

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120222\
 Data File : VW029386.D
 Acq On : 02 Dec 2022 10:50
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005374

Quant Time: Dec 02 21:13:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 30 00:19:33 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	258221	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	229443	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	116544	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	65960	4.151	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	83.000%	
7) Chloroethane-d5	1.565	69	53922	4.635	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	92.800%	
11) 1,1-Dichloroethene-d2	2.105	63	112082	4.408	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	88.200%	
20) 2-Butanone-d5	3.905	46	133705	50.296	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	100.600%	
24) Chloroform-d	4.339	84	145143	5.117	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	102.400%	
26) 1,2-Dichloroethane-d4	5.024	65	62545	5.012	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	100.200%	
32) Benzene-d6	5.040	84	298008	4.700	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	94.000%	
36) 1,2-Dichloropropane-d6	6.063	67	87116	4.889	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	97.800%	
41) Toluene-d8	7.307	98	273824	4.575	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	91.600%	
43) trans-1,3-Dichloroprop...	7.616	79	33332	4.852	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	97.000%	
46) 2-Hexanone-d5	8.085	63	139265	56.870	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	113.740%	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	61108	5.558	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	111.200%	
66) 1,2-Dichlorobenzene-d4	11.612	152	100432	4.933	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	98.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	93830	4.870	ug/L	98
3) Chloromethane	1.240	50	103175	5.845	ug/L	98
5) Vinyl chloride	1.311	62	93774	5.331	ug/L	98
6) Bromomethane	1.520	94	40234	3.665	ug/L	98
8) Chloroethane	1.584	64	55707	5.328	ug/L	98
9) Trichlorofluoromethane	1.751	101	126834	5.151	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	69824	5.086	ug/L	98
12) 1,1-Dichloroethene	2.114	96	70126	5.282	ug/L	92
13) Acetone	2.204	43	84040	43.479	ug/L	57
14) Carbon disulfide	2.291	76	224660	5.823	ug/L	100
15) Methyl Acetate	2.439	43	21490	3.869	ug/L #	88
16) Methylene chloride	2.503	84	95246	4.695	ug/L	95
17) Methyl tert-butyl Ether	2.764	73	177828	5.238	ug/L	99
18) trans-1,2-Dichloroethene	2.754	96	83746	5.496	ug/L	97
19) 1,1-Dichloroethane	3.182	63	150964	5.504	ug/L	97
21) 2-Butanone	3.986	43	145598	48.118	ug/L	99
22) cis-1,2-Dichloroethene	3.902	96	95127	5.458	ug/L	93
23) Bromochloromethane	4.240	128	38285	5.484	ug/L	98
25) Chloroform	4.365	83	155371	5.426	ug/L	98

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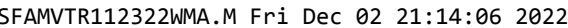
Instrument :
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 ClientSampleId :
 VSTD005374

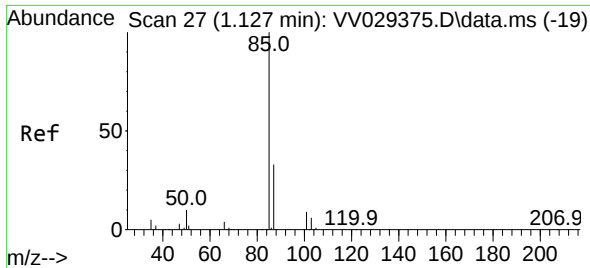
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	81511	5.254	ug/L	96
29) 1,1,1-Trichloroethane	4.600	97	138566	5.251	ug/L	99
30) Cyclohexane	4.667	56	133857	5.132	ug/L	97
31) Carbon tetrachloride	4.818	117	118741	5.320	ug/L	98
33) Benzene	5.092	78	358875	5.230	ug/L	100
34) Trichloroethene	5.905	95	90469	5.168	ug/L	93
35) Methylcyclohexane	6.124	83	141699	4.795	ug/L	98
37) 1,2-Dichloropropane	6.166	63	85590	5.295	ug/L	99
38) Bromodichloromethane	6.503	83	111826	5.779	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	115261	4.878	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	396038	52.355	ug/L	99
42) Toluene	7.378	91	384236	5.217	ug/L	100
44) trans-1,3-Dichloropropene	7.641	75	92413	4.937	ug/L	100
45) 1,1,2-Trichloroethane	7.831	97	59213	5.410	ug/L	98
47) Tetrachloroethene	7.966	164	70723	4.928	ug/L	97
48) 2-Hexanone	8.137	43	274130	51.984	ug/L	99
49) Dibromochloromethane	8.236	129	72927	5.924	ug/L	96
50) 1,2-Dibromoethane	8.342	107	52827	5.532	ug/L	100
51) Chlorobenzene	8.873	112	231784	5.035	ug/L	99
52) Ethylbenzene	9.002	91	395577	5.152	ug/L	99
53) m,p-Xylene	9.130	106	152524	5.036	ug/L	97
54) o-Xylene	9.535	106	151424	5.090	ug/L	98
55) Styrene	9.551	104	260961	5.196	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.233	83	65113	5.750	ug/L	97
59) Bromoform	9.722	173	39074	6.382	ug/L	100
60) Isopropylbenzene	9.921	105	402537	5.342	ug/L	99
61) 1,2,3-Trichloropropane	10.265	75	43859	5.426	ug/L	100
62) 1,3,5-Trimethylbenzene	10.529	105	346089	5.305	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	346743	5.284	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	190902	5.431	ug/L	99
65) 1,4-Dichlorobenzene	11.262	146	183614	5.280	ug/L	99
67) 1,2-Dichlorobenzene	11.632	146	173731	5.364	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.416	75	9964	6.277	ug/L	97
69) 1,3,5-Trichlorobenzene	12.632	180	150049	5.181	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	120954	5.154	ug/L	99
71) Naphthalene	13.493	128	106876	5.261	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	102047	5.341	ug/L	99

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

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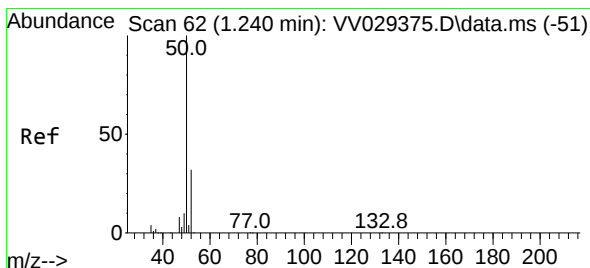
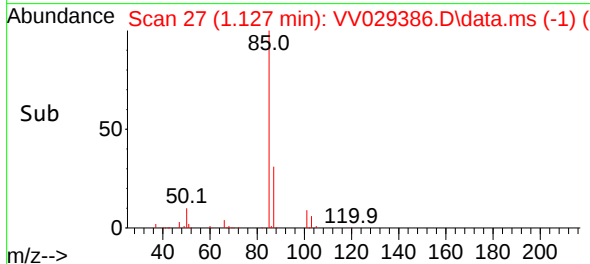
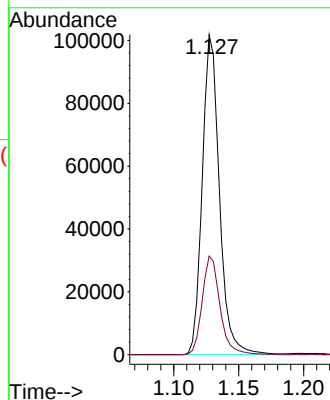
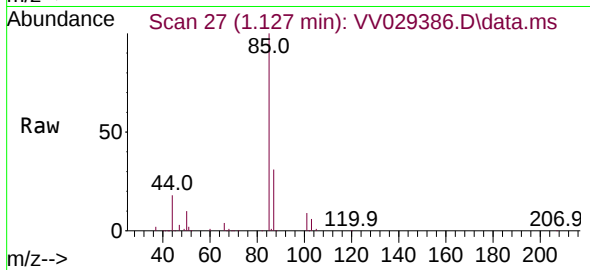




#2
 Dichlorodifluoromethane
 Concen: 4.870 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV029386.D
 Acq: 02 Dec 2022 10:50

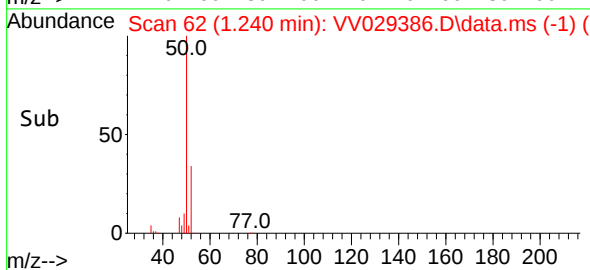
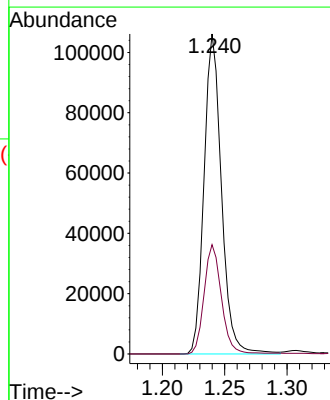
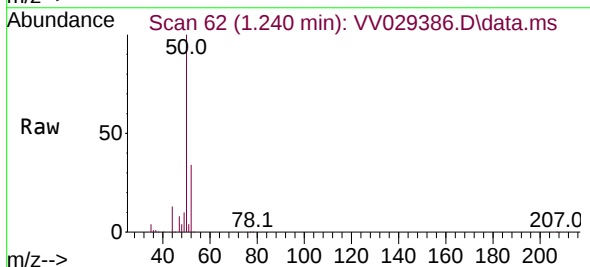
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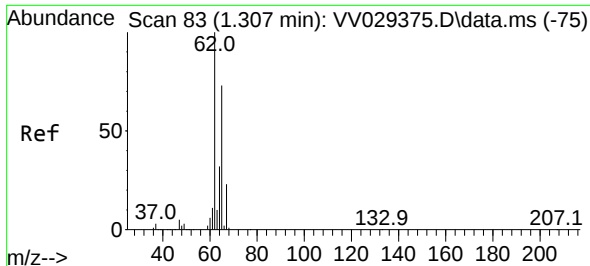
Tgt Ion: 85 Resp: 93830
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.2 39.4



#3
 Chloromethane
 Concen: 5.845 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV029386.D
 Acq: 02 Dec 2022 10:50

Tgt Ion: 50 Resp: 103175
 Ion Ratio Lower Upper
 50 100
 52 34.2 23.2 43.2

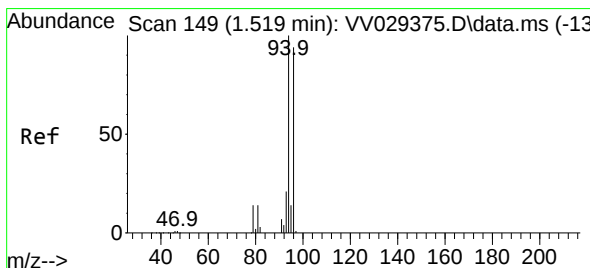
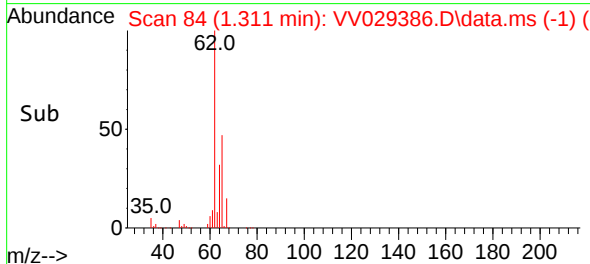
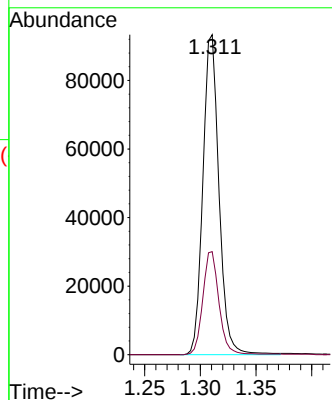
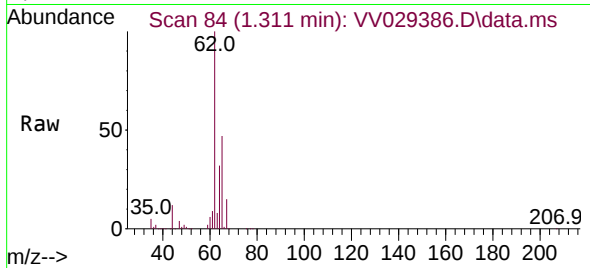




#5
 Vinyl chloride
 Concen: 5.331 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV029386.D
 Acq: 02 Dec 2022 10:50

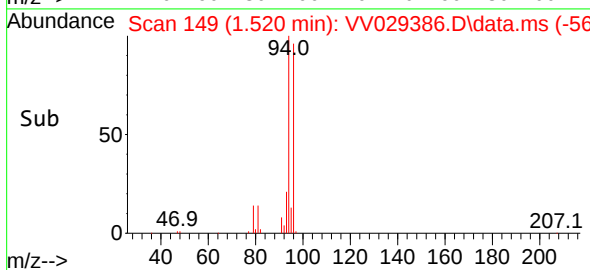
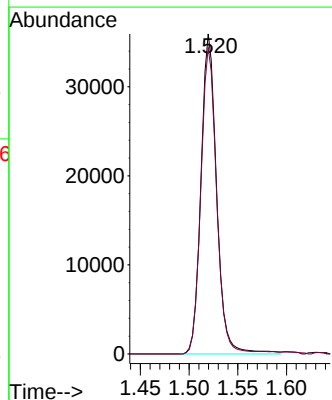
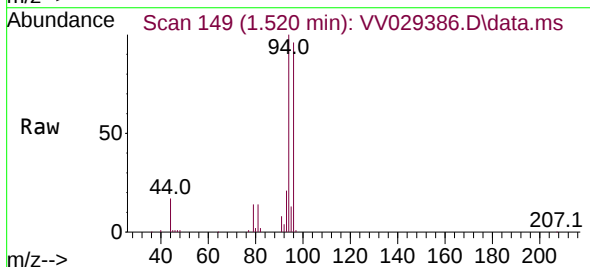
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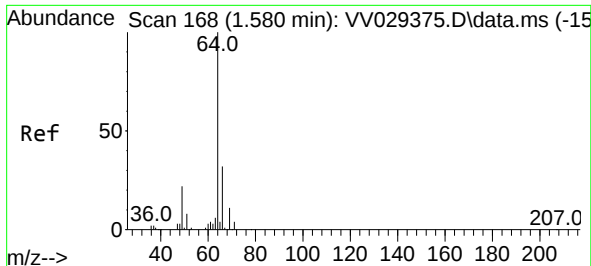
Tgt Ion: 62 Resp: 93774
 Ion Ratio Lower Upper
 62 100
 64 32.2 23.4 43.4



#6
 Bromomethane
 Concen: 3.665 ug/L
 RT: 1.520 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV029386.D
 Acq: 02 Dec 2022 10:50

Tgt Ion: 94 Resp: 40234
 Ion Ratio Lower Upper
 94 100
 96 95.7 65.4 121.4

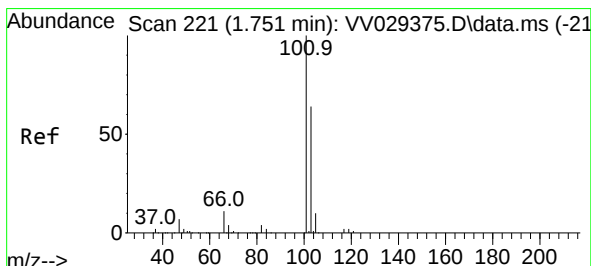
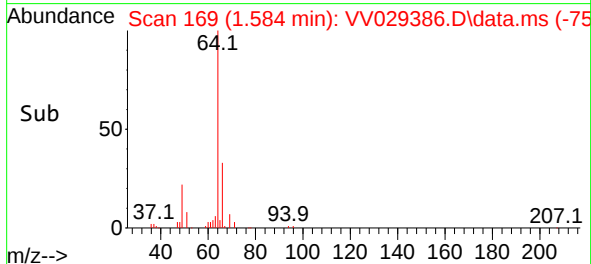
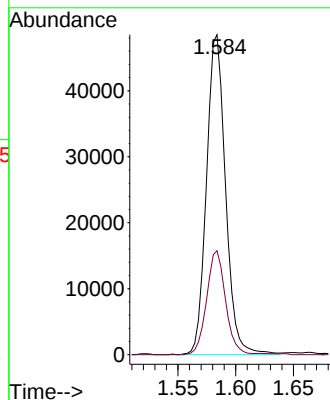
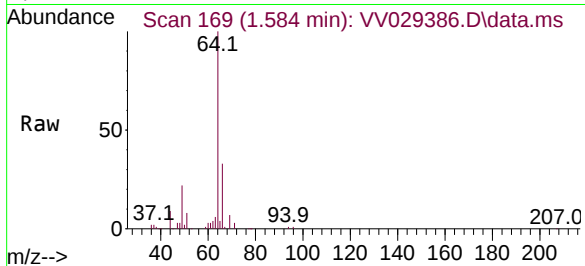




#8
Chloroethane
Concen: 5.328 ug/L
RT: 1.584 min Scan# 168
Delta R.T. 0.003 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

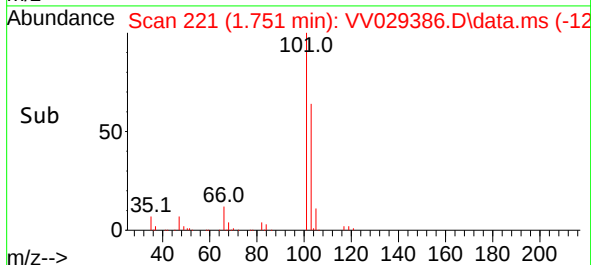
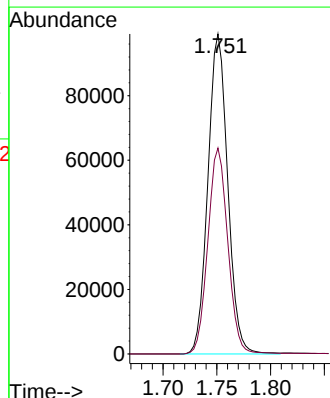
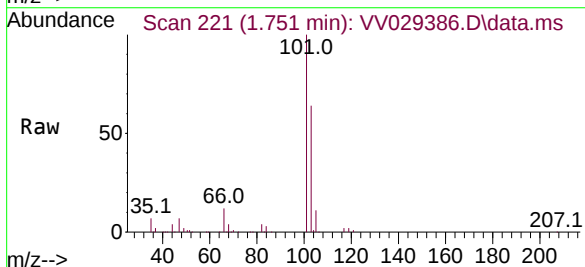
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ClientSampleId :
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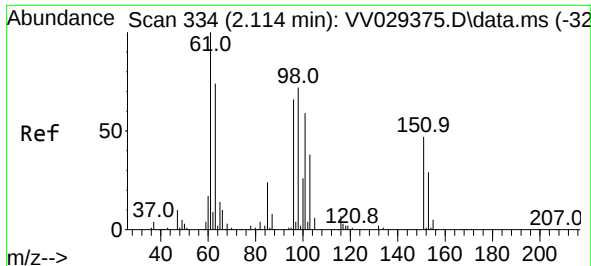
Tgt Ion: 64 Resp: 55707
Ion Ratio Lower Upper
64 100
66 32.5 23.5 43.7



#9
Trichlorofluoromethane
Concen: 5.151 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.000 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

Tgt Ion: 101 Resp: 126834
Ion Ratio Lower Upper
101 100
103 64.9 51.8 77.8

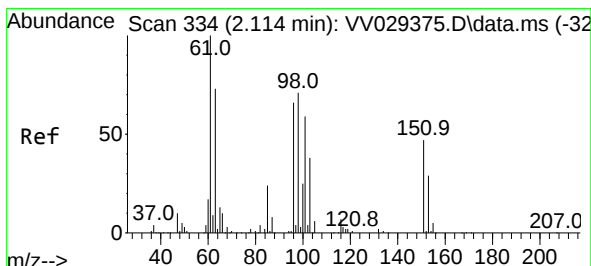
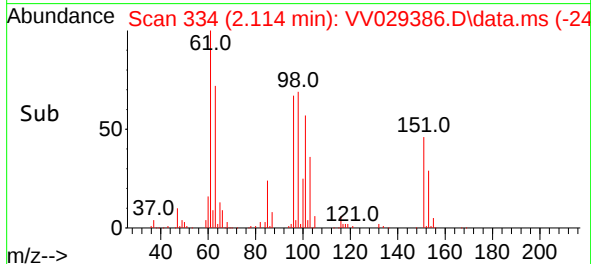
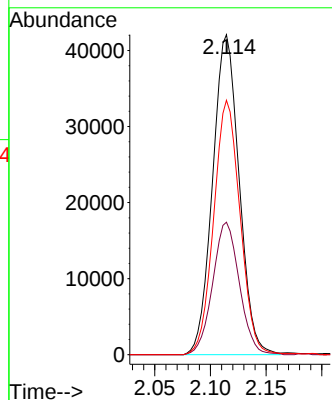
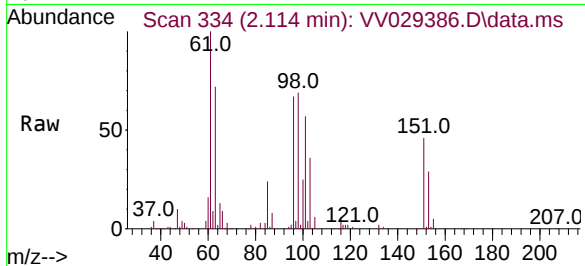




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.086 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV029386.D
 Acq: 02 Dec 2022 10:50

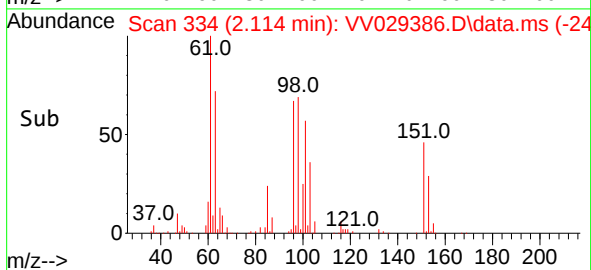
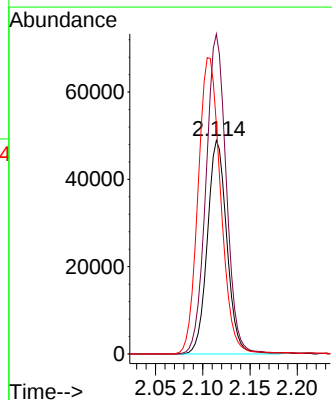
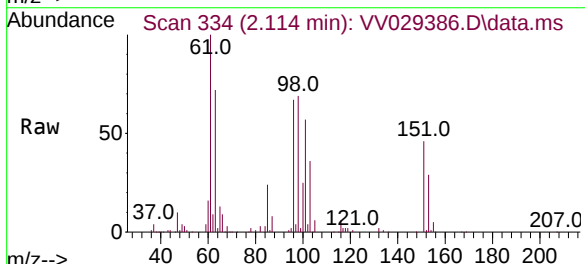
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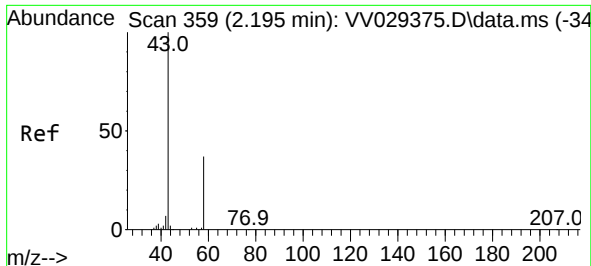
Tgt Ion:101 Resp: 69824
 Ion Ratio Lower Upper
 101 100
 85 41.6 33.6 50.4
 151 78.8 65.3 97.9



#12
 1,1-Dichloroethene
 Concen: 5.282 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV029386.D
 Acq: 02 Dec 2022 10:50

Tgt Ion: 96 Resp: 70126
 Ion Ratio Lower Upper
 96 100
 61 149.8 110.3 204.9
 63 107.6 84.4 156.8

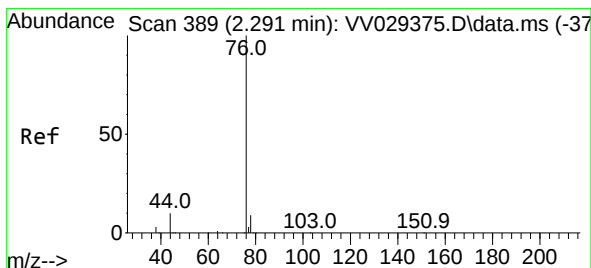
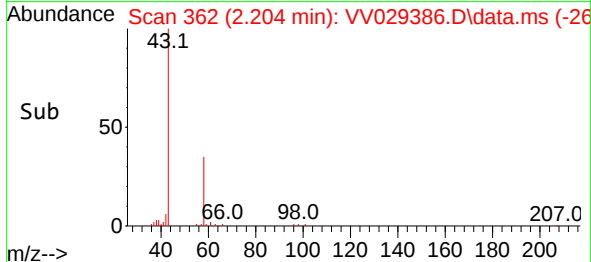
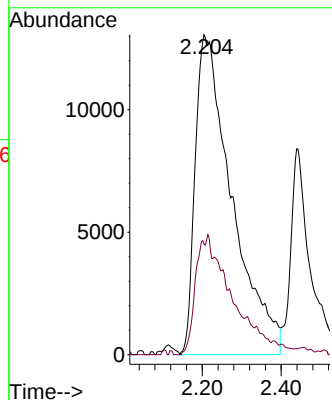
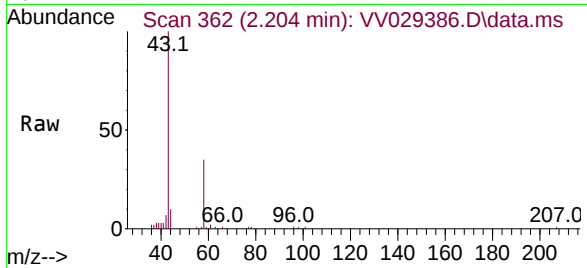




#13
Acetone
Concen: 43.479 ug/L
RT: 2.204 min Scan# 30
Delta R.T. 0.010 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

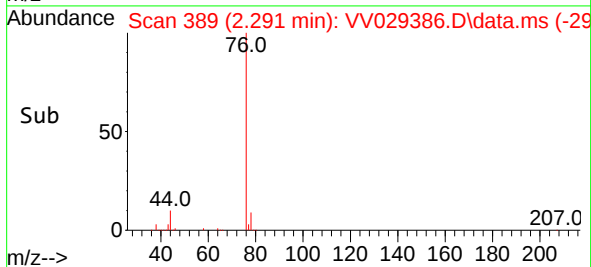
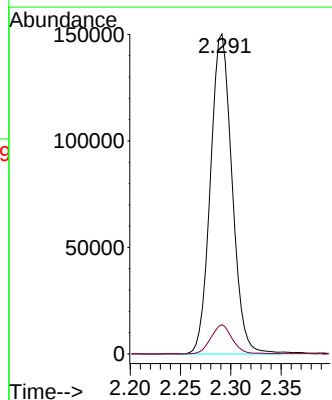
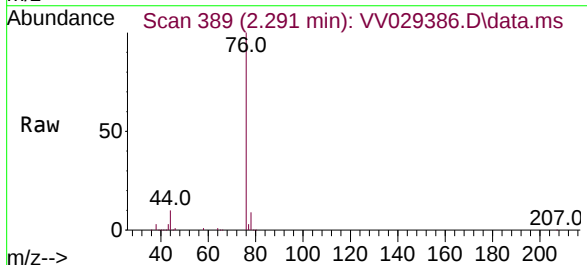
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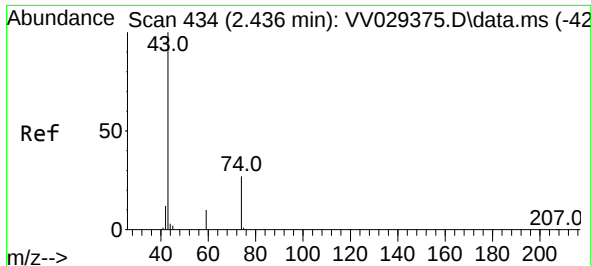
Tgt Ion: 43 Resp: 84040
Ion Ratio Lower Upper
43 100
58 10.4 0.0 70.8



#14
Carbon disulfide
Concen: 5.823 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.000 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

Tgt Ion: 76 Resp: 224660
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2

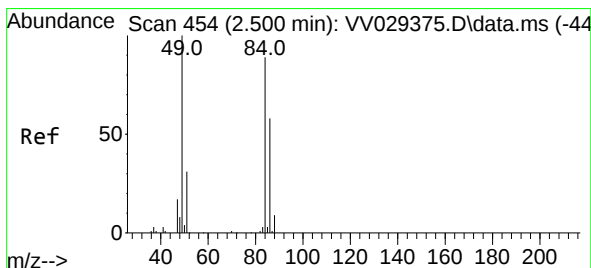
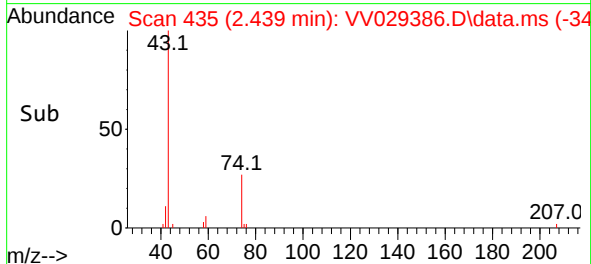
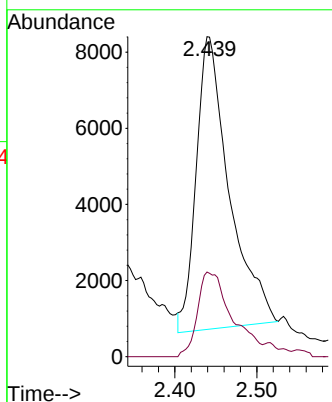
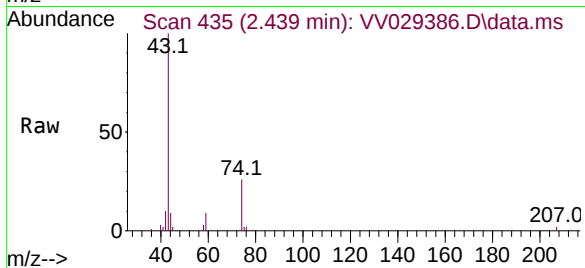




#15
Methyl Acetate
Concen: 3.869 ug/L
RT: 2.439 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

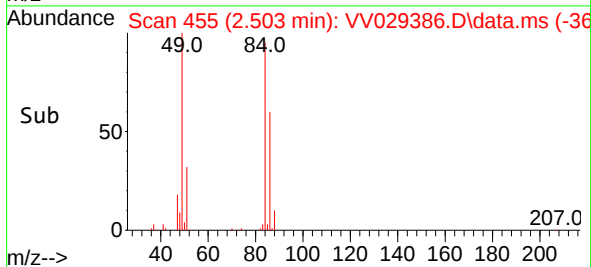
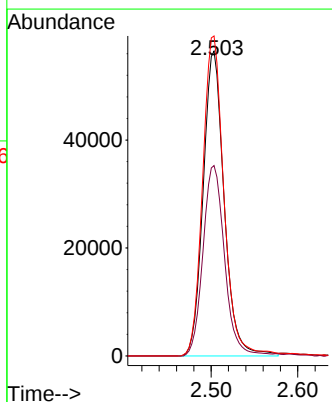
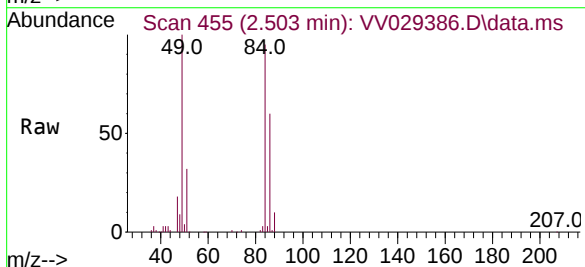
Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

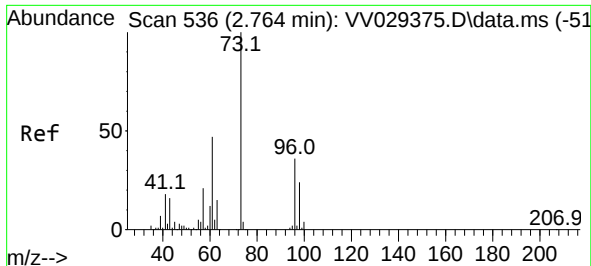
Tgt Ion: 43 Resp: 21490
Ion Ratio Lower Upper
43 100
74 30.3 19.6 29.4#



#16
Methylene chloride
Concen: 4.695 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.003 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

Tgt Ion: 84 Resp: 95246
Ion Ratio Lower Upper
84 100
86 62.5 45.6 84.6
49 105.0 77.8 144.4

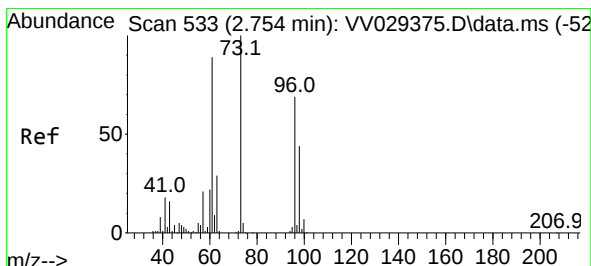
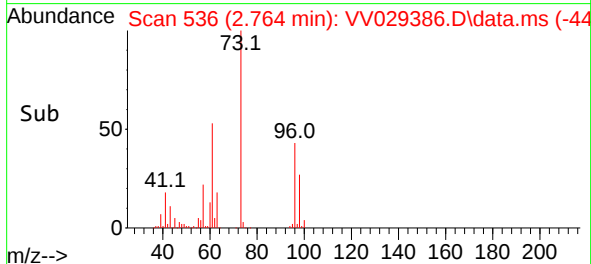
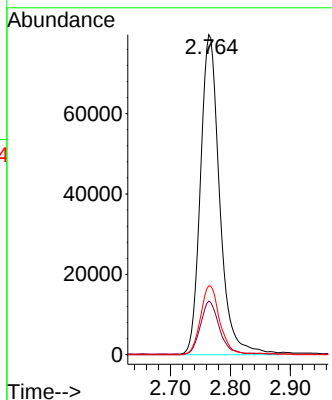
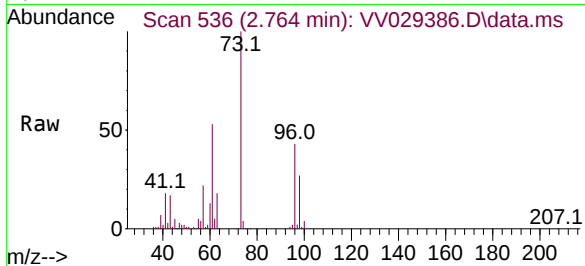




#17
Methyl tert-butyl Ether
Concen: 5.238 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

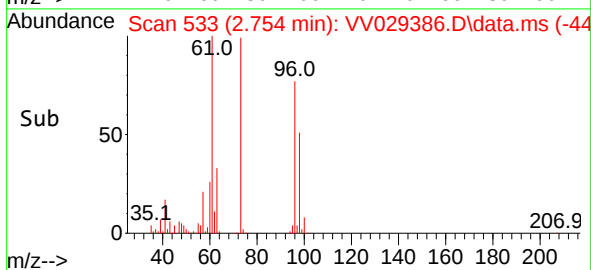
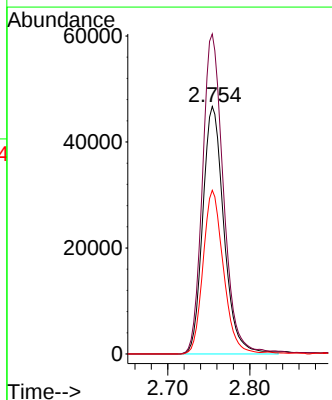
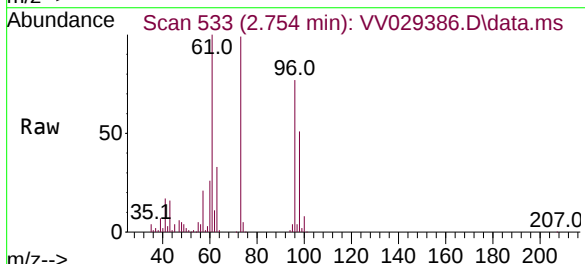
Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

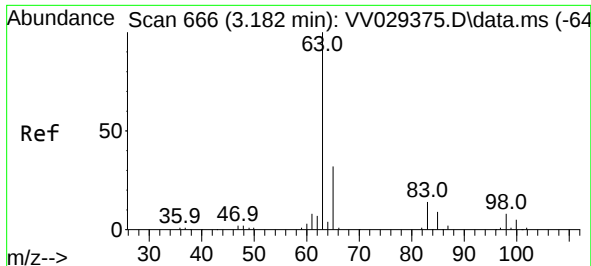
Tgt Ion: 73 Resp: 177828
Ion Ratio Lower Upper
73 100
43 15.9 13.2 19.8
57 21.4 16.9 25.3



#18
trans-1,2-Dichloroethene
Concen: 5.496 ug/L
RT: 2.754 min Scan# 533
Delta R.T. 0.000 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

Tgt Ion: 96 Resp: 83746
Ion Ratio Lower Upper
96 100
61 129.3 93.0 172.6
98 66.1 44.0 81.8





#19

1,1-Dichloroethane

Concen: 5.504 ug/L

RT: 3.182 min Scan# 666

Delta R.T. 0.000 min

Lab File: VV029386.D

Acq: 02 Dec 2022 10:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD005374

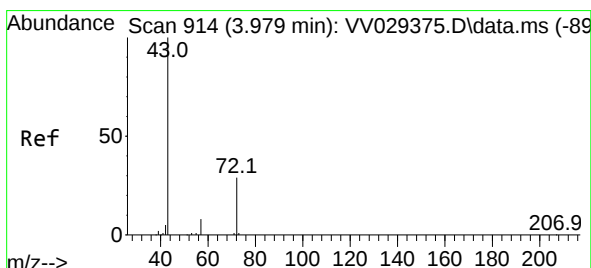
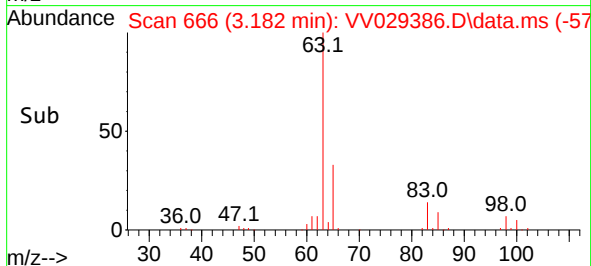
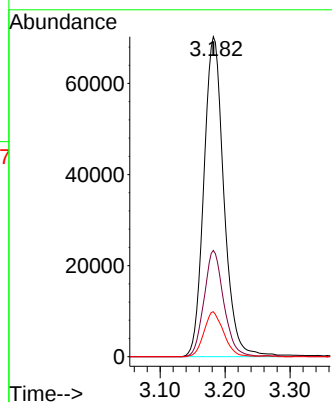
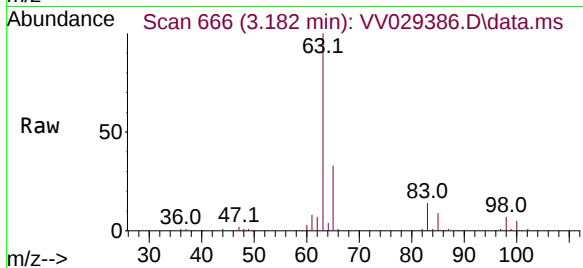
Tgt Ion: 63 Resp: 150964

Ion Ratio Lower Upper

63 100

65 33.2 21.6 40.2

83 14.0 10.3 19.1



#21

2-Butanone

Concen: 48.118 ug/L

RT: 3.986 min Scan# 916

Delta R.T. 0.007 min

Lab File: VV029386.D

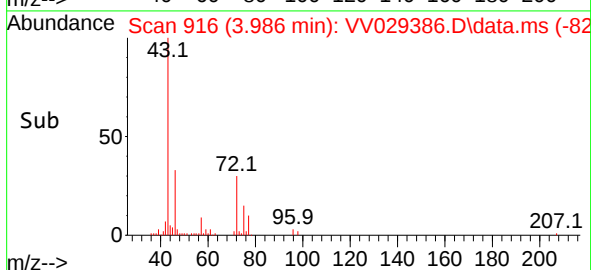
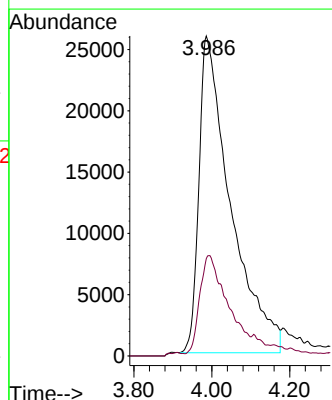
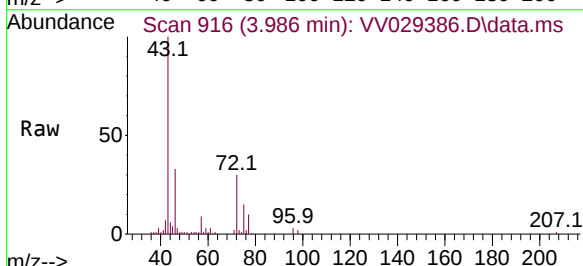
Acq: 02 Dec 2022 10:50

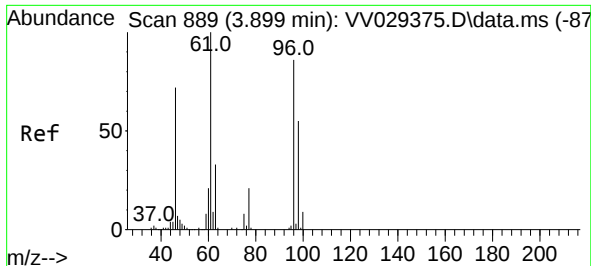
Tgt Ion: 43 Resp: 145598

Ion Ratio Lower Upper

43 100

72 27.0 13.8 41.3

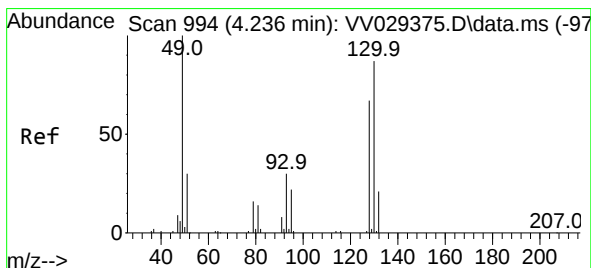
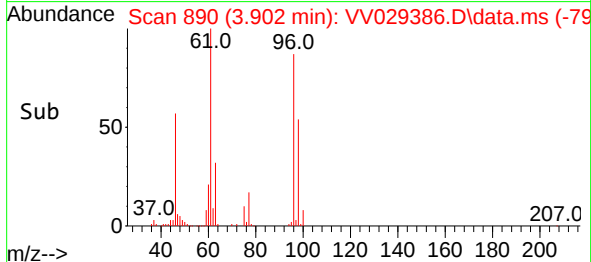
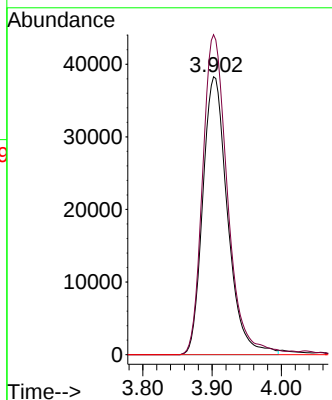
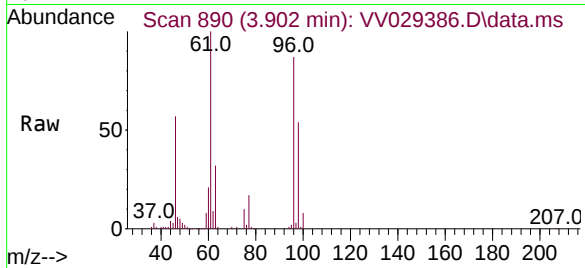




#22
 cis-1,2-Dichloroethene
 Concen: 5.458 ug/L
 RT: 3.902 min Scan# 890
 Delta R.T. 0.003 min
 Lab File: VV029386.D
 Acq: 02 Dec 2022 10:50

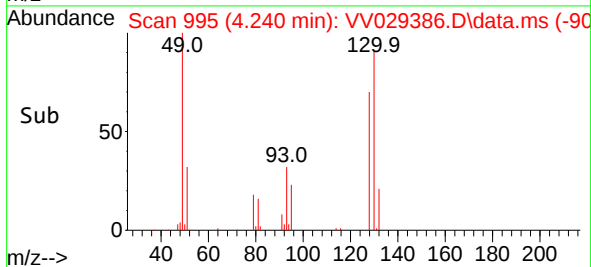
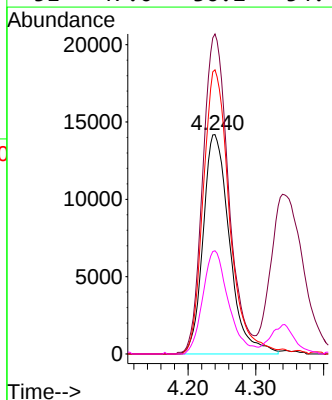
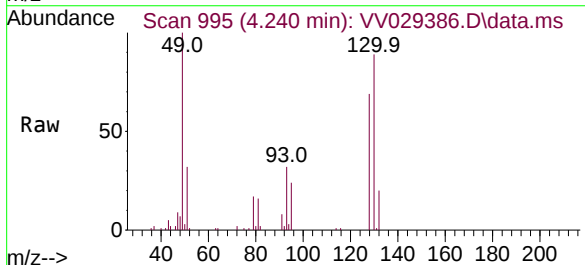
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005374

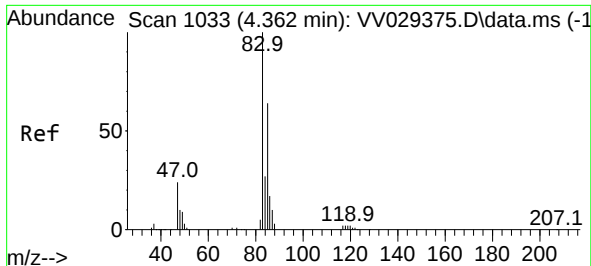
Tgt Ion: 96 Resp: 95127
 Ion Ratio Lower Upper
 96 100
 61 115.1 85.8 159.3
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.484 ug/L
 RT: 4.240 min Scan# 995
 Delta R.T. 0.003 min
 Lab File: VV029386.D
 Acq: 02 Dec 2022 10:50

Tgt Ion: 128 Resp: 38285
 Ion Ratio Lower Upper
 128 100
 49 145.9 100.0 185.8
 130 129.5 90.2 167.6
 51 47.0 36.2 54.4

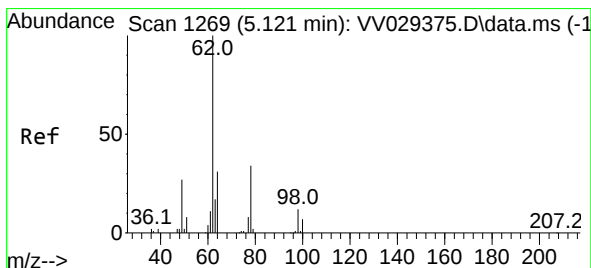
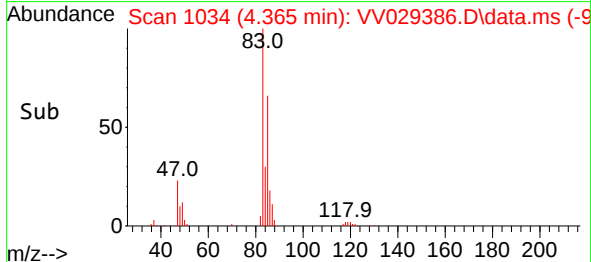
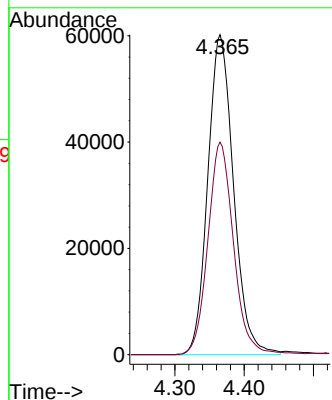
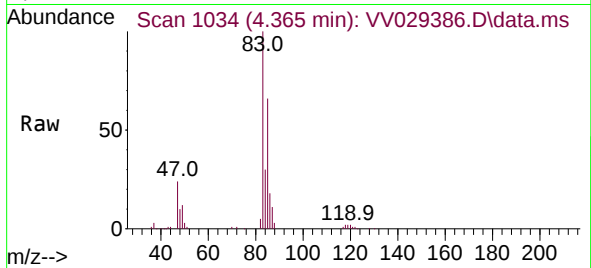




#25
Chloroform
Concen: 5.426 ug/L
RT: 4.365 min Scan# 1033
Delta R.T. 0.003 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

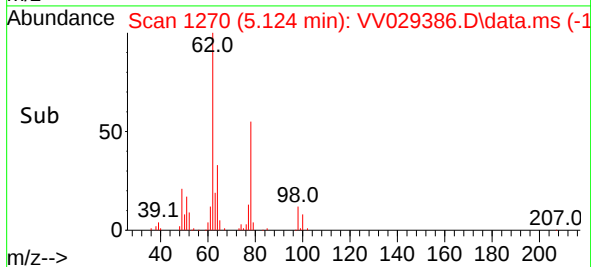
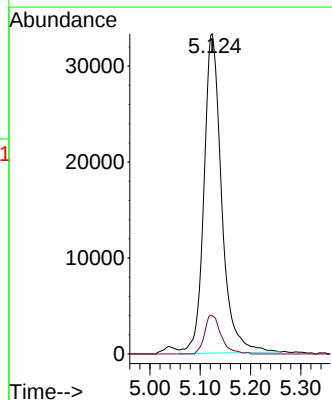
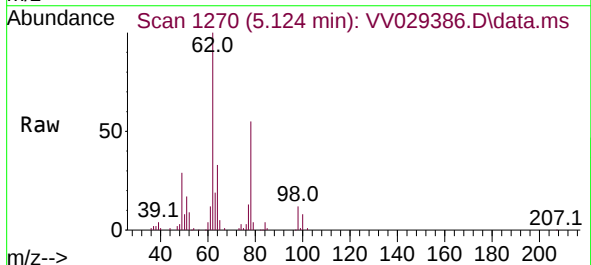
Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

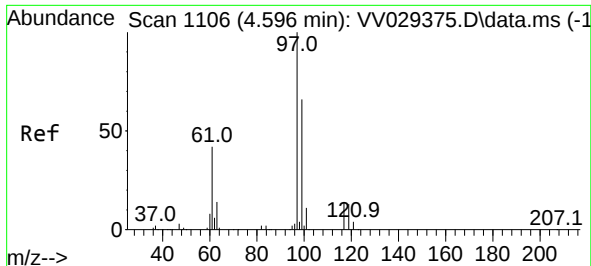
Tgt Ion: 83 Resp: 155371
Ion Ratio Lower Upper
83 100
85 66.4 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.254 ug/L
RT: 5.124 min Scan# 1270
Delta R.T. 0.003 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

Tgt Ion: 62 Resp: 81511
Ion Ratio Lower Upper
62 100
98 11.9 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 5.251 ug/L

RT: 4.600 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VV029386.D

Acq: 02 Dec 2022 10:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD005374

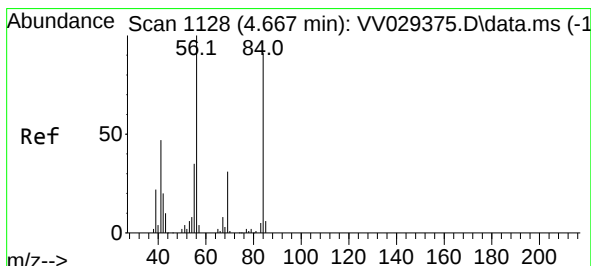
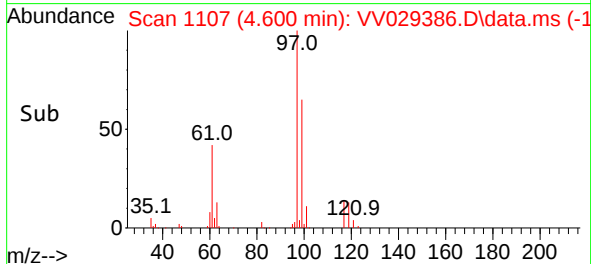
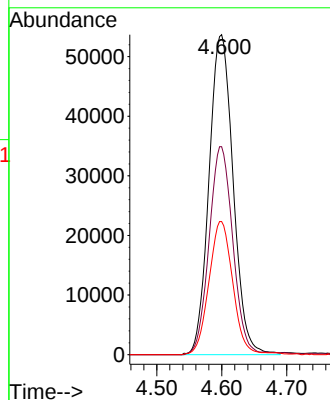
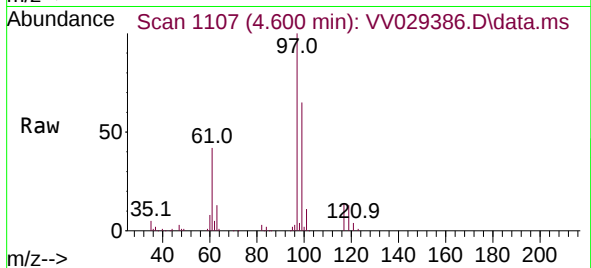
Tgt Ion: 97 Resp: 138566

Ion Ratio Lower Upper

97 100

99 64.2 51.2 76.8

61 41.0 33.3 49.9



#30

Cyclohexane

Concen: 5.132 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VV029386.D

Acq: 02 Dec 2022 10:50

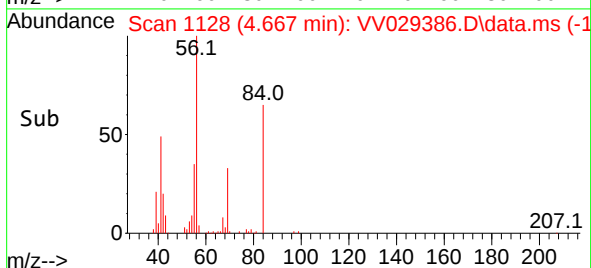
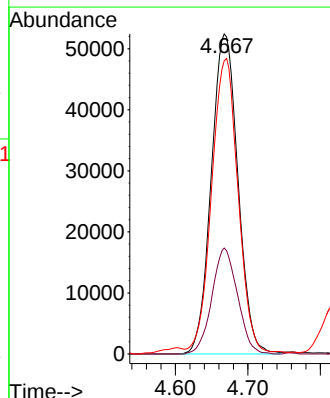
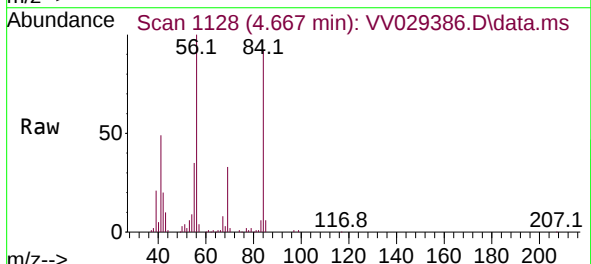
Tgt Ion: 56 Resp: 133857

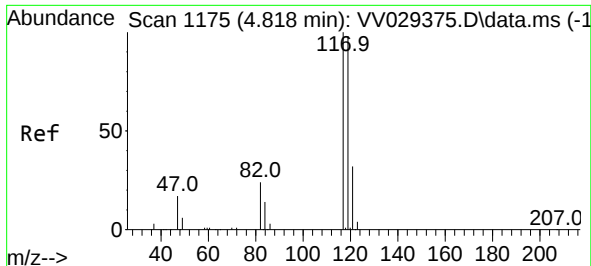
Ion Ratio Lower Upper

56 100

69 31.8 26.1 39.1

84 90.6 75.6 113.4

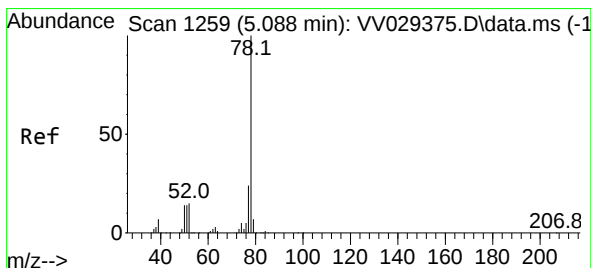
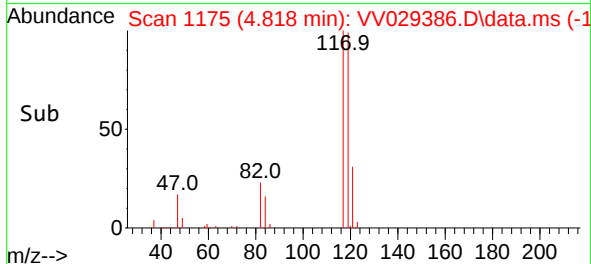
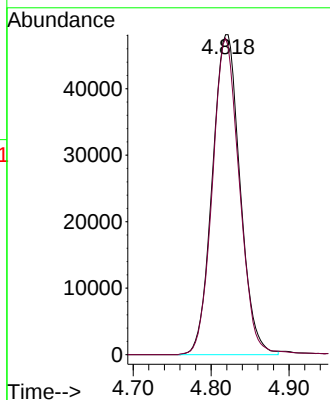
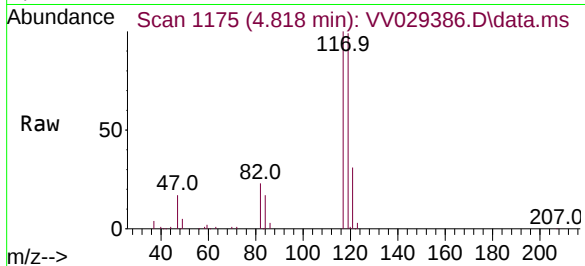




#31
Carbon tetrachloride
Concen: 5.320 ug/L
RT: 4.818 min Scan# 1175
Delta R.T. 0.000 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

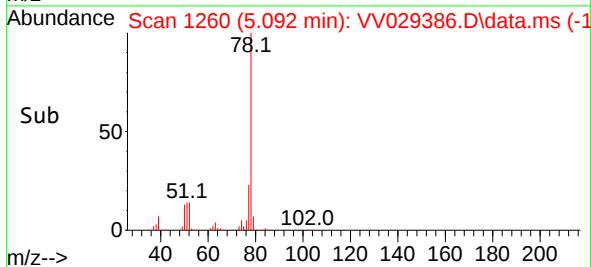
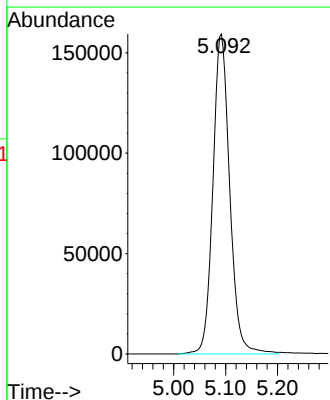
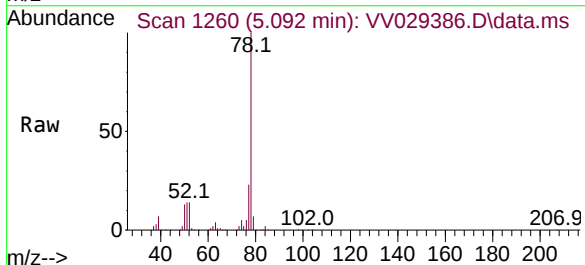
Instrument : MSVOA_V
ClientSampleId : VSTD005374

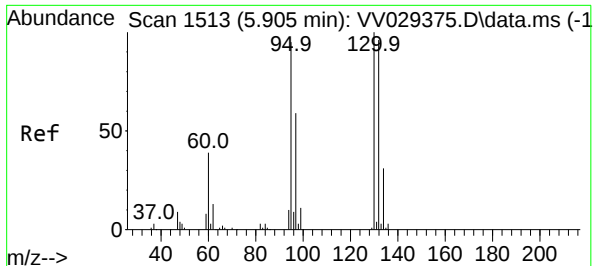
Tgt Ion:117 Resp: 118741
Ion Ratio Lower Upper
117 100
119 96.4 75.7 113.5



#33
Benzene
Concen: 5.230 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.003 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

Tgt Ion: 78 Resp: 358875

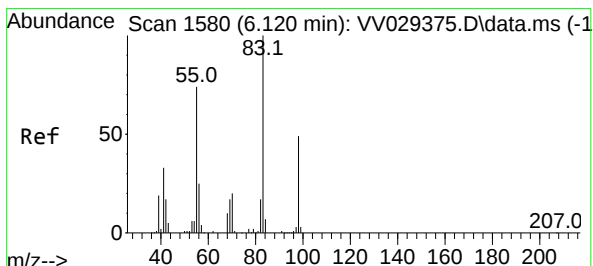
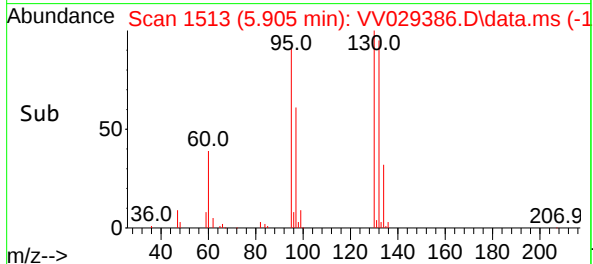
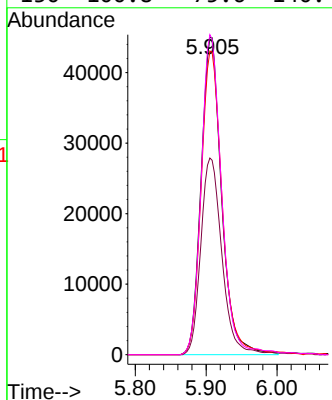
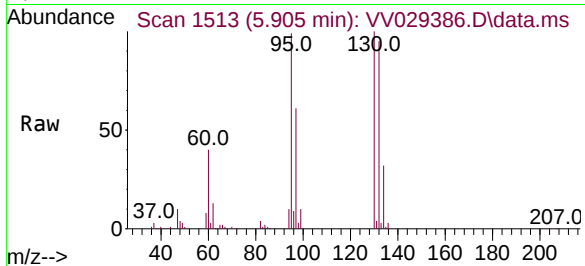




#34
Trichloroethene
Concen: 5.168 ug/L
RT: 5.905 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

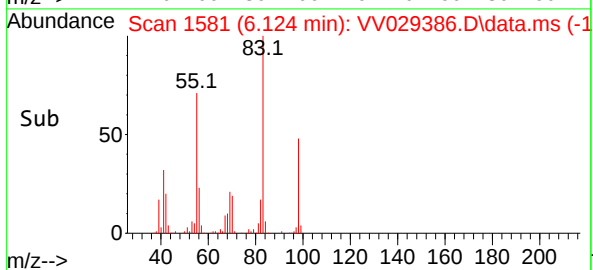
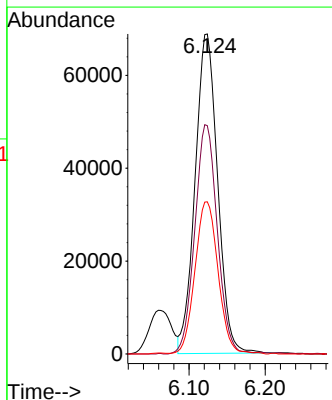
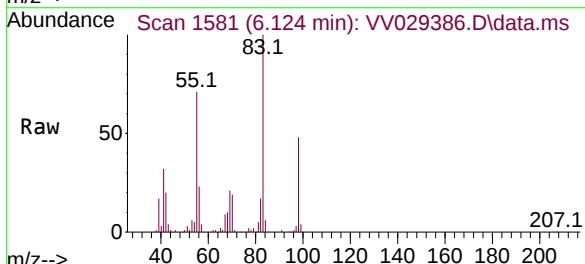
Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

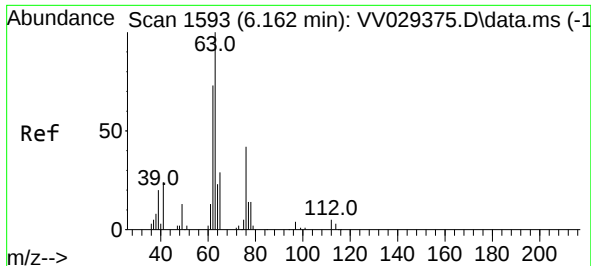
Tgt Ion:	95	Resp:	90469
Ion	Ratio	Lower	Upper
95	100		
97	62.0	45.4	84.4
132	95.7	73.3	136.1
130	100.8	75.6	140.4



#35
Methylcyclohexane
Concen: 4.795 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. 0.003 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

Tgt Ion:	83	Resp:	141699
Ion	Ratio	Lower	Upper
83	100		
55	71.8	55.4	83.2
98	48.3	39.4	59.2





#37

1,2-Dichloropropane

Concen: 5.295 ug/L

RT: 6.166 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV029386.D

Acq: 02 Dec 2022 10:50

Instrument :

MSVOA_V

ClientSampleId :

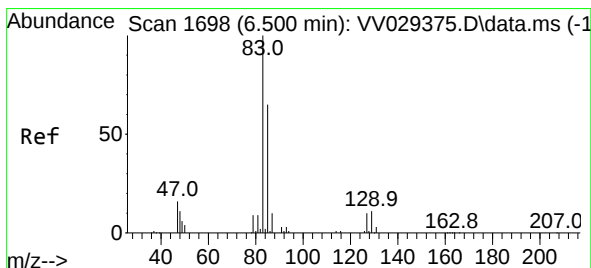
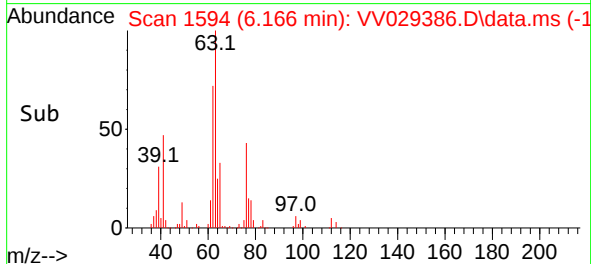
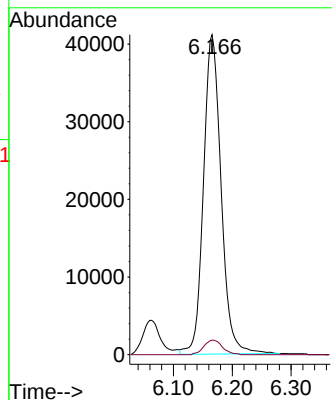
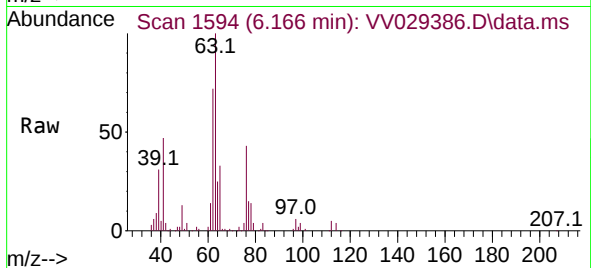
VSTD005374

Tgt Ion: 63 Resp: 85590

Ion Ratio Lower Upper

63 100

112 4.8 4.1 6.1



#38

Bromodichloromethane

Concen: 5.779 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.003 min

Lab File: VV029386.D

Acq: 02 Dec 2022 10:50

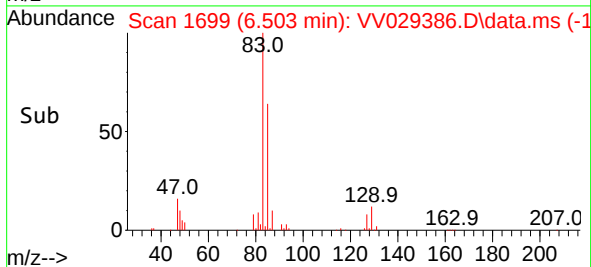
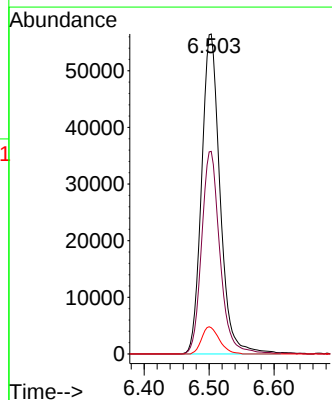
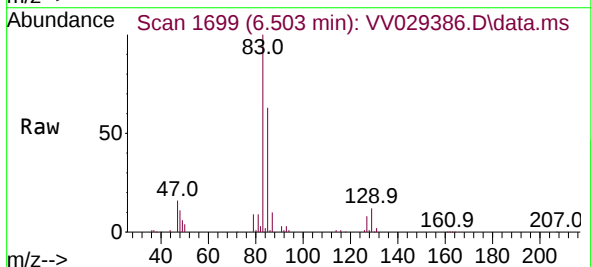
Tgt Ion: 83 Resp: 111826

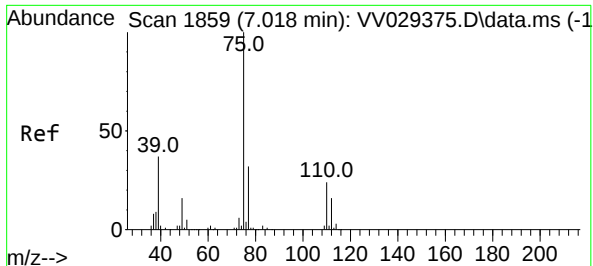
Ion Ratio Lower Upper

83 100

85 63.3 44.7 83.1

127 8.2 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 4.878 ug/L

RT: 7.021 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV029386.D

Acq: 02 Dec 2022 10:50

Instrument :

MSVOA_V

ClientSampleId :

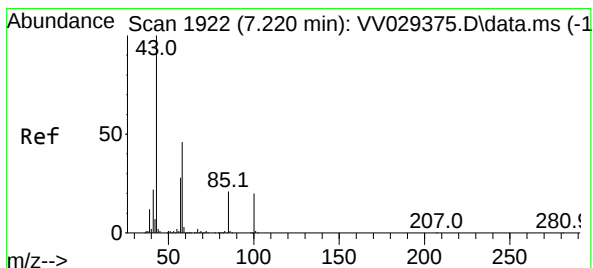
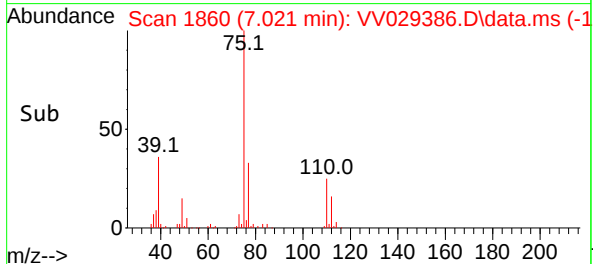
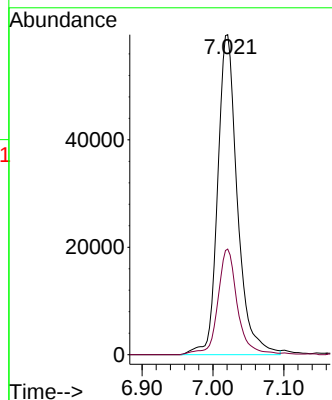
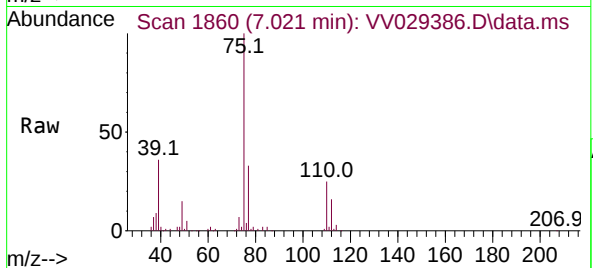
VSTD005374

Tgt Ion: 75 Resp: 115261

Ion Ratio Lower Upper

75 100

77 33.0 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 52.355 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.003 min

Lab File: VV029386.D

Acq: 02 Dec 2022 10:50

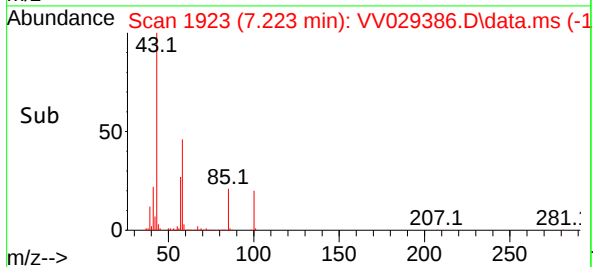
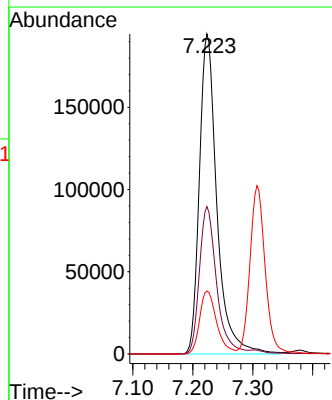
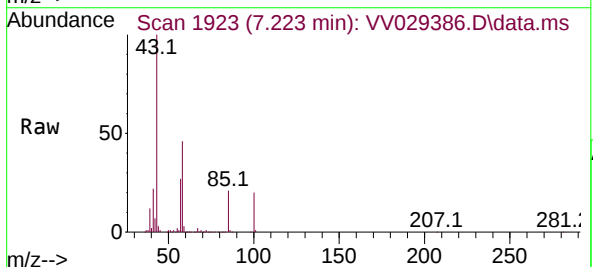
Tgt Ion: 43 Resp: 396038

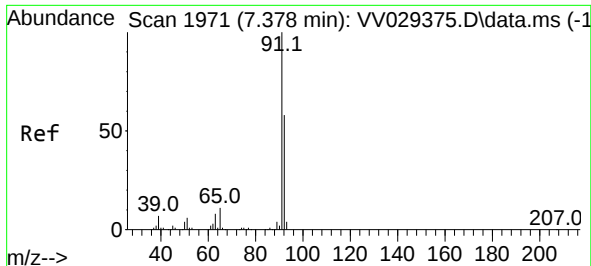
Ion Ratio Lower Upper

43 100

58 45.1 35.3 52.9

100 19.1 15.3 22.9

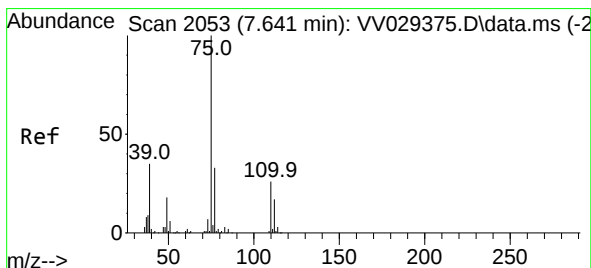
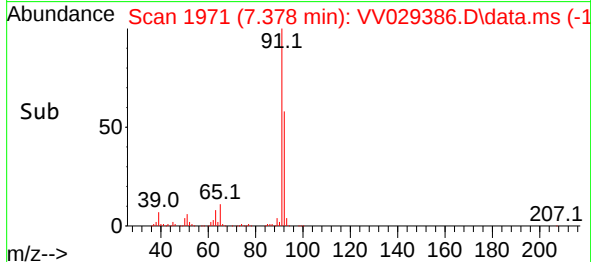
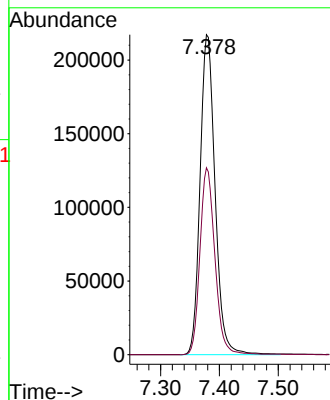
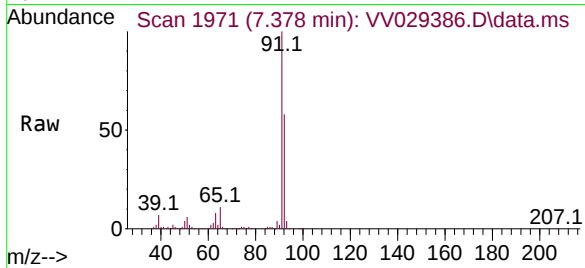




#42
Toluene
Concen: 5.217 ug/L
RT: 7.378 min Scan# 1971
Delta R.T. 0.000 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

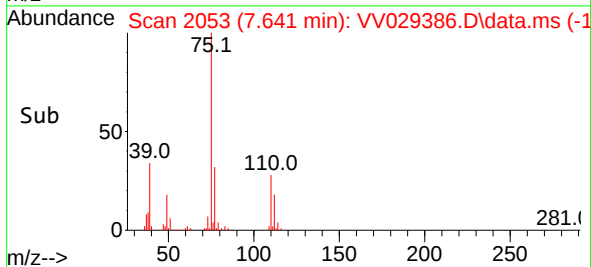
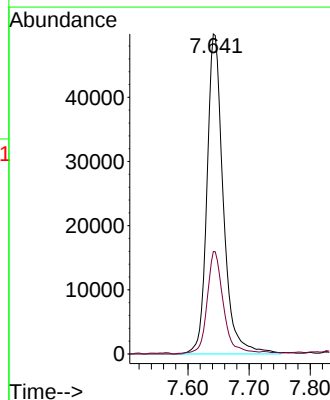
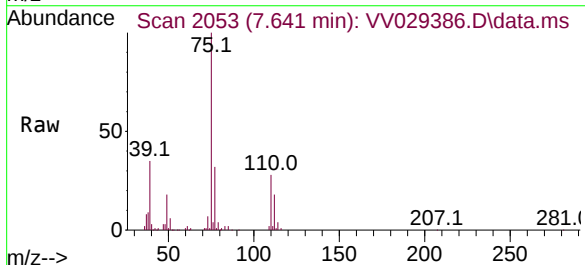
Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

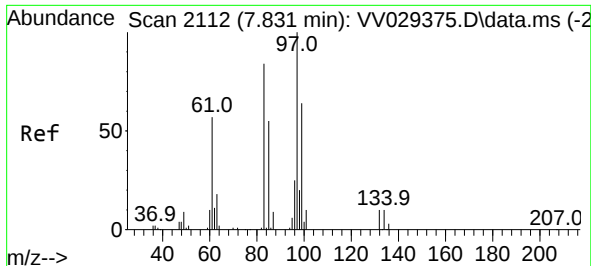
Tgt Ion: 91 Resp: 384236
Ion Ratio Lower Upper
91 100
92 58.4 40.8 75.8



#44
trans-1,3-Dichloropropene
Concen: 4.937 ug/L
RT: 7.641 min Scan# 2053
Delta R.T. 0.000 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

Tgt Ion: 75 Resp: 92413
Ion Ratio Lower Upper
75 100
77 32.0 22.4 41.6

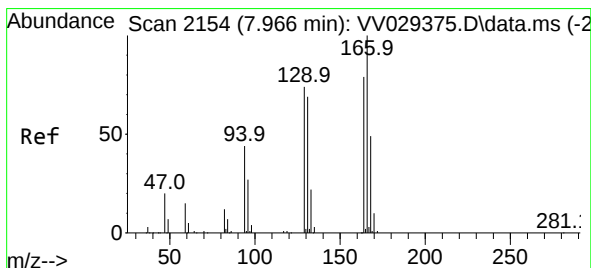
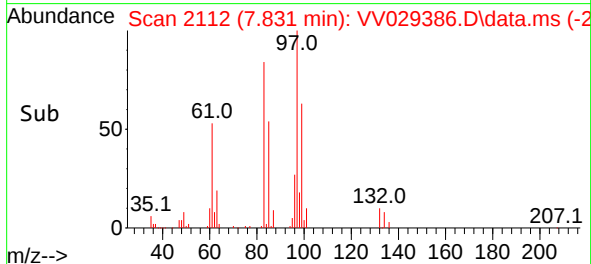
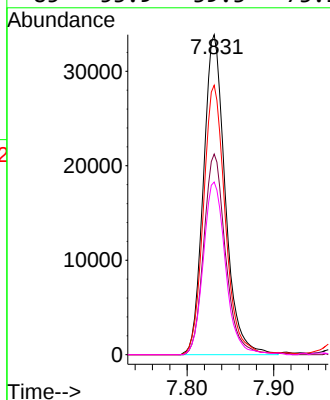
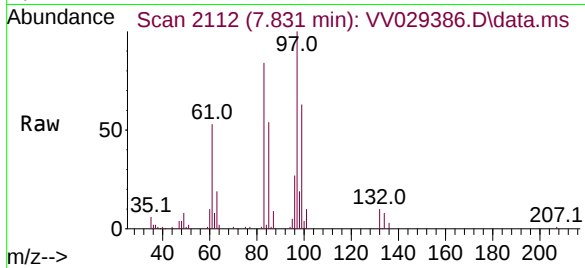




#45
1,1,2-Trichloroethane
Concen: 5.410 ug/L
RT: 7.831 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

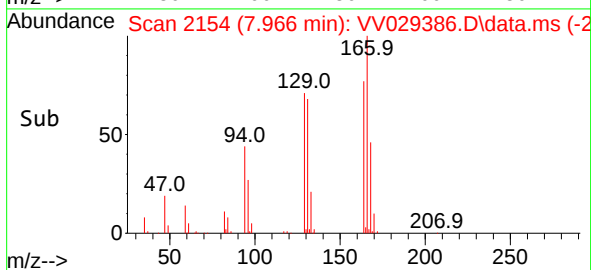
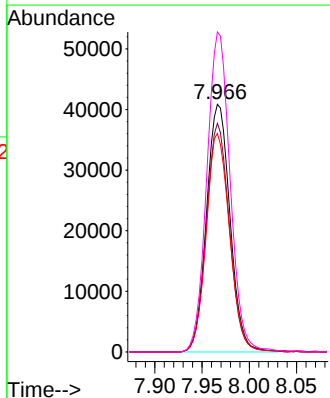
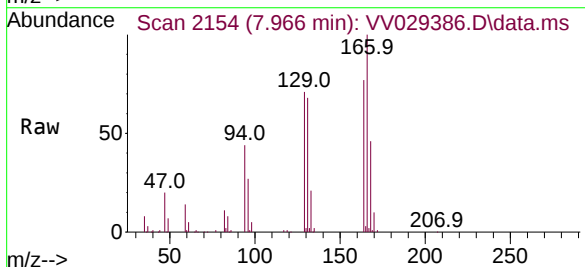
Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

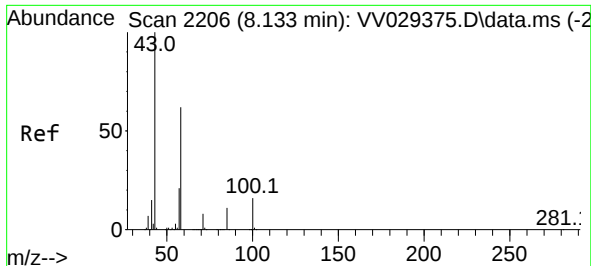
Tgt Ion: 97	Resp: 59213
Ion Ratio	Lower Upper
97 100	
99 62.7	44.4 82.5
83 84.2	59.5 110.5
85 53.9	39.3 73.1



#47
Tetrachloroethene
Concen: 4.928 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. 0.000 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

Tgt	Ion:164	Resp:	70723
Ion	Ratio	Lower	Upper
164	100		
129	92.4	61.7	114.7
131	88.2	62.9	116.9
166	129.2	88.5	164.3

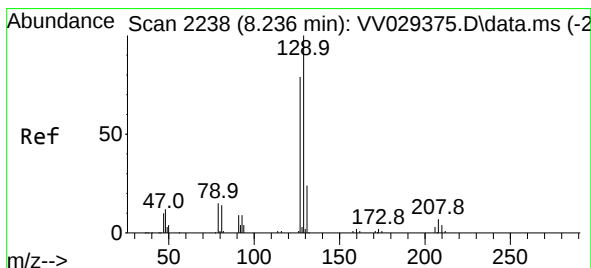
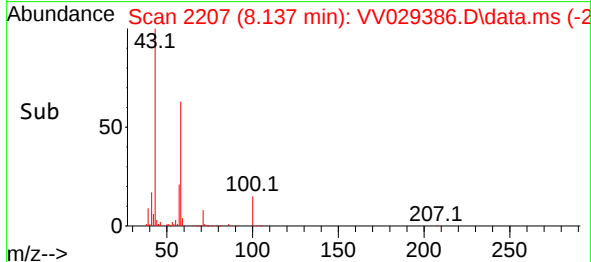
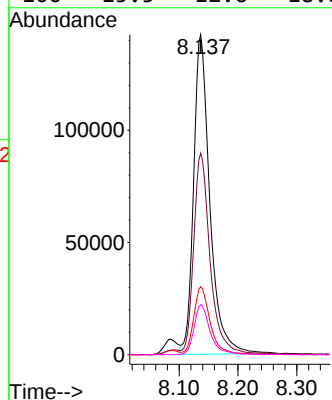
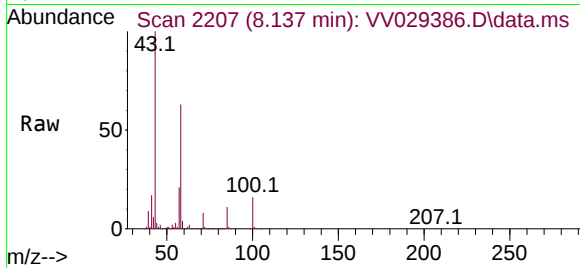




#48
2-Hexanone
Concen: 51.984 ug/L
RT: 8.137 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

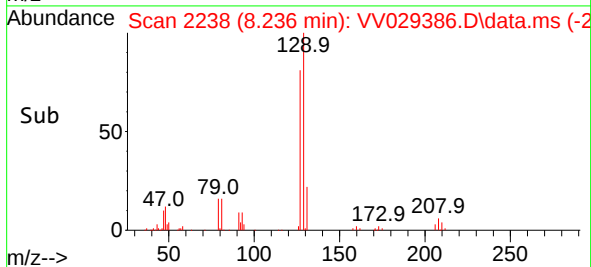
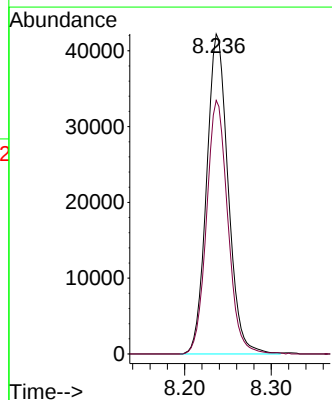
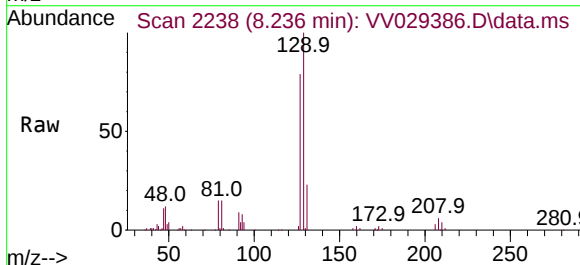
Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

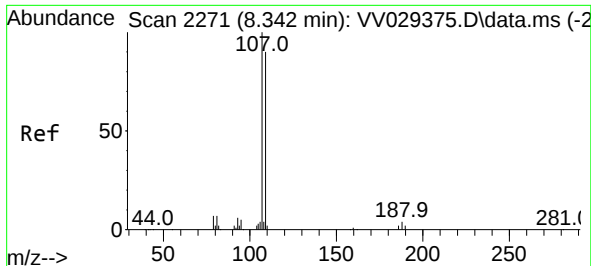
Tgt Ion: 43 Resp: 274130
Ion Ratio Lower Upper
43 100
58 63.3 49.4 74.0
57 21.1 16.9 25.3
100 15.5 12.6 18.8



#49
Dibromochloromethane
Concen: 5.924 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. 0.000 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

Tgt Ion: 129 Resp: 72927
Ion Ratio Lower Upper
129 100
127 79.2 53.1 98.7





#50

1,2-Dibromoethane

Concen: 5.532 ug/L

RT: 8.342 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV029386.D

Acq: 02 Dec 2022 10:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD005374

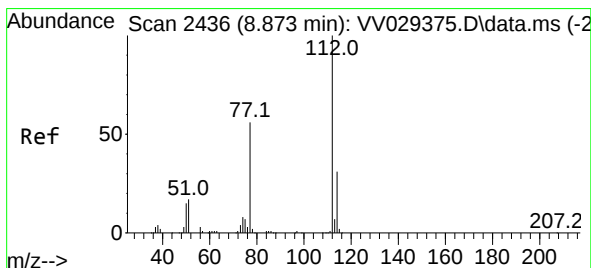
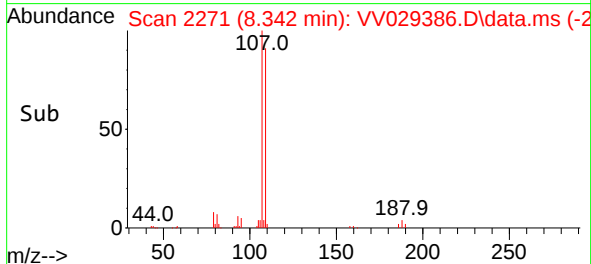
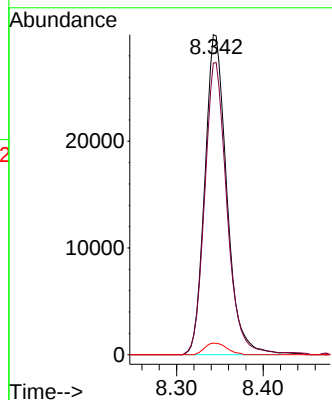
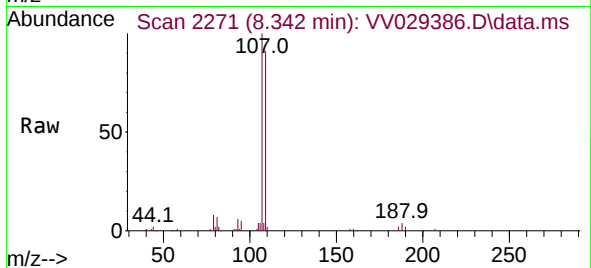
Tgt Ion:107 Resp: 52827

Ion Ratio Lower Upper

107 100

109 91.1 64.0 118.8

188 3.6 3.0 4.4



#51

Chlorobenzene

Concen: 5.035 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. 0.000 min

Lab File: VV029386.D

Acq: 02 Dec 2022 10:50

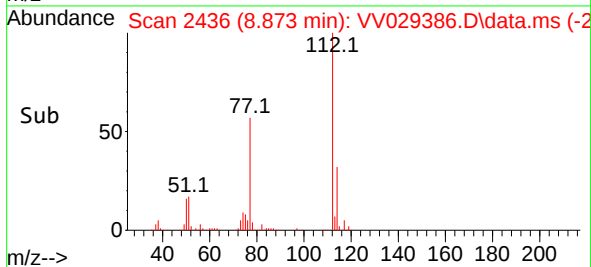
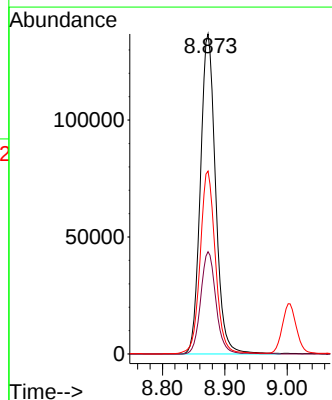
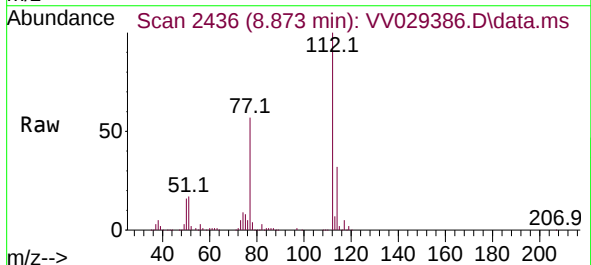
Tgt Ion:112 Resp: 231784

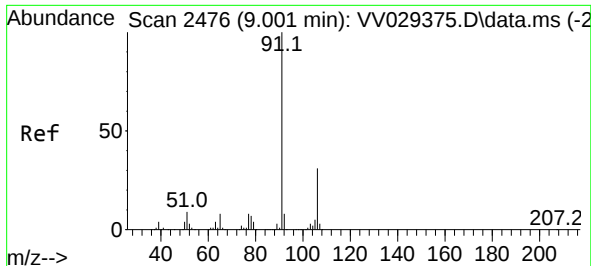
Ion Ratio Lower Upper

112 100

114 31.9 22.9 42.5

77 57.2 45.3 67.9





#52

Ethylbenzene

Concen: 5.152 ug/L

RT: 9.002 min Scan# 2476

Delta R.T. 0.000 min

Lab File: VV029386.D

Acq: 02 Dec 2022 10:50

Instrument :

MSVOA_V

ClientSampleId :

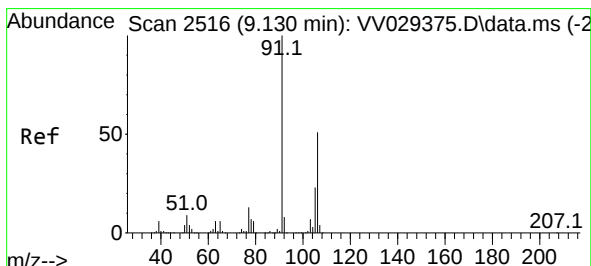
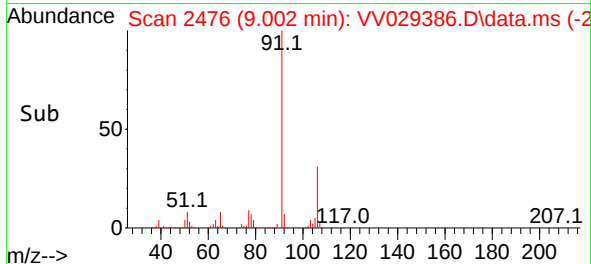
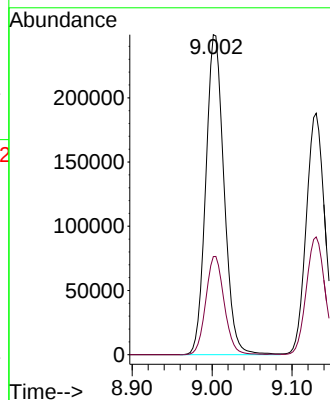
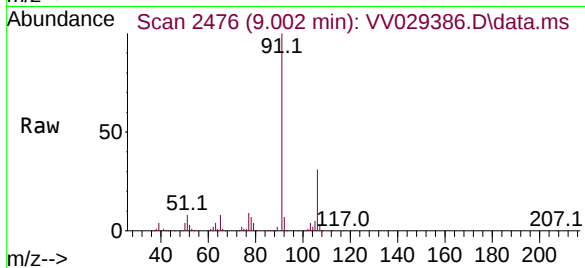
VSTD005374

Tgt Ion: 91 Resp: 395577

Ion Ratio Lower Upper

91 100

106 30.6 21.9 40.7



#53

m,p-Xylene

Concen: 5.036 ug/L

RT: 9.130 min Scan# 2516

Delta R.T. 0.000 min

Lab File: VV029386.D

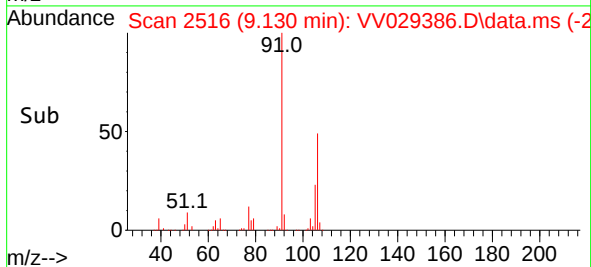
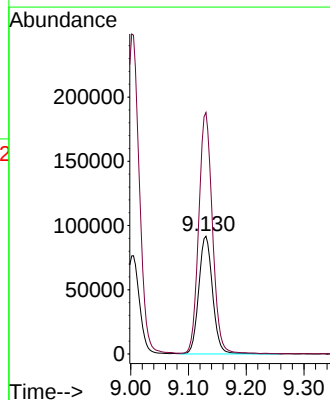
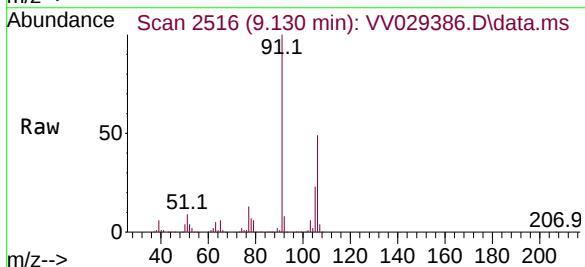
Acq: 02 Dec 2022 10:50

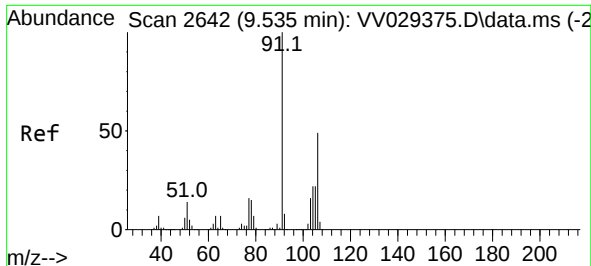
Tgt Ion: 106 Resp: 152524

Ion Ratio Lower Upper

106 100

91 204.9 140.6 261.2

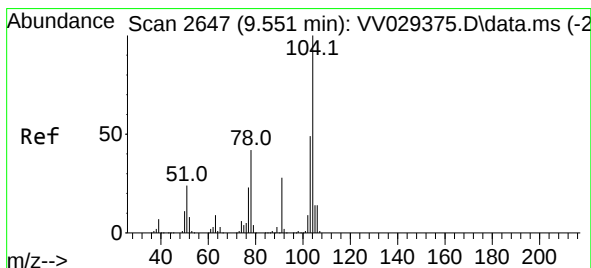
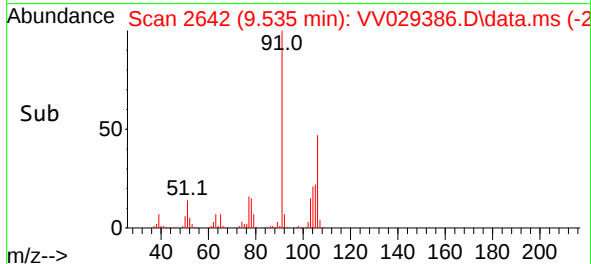
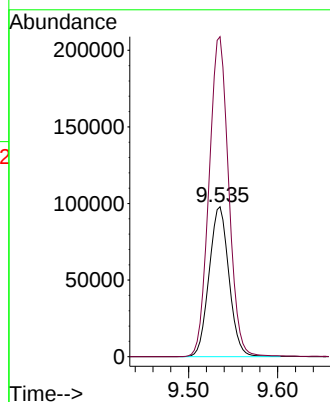
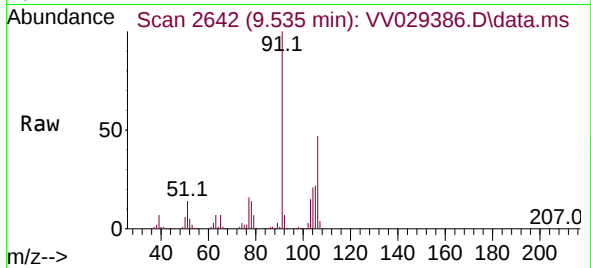




#54
o-Xylene
Concen: 5.090 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.000 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

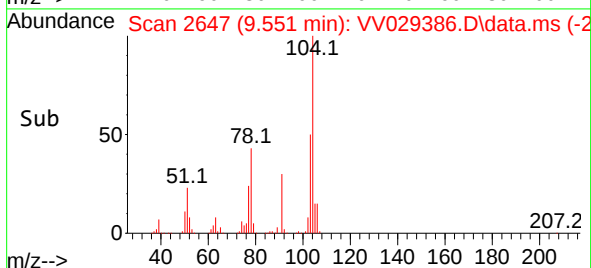
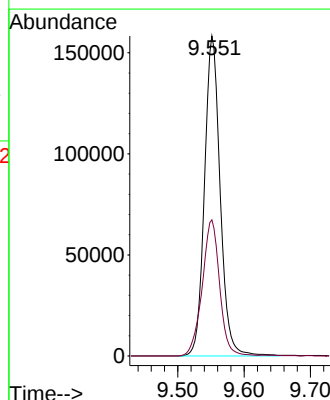
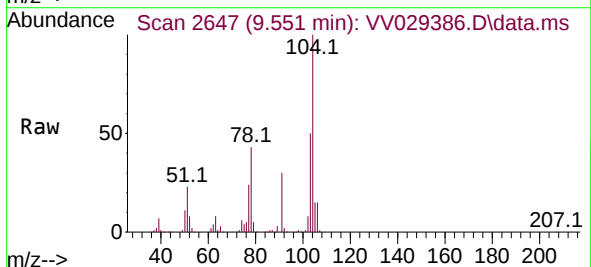
Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

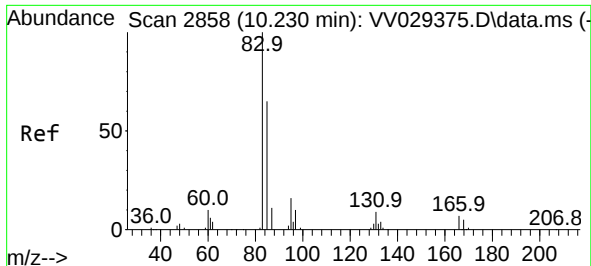
Tgt Ion:106 Resp: 151424
Ion Ratio Lower Upper
106 100
91 213.4 146.9 272.9



#55
Styrene
Concen: 5.196 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.000 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

Tgt Ion:104 Resp: 260961
Ion Ratio Lower Upper
104 100
78 42.5 29.9 55.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.750 ug/L

RT: 10.233 min Scan# 2859

Delta R.T. 0.003 min

Lab File: VV029386.D

Acq: 02 Dec 2022 10:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD005374

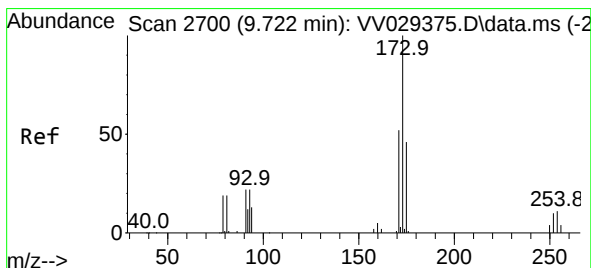
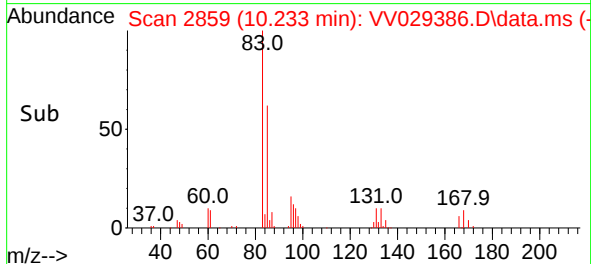
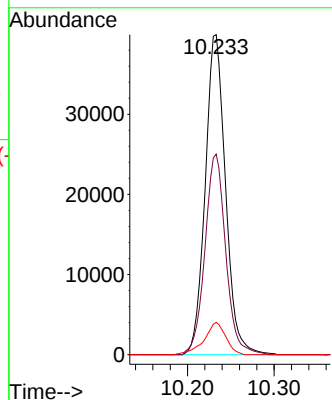
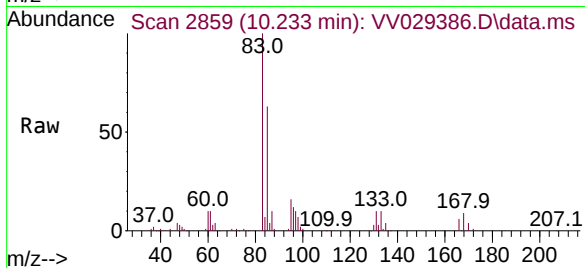
Tgt Ion: 83 Resp: 65113

Ion Ratio Lower Upper

83 100

85 62.7 45.5 84.5

131 10.1 8.2 12.2



#59

Bromoform

Concen: 6.382 ug/L

RT: 9.722 min Scan# 2700

Delta R.T. 0.000 min

Lab File: VV029386.D

Acq: 02 Dec 2022 10:50

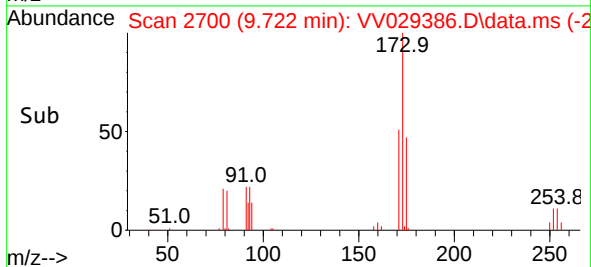
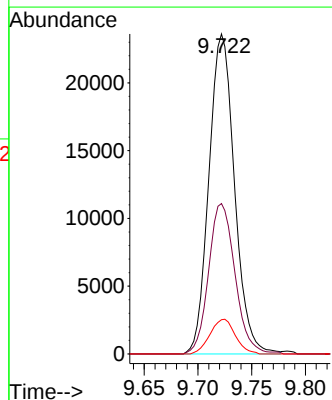
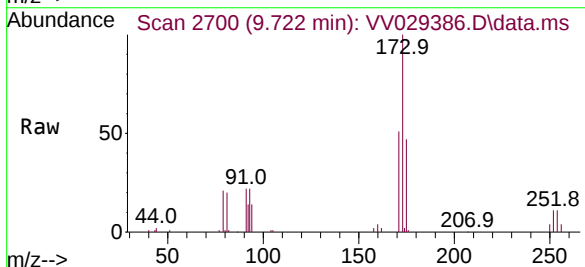
Tgt Ion: 173 Resp: 39074

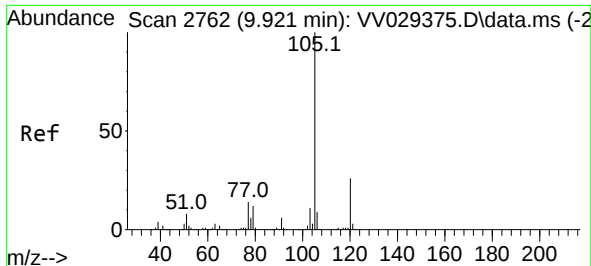
Ion Ratio Lower Upper

173 100

175 48.4 38.6 58.0

254 10.7 8.3 12.5

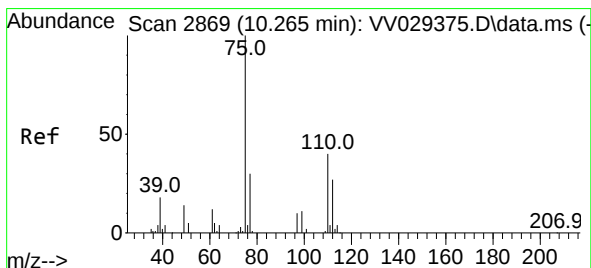
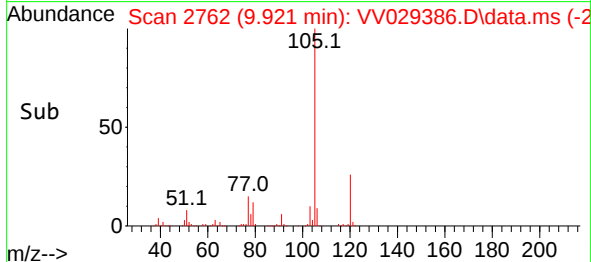
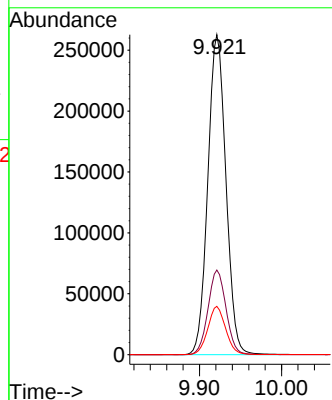
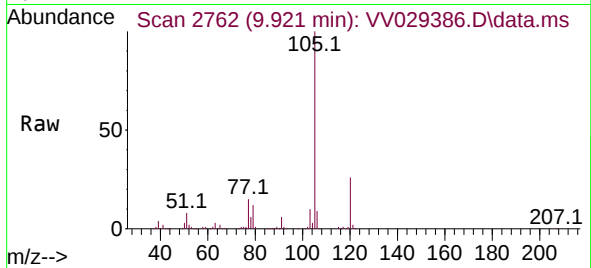




#60
Isopropylbenzene
Concen: 5.342 ug/L
RT: 9.921 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

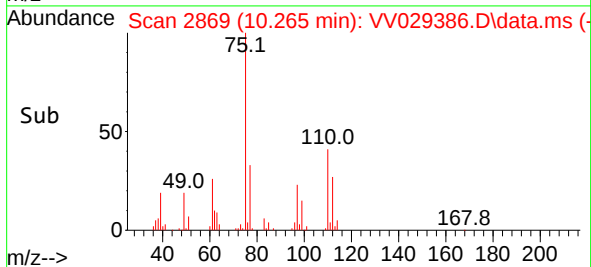
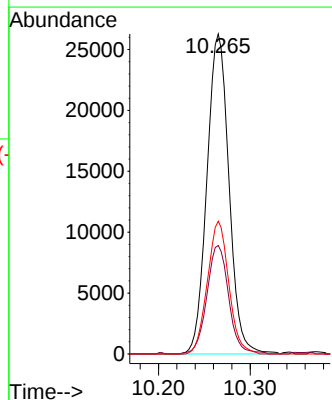
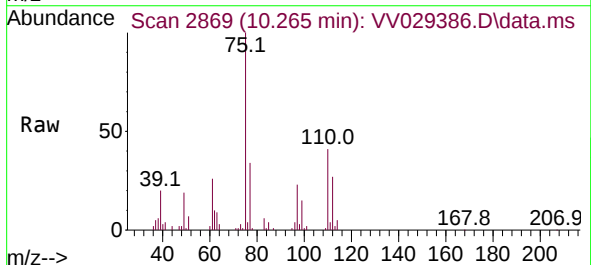
Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

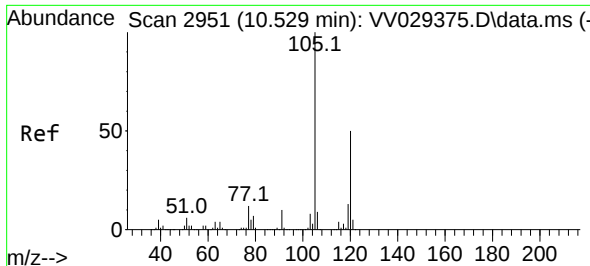
Tgt Ion:105 Resp: 402537
Ion Ratio Lower Upper
105 100
120 26.3 21.4 32.2
77 15.0 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.426 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. 0.000 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

Tgt Ion: 75 Resp: 43859
Ion Ratio Lower Upper
75 100
77 33.6 26.7 40.1
110 40.3 32.2 48.4

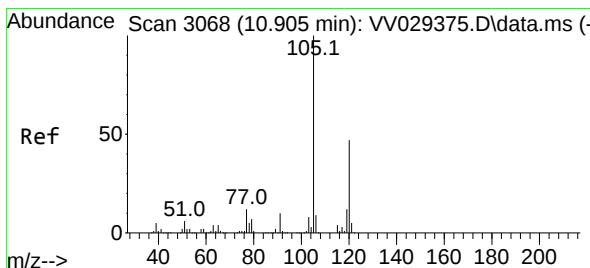
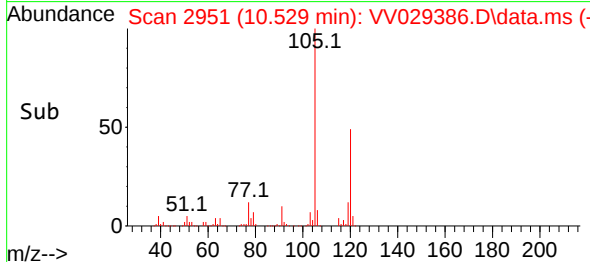
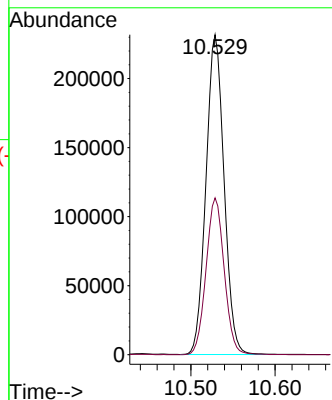
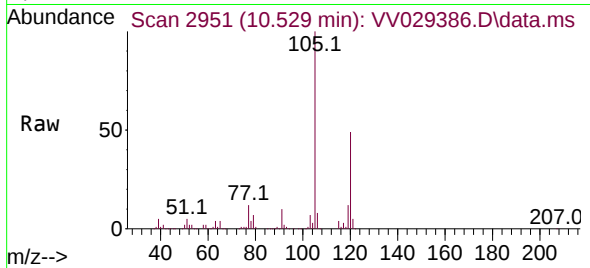




#62
 1,3,5-Trimethylbenzene
 Concen: 5.305 ug/L
 RT: 10.529 min Scan# 2951
 Delta R.T. 0.000 min
 Lab File: VV029386.D
 Acq: 02 Dec 2022 10:50

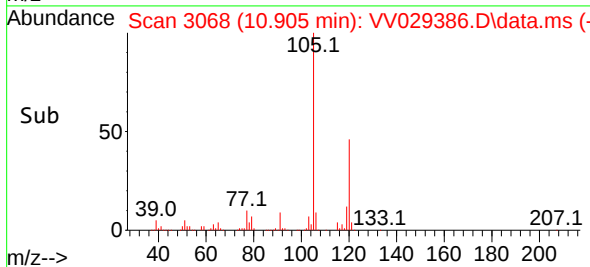
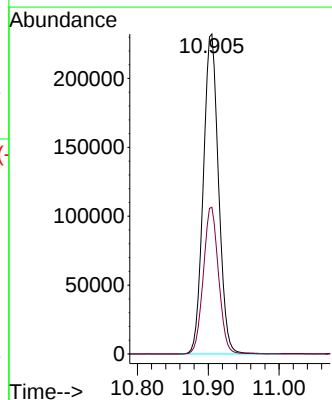
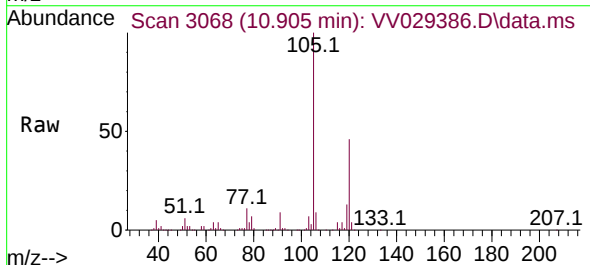
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005374

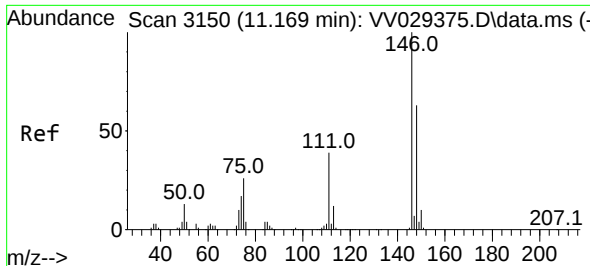
Tgt Ion:105 Resp: 346089
 Ion Ratio Lower Upper
 105 100
 120 49.3 39.6 59.4



#63
 1,2,4-Trimethylbenzene
 Concen: 5.284 ug/L
 RT: 10.905 min Scan# 3068
 Delta R.T. 0.000 min
 Lab File: VV029386.D
 Acq: 02 Dec 2022 10:50

Tgt Ion:105 Resp: 346743
 Ion Ratio Lower Upper
 105 100
 120 45.9 37.2 55.8

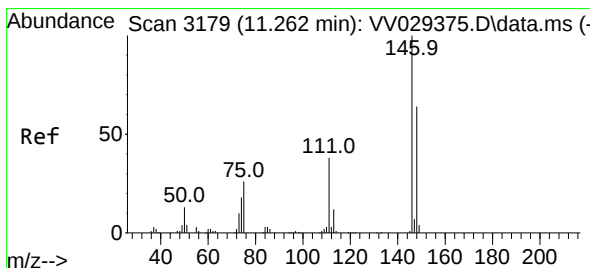
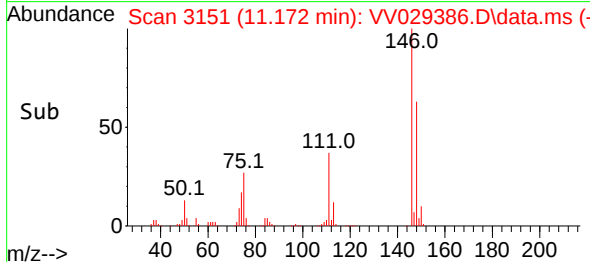
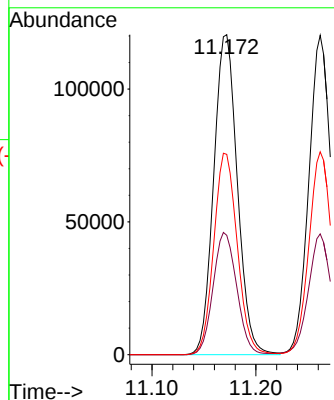
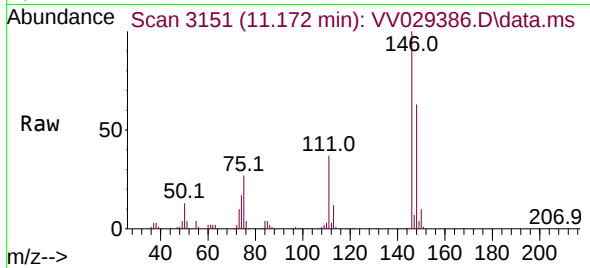




#64
1,3-Dichlorobenzene
Concen: 5.431 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

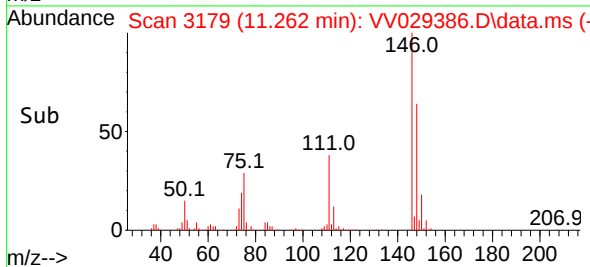
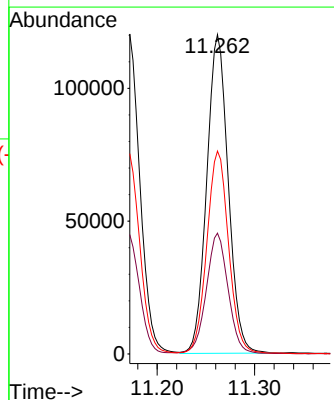
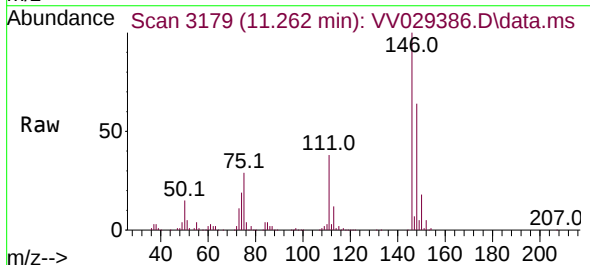
Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

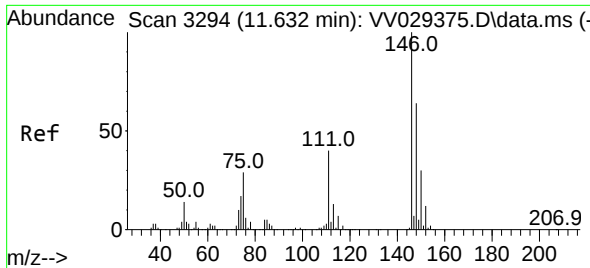
Tgt Ion:146 Resp: 190902
Ion Ratio Lower Upper
146 100
111 37.3 26.3 48.9
148 62.6 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 5.280 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

Tgt Ion:146 Resp: 183614
Ion Ratio Lower Upper
146 100
111 37.8 26.0 48.4
148 63.5 44.7 82.9

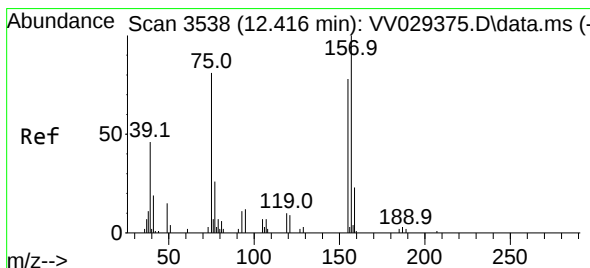
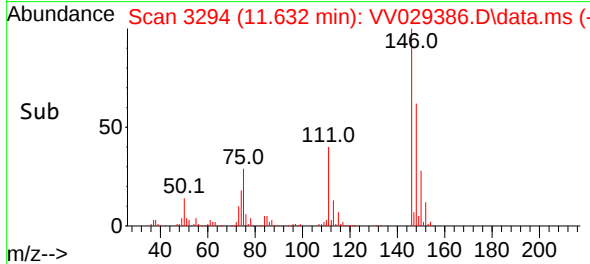
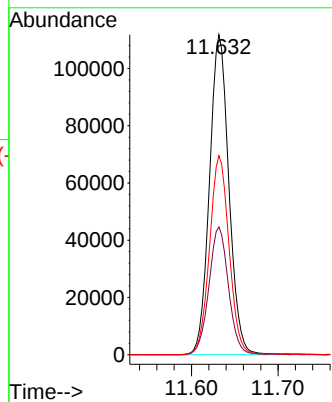
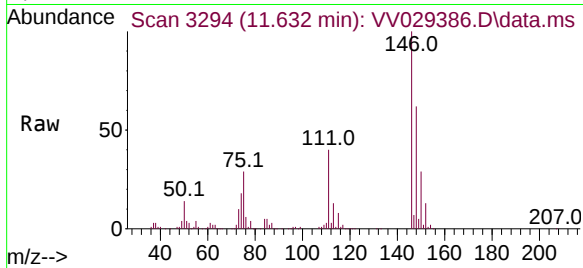




#67
1,2-Dichlorobenzene
Concen: 5.364 ug/L
RT: 11.632 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

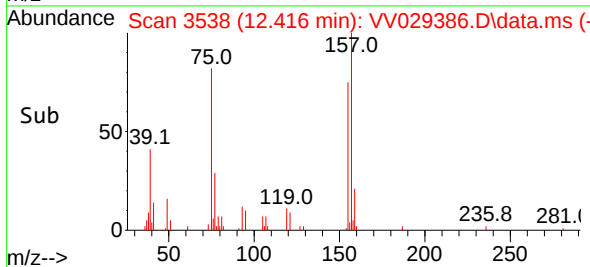
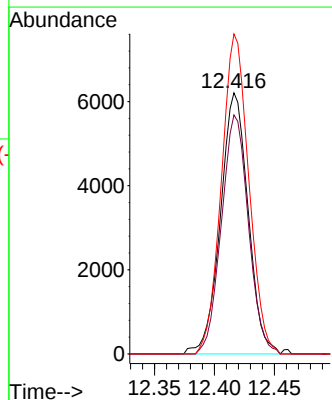
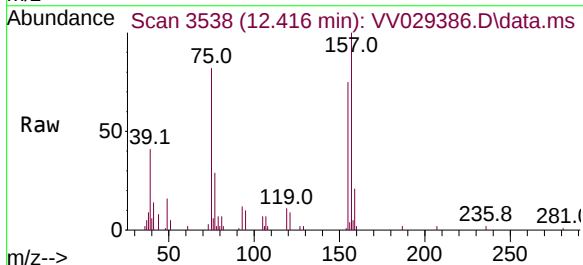
Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

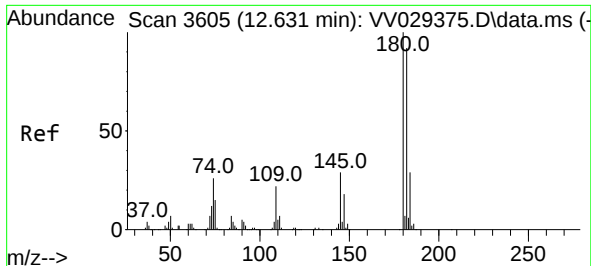
Tgt Ion:146 Resp: 173731
Ion Ratio Lower Upper
146 100
111 39.9 33.5 50.3
148 62.2 50.7 76.1



#68
1,2-Dibromo-3-chloropropane
Concen: 6.277 ug/L
RT: 12.416 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VV029386.D
Acq: 02 Dec 2022 10:50

Tgt Ion: 75 Resp: 9964
Ion Ratio Lower Upper
75 100
155 91.6 76.6 115.0
157 122.6 96.9 145.3

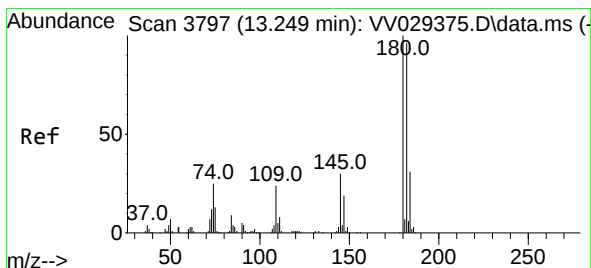
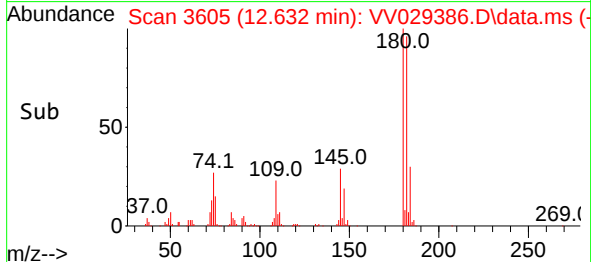
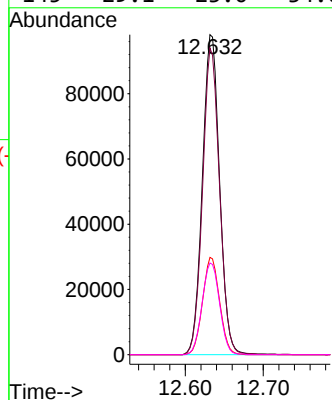
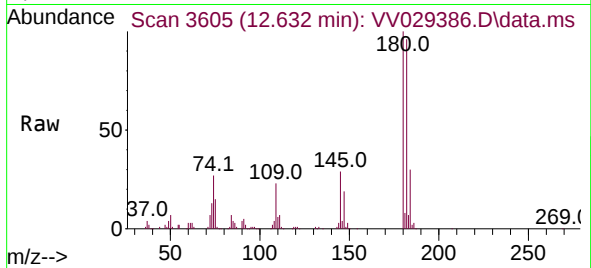




#69
 1,3,5-Trichlorobenzene
 Concen: 5.181 ug/L
 RT: 12.632 min Scan# 3605
 Delta R.T. 0.000 min
 Lab File: VV029386.D
 Acq: 02 Dec 2022 10:50

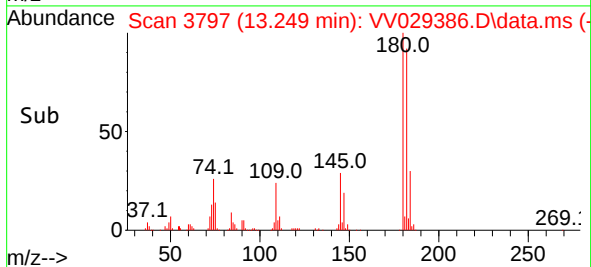
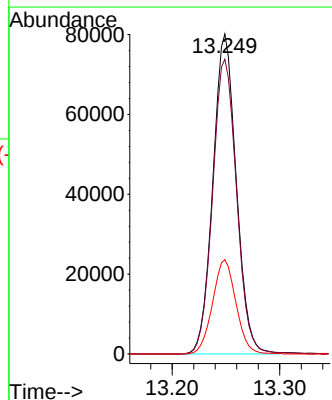
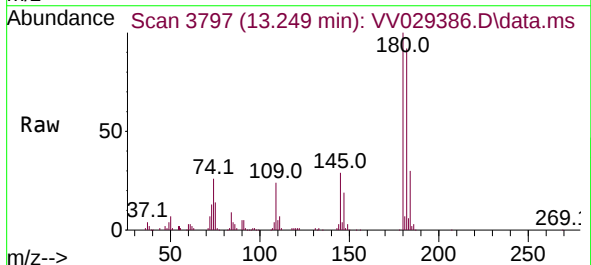
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005374

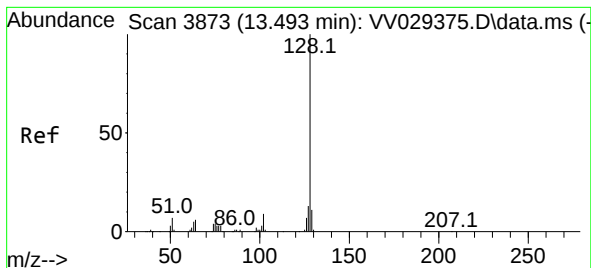
Tgt Ion:180	Resp:	150049
Ion Ratio	Lower	Upper
180	100	
182	94.7	77.0 115.6
184	30.1	24.4 36.6
145	29.1	23.0 34.6



#70
 1,2,4-trichlorobenzene
 Concen: 5.154 ug/L
 RT: 13.249 min Scan# 3797
 Delta R.T. 0.000 min
 Lab File: VV029386.D
 Acq: 02 Dec 2022 10:50

Tgt Ion:180	Resp:	120954
Ion Ratio	Lower	Upper
180	100	
182	94.6	76.2 114.4
145	29.6	23.4 35.0





#71

Naphthalene

Concen: 5.261 ug/L

RT: 13.493 min Scan# 3873

Delta R.T. 0.000 min

Lab File: VV029386.D

Acq: 02 Dec 2022 10:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD005374

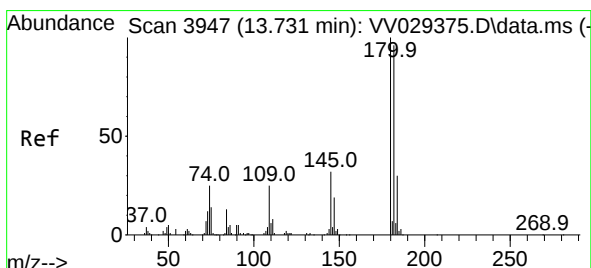
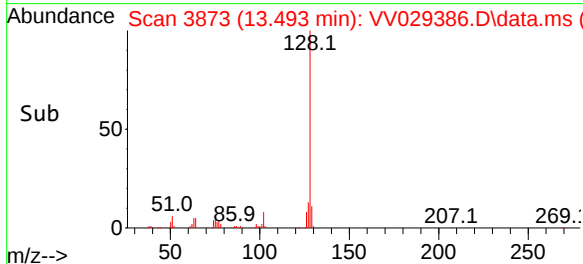
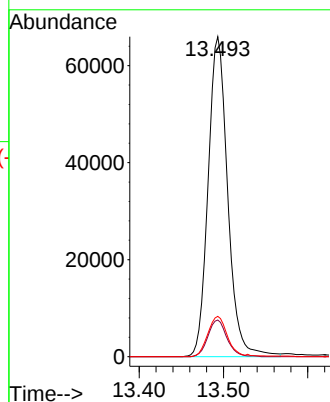
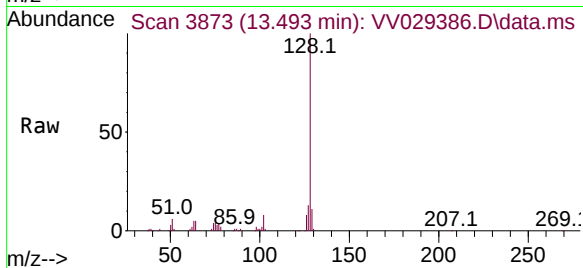
Tgt Ion:128 Resp: 106876

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

127 12.8 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 5.341 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. 0.000 min

Lab File: VV029386.D

Acq: 02 Dec 2022 10:50

Tgt Ion:180 Resp: 102047

Ion Ratio Lower Upper

180 100

182 95.2 75.0 112.4

145 31.3 25.2 37.8

