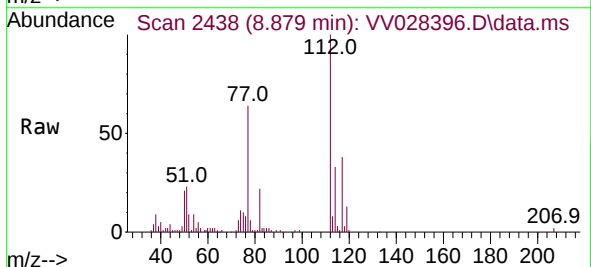
Tgt Ion:112 Resp: 49358

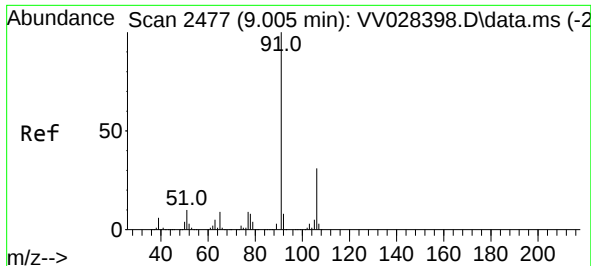
Ion Ratio Lower Upper

112 100

114 32.7 21.7 40.3

77 63.7 48.7 73.1

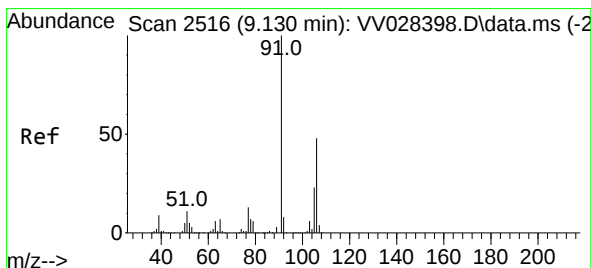
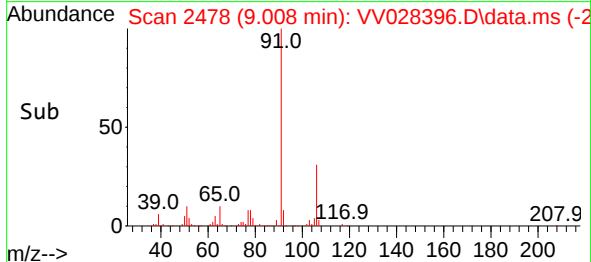
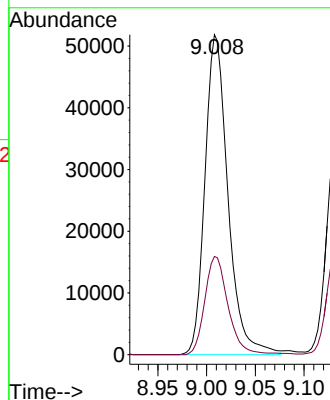
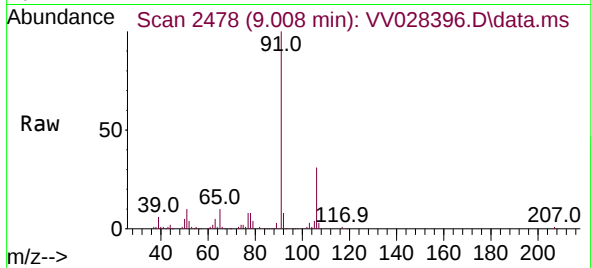




#52
Ethylbenzene
Concen: 5.284 ug/L
RT: 9.008 min Scan# 2477
Delta R.T. 0.003 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

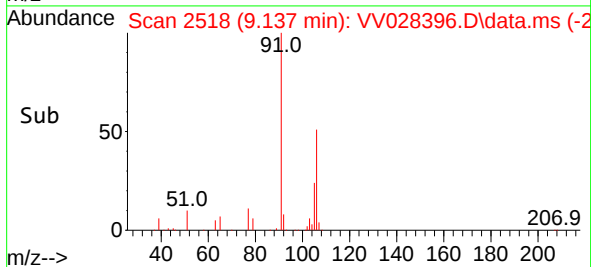
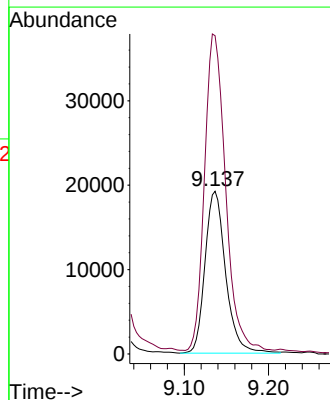
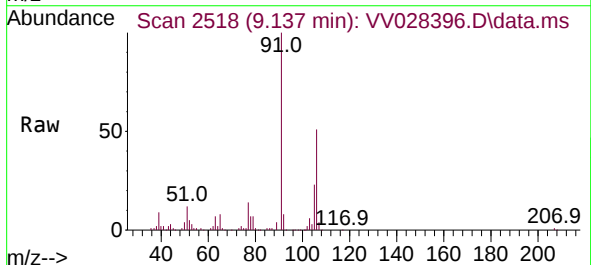
Instrument :
MSVOA_V
ClientSampleId :
VSTD005264

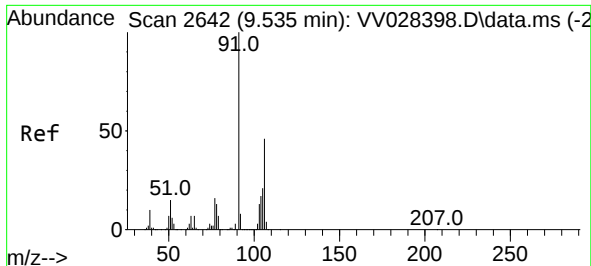
Tgt Ion: 91 Resp: 85206
Ion Ratio Lower Upper
91 100
106 30.7 21.4 39.8



#53
m,p-Xylene
Concen: 5.260 ug/L
RT: 9.137 min Scan# 2518
Delta R.T. 0.007 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

Tgt Ion:106 Resp: 32720
Ion Ratio Lower Upper
106 100
91 195.6 145.2 269.6

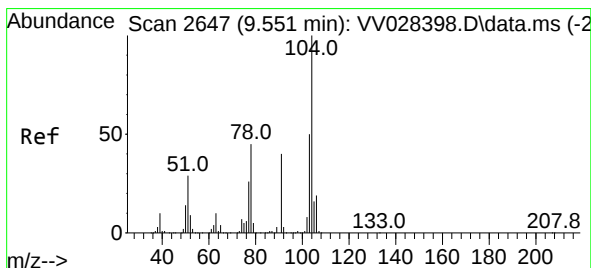
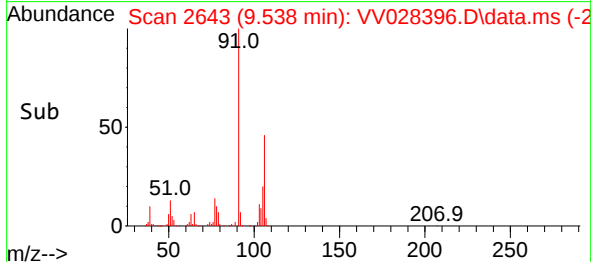
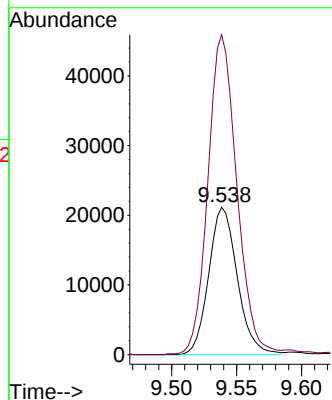
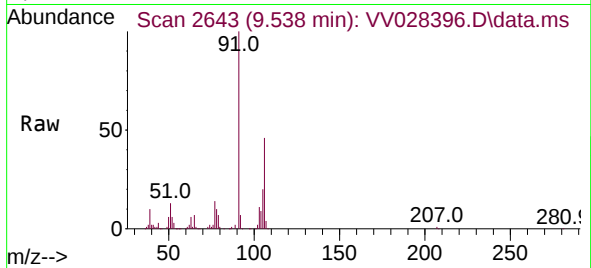




#54
o-Xylene
Concen: 5.319 ug/L
RT: 9.538 min Scan# 2642
Delta R.T. 0.003 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

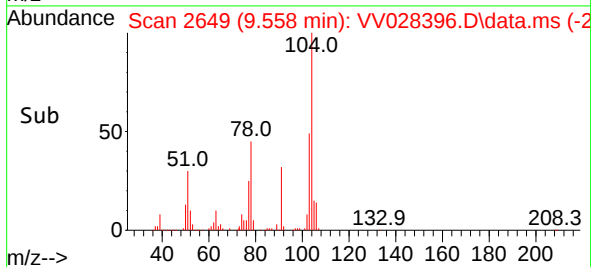
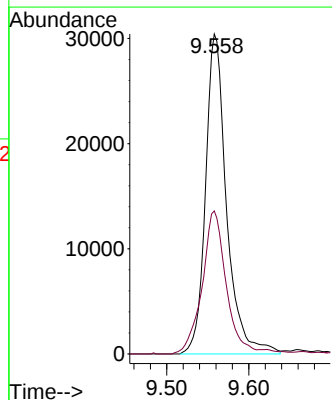
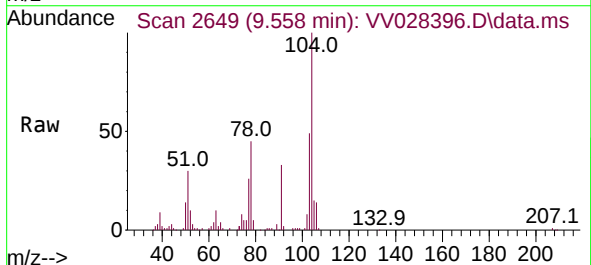
Instrument :
MSVOA_V
ClientSampleId :
VSTD005264

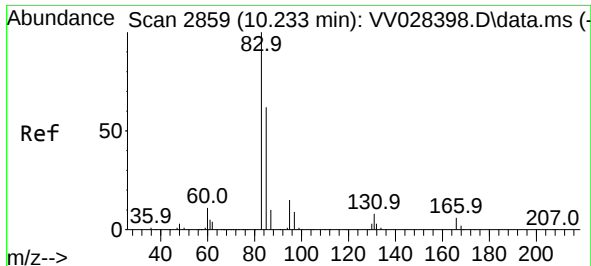
Tgt Ion:106 Resp: 32369
Ion Ratio Lower Upper
106 100
91 216.8 152.5 283.3



#55
Styrene
Concen: 5.140 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.007 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

Tgt Ion:104 Resp: 54171
Ion Ratio Lower Upper
104 100
78 44.7 31.9 59.2





#57

1,1,2-Tetrachloroethane

Concen: 4.986 ug/L

RT: 10.236 min Scan# 2859

Delta R.T. 0.003 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005264

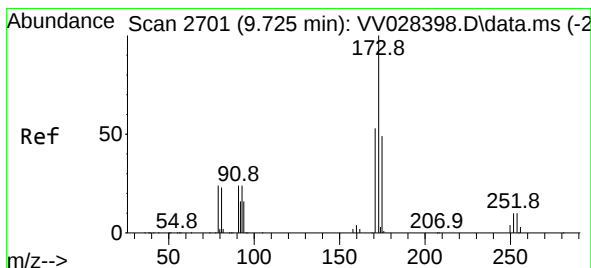
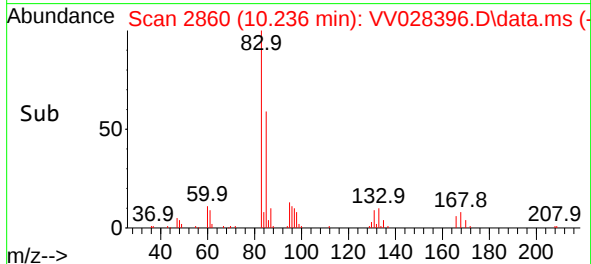
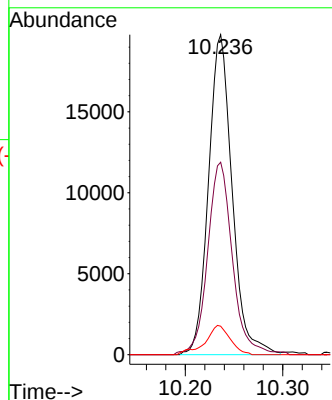
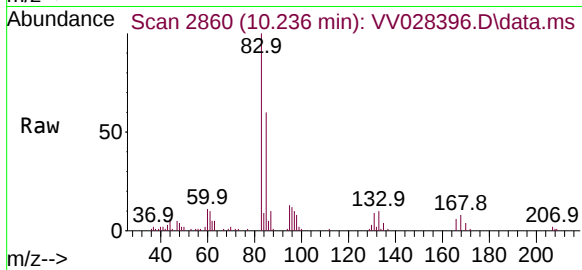
Tgt Ion: 83 Resp: 33353

Ion Ratio Lower Upper

83 100

85 60.2 44.8 83.2

131 8.9 7.2 10.8



#59

Bromoform

Concen: 5.328 ug/L

RT: 9.725 min Scan# 2701

Delta R.T. 0.000 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

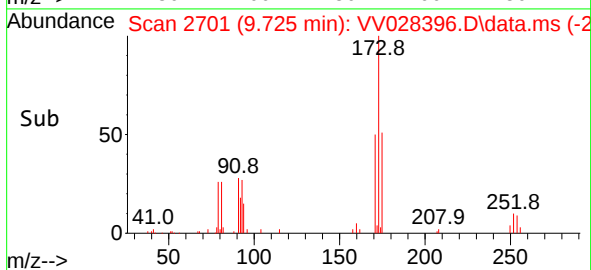
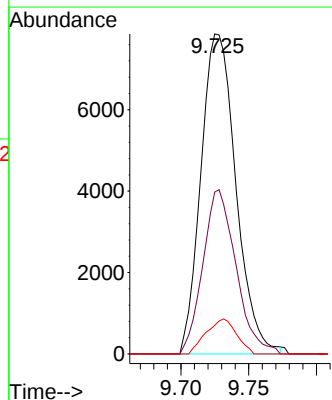
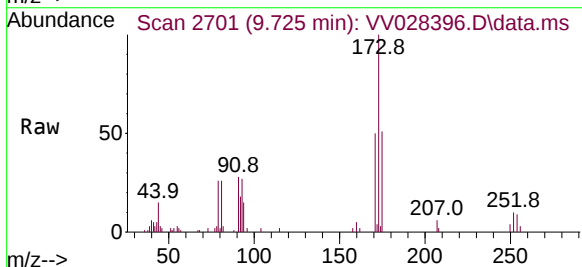
Tgt Ion: 173 Resp: 14116

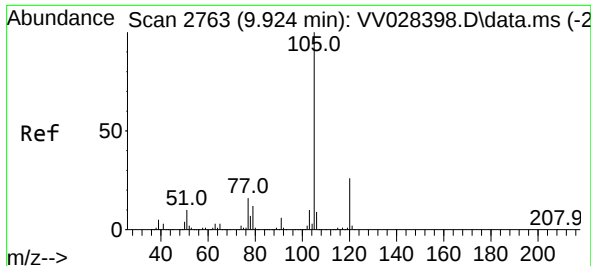
Ion Ratio Lower Upper

173 100

175 48.6 38.6 57.8

254 9.5 8.4 12.6

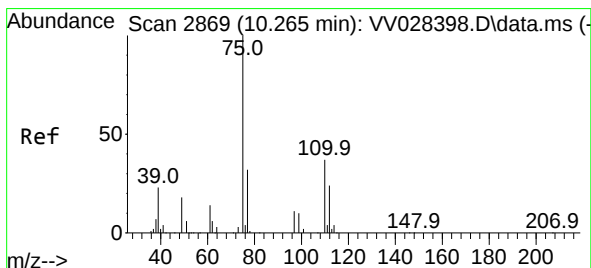
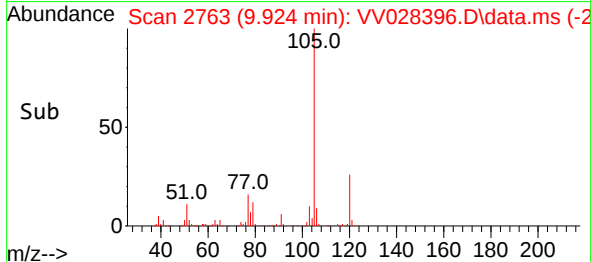
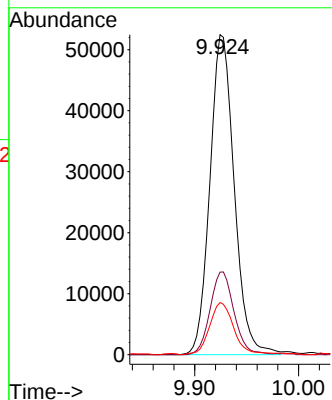
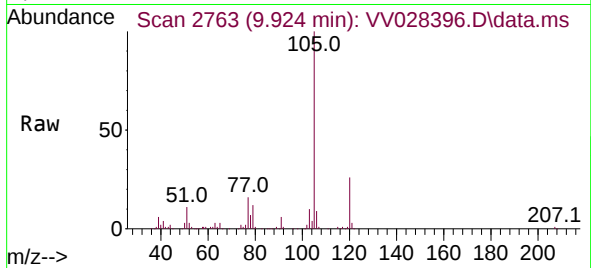




#60
Isopropylbenzene
Concen: 6.052 ug/L
RT: 9.924 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

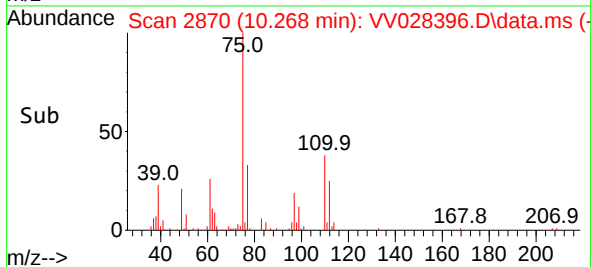
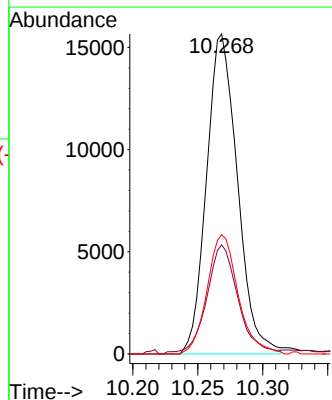
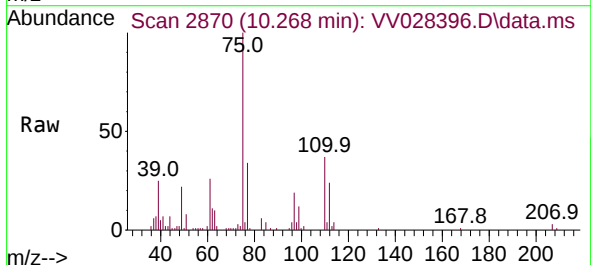
Instrument :
MSVOA_V
ClientSampleId :
VSTD005264

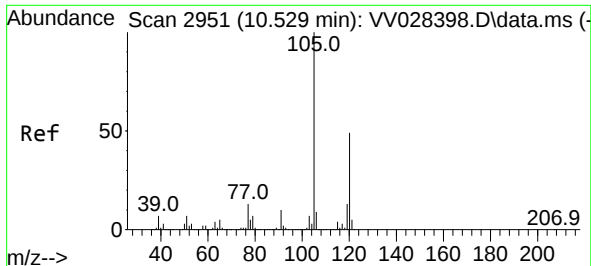
Tgt Ion:105 Resp: 85431
Ion Ratio Lower Upper
105 100
120 25.3 20.5 30.7
77 16.2 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 5.519 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. 0.003 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

Tgt Ion: 75 Resp: 25887
Ion Ratio Lower Upper
75 100
77 32.9 25.7 38.5
110 37.3 30.0 45.0

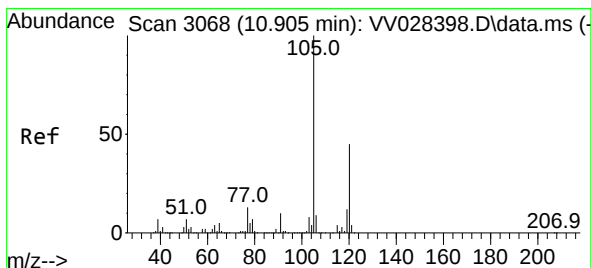
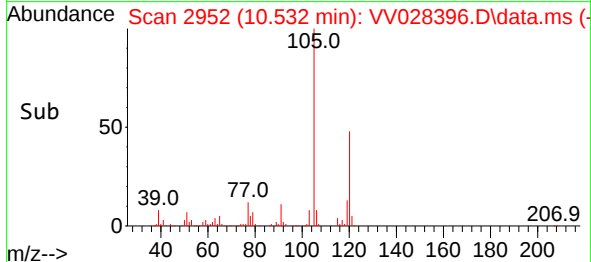
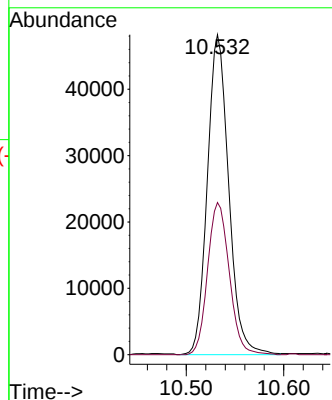
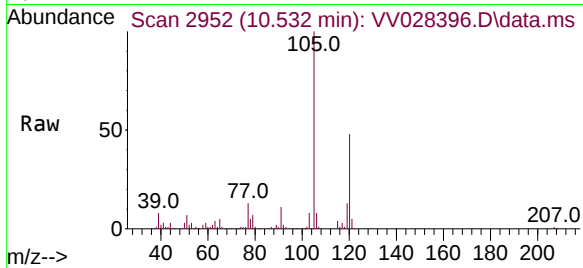




#62
1,3,5-Trimethylbenzene
Concen: 6.283 ug/L
RT: 10.532 min Scan# 2951
Delta R.T. 0.003 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

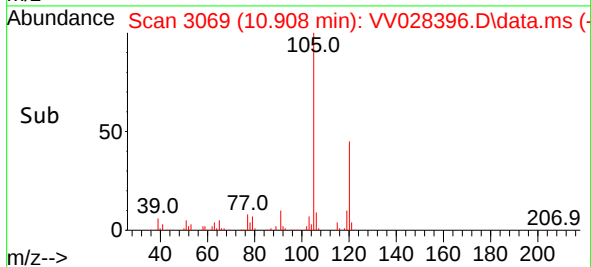
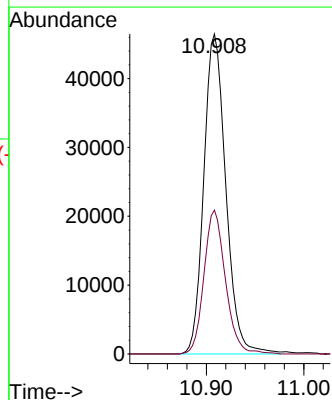
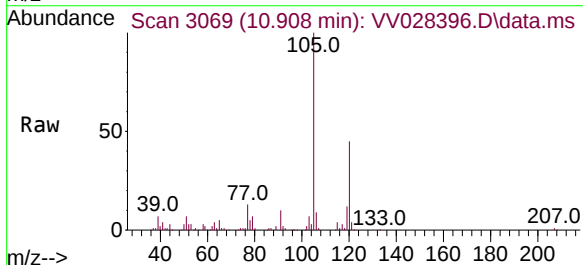
Instrument :
MSVOA_V
ClientSampleId :
VSTD005264

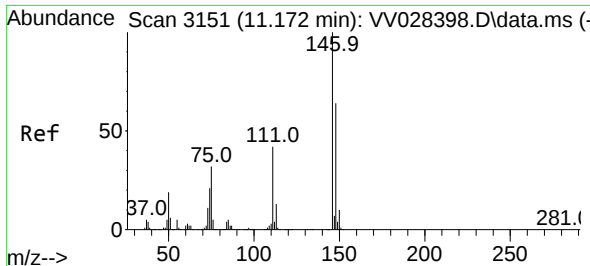
Tgt Ion:105 Resp: 73318
Ion Ratio Lower Upper
105 100
120 48.2 39.1 58.7



#63
1,2,4-Trimethylbenzene
Concen: 6.292 ug/L
RT: 10.908 min Scan# 3069
Delta R.T. 0.003 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

Tgt Ion:105 Resp: 73094
Ion Ratio Lower Upper
105 100
120 43.4 35.9 53.9

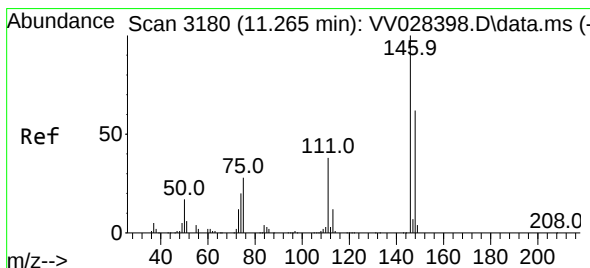
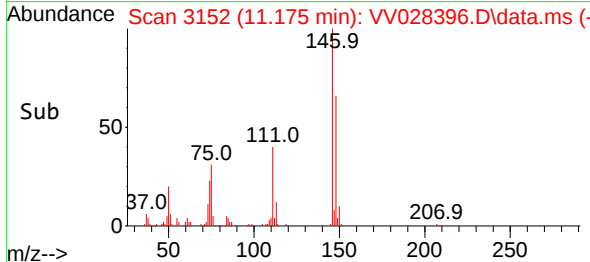
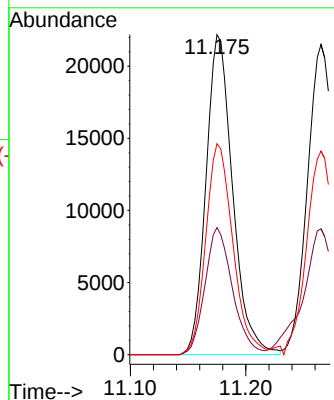
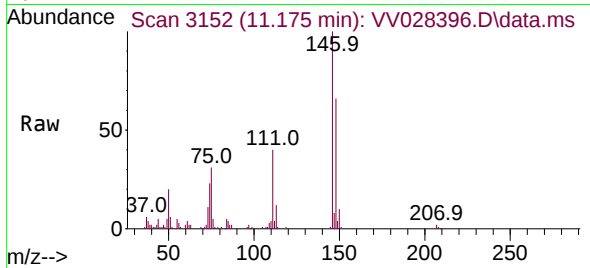




#64
1,3-Dichlorobenzene
Concen: 5.089 ug/L
RT: 11.175 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

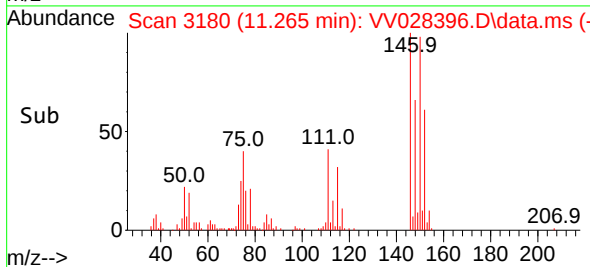
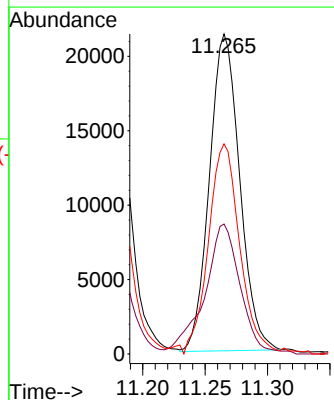
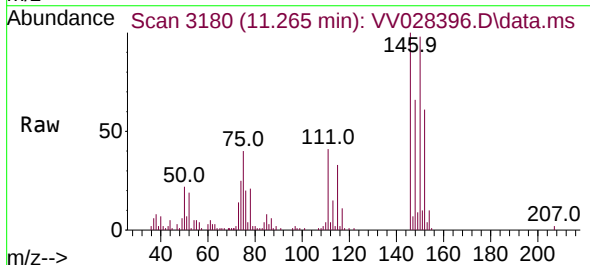
Instrument :
MSVOA_V
ClientSampleId :
VSTD005264

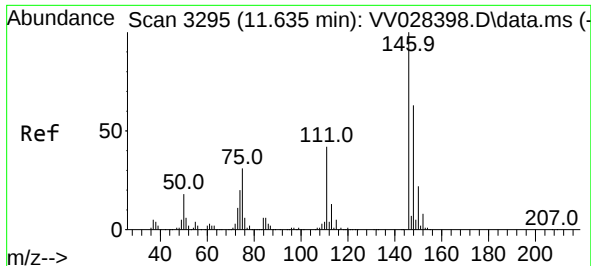
Tgt Ion:146 Resp: 35617
Ion Ratio Lower Upper
146 100
111 39.7 29.0 53.9
148 66.0 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 4.881 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

Tgt Ion:146 Resp: 36003
Ion Ratio Lower Upper
146 100
111 40.6 26.6 49.4
148 65.6 43.4 80.6

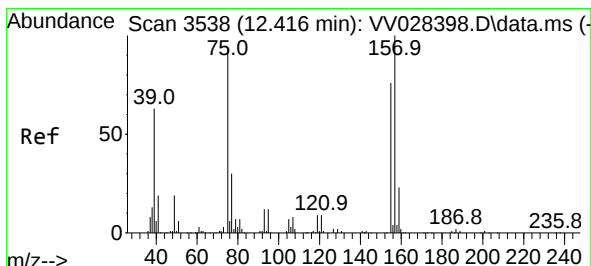
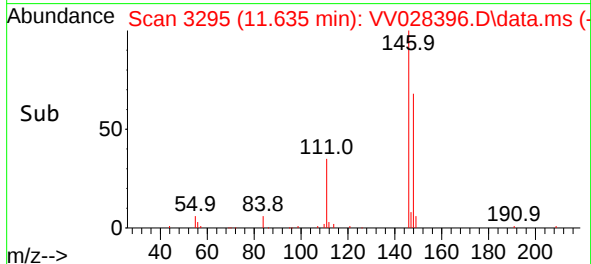
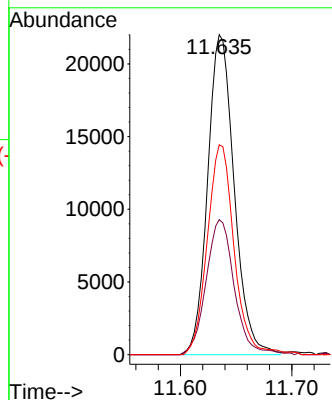
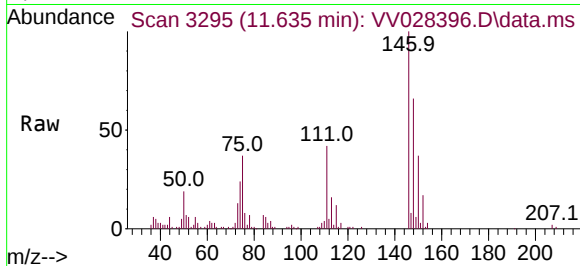




#67
1,2-Dichlorobenzene
Concen: 5.085 ug/L
RT: 11.635 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

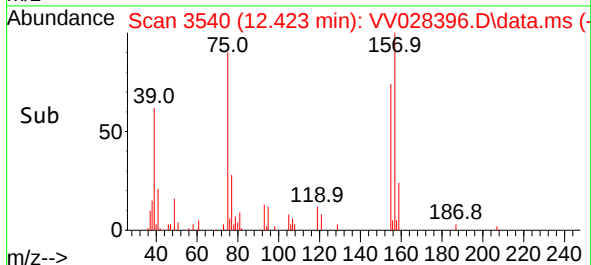
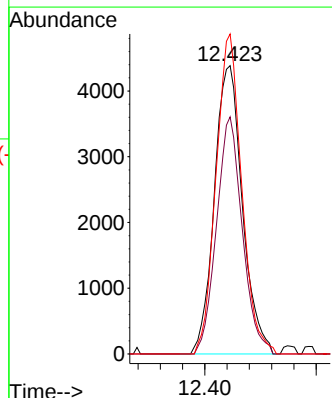
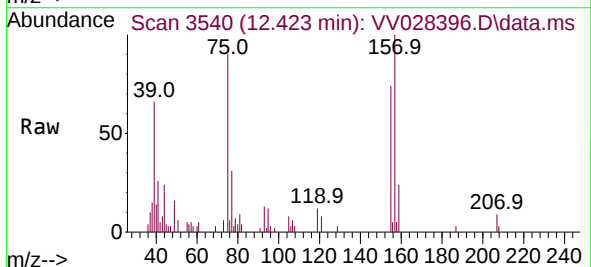
Instrument :
MSVOA_V
ClientSampleId :
VSTD005264

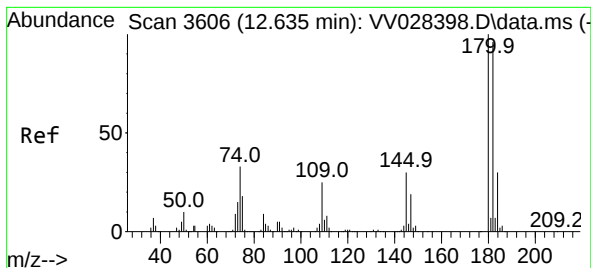
Tgt Ion:146 Resp: 36475
Ion Ratio Lower Upper
146 100
111 42.2 33.9 50.9
148 65.6 50.6 75.8



#68
1,2-Dibromo-3-chloropropane
Concen: 5.939 ug/L
RT: 12.423 min Scan# 3540
Delta R.T. 0.007 min
Lab File: VV028396.D
Acq: 07 Oct 2022 10:16

Tgt Ion: 75 Resp: 7671
Ion Ratio Lower Upper
75 100
155 82.2 65.0 97.6
157 116.2 86.0 129.0





#69

1,3,5-Trichlorobenzene

Concen: 5.354 ug/L

RT: 12.638 min Scan# 3606

Delta R.T. 0.003 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005264

Tgt Ion:180 Resp: 27137

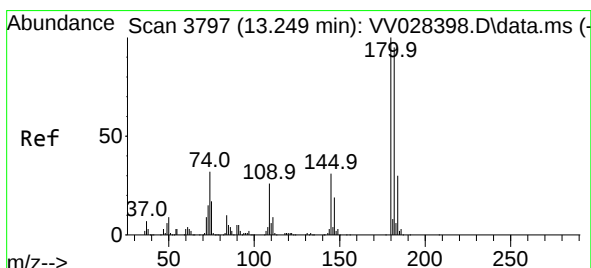
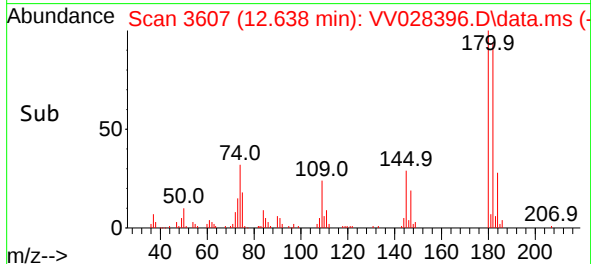
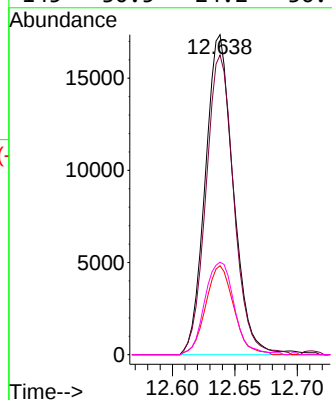
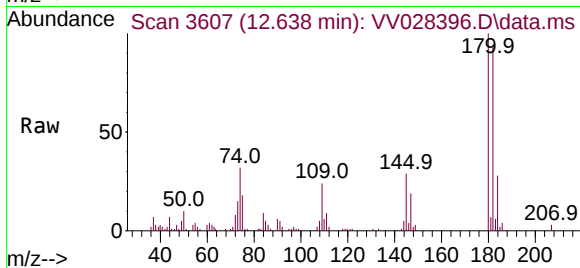
Ion Ratio Lower Upper

180 100

182 93.6 75.9 113.9

184 27.8 24.0 36.0

145 30.5 24.2 36.4



#70

1,2,4-trichlorobenzene

Concen: 5.089 ug/L

RT: 13.252 min Scan# 3798

Delta R.T. 0.003 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

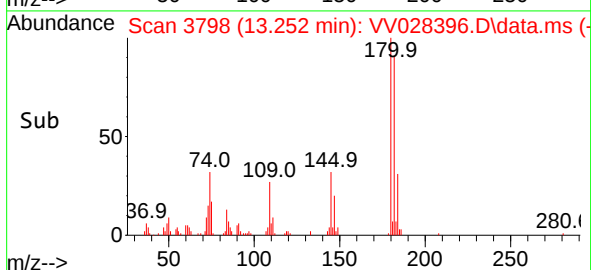
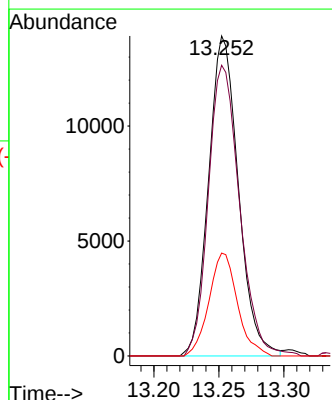
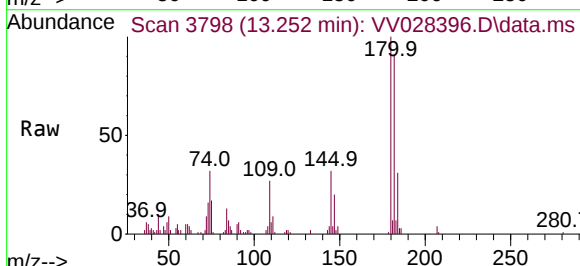
Tgt Ion:180 Resp: 22166

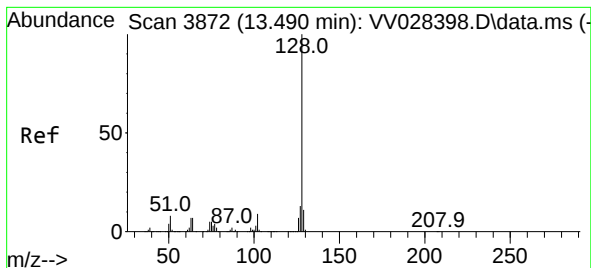
Ion Ratio Lower Upper

180 100

182 94.9 75.3 112.9

145 30.7 24.3 36.5





#71

Naphthalene

Concen: 4.893 ug/L

RT: 13.493 min Scan# 3872

Delta R.T. 0.003 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005264

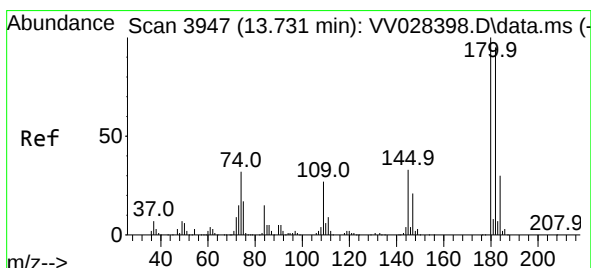
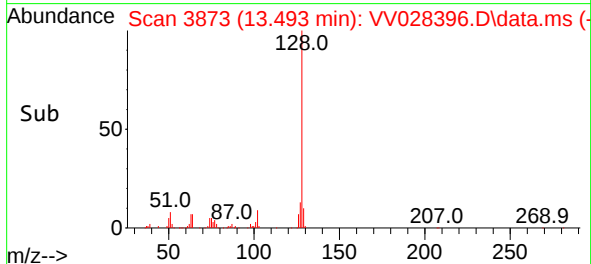
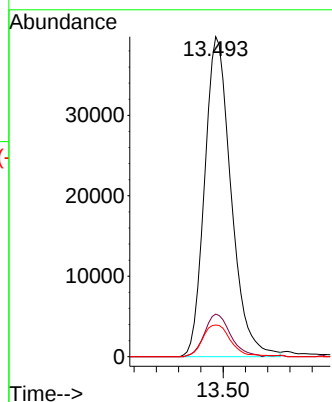
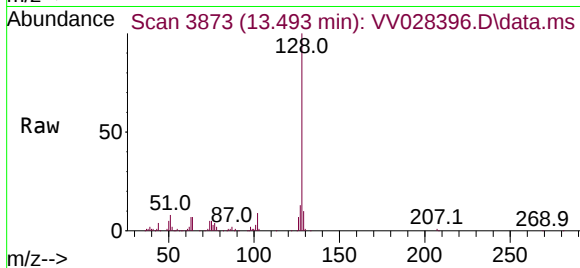
Tgt Ion:128 Resp: 65648

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 10.5 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 4.784 ug/L

RT: 13.734 min Scan# 3948

Delta R.T. 0.003 min

Lab File: VV028396.D

Acq: 07 Oct 2022 10:16

Tgt Ion:180 Resp: 21103

Ion Ratio Lower Upper

180 100

182 97.4 75.4 113.0

145 31.4 26.5 39.7

