

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120222\
 Data File : VW029392.D
 Acq On : 02 Dec 2022 14:40
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005375

Quant Time: Dec 02 21:19:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 02 21:17:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	252070	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	230728	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	121118	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	65730	4.237	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.800%
7) Chloroethane-d5	1.564	69	53774	4.736	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.800%
11) 1,1-Dichloroethene-d2	2.108	63	113731	4.582	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.600%
20) 2-Butanone-d5	3.902	46	155178	59.798	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.600%
24) Chloroform-d	4.342	84	147768	5.337	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.800%
26) 1,2-Dichloroethane-d4	5.027	65	63299	5.196	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.000%
32) Benzene-d6	5.043	84	298967	4.688	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
36) 1,2-Dichloropropane-d6	6.066	67	89654	5.003	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.000%
41) Toluene-d8	7.310	98	278864	4.633	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
43) trans-1,3-Dichloroprop...	7.616	79	33208	4.807	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.200%
46) 2-Hexanone-d5	8.085	63	144867	58.829	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.660%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	66756	6.038	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.800%#
66) 1,2-Dichlorobenzene-d4	11.612	152	103985	4.915	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	88367	4.698	ug/L	100
3) Chloromethane	1.240	50	96072	5.575	ug/L	99
5) Vinyl chloride	1.307	62	89521	5.213	ug/L	98
6) Bromomethane	1.519	94	42521	3.968	ug/L	99
8) Chloroethane	1.584	64	52951	5.188	ug/L	97
9) Trichlorofluoromethane	1.751	101	120865	5.028	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	65956	4.921	ug/L	99
12) 1,1-Dichloroethene	2.114	96	67232	5.187	ug/L	97
13) Acetone	2.198	43	82668	43.813	ug/L	83
14) Carbon disulfide	2.291	76	210673	5.594	ug/L	100
15) Methyl Acetate	2.442	43	23008	4.243	ug/L	93
16) Methylene chloride	2.503	84	85062	4.295	ug/L	98
17) Methyl tert-butyl Ether	2.767	73	174381	5.262	ug/L	100
18) trans-1,2-Dichloroethene	2.757	96	80905	5.439	ug/L	98
19) 1,1-Dichloroethane	3.185	63	142690	5.330	ug/L	98
21) 2-Butanone	3.986	43	147789	50.033	ug/L	99
22) cis-1,2-Dichloroethene	3.905	96	89781	5.277	ug/L	97
23) Bromochloromethane	4.243	128	36685	5.383	ug/L	96
25) Chloroform	4.368	83	151458	5.418	ug/L	100

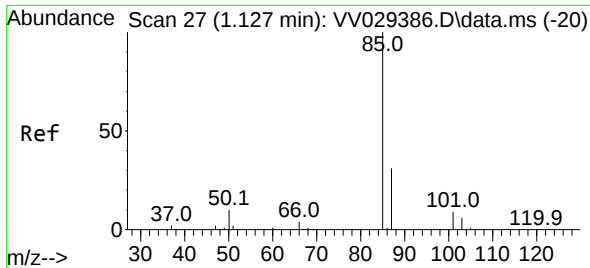
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	80040	5.285	ug/L	99
29) 1,1,1-Trichloroethane	4.600	97	134096	5.053	ug/L	98
30) Cyclohexane	4.670	56	126568	4.825	ug/L	98
31) Carbon tetrachloride	4.822	117	112052	4.993	ug/L	98
33) Benzene	5.095	78	344914	4.998	ug/L	100
34) Trichloroethene	5.908	95	85547	4.859	ug/L	95
35) Methylcyclohexane	6.124	83	135805	4.570	ug/L	98
37) 1,2-Dichloropropane	6.166	63	82602	5.081	ug/L	99
38) Bromodichloromethane	6.503	83	105785	5.436	ug/L	97
39) cis-1,3-Dichloropropene	7.024	75	111319	4.685	ug/L	98
40) 4-Methyl-2-pentanone	7.223	43	387474	50.938	ug/L	99
42) Toluene	7.381	91	372256	5.026	ug/L	99
44) trans-1,3-Dichloropropene	7.645	75	89219	4.740	ug/L	99
45) 1,1,2-Trichloroethane	7.831	97	57317	5.208	ug/L	97
47) Tetrachloroethene	7.969	164	70019	4.852	ug/L	96
48) 2-Hexanone	8.137	43	263514	49.692	ug/L	96
49) Dibromochloromethane	8.239	129	69802	5.638	ug/L	96
50) 1,2-Dibromoethane	8.346	107	51266	5.338	ug/L	96
51) Chlorobenzene	8.873	112	234989	5.076	ug/L	99
52) Ethylbenzene	9.005	91	399285	5.171	ug/L	98
53) m,p-Xylene	9.130	106	154442	5.071	ug/L	98
54) o-Xylene	9.535	106	152510	5.098	ug/L	99
55) Styrene	9.555	104	263829	5.224	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.233	83	66184	5.812	ug/L	99
59) Bromoform	9.722	173	40179	6.314	ug/L	97
60) Isopropylbenzene	9.921	105	406097	5.186	ug/L	99
61) 1,2,3-Trichloropropane	10.265	75	45135	5.373	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	348608	5.142	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	348208	5.106	ug/L	100
64) 1,3-Dichlorobenzene	11.172	146	192204	5.261	ug/L	100
65) 1,4-Dichlorobenzene	11.262	146	188734	5.222	ug/L	100
67) 1,2-Dichlorobenzene	11.632	146	169571	5.038	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.416	75	10154	6.155	ug/L	99
69) 1,3,5-Trichlorobenzene	12.632	180	148519	4.934	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	122534	5.024	ug/L	99
71) Naphthalene	13.493	128	114768	5.436	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	101539	5.114	ug/L	99

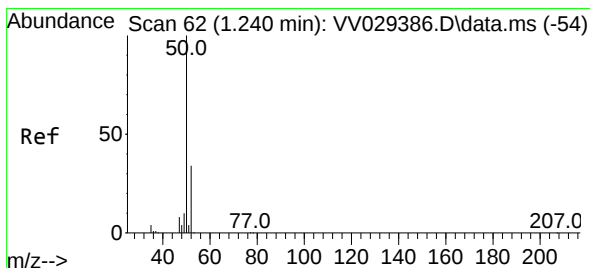
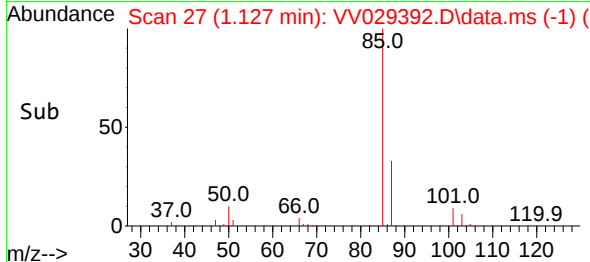
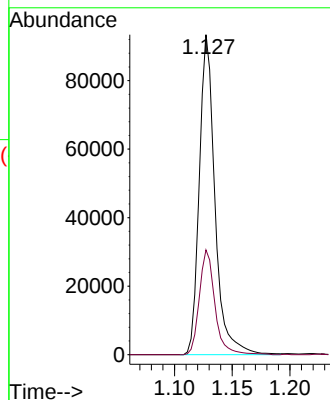
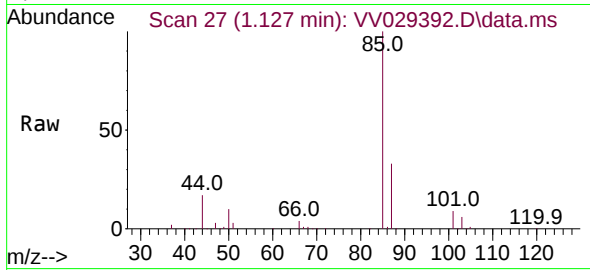
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.698 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029392.D
 Acq: 02 Dec 2022 14:40

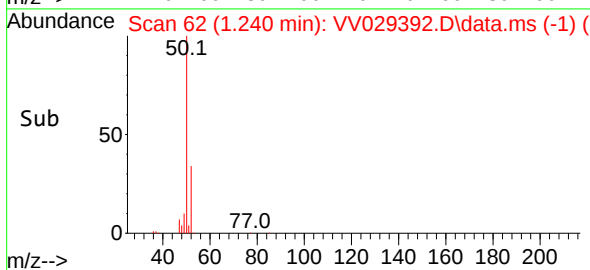
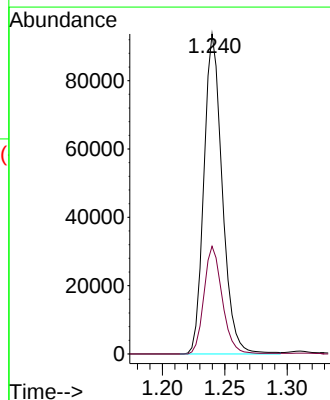
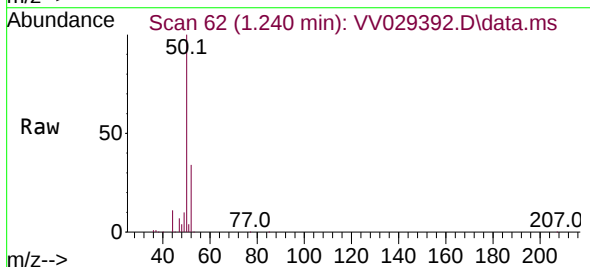
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005375

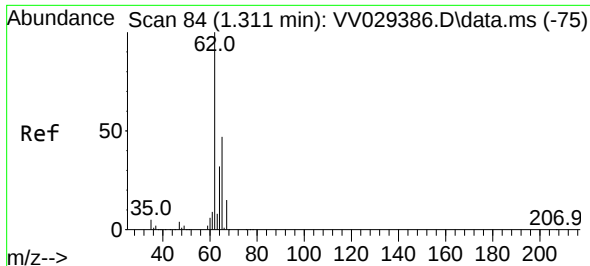
Tgt Ion: 85 Resp: 88367
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.2 39.4



#3
 Chloromethane
 Concen: 5.575 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029392.D
 Acq: 02 Dec 2022 14:40

Tgt Ion: 50 Resp: 96072
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.2 43.2

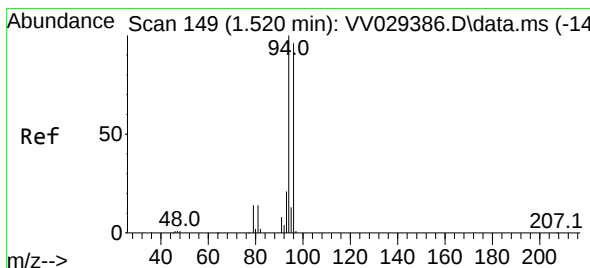
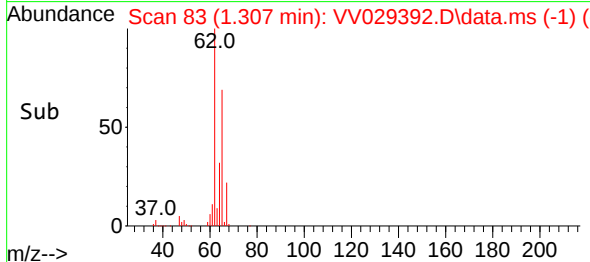
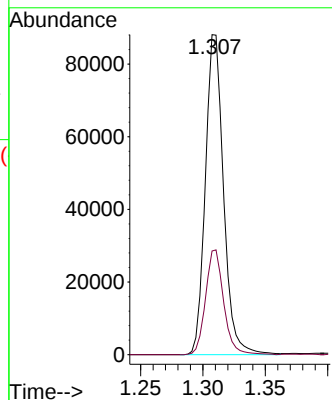
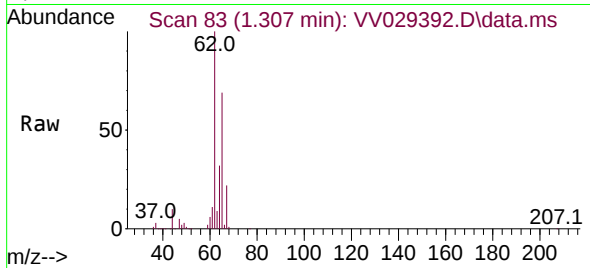




#5
 Vinyl chloride
 Concen: 5.213 ug/L
 RT: 1.307 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VV029392.D
 Acq: 02 Dec 2022 14:40

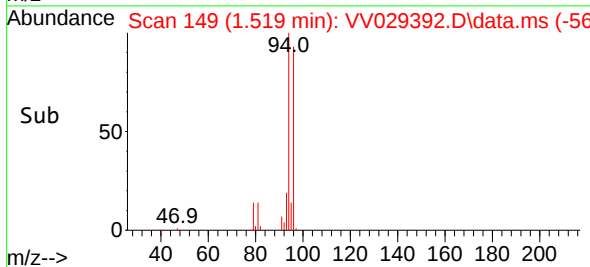
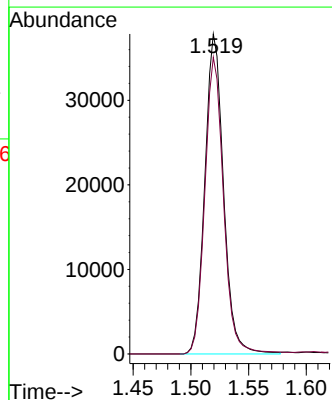
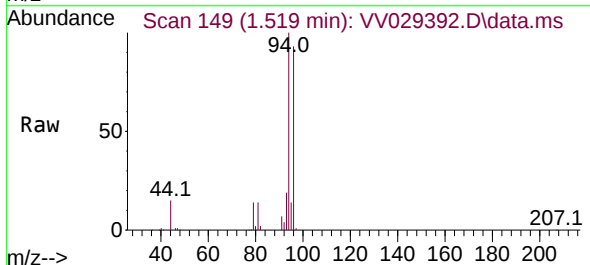
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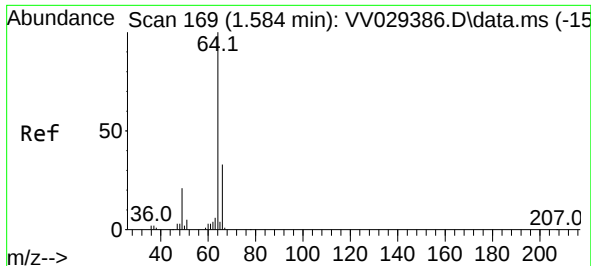
Tgt Ion: 62 Resp: 89521
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.4 43.4



#6
 Bromomethane
 Concen: 3.968 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VV029392.D
 Acq: 02 Dec 2022 14:40

Tgt Ion: 94 Resp: 42521
 Ion Ratio Lower Upper
 94 100
 96 92.7 65.4 121.4

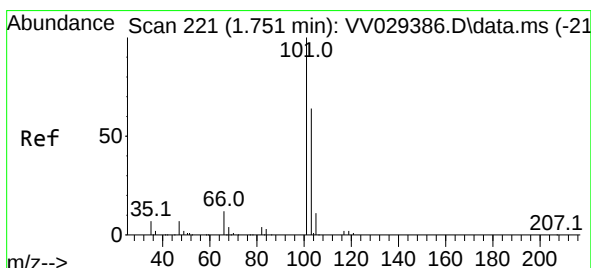
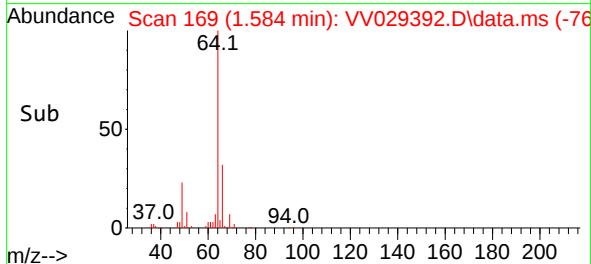
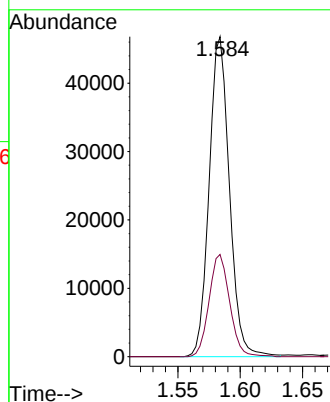
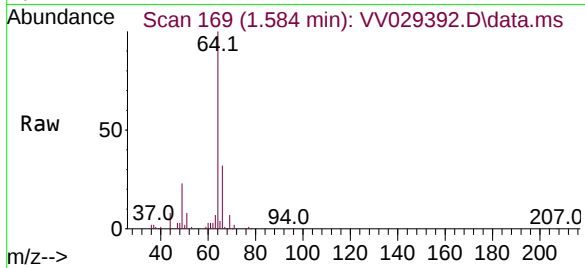




#8
Chloroethane
Concen: 5.188 ug/L
RT: 1.584 min Scan# 169
Delta R.T. -0.000 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

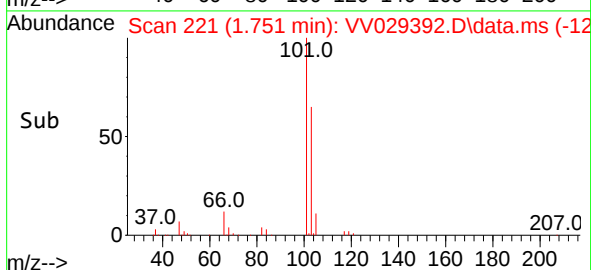
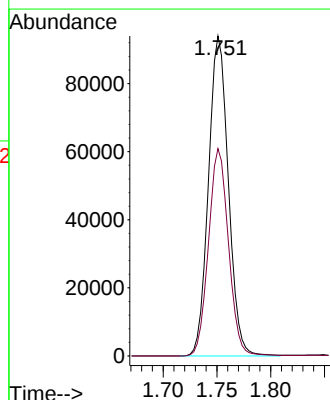
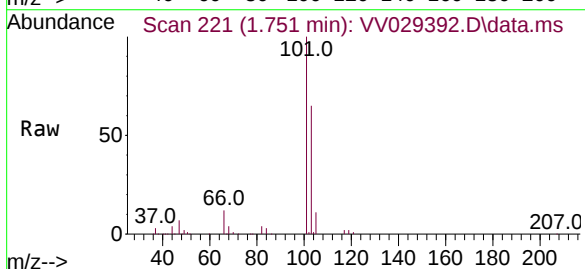
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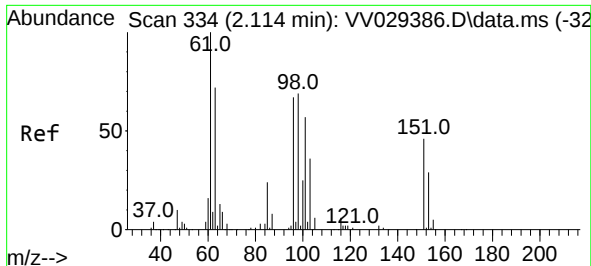
Tgt Ion: 64 Resp: 52951
Ion Ratio Lower Upper
64 100
66 31.9 23.5 43.7



#9
Trichlorofluoromethane
Concen: 5.028 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

Tgt Ion: 101 Resp: 120865
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.8

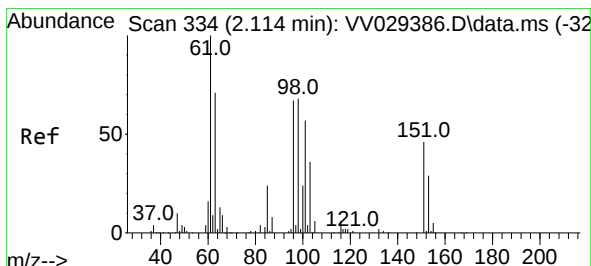
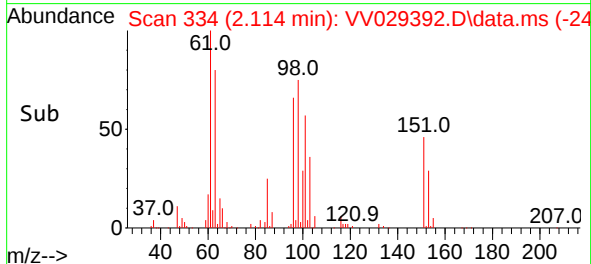
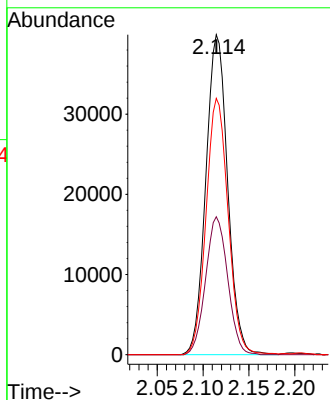
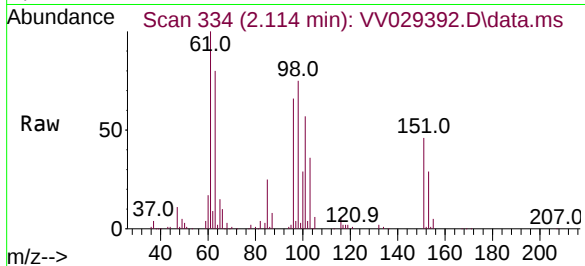




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.921 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV029392.D
 Acq: 02 Dec 2022 14:40

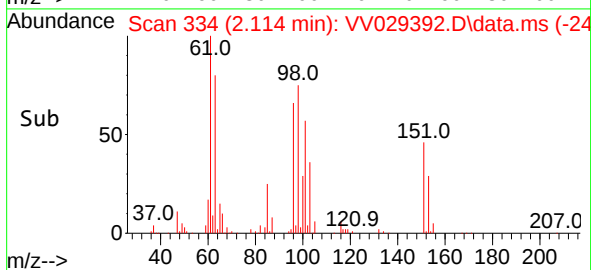
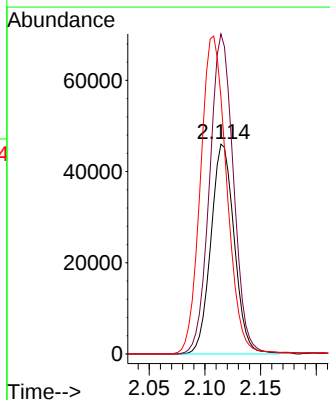
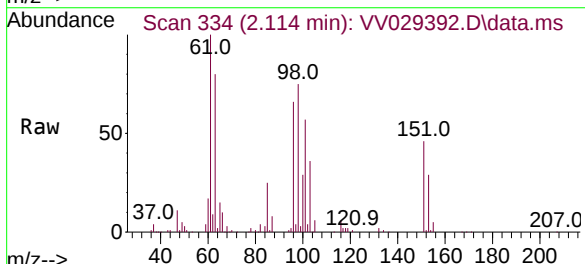
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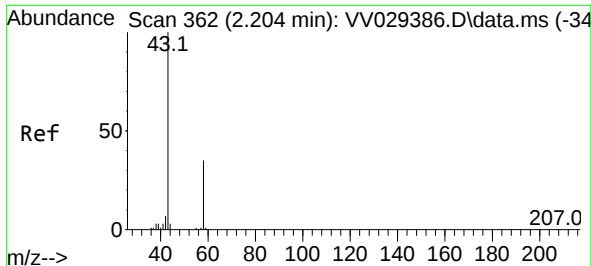
Tgt Ion:101 Resp: 65956
 Ion Ratio Lower Upper
 101 100
 85 43.7 33.6 50.4
 151 81.2 65.3 97.9



#12
 1,1-Dichloroethene
 Concen: 5.187 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV029392.D
 Acq: 02 Dec 2022 14:40

Tgt Ion: 96 Resp: 67232
 Ion Ratio Lower Upper
 96 100
 61 152.6 110.3 204.9
 63 122.6 84.4 156.8

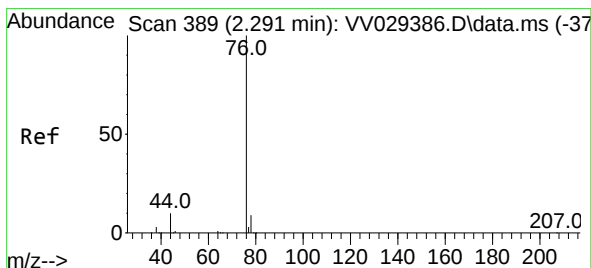
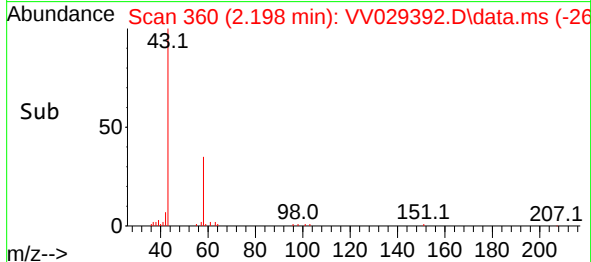
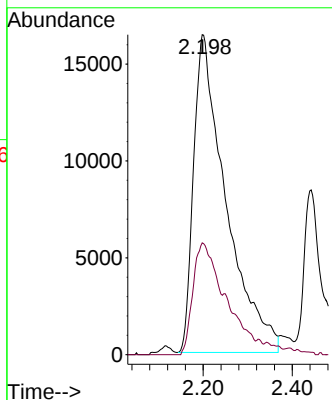
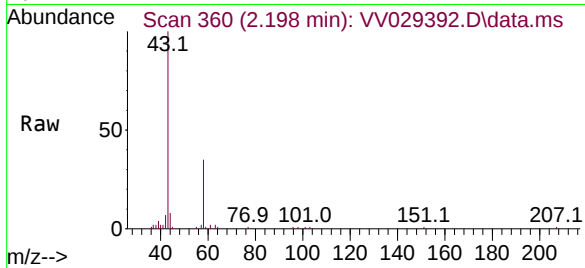




#13
Acetone
Concen: 43.813 ug/L
RT: 2.198 min Scan# 360
Delta R.T. -0.006 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

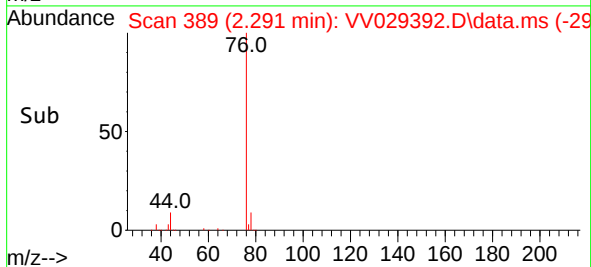
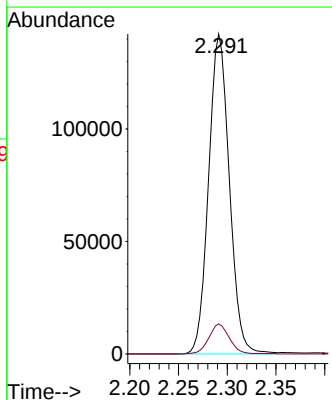
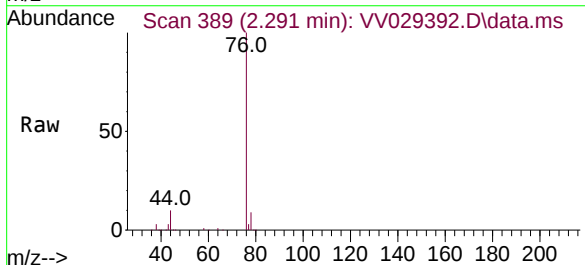
Instrument :
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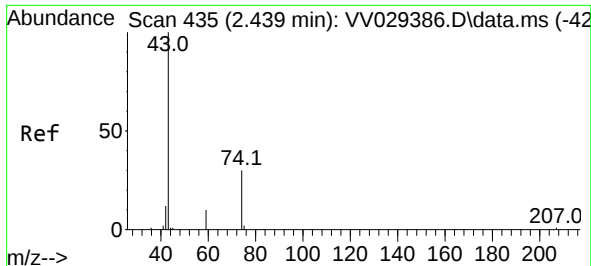
Tgt Ion: 43 Resp: 82668
Ion Ratio Lower Upper
43 100
58 25.4 0.0 70.8



#14
Carbon disulfide
Concen: 5.594 ug/L
RT: 2.291 min Scan# 389
Delta R.T. -0.000 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

Tgt Ion: 76 Resp: 210673
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2

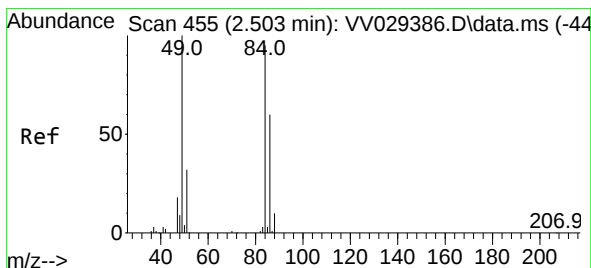
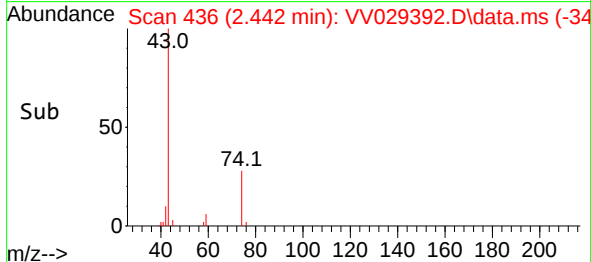
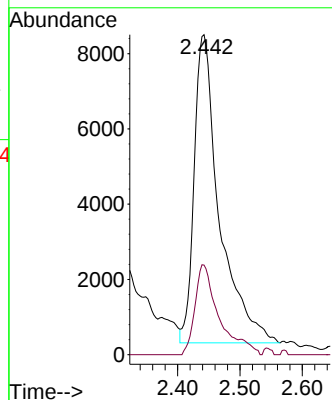
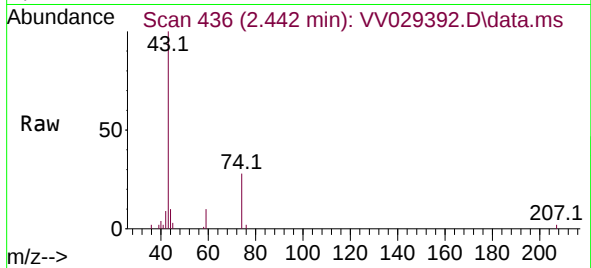




#15
Methyl Acetate
Concen: 4.243 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

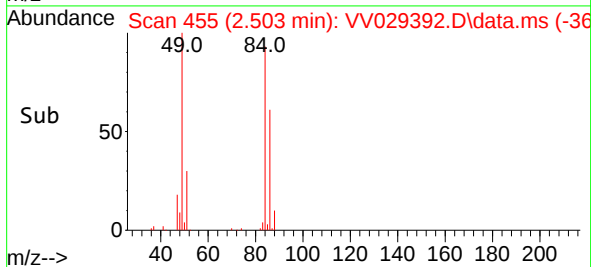
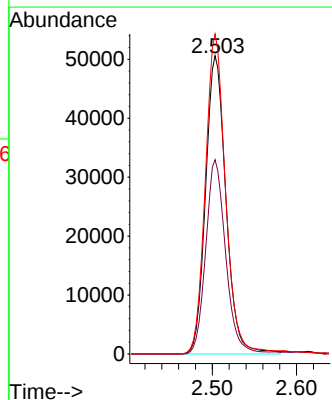
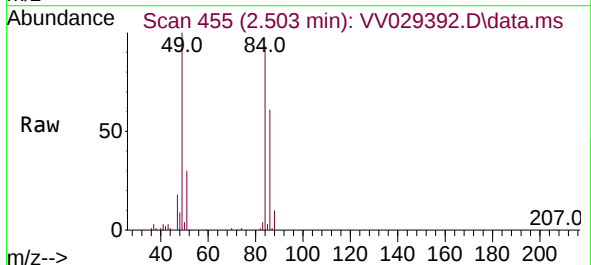
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

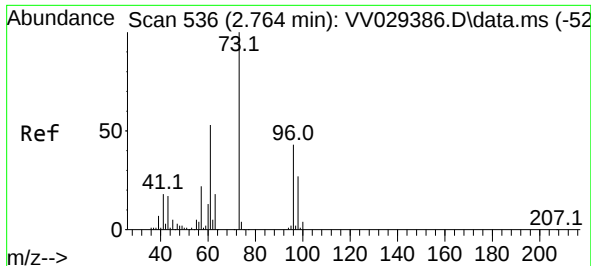
Tgt Ion: 43 Resp: 23008
Ion Ratio Lower Upper
43 100
74 27.9 19.6 29.4



#16
Methylene chloride
Concen: 4.295 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.000 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

Tgt Ion: 84 Resp: 85062
Ion Ratio Lower Upper
84 100
86 65.2 45.6 84.6
49 107.3 77.8 144.4





#17

Methyl tert-butyl Ether

Concen: 5.262 ug/L

RT: 2.767 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

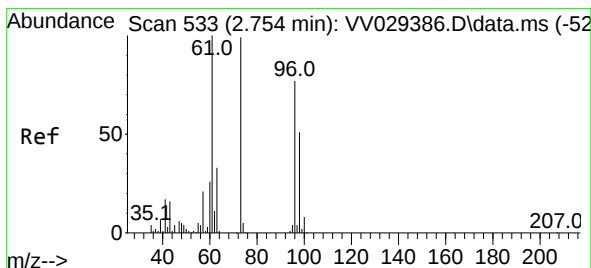
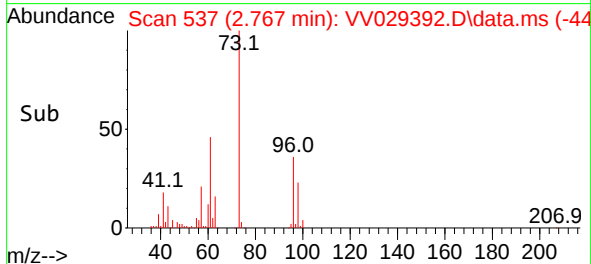
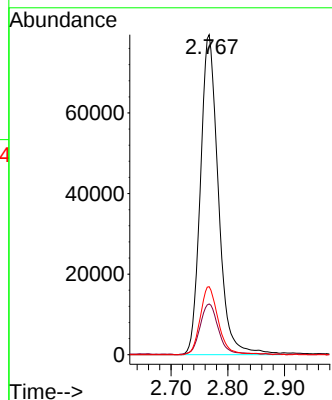
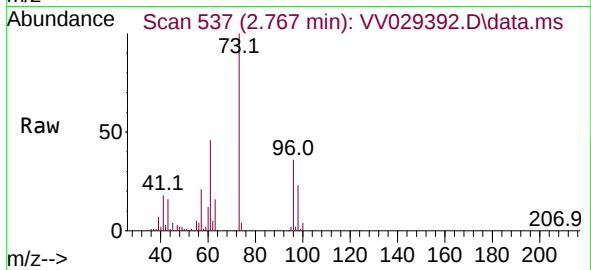
Tgt Ion: 73 Resp: 174381

Ion Ratio Lower Upper

73 100

43 16.4 13.2 19.8

57 21.1 16.9 25.3



#18

trans-1,2-Dichloroethene

Concen: 5.439 ug/L

RT: 2.757 min Scan# 534

Delta R.T. 0.003 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

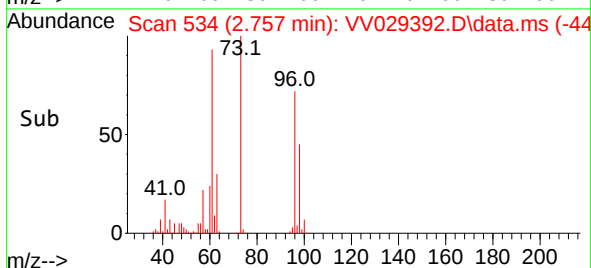
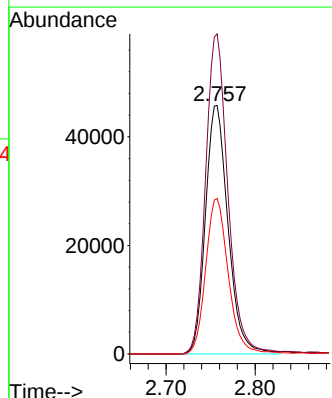
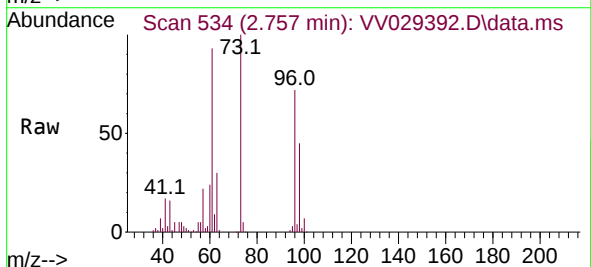
Tgt Ion: 96 Resp: 80905

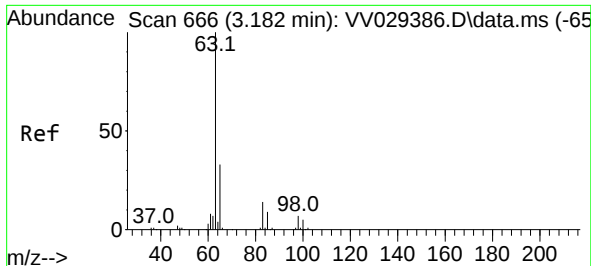
Ion Ratio Lower Upper

96 100

61 128.8 93.0 172.6

98 62.6 44.0 81.8

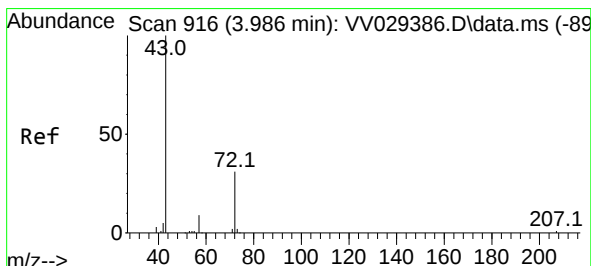
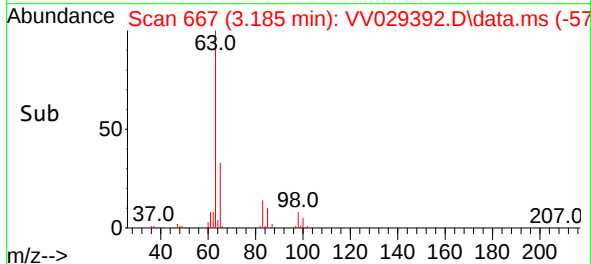
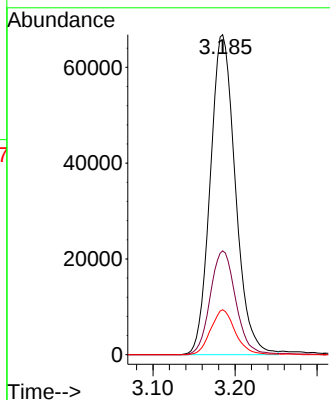
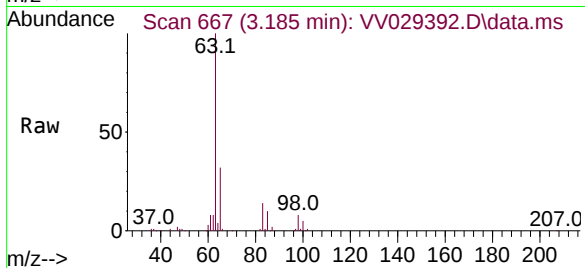




#19
1,1-Dichloroethane
Concen: 5.330 ug/L
RT: 3.185 min Scan# 60
Delta R.T. 0.003 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

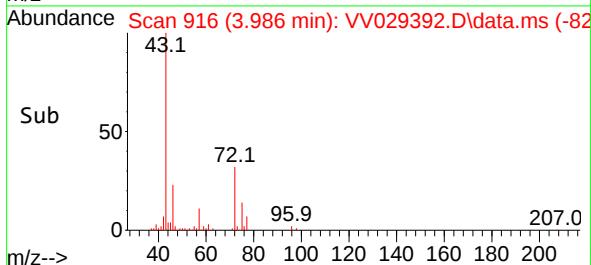
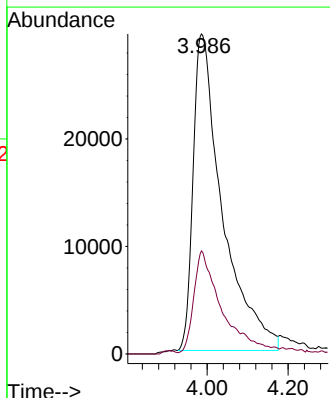
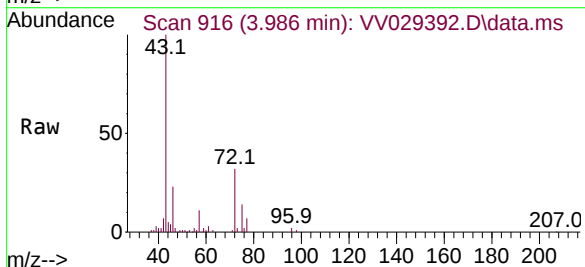
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

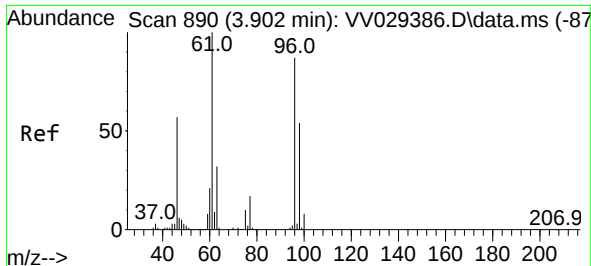
Tgt Ion: 63 Resp: 142690
Ion Ratio Lower Upper
63 100
65 32.5 21.6 40.2
83 14.0 10.3 19.1



#21
2-Butanone
Concen: 50.033 ug/L
RT: 3.986 min Scan# 916
Delta R.T. -0.000 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

Tgt Ion: 43 Resp: 147789
Ion Ratio Lower Upper
43 100
72 27.0 13.8 41.3

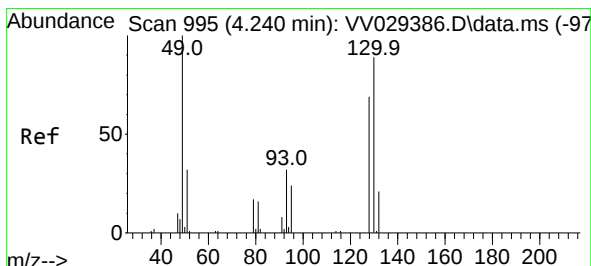
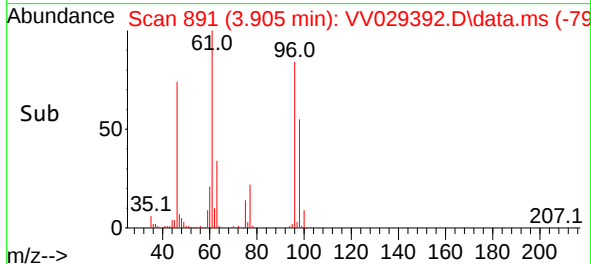
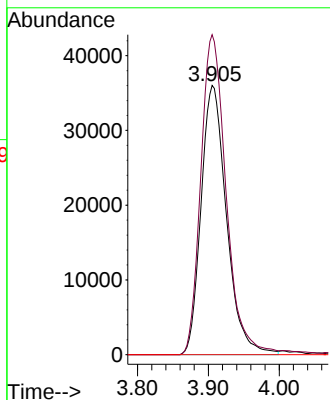
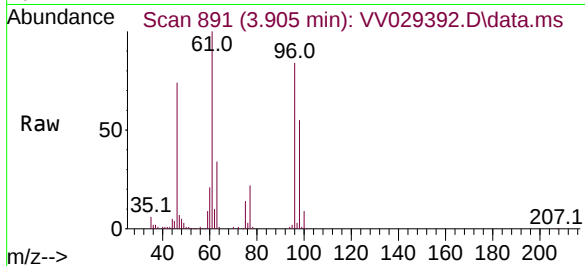




#22
 cis-1,2-Dichloroethene
 Concen: 5.277 ug/L
 RT: 3.905 min Scan# 891
 Delta R.T. 0.003 min
 Lab File: VV029392.D
 Acq: 02 Dec 2022 14:40

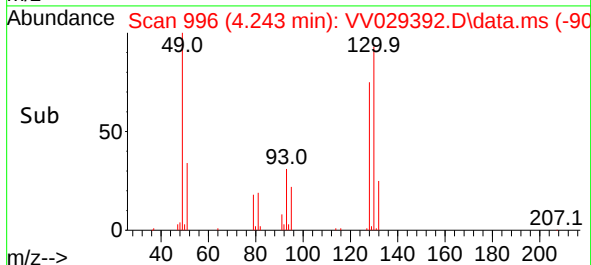
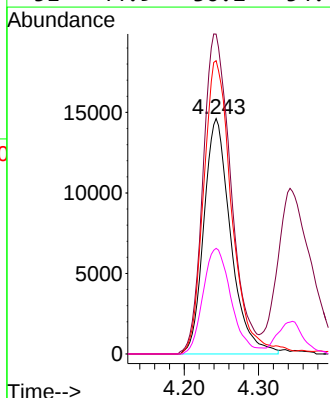
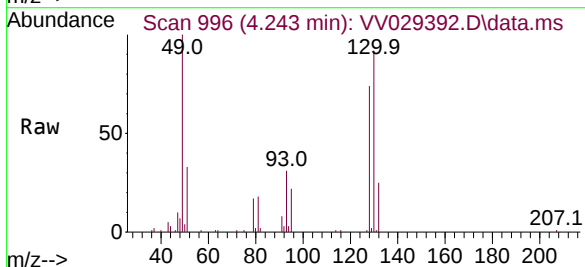
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005375

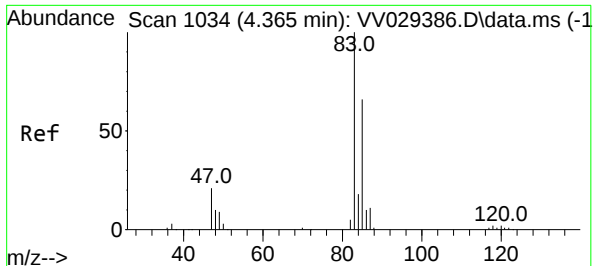
Tgt Ion: 96 Resp: 89781
 Ion Ratio Lower Upper
 96 100
 61 118.9 85.8 159.3
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.383 ug/L
 RT: 4.243 min Scan# 996
 Delta R.T. 0.003 min
 Lab File: VV029392.D
 Acq: 02 Dec 2022 14:40

Tgt Ion: 128 Resp: 36685
 Ion Ratio Lower Upper
 128 100
 49 135.9 100.0 185.8
 130 124.7 90.2 167.6
 51 44.9 36.2 54.4





#25

Chloroform

Concen: 5.418 ug/L

RT: 4.368 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

Instrument :

MSVOA_V

ClientSampleId :

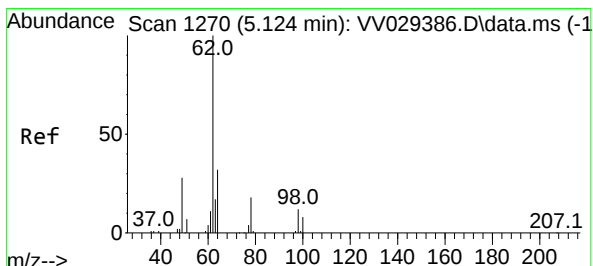
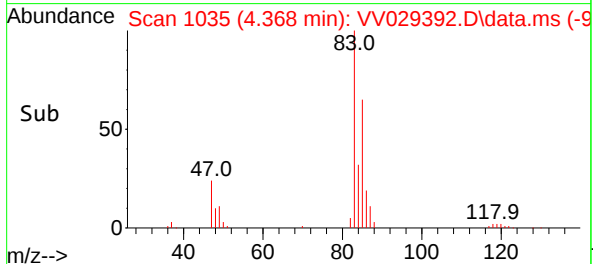
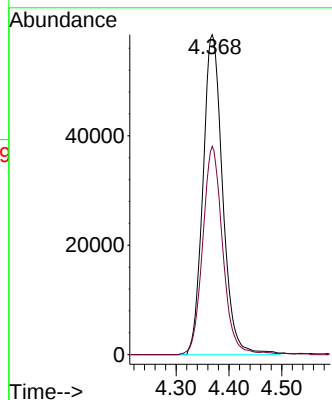
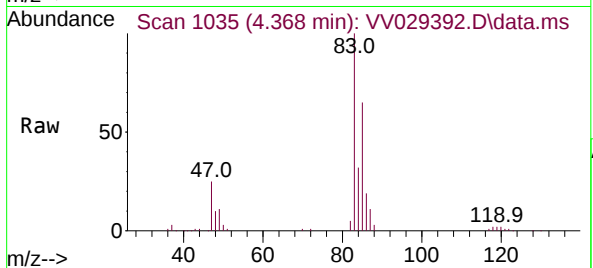
VSTD005375

Tgt Ion: 83 Resp: 151458

Ion Ratio Lower Upper

83 100

85 65.1 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.285 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. 0.003 min

Lab File: VV029392.D

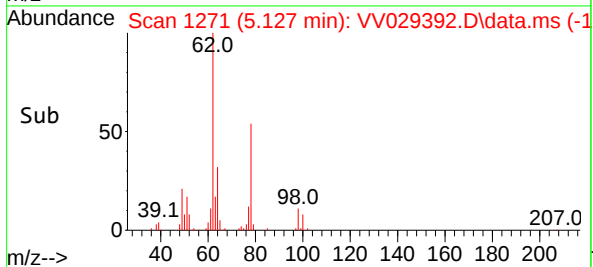
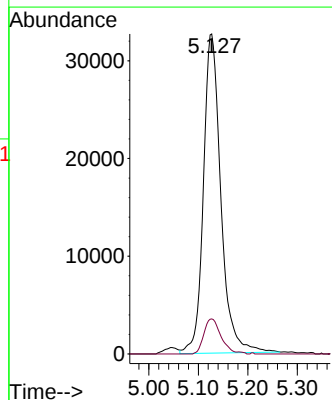
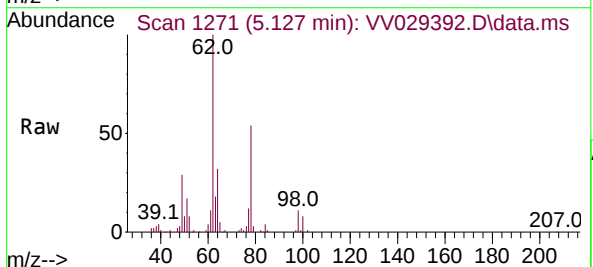
Acq: 02 Dec 2022 14:40

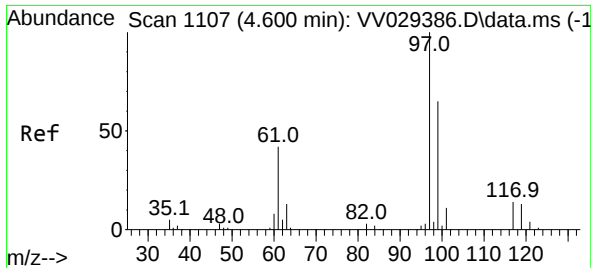
Tgt Ion: 62 Resp: 80040

Ion Ratio Lower Upper

62 100

98 10.9 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 5.053 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

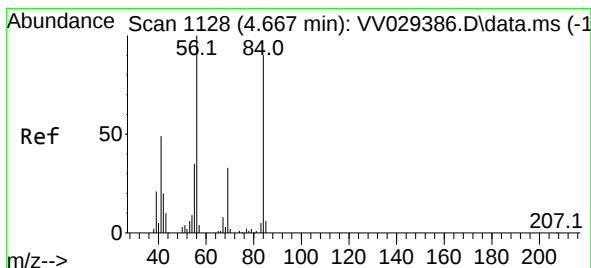
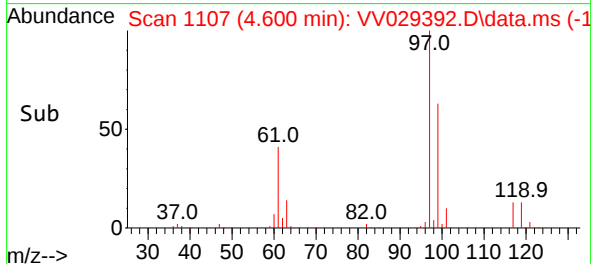
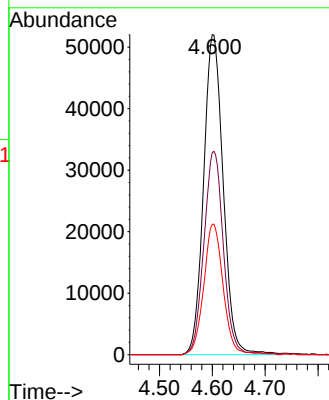
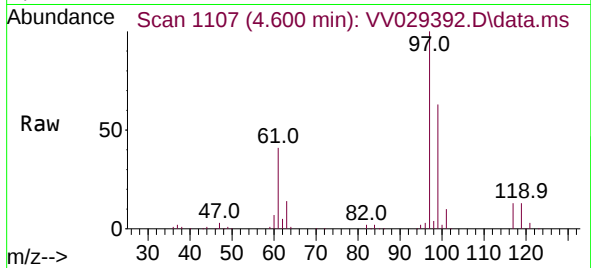
Tgt Ion: 97 Resp: 134096

Ion Ratio Lower Upper

97 100

99 62.9 51.2 76.8

61 40.1 33.3 49.9



#30

Cyclohexane

Concen: 4.825 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. 0.003 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

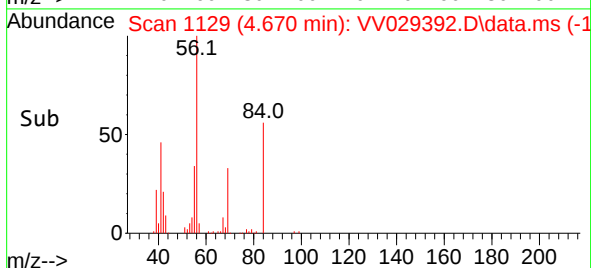
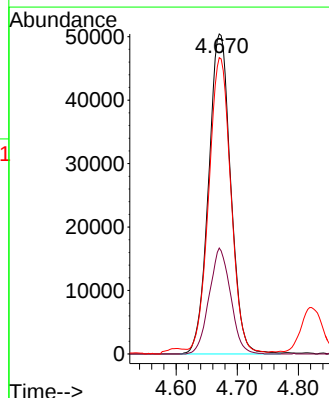
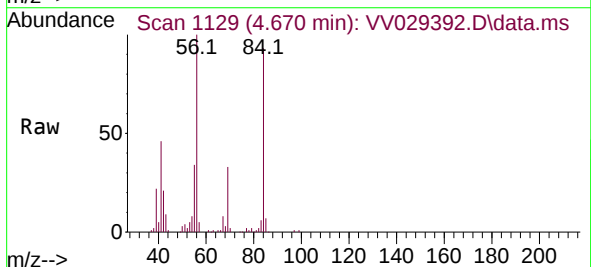
Tgt Ion: 56 Resp: 126568

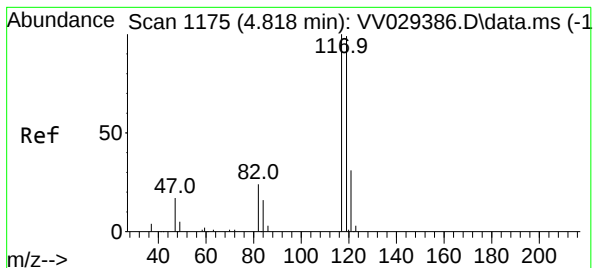
Ion Ratio Lower Upper

56 100

69 32.0 26.1 39.1

84 92.1 75.6 113.4





#31

Carbon tetrachloride

Concen: 4.993 ug/L

RT: 4.822 min Scan# 1176

Delta R.T. 0.003 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

Instrument :

MSVOA_V

ClientSampleId :

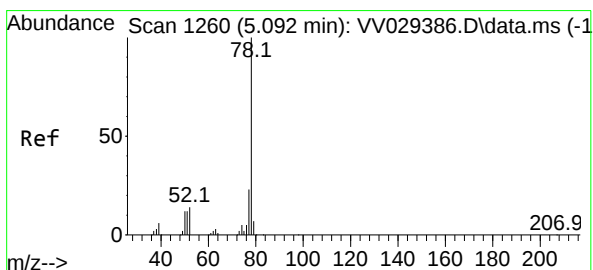
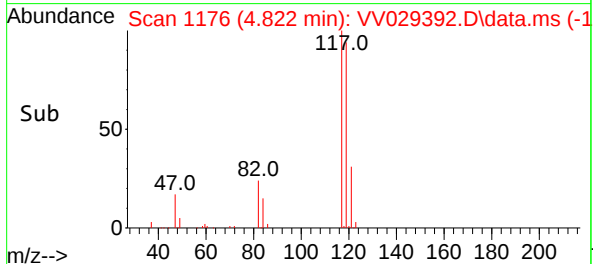
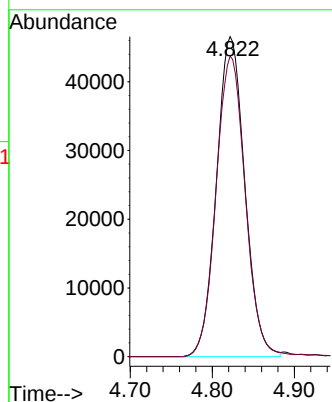
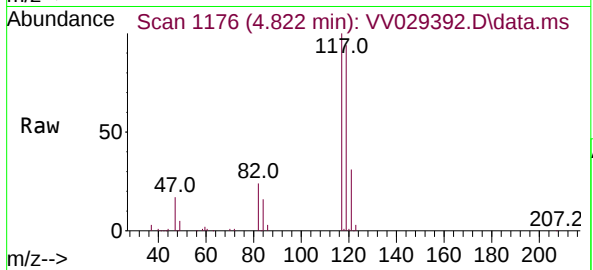
VSTD005375

Tgt Ion:117 Resp: 112052

Ion Ratio Lower Upper

117 100

119 96.2 75.7 113.5



#33

Benzene

Concen: 4.998 ug/L

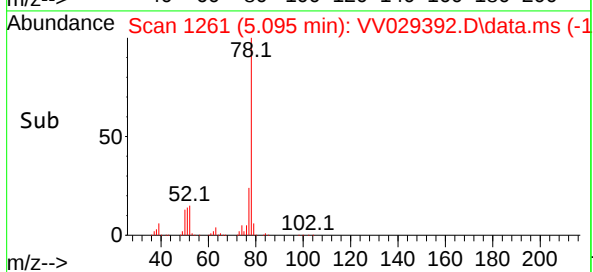
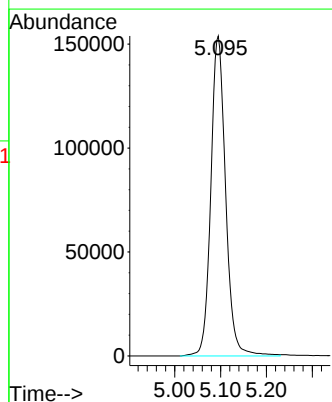
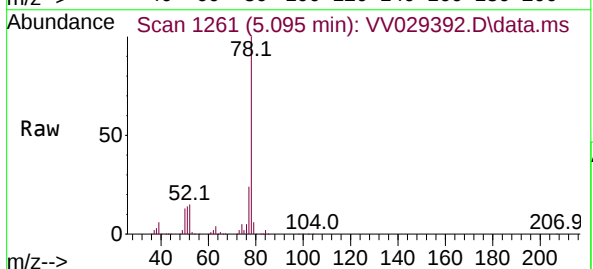
RT: 5.095 min Scan# 1261

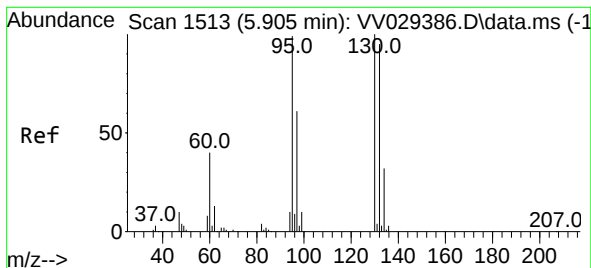
Delta R.T. 0.003 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

Tgt Ion: 78 Resp: 344914





#34

Trichloroethene

Concen: 4.859 ug/L

RT: 5.908 min Scan# 1513

Delta R.T. 0.003 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

Tgt Ion: 95 Resp: 85547

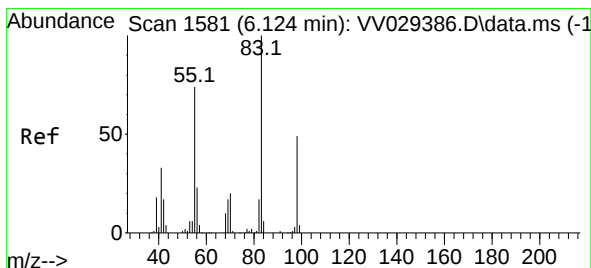
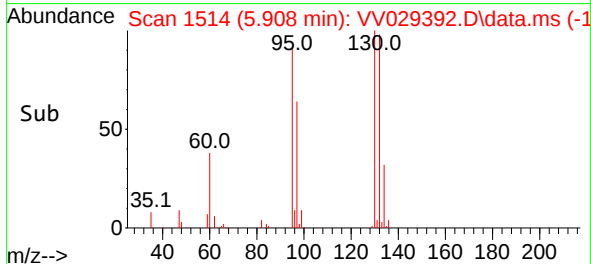
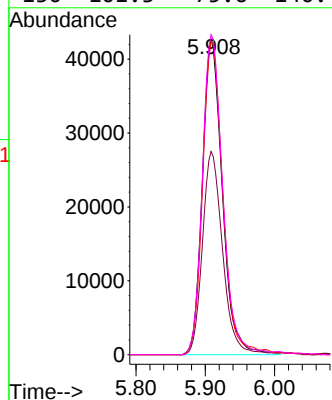
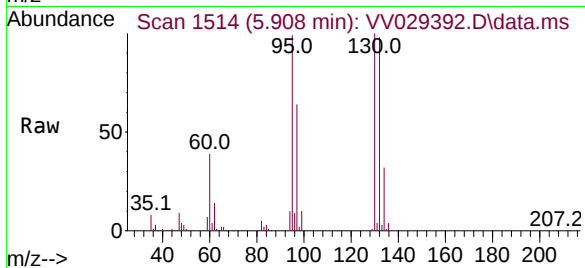
Ion Ratio Lower Upper

95 100

97 64.3 45.4 84.4

132 99.2 73.3 136.1

130 101.3 75.6 140.4



#35

Methylcyclohexane

Concen: 4.570 ug/L

RT: 6.124 min Scan# 1581

Delta R.T. -0.000 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

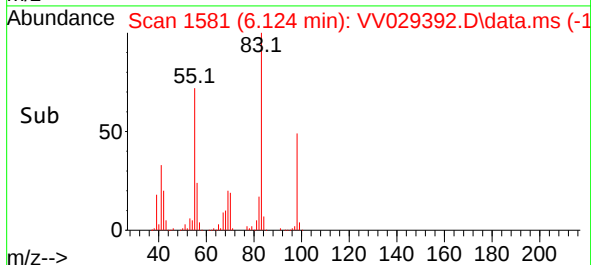
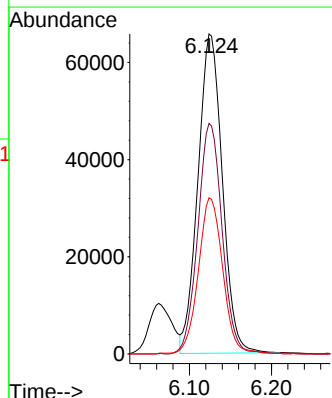
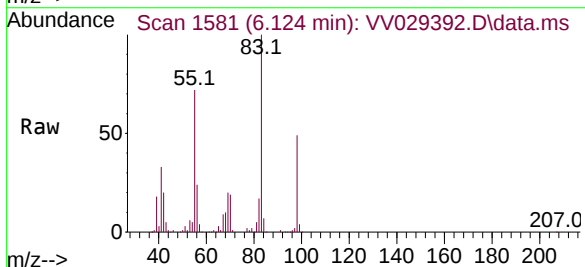
Tgt Ion: 83 Resp: 135805

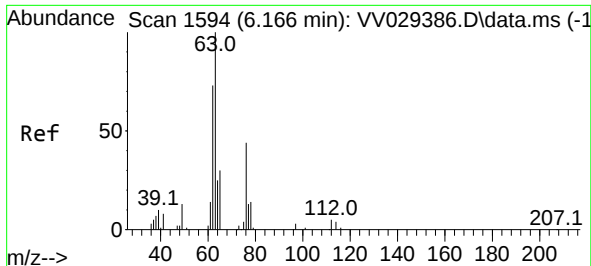
Ion Ratio Lower Upper

83 100

55 71.9 55.4 83.2

98 49.1 39.4 59.2





#37

1,2-Dichloropropane

Concen: 5.081 ug/L

RT: 6.166 min Scan# 1594

Delta R.T. -0.000 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

Instrument :

MSVOA_V

ClientSampleId :

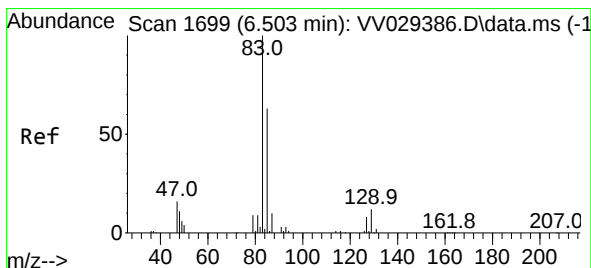
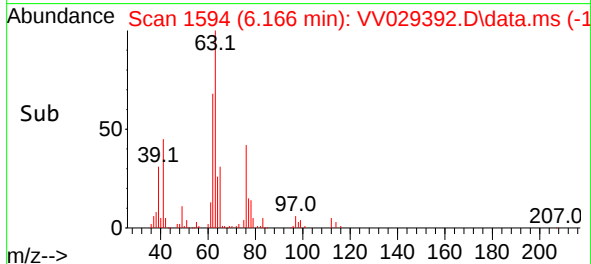
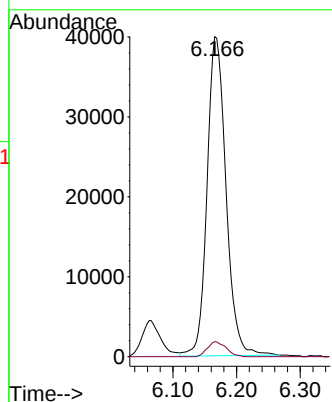
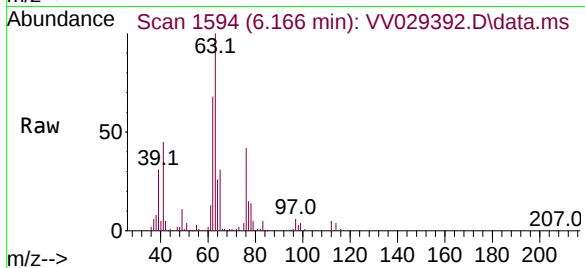
VSTD005375

Tgt Ion: 63 Resp: 82602

Ion Ratio Lower Upper

63 100

112 4.7 4.1 6.1



#38

Bromodichloromethane

Concen: 5.436 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. -0.000 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

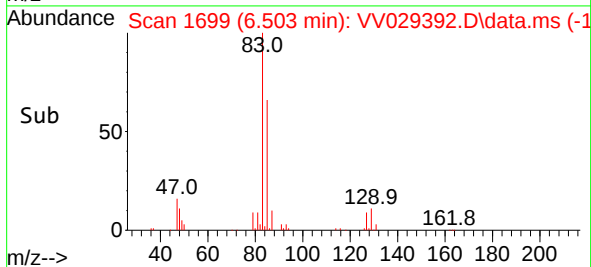
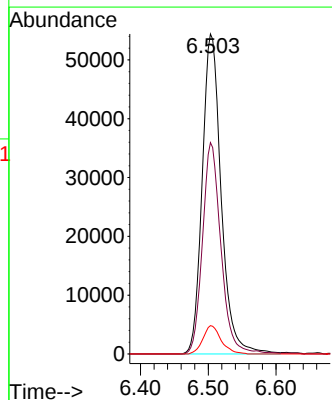
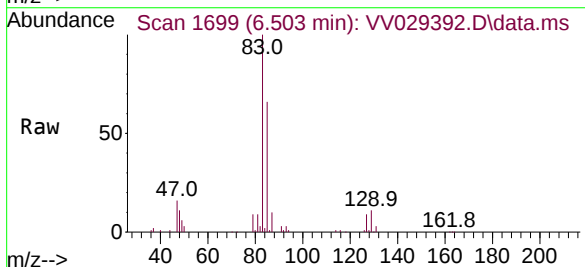
Tgt Ion: 83 Resp: 105785

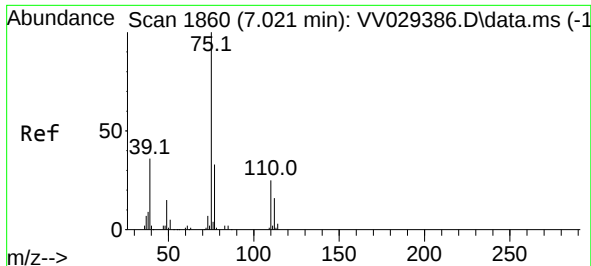
Ion Ratio Lower Upper

83 100

85 66.1 44.7 83.1

127 8.9 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 4.685 ug/L

RT: 7.024 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

Instrument :

MSVOA_V

ClientSampleId :

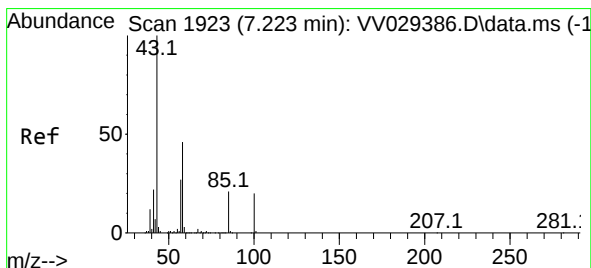
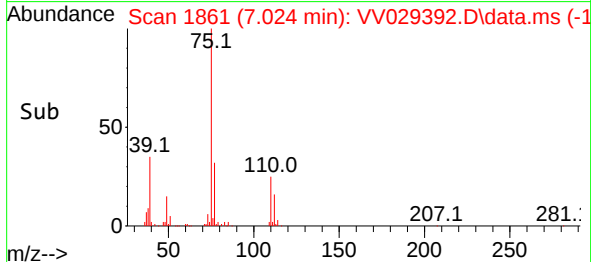
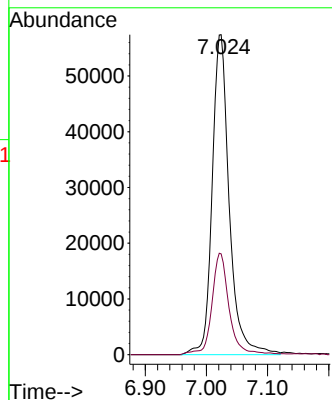
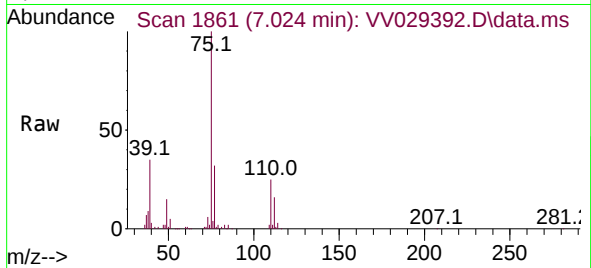
VSTD005375

Tgt Ion: 75 Resp: 111319

Ion Ratio Lower Upper

75 100

77 31.5 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 50.938 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.000 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

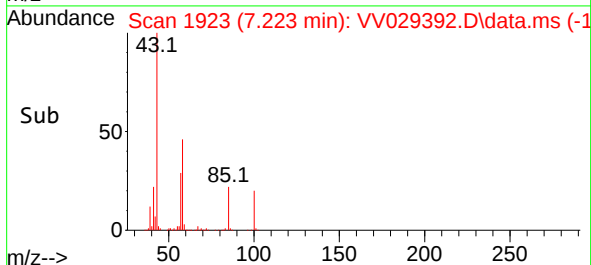
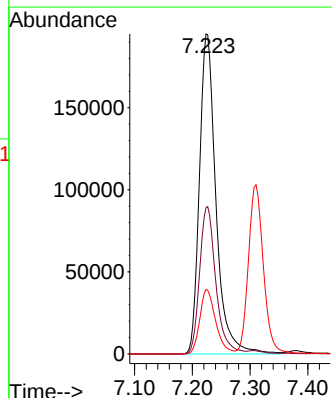
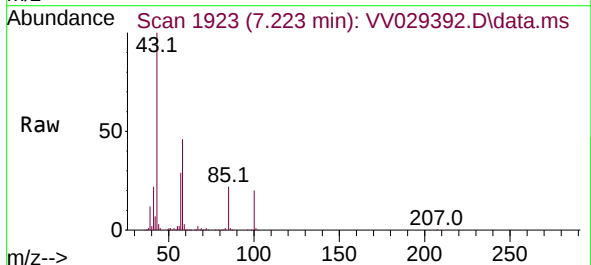
Tgt Ion: 43 Resp: 387474

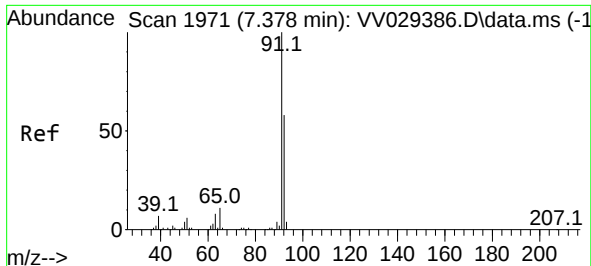
Ion Ratio Lower Upper

43 100

58 45.1 35.3 52.9

100 19.4 15.3 22.9

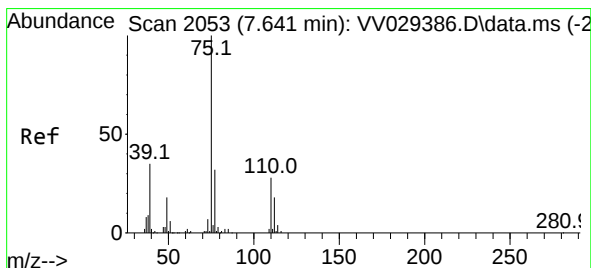
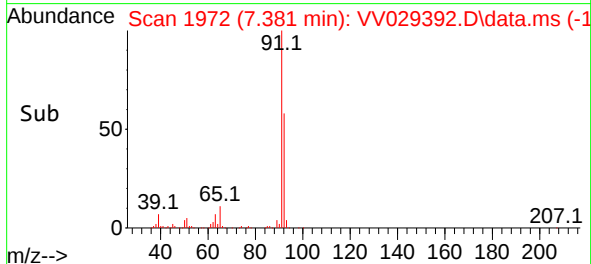
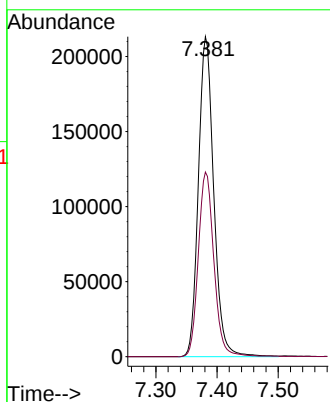
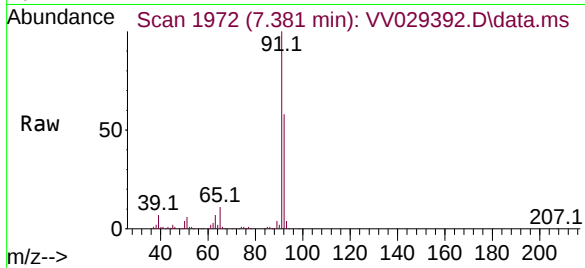




#42
Toluene
Concen: 5.026 ug/L
RT: 7.381 min Scan# 1971
Delta R.T. 0.003 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

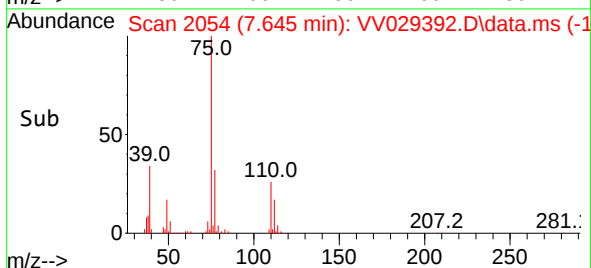
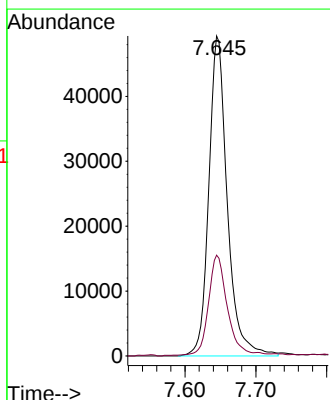
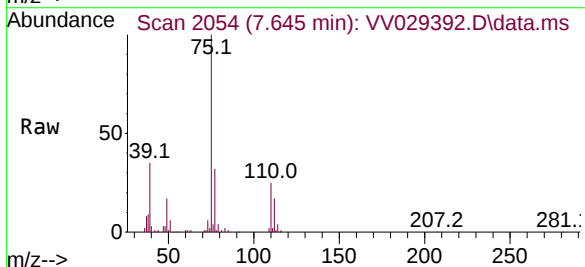
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

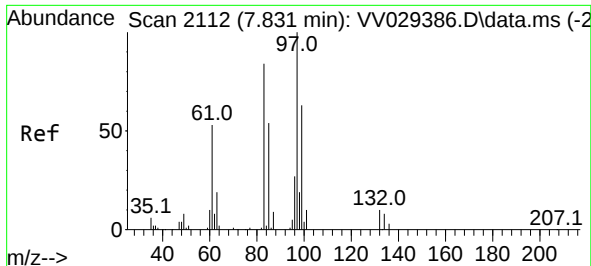
Tgt Ion: 91 Resp: 372256
Ion Ratio Lower Upper
91 100
92 57.7 40.8 75.8



#44
trans-1,3-Dichloropropene
Concen: 4.740 ug/L
RT: 7.645 min Scan# 2054
Delta R.T. 0.003 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

Tgt Ion: 75 Resp: 89219
Ion Ratio Lower Upper
75 100
77 31.5 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 5.208 ug/L

RT: 7.831 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

Tgt Ion: 97 Resp: 57317

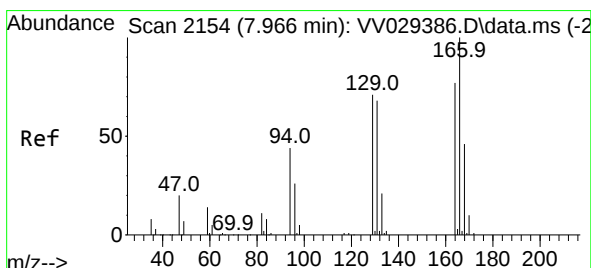
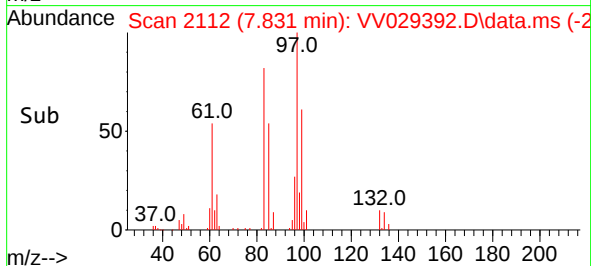
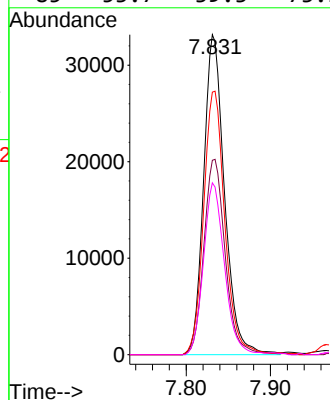
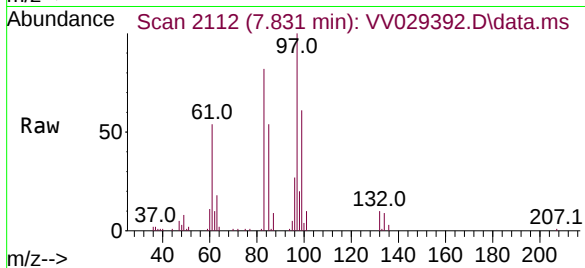
Ion Ratio Lower Upper

97 100

99 60.8 44.4 82.5

83 82.1 59.5 110.5

85 53.7 39.3 73.1



#47

Tetrachloroethene

Concen: 4.852 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.003 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

Tgt Ion:164 Resp: 70019

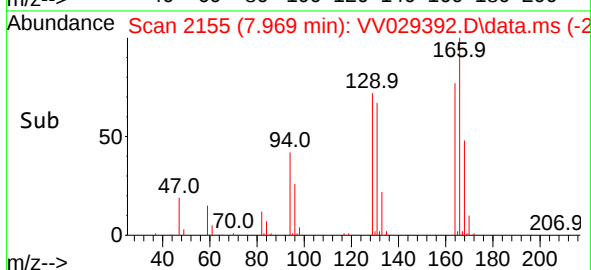
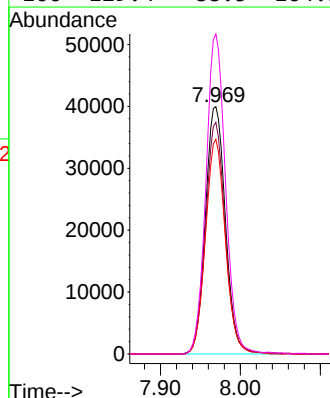
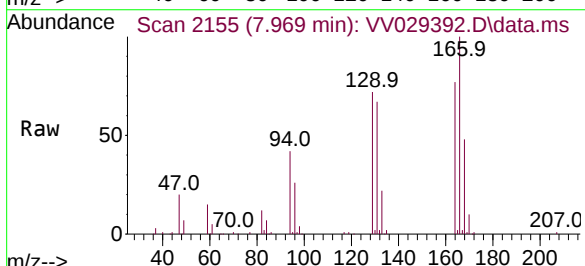
Ion Ratio Lower Upper

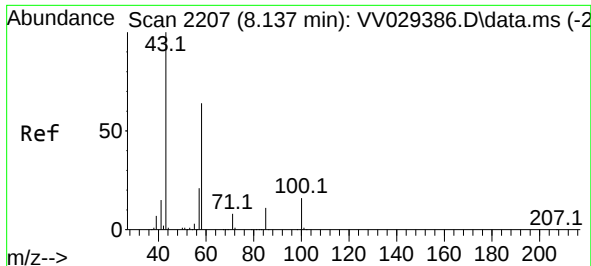
164 100

129 93.6 61.7 114.7

131 86.7 62.9 116.9

166 129.4 88.5 164.3



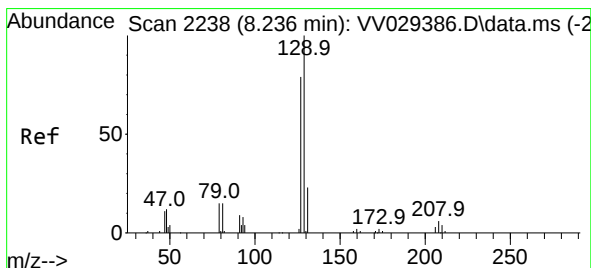
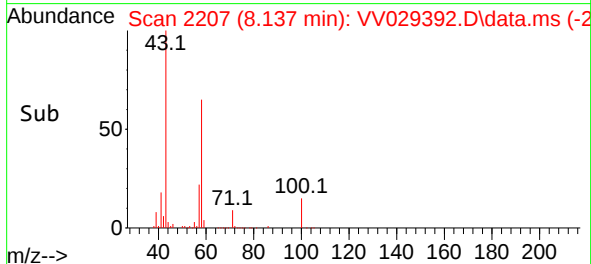
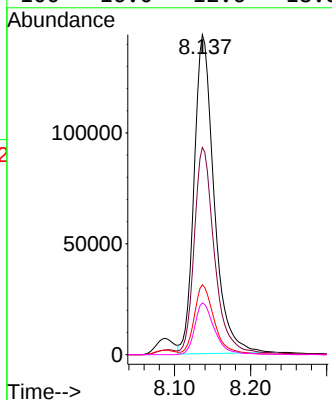
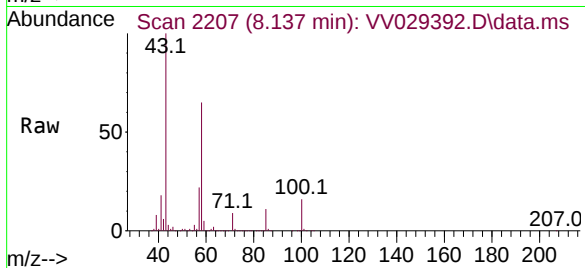


#48
2-Hexanone
Concen: 49.692 ug/L
RT: 8.137 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

Tgt Ion: 43 Resp: 263514

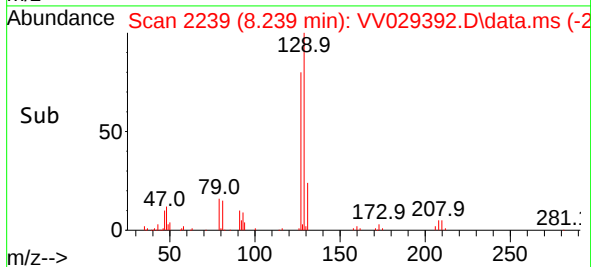
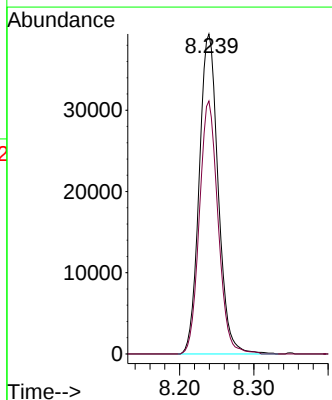
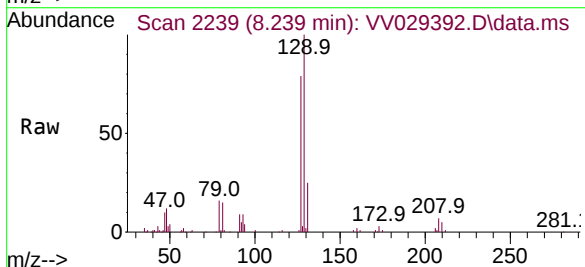
Ion	Ratio	Lower	Upper
43	100		
58	65.8	49.4	74.0
57	21.8	16.9	25.3
100	16.0	12.6	18.8

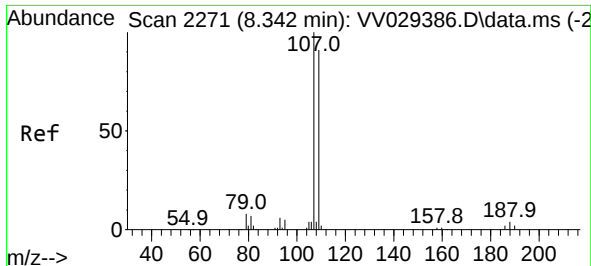


#49
Dibromochloromethane
Concen: 5.638 ug/L
RT: 8.239 min Scan# 2239
Delta R.T. 0.003 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

Tgt Ion: 129 Resp: 69802

Ion	Ratio	Lower	Upper
129	100		
127	79.0	53.1	98.7





#50

1,2-Dibromoethane

Concen: 5.338 ug/L

RT: 8.346 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

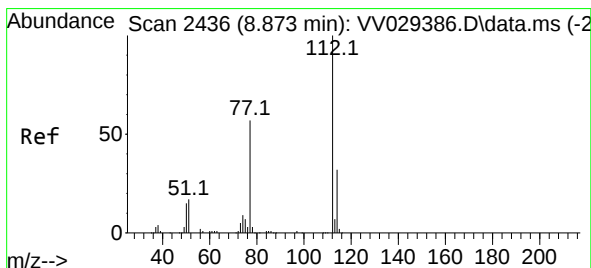
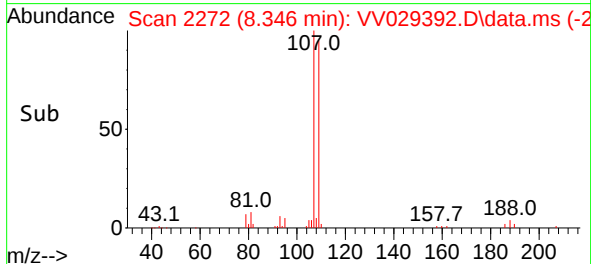
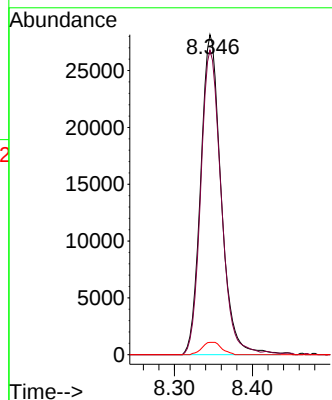
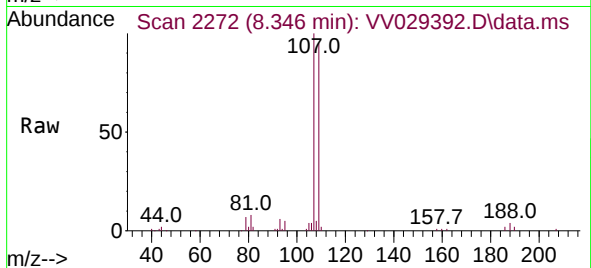
Tgt Ion:107 Resp: 51266

Ion Ratio Lower Upper

107 100

109 95.2 64.0 118.8

188 3.9 3.0 4.4



#51

Chlorobenzene

Concen: 5.076 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. -0.000 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

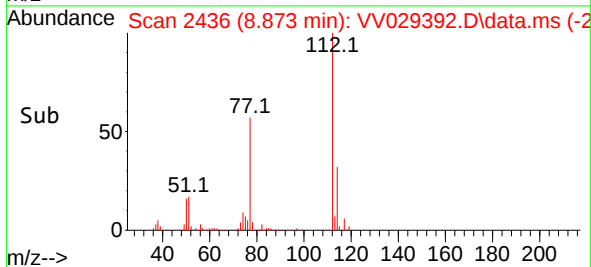
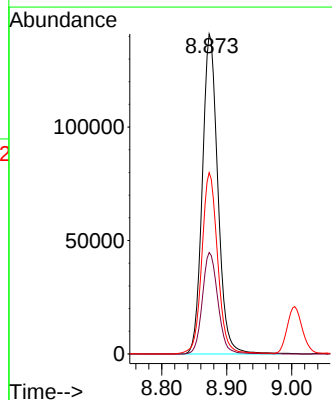
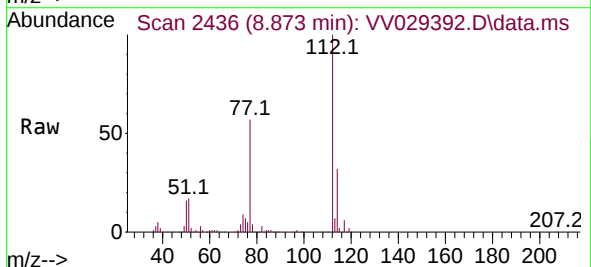
Tgt Ion:112 Resp: 234989

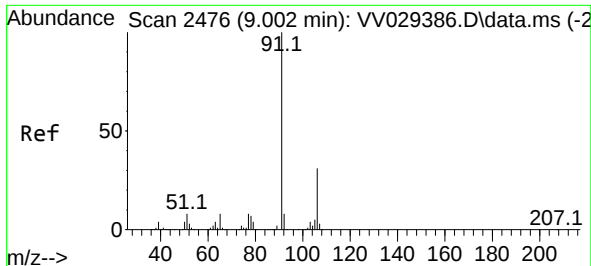
Ion Ratio Lower Upper

112 100

114 31.7 22.9 42.5

77 56.7 45.3 67.9

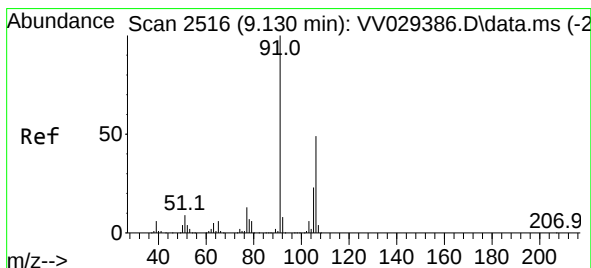
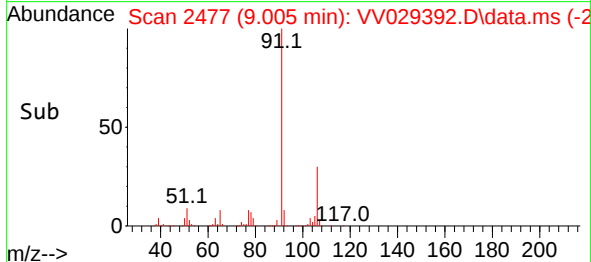
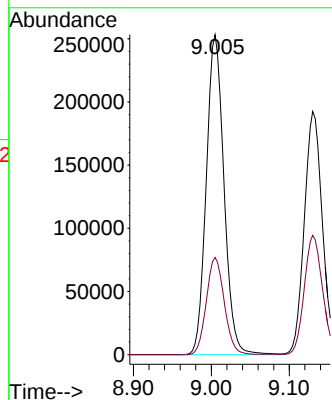
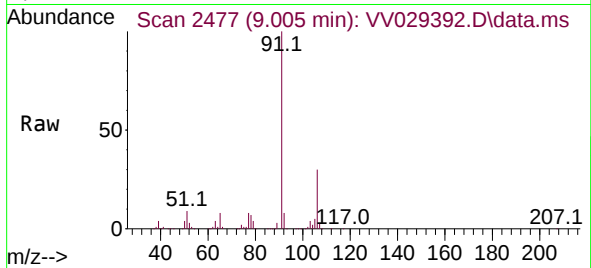




#52
Ethylbenzene
Concen: 5.171 ug/L
RT: 9.005 min Scan# 2476
Delta R.T. 0.003 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

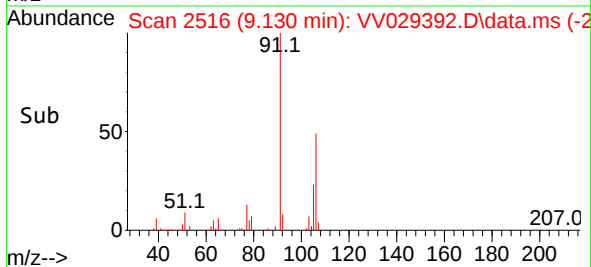
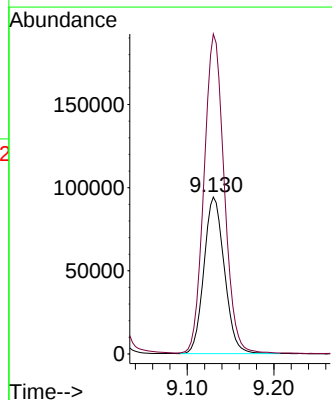
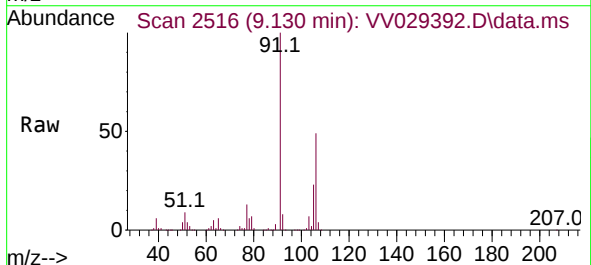
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

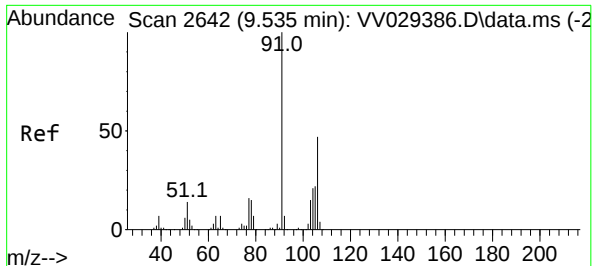
Tgt Ion: 91 Resp: 399285
Ion Ratio Lower Upper
91 100
106 30.4 21.9 40.7



#53
m,p-Xylene
Concen: 5.071 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

Tgt Ion: 106 Resp: 154442
Ion Ratio Lower Upper
106 100
91 203.8 140.6 261.2

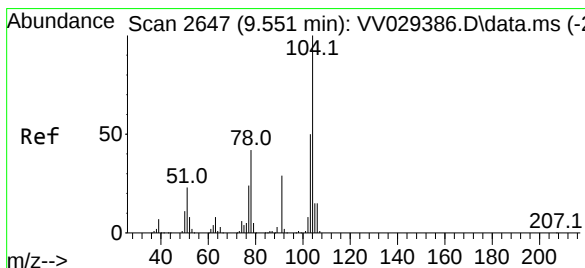
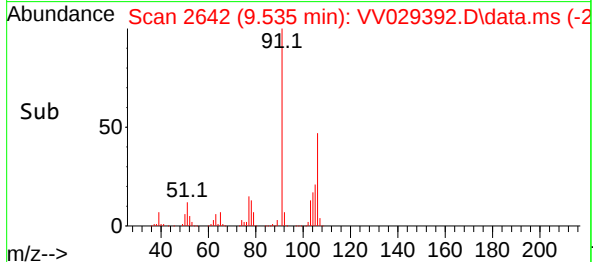
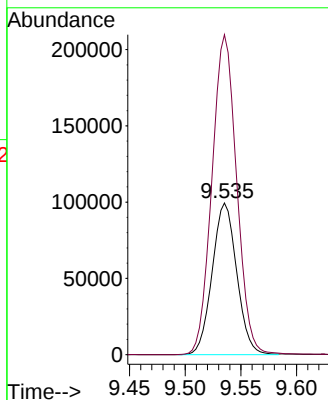
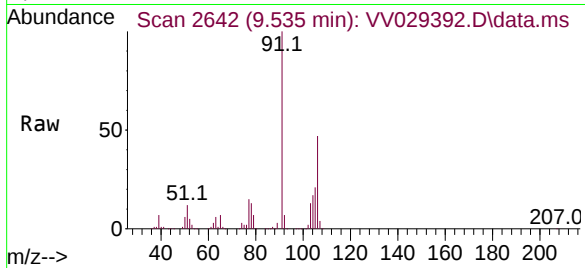




#54
o-Xylene
Concen: 5.098 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. -0.000 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

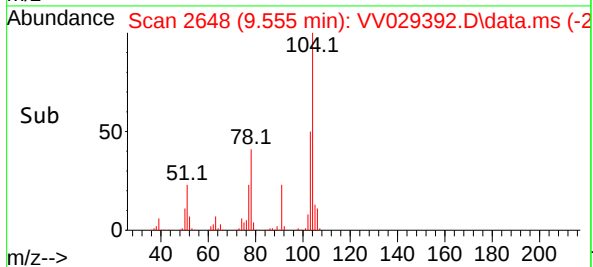
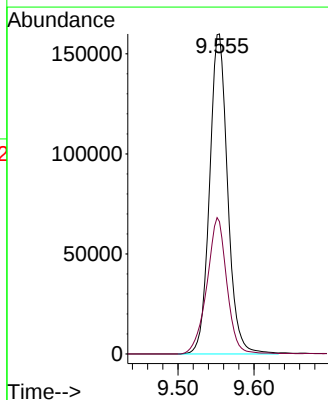
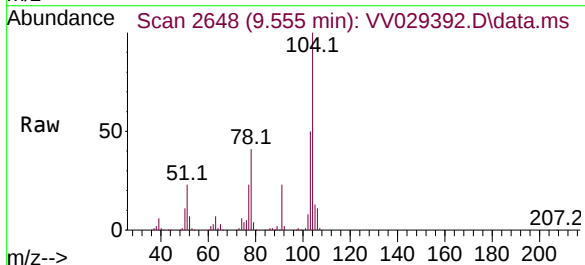
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

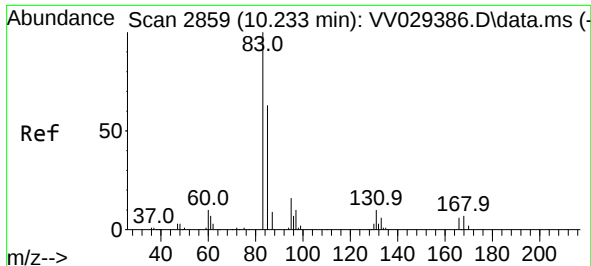
Tgt Ion:106 Resp: 152510
Ion Ratio Lower Upper
106 100
91 211.0 146.9 272.9



#55
Styrene
Concen: 5.224 ug/L
RT: 9.555 min Scan# 2648
Delta R.T. 0.003 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

Tgt Ion:104 Resp: 263829
Ion Ratio Lower Upper
104 100
78 41.3 29.9 55.5





#57

1,1,2-Tetrachloroethane

Concen: 5.812 ug/L

RT: 10.233 min Scan# 2859

Delta R.T. -0.000 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

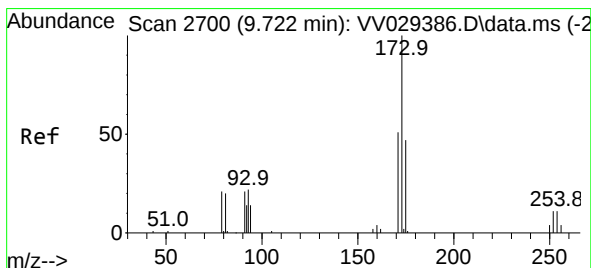
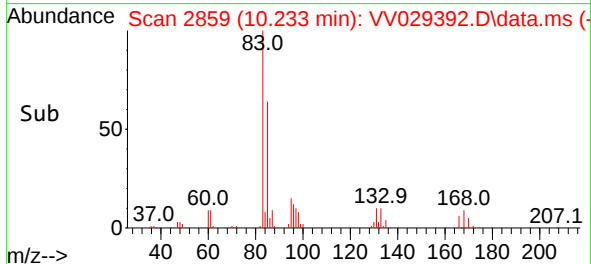
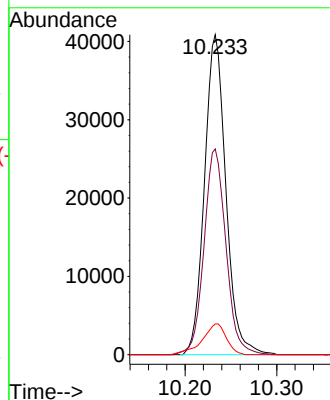
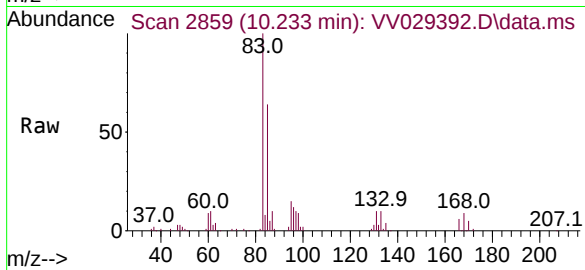
Tgt Ion: 83 Resp: 66184

Ion Ratio Lower Upper

83 100

85 64.3 45.5 84.5

131 9.6 8.2 12.2



#59

Bromoform

Concen: 6.314 ug/L

RT: 9.722 min Scan# 2700

Delta R.T. -0.000 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

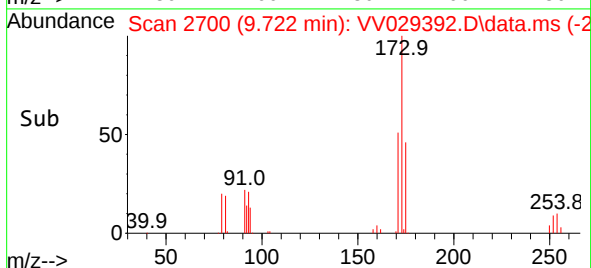
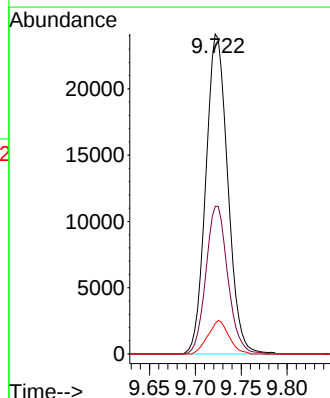
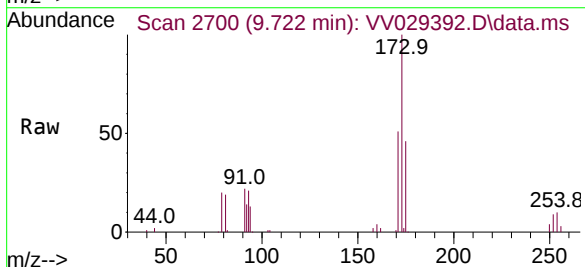
Tgt Ion: 173 Resp: 40179

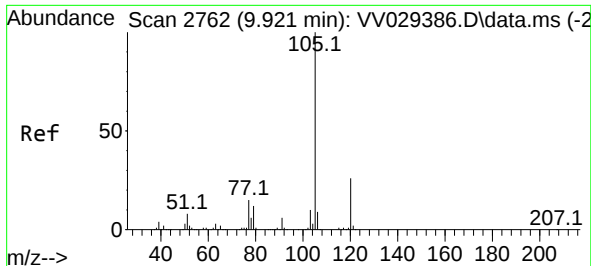
Ion Ratio Lower Upper

173 100

175 46.1 38.6 58.0

254 9.9 8.3 12.5

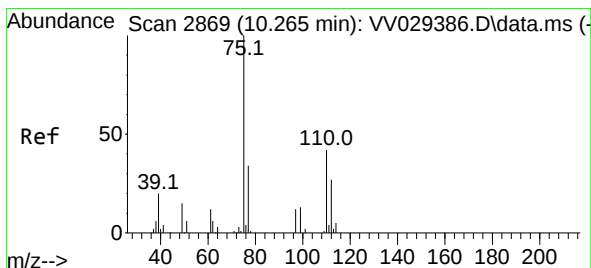
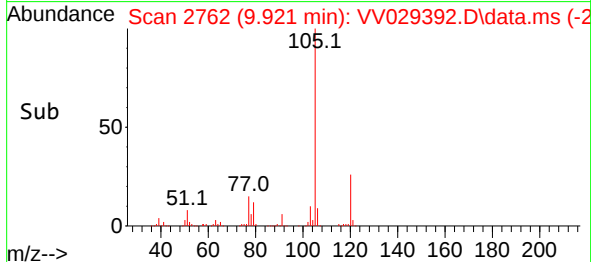
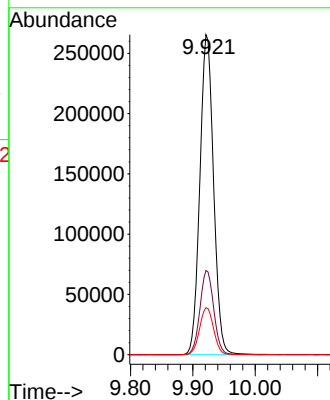
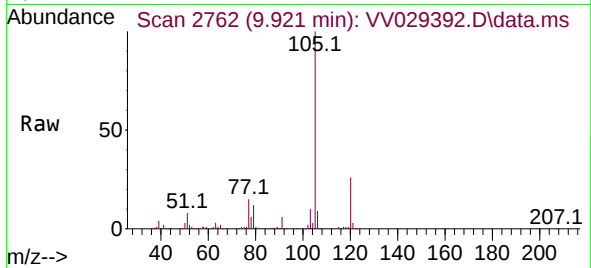




#60
Isopropylbenzene
Concen: 5.186 ug/L
RT: 9.921 min Scan# 2762
Delta R.T. -0.000 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

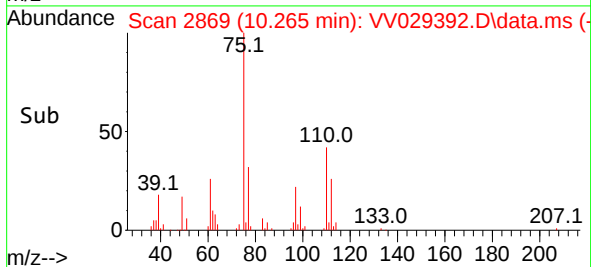
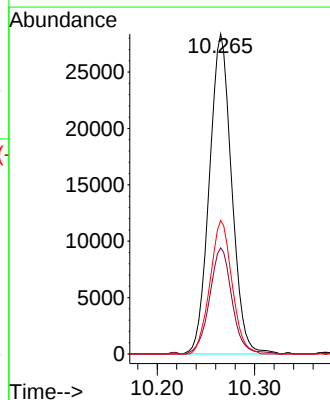
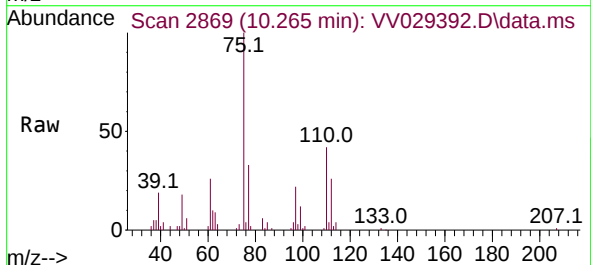
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

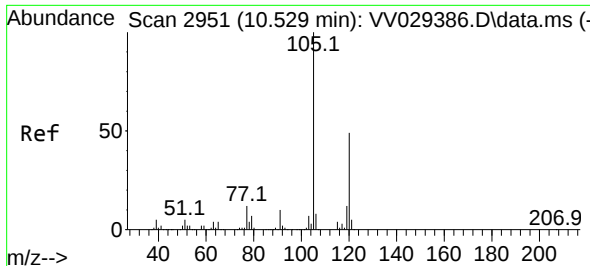
Tgt Ion:105 Resp: 406097
Ion Ratio Lower Upper
105 100
120 26.5 21.4 32.2
77 15.0 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.373 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. -0.000 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

Tgt Ion: 75 Resp: 45135
Ion Ratio Lower Upper
75 100
77 33.3 26.7 40.1
110 41.2 32.2 48.4

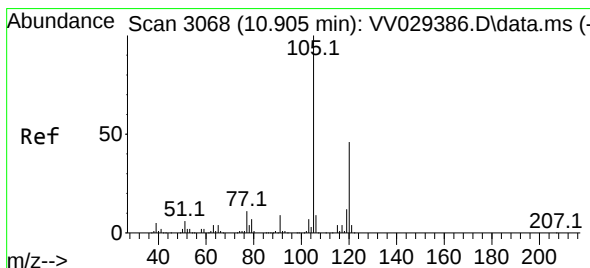
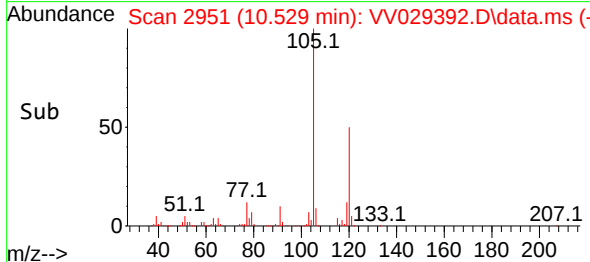
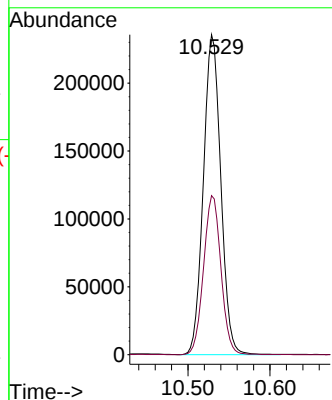
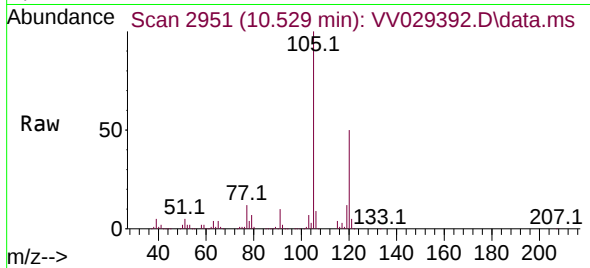




#62
 1,3,5-Trimethylbenzene
 Concen: 5.142 ug/L
 RT: 10.529 min Scan# 2951
 Delta R.T. -0.000 min
 Lab File: VV029392.D
 Acq: 02 Dec 2022 14:40

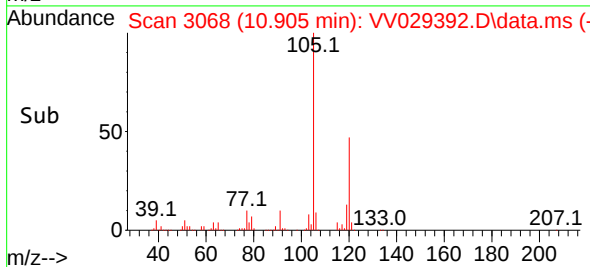
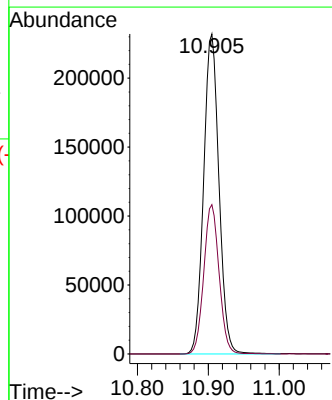
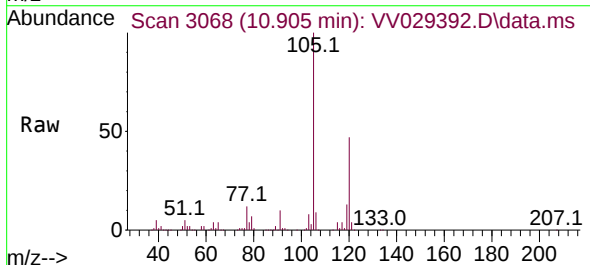
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005375

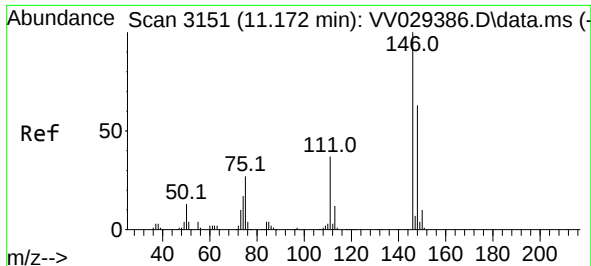
Tgt Ion:105 Resp: 348608
 Ion Ratio Lower Upper
 105 100
 120 49.6 39.6 59.4



#63
 1,2,4-Trimethylbenzene
 Concen: 5.106 ug/L
 RT: 10.905 min Scan# 3068
 Delta R.T. -0.000 min
 Lab File: VV029392.D
 Acq: 02 Dec 2022 14:40

Tgt Ion:105 Resp: 348208
 Ion Ratio Lower Upper
 105 100
 120 46.6 37.2 55.8

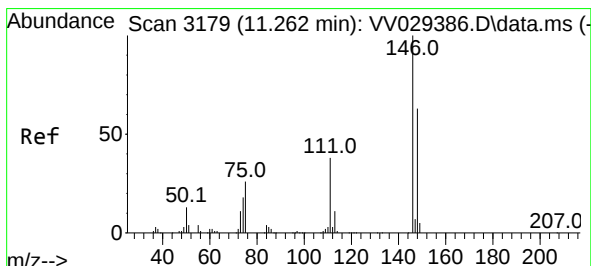
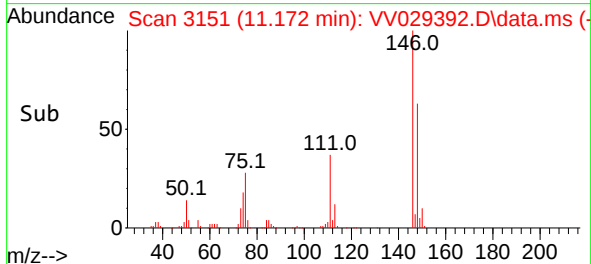
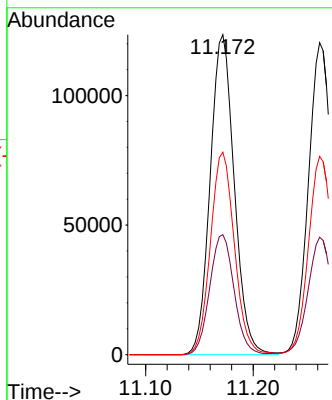
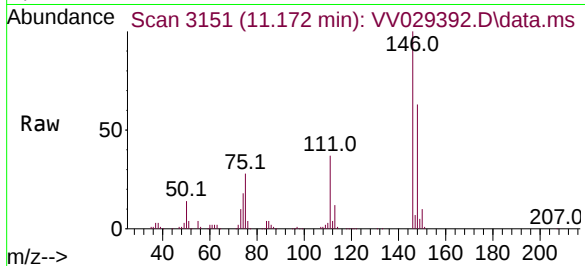




#64
1,3-Dichlorobenzene
Concen: 5.261 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

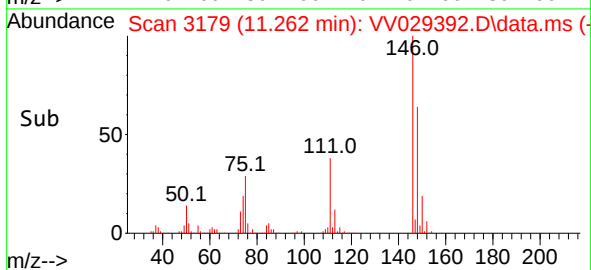
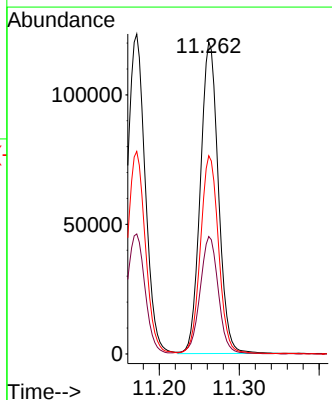
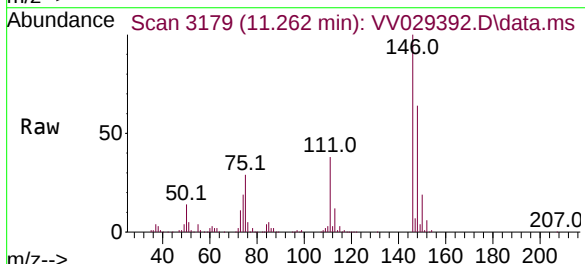
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

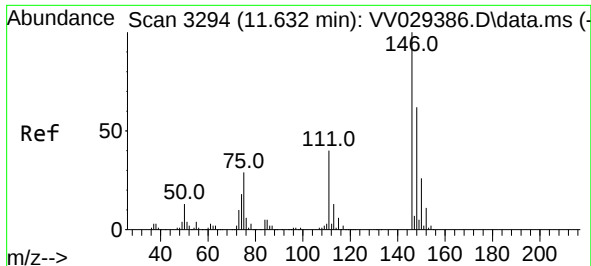
Tgt Ion:146 Resp: 192204
Ion Ratio Lower Upper
146 100
111 37.5 26.3 48.9
148 63.3 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 5.222 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

Tgt Ion:146 Resp: 188734
Ion Ratio Lower Upper
146 100
111 37.6 26.0 48.4
148 63.5 44.7 82.9

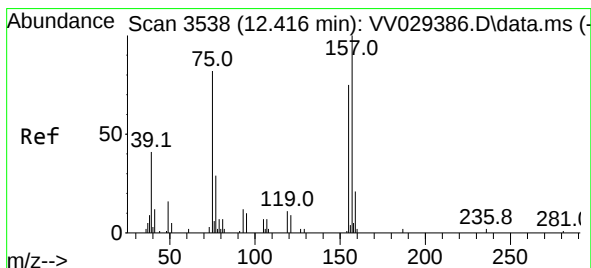
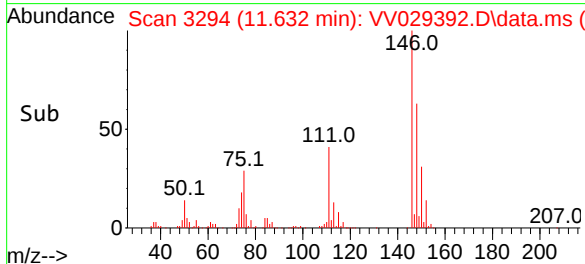
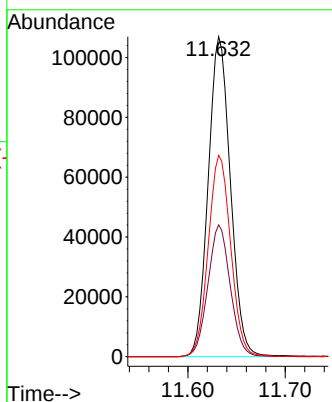
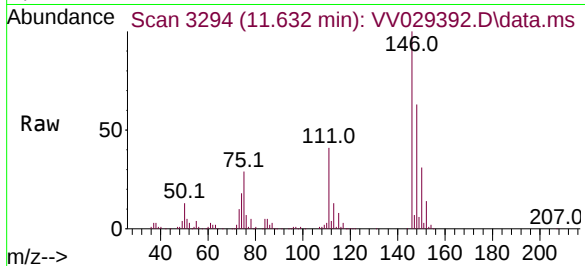




#67
1,2-Dichlorobenzene
Concen: 5.038 ug/L
RT: 11.632 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

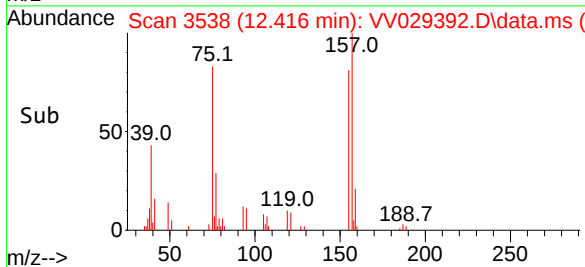
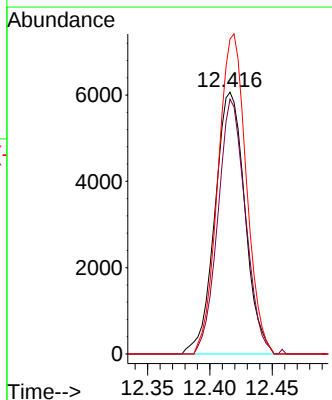
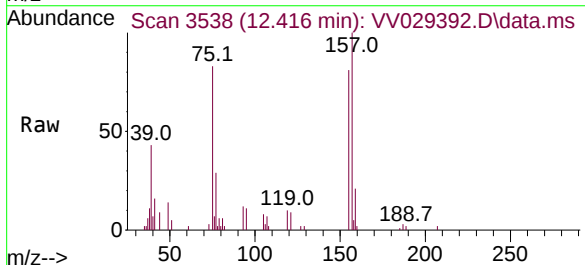
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

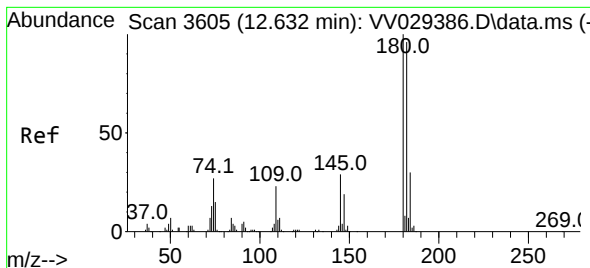
Tgt Ion:146 Resp: 169571
Ion Ratio Lower Upper
146 100
111 41.2 33.5 50.3
148 62.9 50.7 76.1



#68
1,2-Dibromo-3-chloropropane
Concen: 6.155 ug/L
RT: 12.416 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VV029392.D
Acq: 02 Dec 2022 14:40

Tgt Ion: 75 Resp: 10154
Ion Ratio Lower Upper
75 100
155 97.3 76.6 115.0
157 120.4 96.9 145.3





#69

1,3,5-Trichlorobenzene

Concen: 4.934 ug/L

RT: 12.632 min Scan# 3605

Delta R.T. -0.000 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

Tgt Ion:180 Resp: 148519

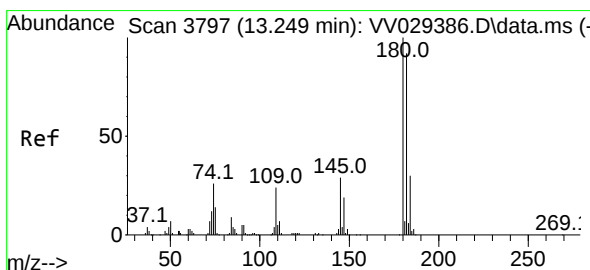
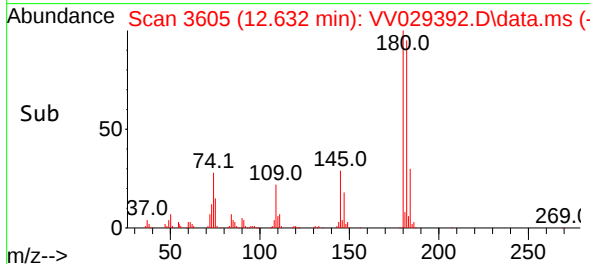
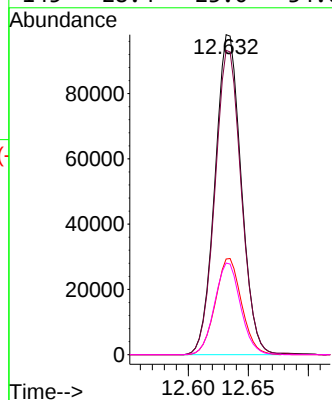
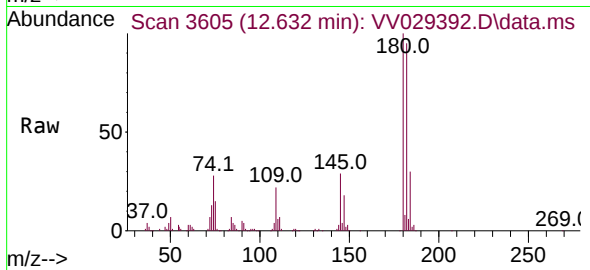
Ion Ratio Lower Upper

180 100

182 95.9 77.0 115.6

184 30.1 24.4 36.6

145 28.4 23.0 34.6



#70

1,2,4-trichlorobenzene

Concen: 5.024 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. -0.000 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

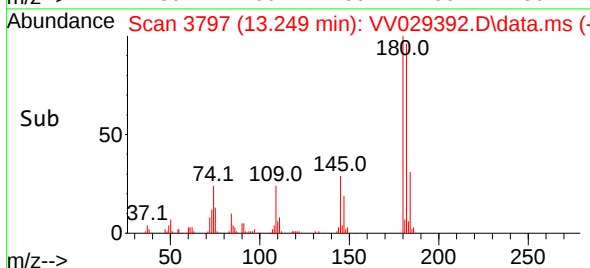
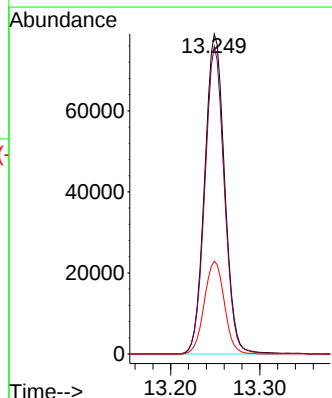
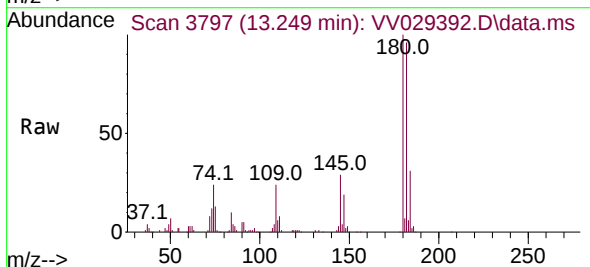
Tgt Ion:180 Resp: 122534

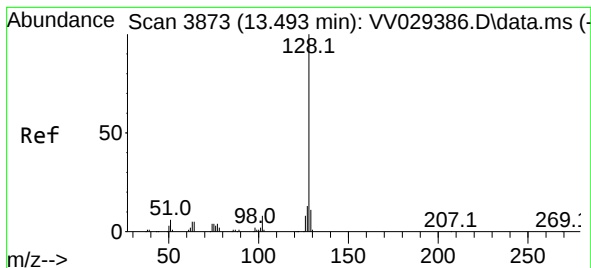
Ion Ratio Lower Upper

180 100

182 94.3 76.2 114.4

145 29.1 23.4 35.0





#71

Naphthalene

Concen: 5.436 ug/L

RT: 13.493 min Scan# 3873

Delta R.T. -0.000 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

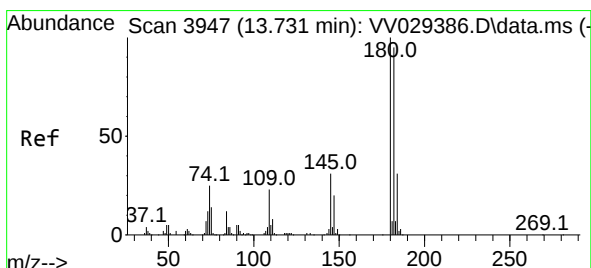
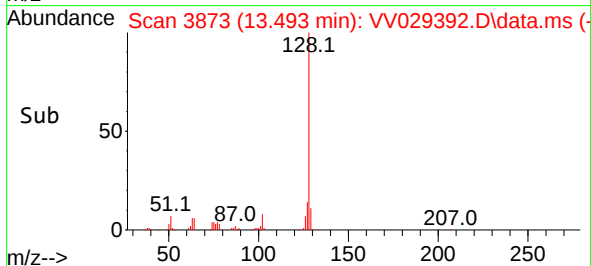
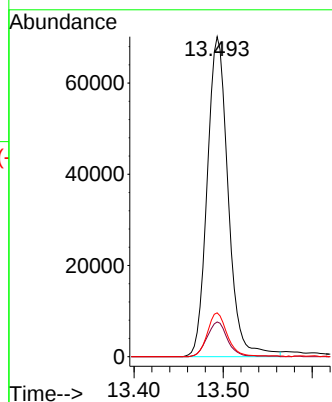
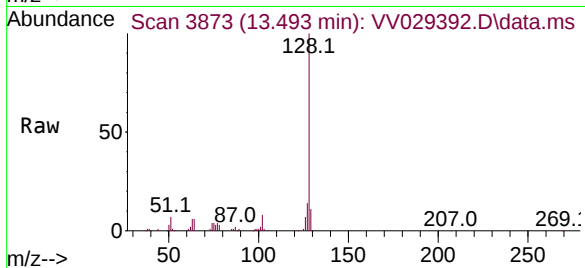
Tgt Ion:128 Resp: 114768

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

127 13.0 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 5.114 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. -0.000 min

Lab File: VV029392.D

Acq: 02 Dec 2022 14:40

Tgt Ion:180 Resp: 101539

Ion Ratio Lower Upper

180 100

182 94.4 75.0 112.4

145 31.5 25.2 37.8

