

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121422\
 Data File : VV029686.D
 Acq On : 14 Dec 2022 13:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050389

Quant Time: Dec 14 21:12:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 13 23:56:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	458137	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	433229	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	246501	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	109174	38.915	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.840%
7) Chloroethane-d5	1.561	69	97256	45.463	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.920%
11) 1,1-Dichloroethene-d2	2.105	63	207590	47.441	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.880%
21) 2-Butanone-d5	3.867	46	186599	109.033	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.030%
24) Chloroform-d	4.336	84	246539	46.699	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	5.021	65	144747	48.006	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.020%
32) Benzene-d6	5.040	84	490552	42.853	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.700%
36) 1,2-Dichloropropane-d6	6.060	67	157249	44.971	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.940%
41) Toluene-d8	7.307	98	449311	41.657	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.320%
43) trans-1,3-Dichloroprop...	7.613	79	70314	39.823	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.640%
47) 2-Hexanone-d5	8.082	63	155604	104.212	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.210%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	240126	48.057	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.120%
66) 1,2-Dichlorobenzene-d4	11.612	152	200326	42.691	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	159123	44.095	ug/L	100
3) Chloromethane	1.240	50	187039	45.460	ug/L	99
5) Vinyl chloride	1.311	62	172408	50.084	ug/L	99
6) Bromomethane	1.513	94	88212	63.685	ug/L	98
8) Chloroethane	1.581	64	106120	55.362	ug/L	99
9) Trichlorofluoromethane	1.751	101	211143	48.996	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	125489	52.406	ug/L	97
12) 1,1-Dichloroethene	2.114	96	124294	50.756	ug/L	95
13) Acetone	2.156	43	155410	139.396	ug/L	99
14) Carbon disulfide	2.291	76	359416	44.100	ug/L	100
15) Methyl Acetate	2.423	43	152203	59.921	ug/L	97
16) Methylene chloride	2.500	84	163588	53.727	ug/L	95
17) trans-1,2-Dichloroethene	2.754	96	140263	49.710	ug/L	97
18) Methyl tert-butyl Ether	2.761	73	475927	55.052	ug/L	99
19) 1,1-Dichloroethane	3.182	63	258033	53.380	ug/L	99
20) cis-1,2-Dichloroethene	3.899	96	160880	51.851	ug/L	92
22) 2-Butanone	3.950	43	219105	123.511	ug/L	98
23) Bromochloromethane	4.236	128	86124	53.905	ug/L	93
25) Chloroform	4.365	83	265373	52.955	ug/L	100

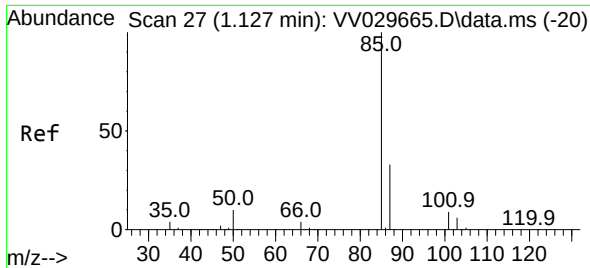
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121422\
 Data File : VV029686.D
 Acq On : 14 Dec 2022 13:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050389

Quant Time: Dec 14 21:12:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 13 23:56:43 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.121	62	195606	55.255	ug/L	99
29) Cyclohexane	4.667	56	209882	44.722	ug/L	98
30) 1,1,1-Trichloroethane	4.597	97	216089	45.781	ug/L	99
31) Carbon tetrachloride	4.818	117	186382	45.219	ug/L	100
33) Benzene	5.089	78	601620	49.267	ug/L	100
34) Trichloroethene	5.905	95	147705	48.269	ug/L	98
35) Methylcyclohexane	6.124	83	241941	46.552	ug/L	98
37) 1,2-Dichloropropane	6.162	63	157562	53.459	ug/L	99
38) Bromodichloromethane	6.500	83	204936	50.369	ug/L	100
39) cis-1,3-Dichloropropene	7.018	75	220510	45.492	ug/L	99
40) 4-Methyl-2-pentanone	7.220	43	414281	117.890	ug/L	97
42) Toluene	7.378	91	650171	49.467	ug/L	99
44) trans-1,3-Dichloropropene	7.641	75	216346	47.130	ug/L	99
45) 1,1,2-Trichloroethane	7.828	97	160664	52.764	ug/L	98
46) Tetrachloroethene	7.966	164	120050	48.796	ug/L	98
48) 2-Hexanone	8.130	43	322519	120.128	ug/L	95
49) Dibromochloromethane	8.236	129	170025	50.575	ug/L	97
50) 1,2-Dibromoethane	8.342	107	160410	51.134	ug/L	100
51) Chlorobenzene	8.870	112	430089	51.676	ug/L	100
52) Ethylbenzene	9.002	91	684585	49.541	ug/L	99
53) m,p-Xylene	9.127	106	273015	49.918	ug/L	100
54) o-Xylene	9.532	106	269356	49.789	ug/L	100
55) Styrene	9.551	104	489658	52.083	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.230	83	261536	53.695	ug/L	99
59) Bromoform	9.719	173	128255	47.100	ug/L	99
60) Isopropylbenzene	9.921	105	692372	47.841	ug/L	99
61) 1,2,3-Trichloropropane	10.262	75	198858	52.263	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	611884	47.817	ug/L	100
63) 1,2,4-Trimethylbenzene	10.902	105	617050	48.646	ug/L	99
64) 1,3-Dichlorobenzene	11.169	146	357495	50.520	ug/L	99
65) 1,4-Dichlorobenzene	11.262	146	362403	50.393	ug/L	100
67) 1,2-Dichlorobenzene	11.632	146	362743	50.129	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.413	75	54789	46.330	ug/L	98
69) 1,3,5-Trichlorobenzene	12.632	180	279858	49.696	ug/L	100
70) 1,2,4-trichlorobenzene	13.249	180	256199	51.162	ug/L	100
71) Naphthalene	13.490	128	611596	53.844	ug/L	100
72) 1,2,3-Trichlorobenzene	13.731	180	256730	52.342	ug/L	99

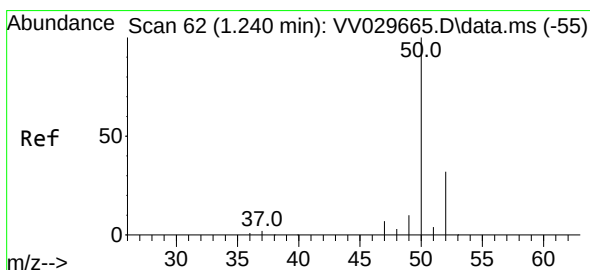
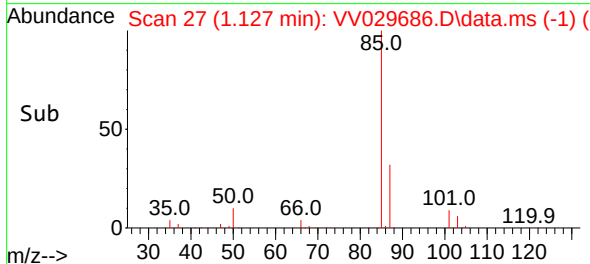
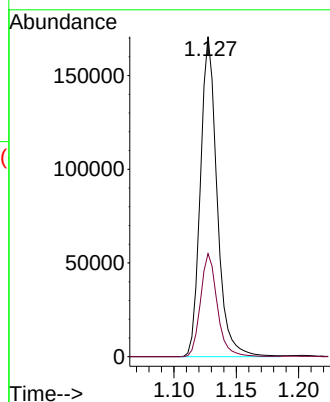
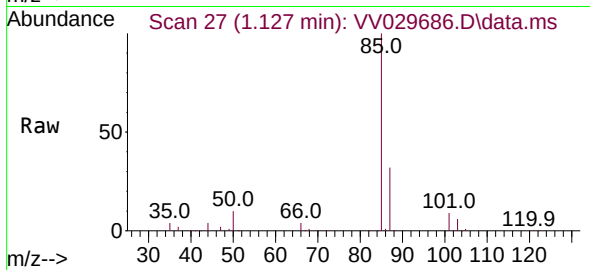
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 44.095 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV029686.D
 Acq: 14 Dec 2022 13:05

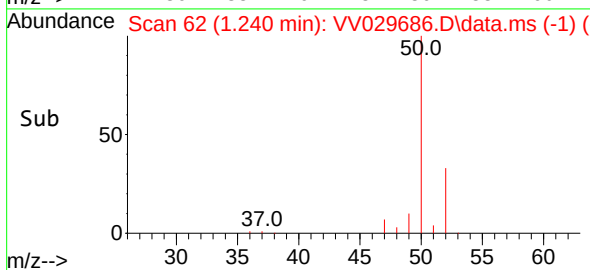
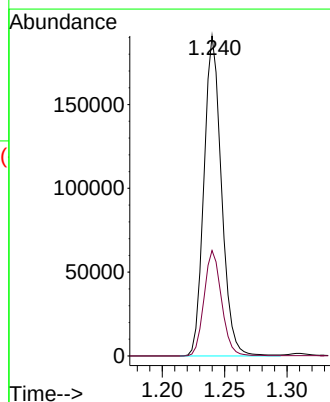
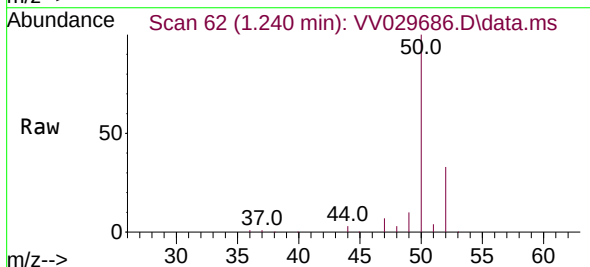
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050389

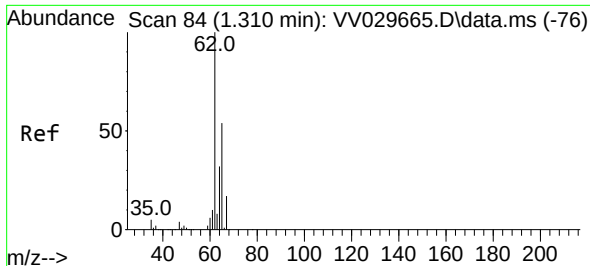
Tgt Ion: 85 Resp: 159123
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.9 38.9



#3
 Chloromethane
 Concen: 45.460 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV029686.D
 Acq: 14 Dec 2022 13:05

Tgt Ion: 50 Resp: 187039
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.3 43.3

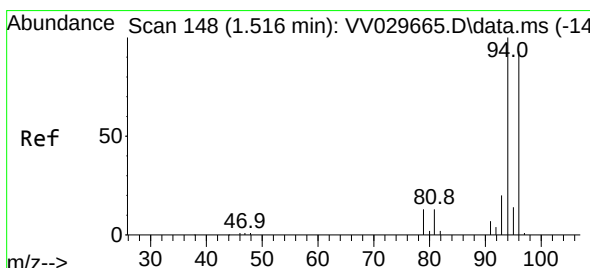
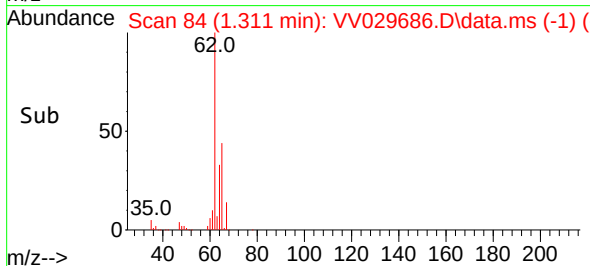
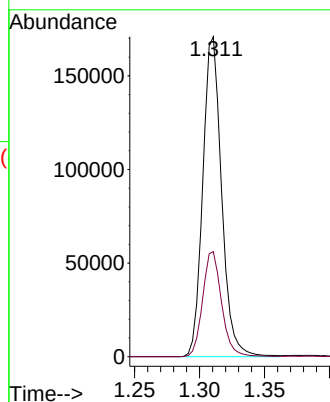
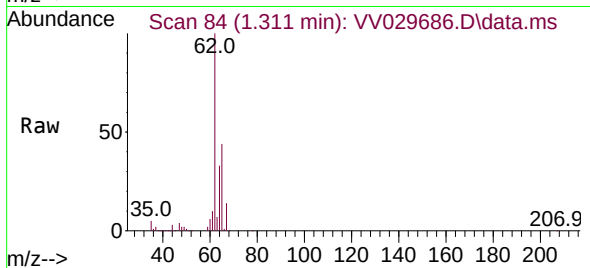




#5
 Vinyl chloride
 Concen: 50.084 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV029686.D
 Acq: 14 Dec 2022 13:05

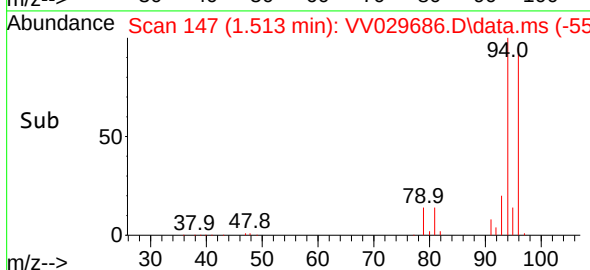
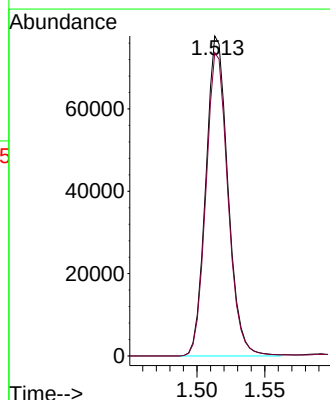
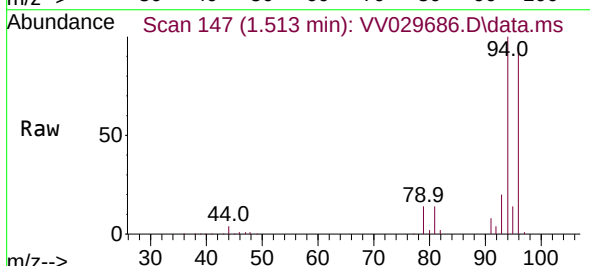
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050389

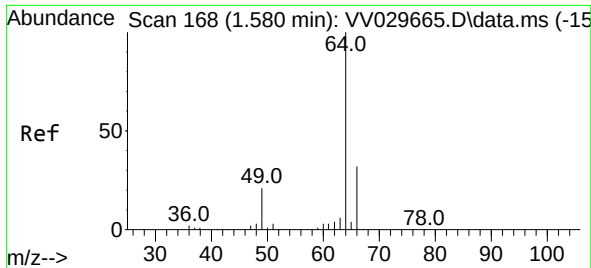
Tgt Ion: 62 Resp: 172408
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.5 41.9



#6
 Bromomethane
 Concen: 63.685 ug/L
 RT: 1.513 min Scan# 147
 Delta R.T. -0.003 min
 Lab File: VV029686.D
 Acq: 14 Dec 2022 13:05

Tgt Ion: 94 Resp: 88212
 Ion Ratio Lower Upper
 94 100
 96 94.8 65.1 120.9

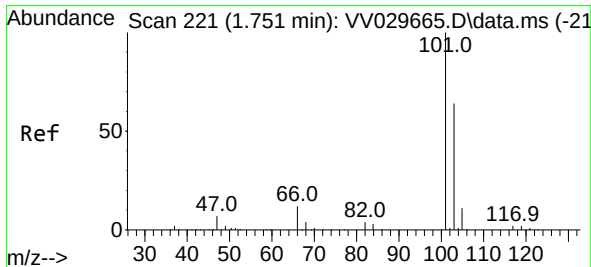
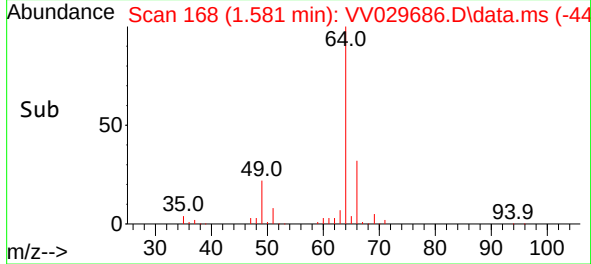
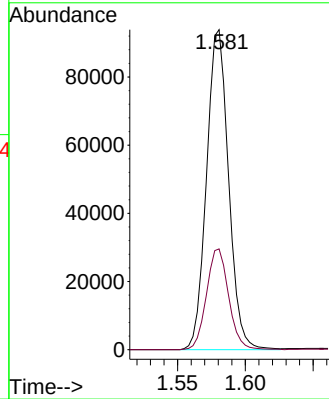
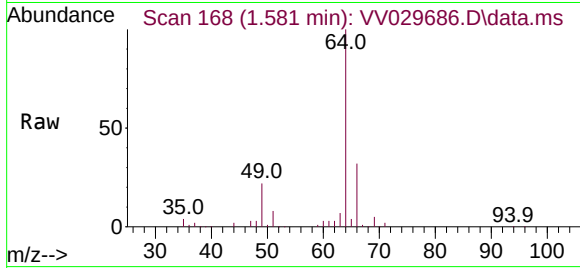




#8
Chloroethane
Concen: 55.362 ug/L
RT: 1.581 min Scan# 168
Delta R.T. 0.000 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

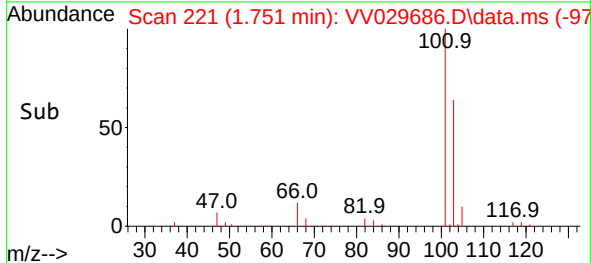
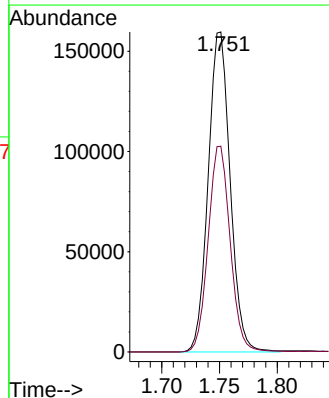
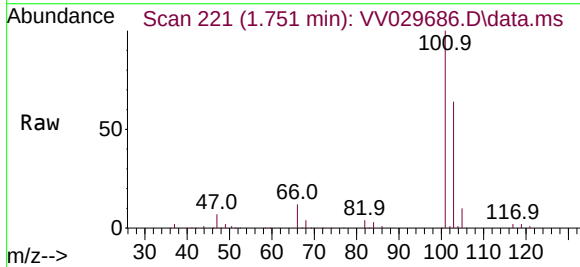
Instrument :
MSVOA_V
ClientSampleId :
VSTD050389

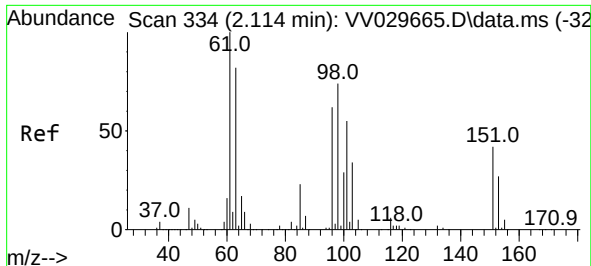
Tgt Ion: 64 Resp: 106120
Ion Ratio Lower Upper
64 100
66 31.5 22.5 41.9



#9
Trichlorofluoromethane
Concen: 48.996 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.000 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

Tgt Ion:101 Resp: 211143
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.8

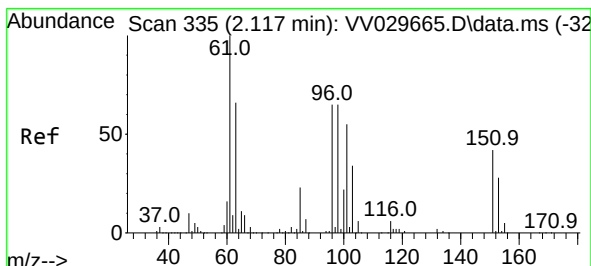
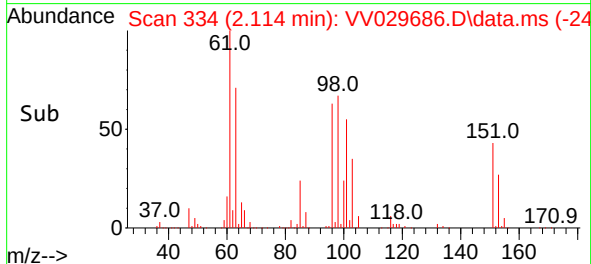
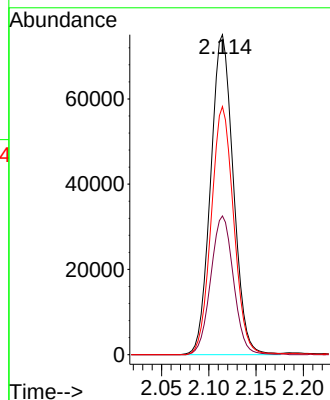
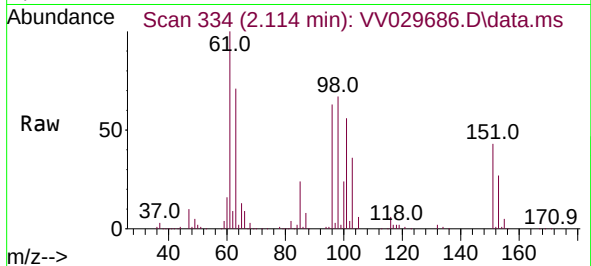




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 52.406 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.000 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

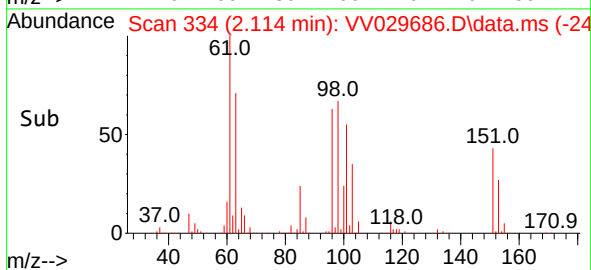
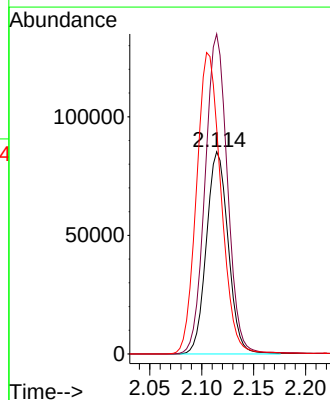
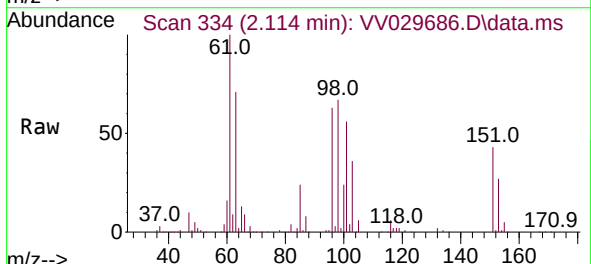
Instrument :
MSVOA_V
ClientSampleId :
VSTD050389

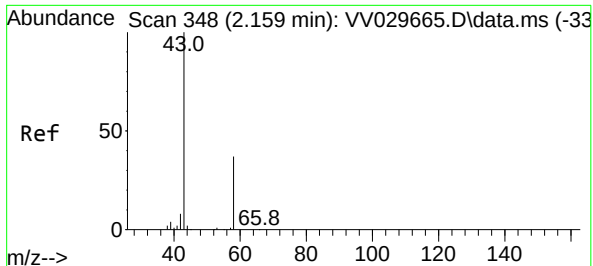
Tgt Ion:101 Resp: 125489
Ion Ratio Lower Upper
101 100
85 43.3 33.6 50.4
151 76.8 63.5 95.3



#12
1,1-Dichloroethene
Concen: 50.756 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.003 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

Tgt Ion: 96 Resp: 124294
Ion Ratio Lower Upper
96 100
61 158.3 103.3 191.9
63 111.7 77.3 143.7





#13

Acetone

Concen: 139.396 ug/L

RT: 2.156 min Scan# 34

Delta R.T. -0.003 min

Lab File: VV029686.D

Acq: 14 Dec 2022 13:05

Instrument :

MSVOA_V

ClientSampleId :

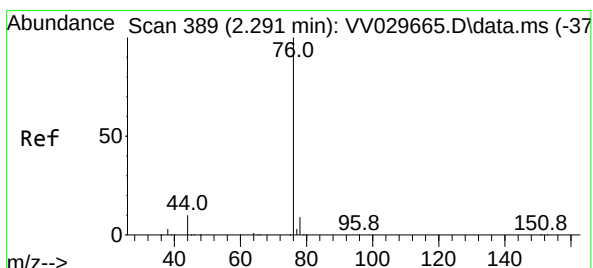
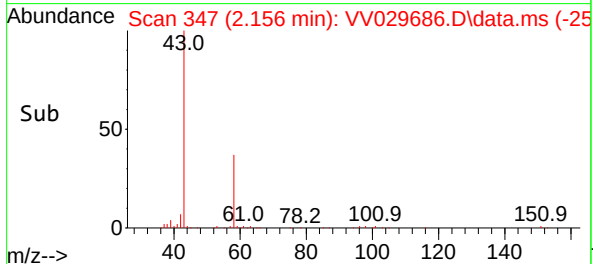
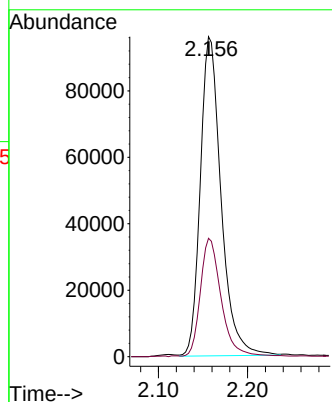
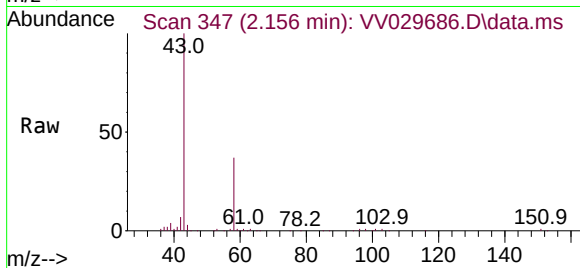
VSTD050389

Tgt Ion: 43 Resp: 155410

Ion Ratio Lower Upper

43 100

58 37.0 0.0 74.8



#14

Carbon disulfide

Concen: 44.100 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.000 min

Lab File: VV029686.D

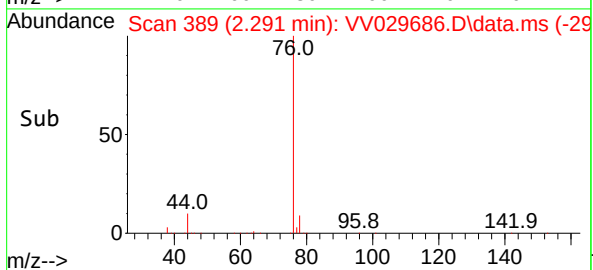
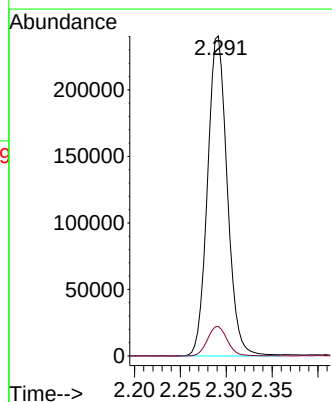
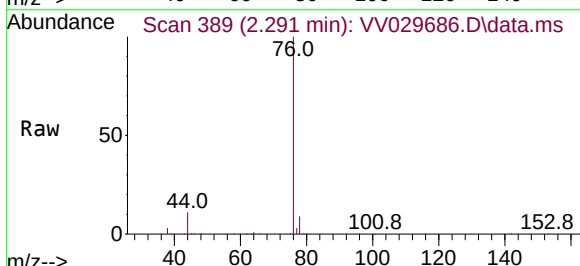
Acq: 14 Dec 2022 13:05

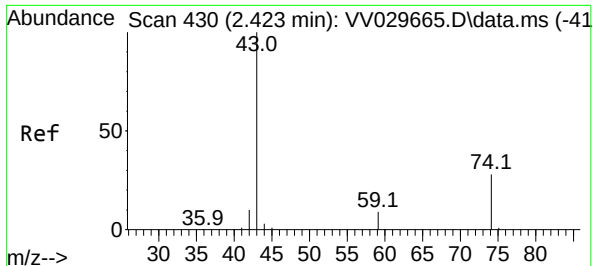
Tgt Ion: 76 Resp: 359416

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

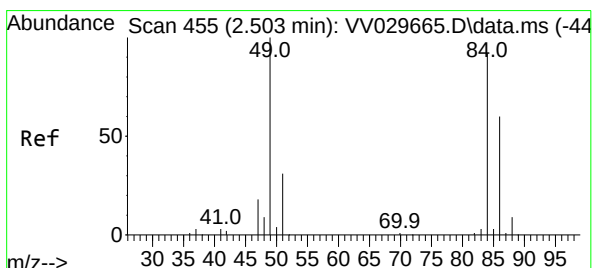
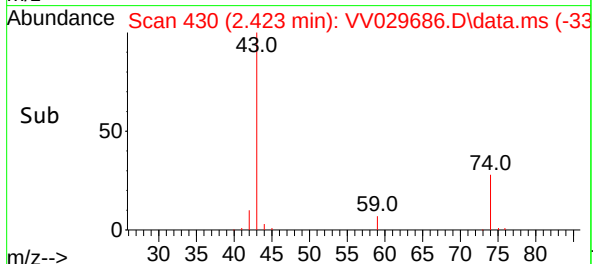
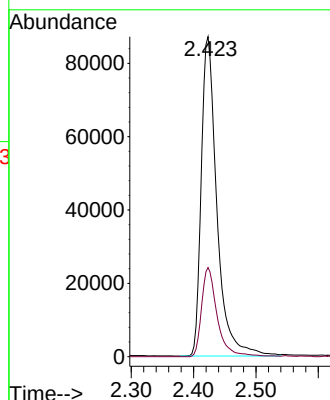
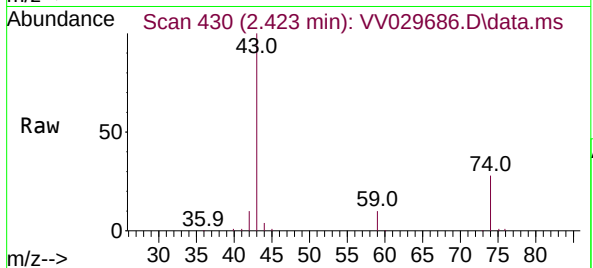




#15
Methyl Acetate
Concen: 59.921 ug/L
RT: 2.423 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

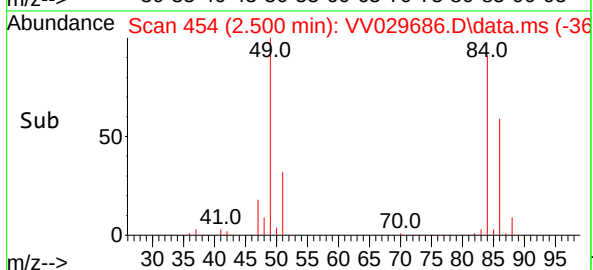
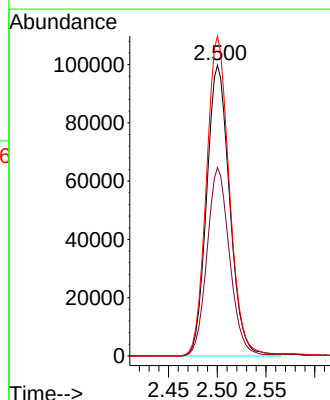
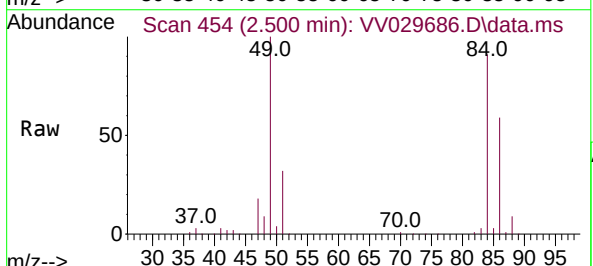
Instrument :
MSVOA_V
ClientSampleId :
VSTD050389

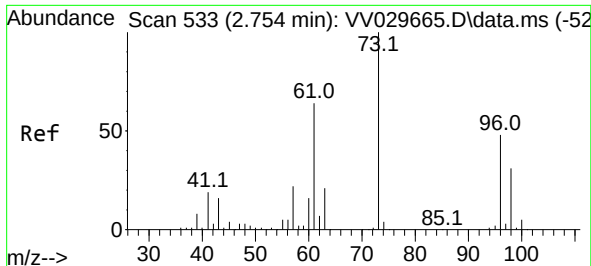
Tgt Ion: 43 Resp: 152203
Ion Ratio Lower Upper
43 100
74 27.7 23.5 35.3



#16
Methylene chloride
Concen: 53.727 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.003 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

Tgt Ion: 84 Resp: 163588
Ion Ratio Lower Upper
84 100
86 64.8 46.0 85.4
49 110.1 72.2 134.0





#17

trans-1,2-Dichloroethene

Concen: 49.710 ug/L

RT: 2.754 min Scan# 51

Delta R.T. 0.000 min

Lab File: VV029686.D

Acq: 14 Dec 2022 13:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD050389

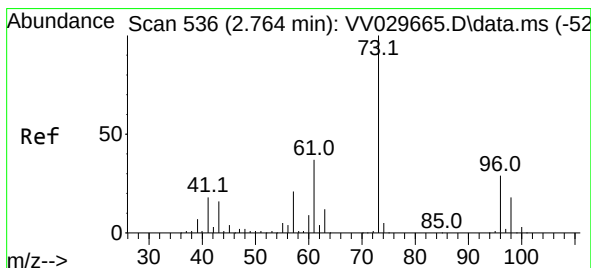
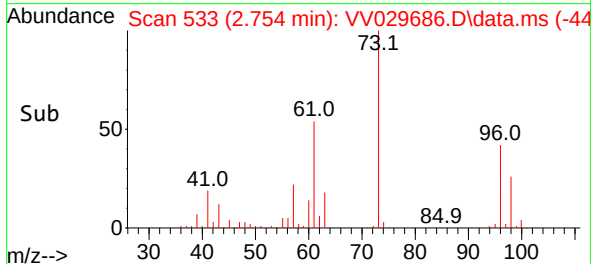
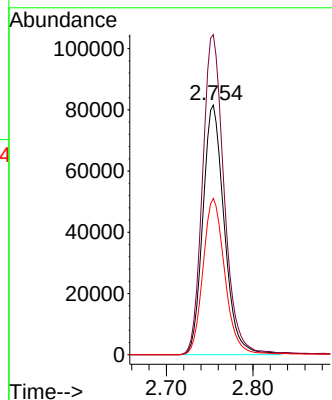
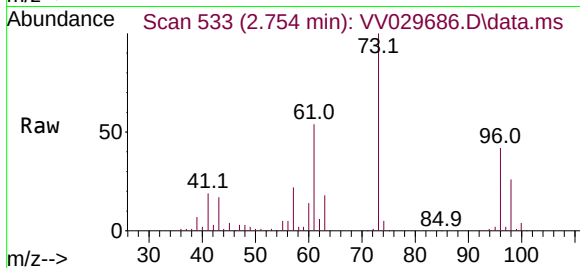
Tgt Ion: 96 Resp: 140263

Ion Ratio Lower Upper

96 100

61 128.2 86.4 160.4

98 62.6 43.4 80.6



#18

Methyl tert-butyl Ether

Concen: 55.052 ug/L

RT: 2.761 min Scan# 535

Delta R.T. -0.003 min

Lab File: VV029686.D

Acq: 14 Dec 2022 13:05

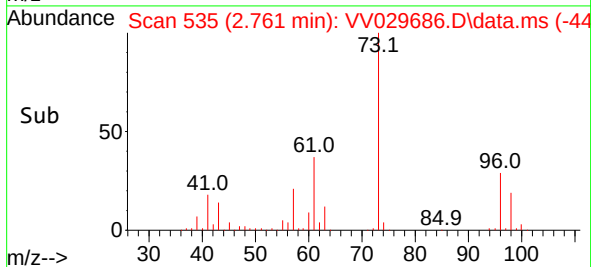
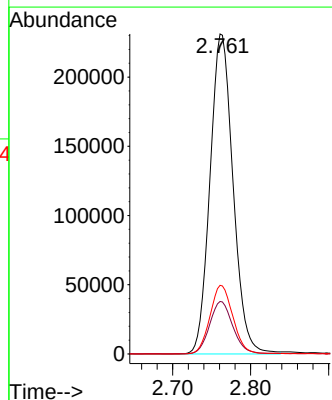
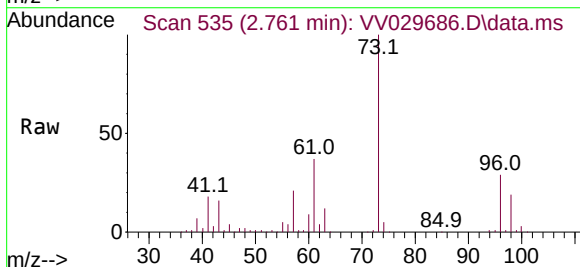
Tgt Ion: 73 Resp: 475927

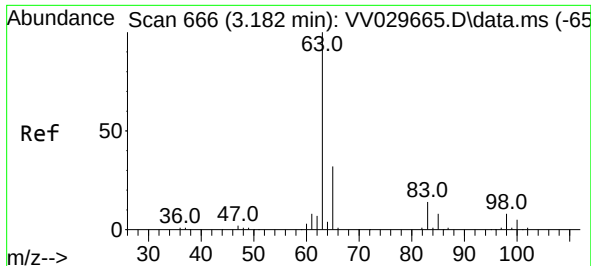
Ion Ratio Lower Upper

73 100

43 16.3 12.7 19.1

57 21.5 16.7 25.1





#19

1,1-Dichloroethane

Concen: 53.380 ug/L

RT: 3.182 min Scan# 666

Delta R.T. 0.000 min

Lab File: VV029686.D

Acq: 14 Dec 2022 13:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD050389

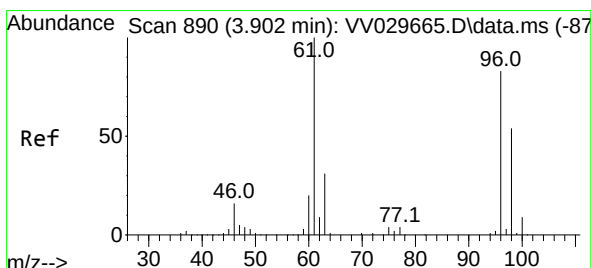
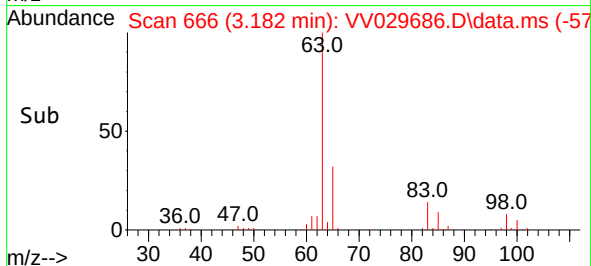
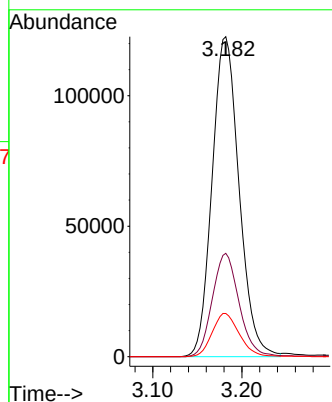
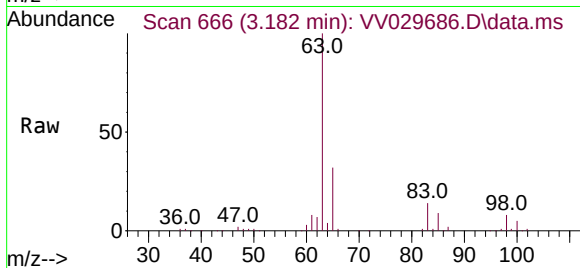
Tgt Ion: 63 Resp: 258033

Ion Ratio Lower Upper

63 100

65 32.3 22.5 41.7

83 13.5 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 51.851 ug/L

RT: 3.899 min Scan# 889

Delta R.T. -0.003 min

Lab File: VV029686.D

Acq: 14 Dec 2022 13:05

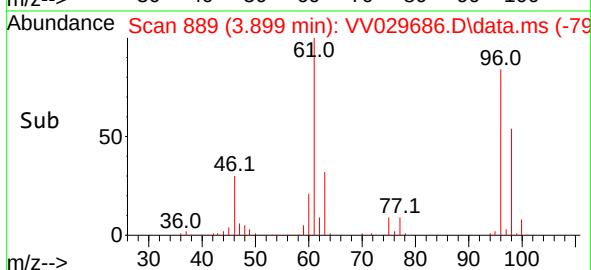
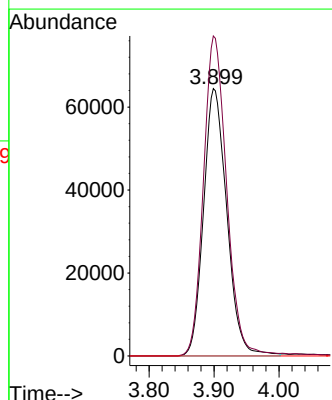
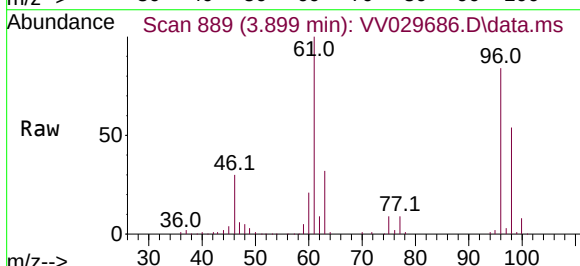
Tgt Ion: 96 Resp: 160880

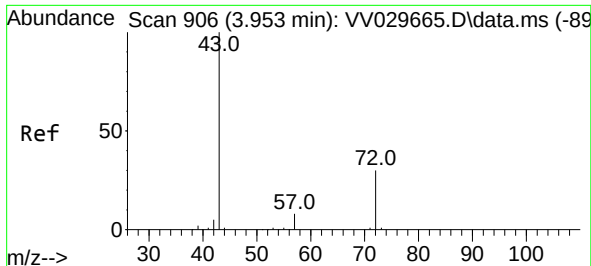
Ion Ratio Lower Upper

96 100

61 119.7 78.0 144.9

68 0.0 0.0 0.0

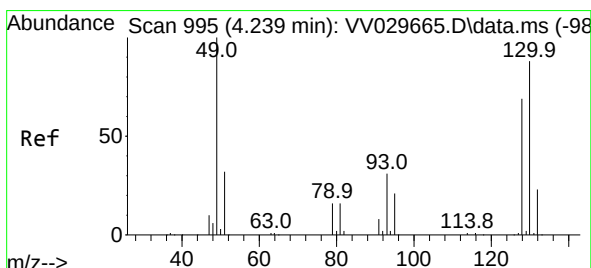
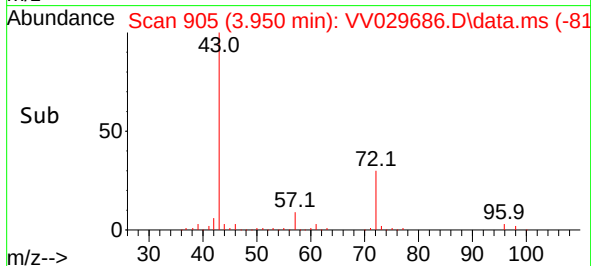
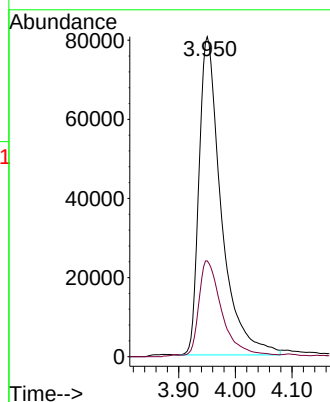
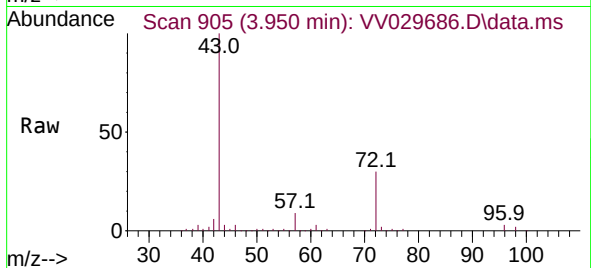




#22
2-Butanone
Concen: 123.511 ug/L
RT: 3.950 min Scan# 906
Delta R.T. -0.003 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

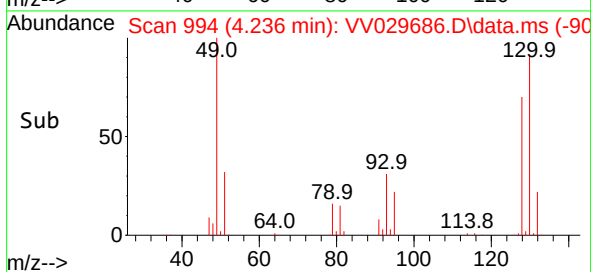
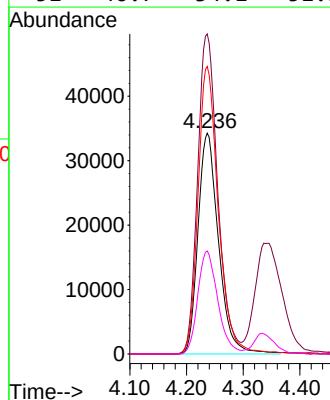
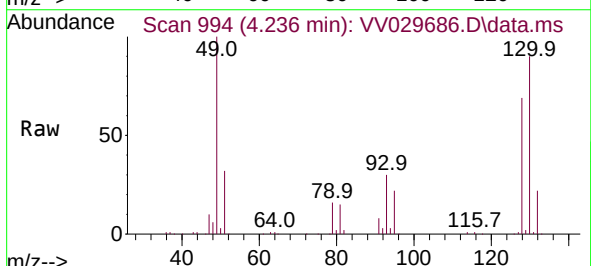
Instrument :
MSVOA_V
ClientSampleId :
VSTD050389

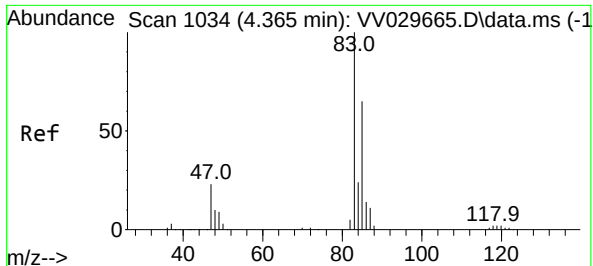
Tgt Ion: 43 Resp: 219105
Ion Ratio Lower Upper
43 100
72 30.5 15.9 47.6



#23
Bromochloromethane
Concen: 53.905 ug/L
RT: 4.236 min Scan# 994
Delta R.T. -0.003 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

Tgt Ion:128 Resp: 86124
Ion Ratio Lower Upper
128 100
49 144.9 92.2 171.2
130 130.3 88.3 164.1
51 46.7 34.1 51.1

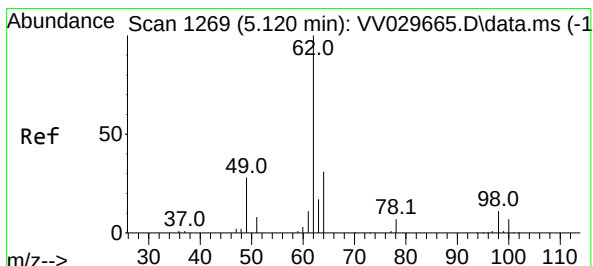
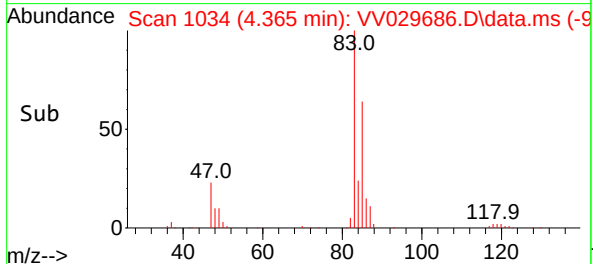
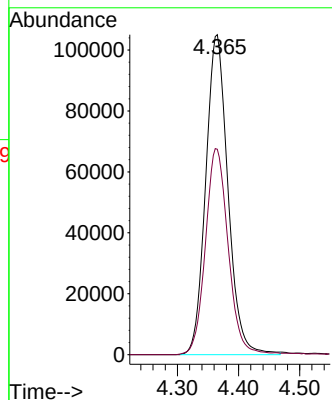
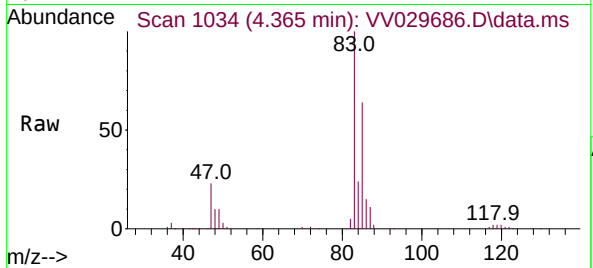




#25
Chloroform
Concen: 52.955 ug/L
RT: 4.365 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

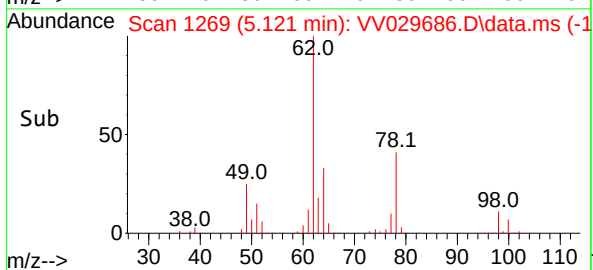
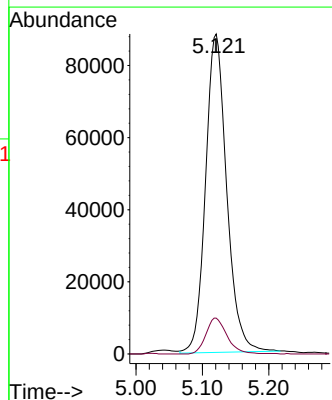
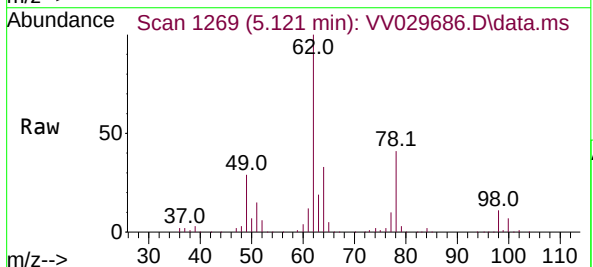
Instrument :
MSVOA_V
ClientSampleId :
VSTD050389

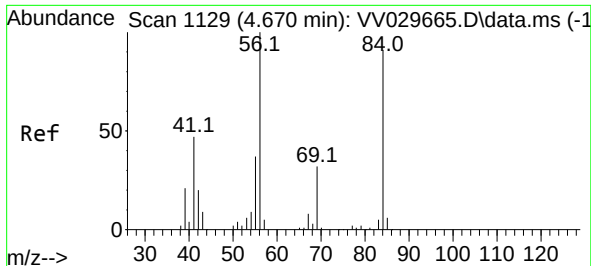
Tgt Ion: 83 Resp: 265373
Ion Ratio Lower Upper
83 100
85 64.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 55.255 ug/L
RT: 5.121 min Scan# 1269
Delta R.T. 0.000 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

Tgt Ion: 62 Resp: 195606
Ion Ratio Lower Upper
62 100
98 11.2 9.4 14.0





#29

Cyclohexane

Concen: 44.722 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. -0.003 min

Lab File: VV029686.D

Acq: 14 Dec 2022 13:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD050389

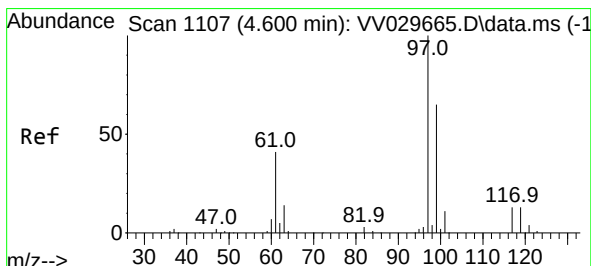
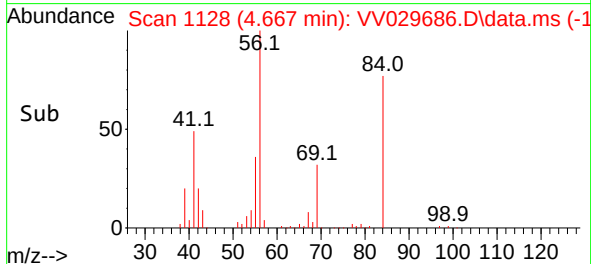
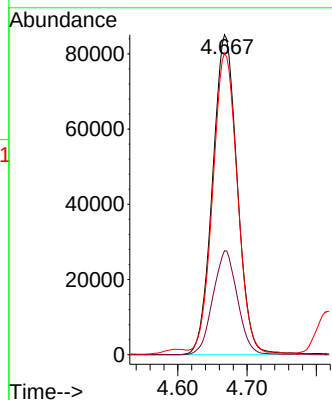
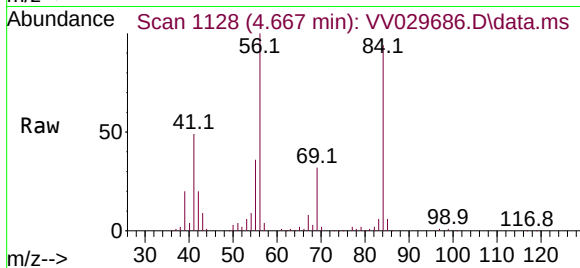
Tgt Ion: 56 Resp: 209882

Ion Ratio Lower Upper

56 100

69 32.3 25.8 38.8

84 93.2 76.6 114.8



#30

1,1,1-Trichloroethane

Concen: 45.781 ug/L

RT: 4.597 min Scan# 1106

Delta R.T. -0.003 min

Lab File: VV029686.D

Acq: 14 Dec 2022 13:05

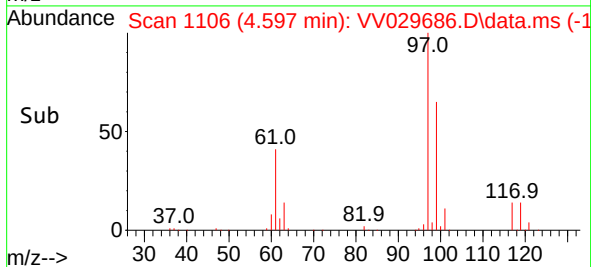
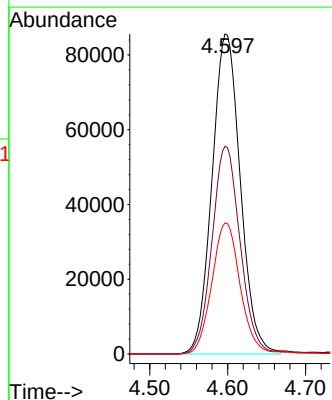
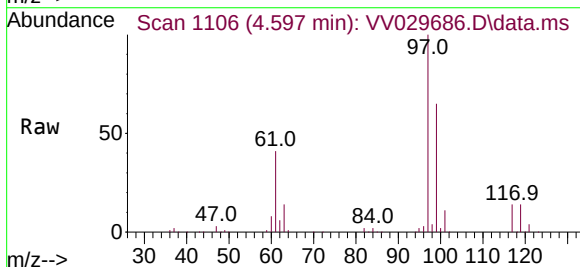
Tgt Ion: 97 Resp: 216089

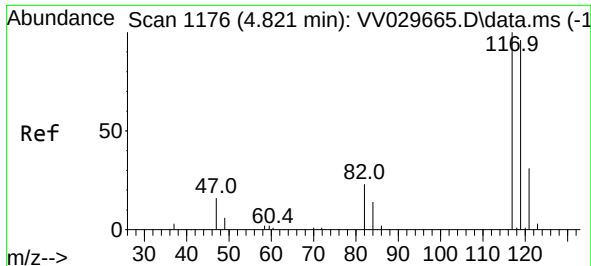
Ion Ratio Lower Upper

97 100

99 64.6 52.1 78.1

61 41.3 31.8 47.8

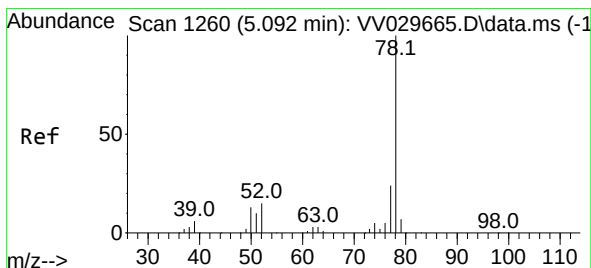
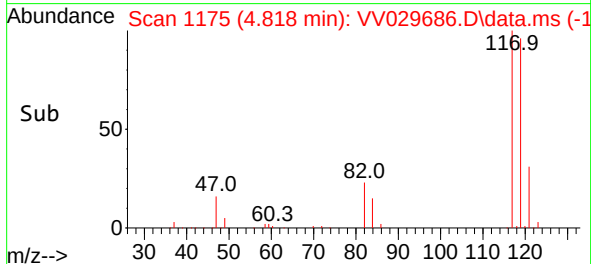
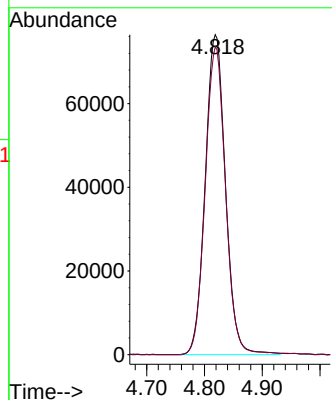
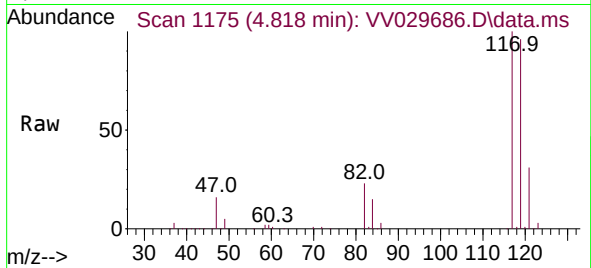




#31
Carbon tetrachloride
Concen: 45.219 ug/L
RT: 4.818 min Scan# 1175
Delta R.T. -0.003 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

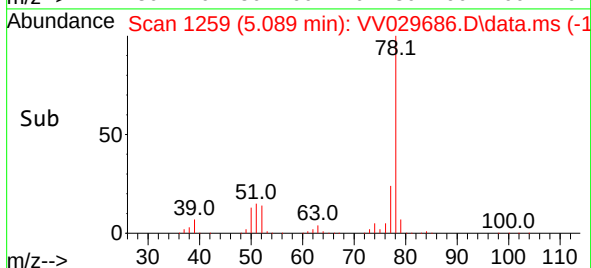
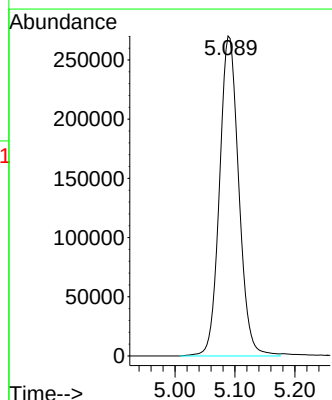
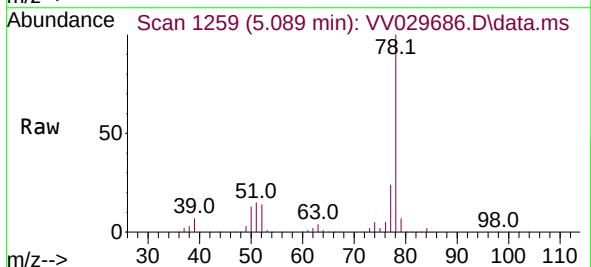
Instrument :
MSVOA_V
ClientSampleId :
VSTD050389

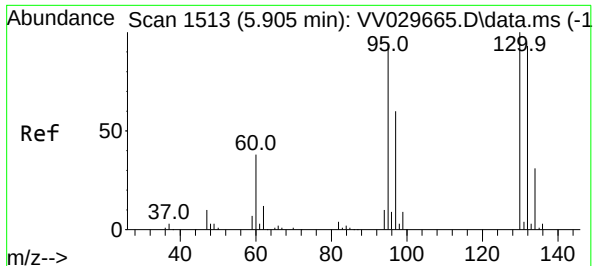
Tgt Ion:117 Resp: 186382
Ion Ratio Lower Upper
117 100
119 95.8 76.7 115.1



#33
Benzene
Concen: 49.267 ug/L
RT: 5.089 min Scan# 1259
Delta R.T. -0.003 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

Tgt Ion: 78 Resp: 601620

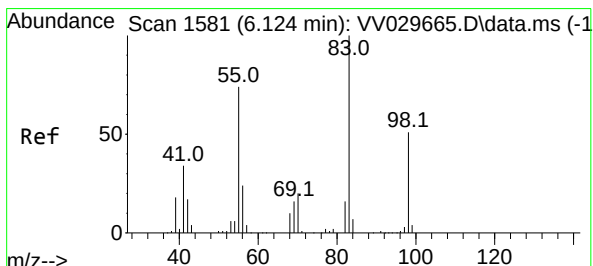
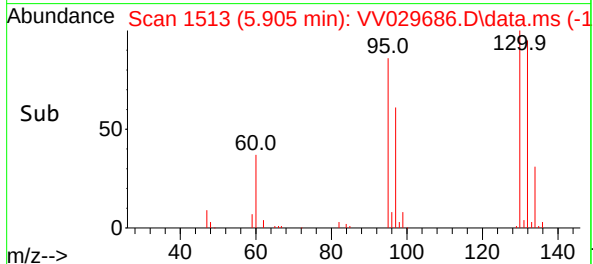
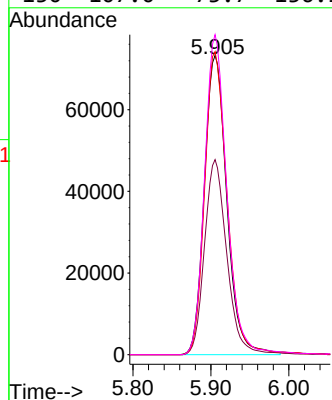
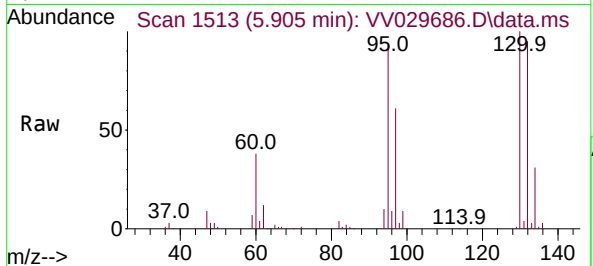




#34
Trichloroethene
Concen: 48.269 ug/L
RT: 5.905 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

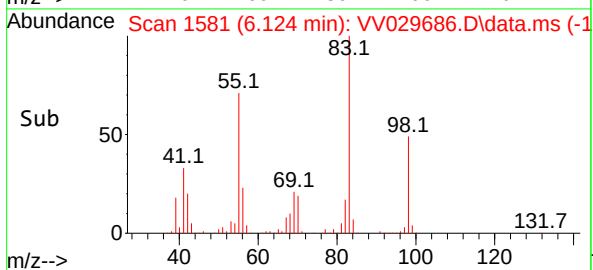
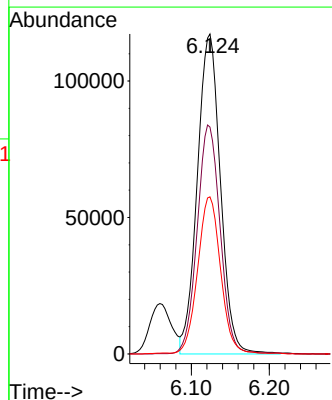
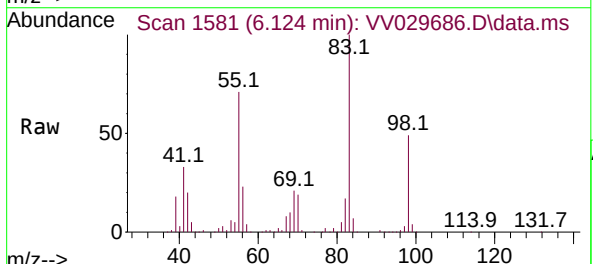
Instrument :
MSVOA_V
ClientSampleId :
VSTD050389

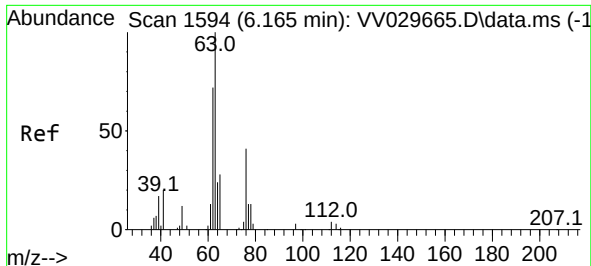
Tgt Ion: 95 Resp: 147705
Ion Ratio Lower Upper
95 100
97 65.2 44.0 81.8
132 101.3 69.9 129.9
130 107.0 73.7 136.9



#35
Methylcyclohexane
Concen: 46.552 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. 0.000 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

Tgt Ion: 83 Resp: 241941
Ion Ratio Lower Upper
83 100
55 70.7 55.5 83.3
98 48.4 39.8 59.8





#37

1,2-Dichloropropane

Concen: 53.459 ug/L

RT: 6.162 min Scan# 1593

Delta R.T. -0.003 min

Lab File: VV029686.D

Acq: 14 Dec 2022 13:05

Instrument :

MSVOA_V

ClientSampleId :

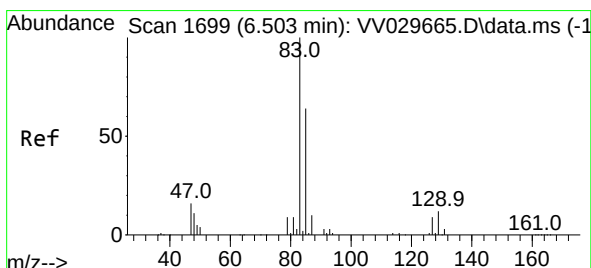
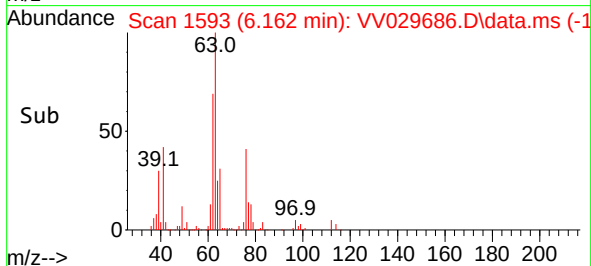
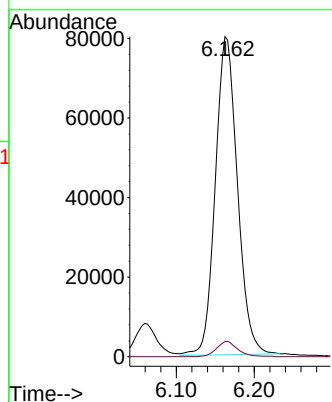
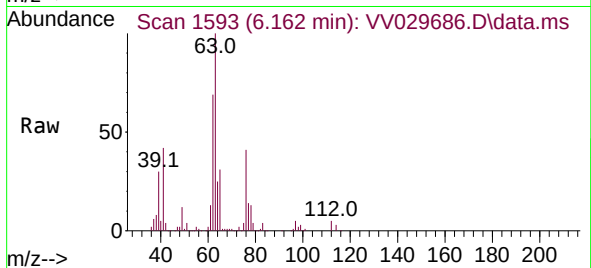
VSTD050389

Tgt Ion: 63 Resp: 157562

Ion Ratio Lower Upper

63 100

112 4.6 3.9 5.9



#38

Bromodichloromethane

Concen: 50.369 ug/L

RT: 6.500 min Scan# 1698

Delta R.T. -0.003 min

Lab File: VV029686.D

Acq: 14 Dec 2022 13:05

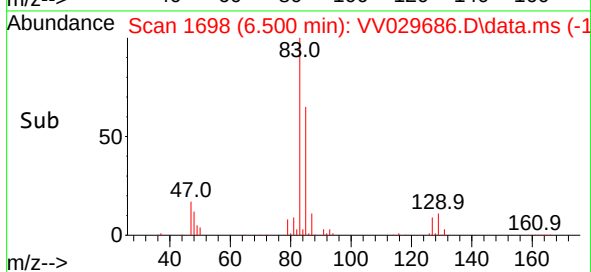
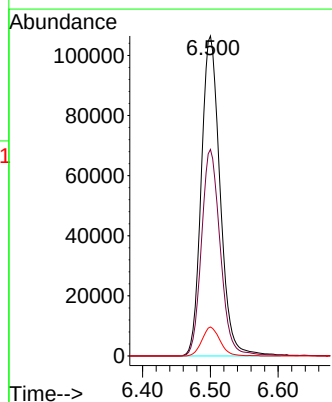
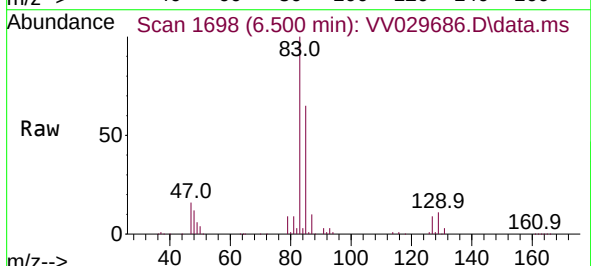
Tgt Ion: 83 Resp: 204936

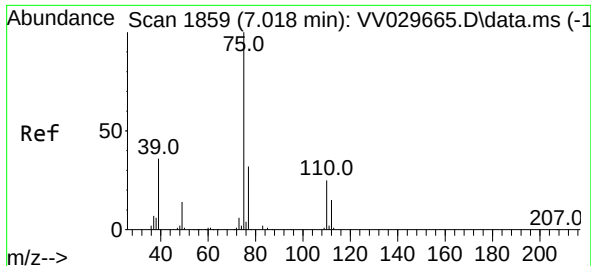
Ion Ratio Lower Upper

83 100

85 64.6 45.3 84.1

127 9.1 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 45.492 ug/L

RT: 7.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV029686.D

Acq: 14 Dec 2022 13:05

Instrument :

MSVOA_V

ClientSampleId :

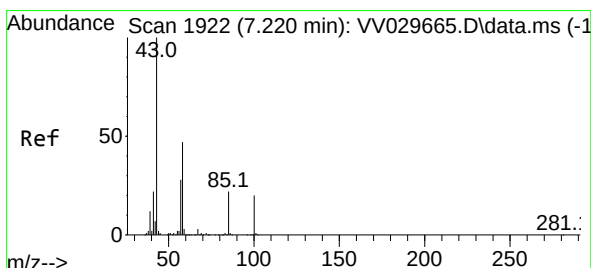
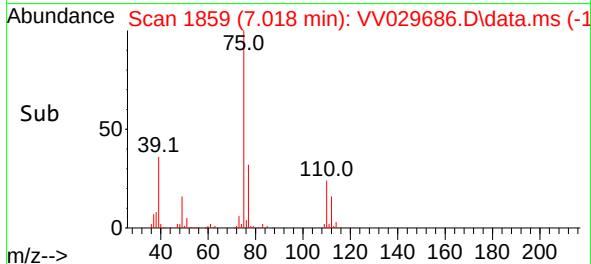
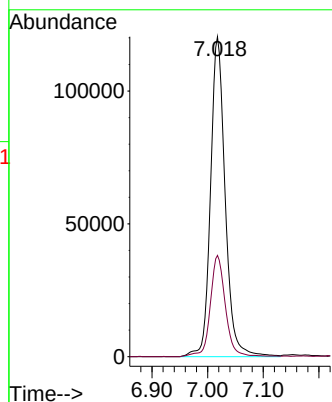
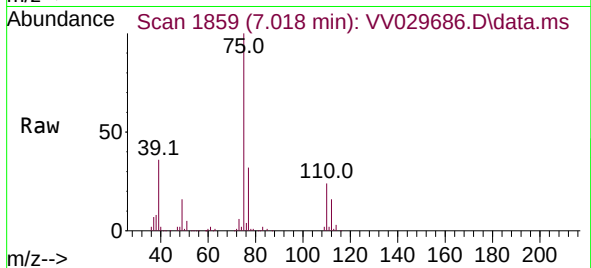
VSTD050389

Tgt Ion: 75 Resp: 220510

Ion Ratio Lower Upper

75 100

77 31.6 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 117.890 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. 0.000 min

Lab File: VV029686.D

Acq: 14 Dec 2022 13:05

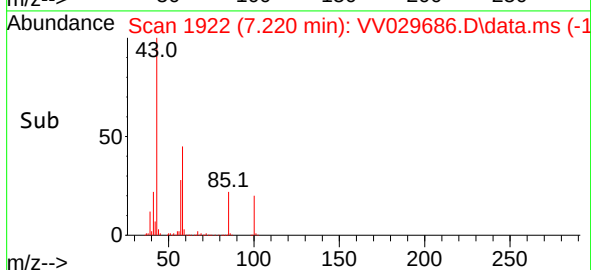
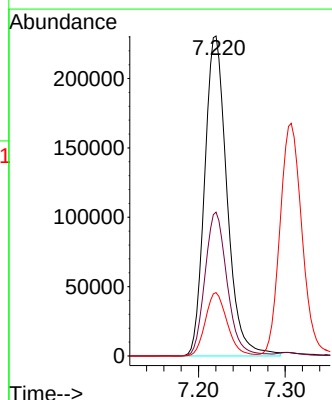
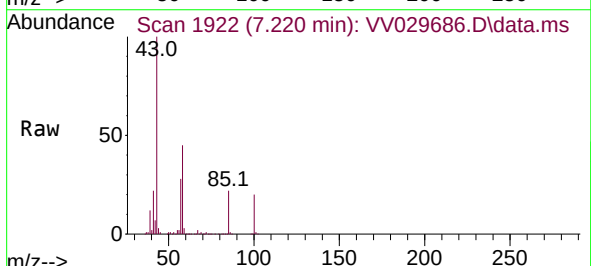
Tgt Ion: 43 Resp: 414281

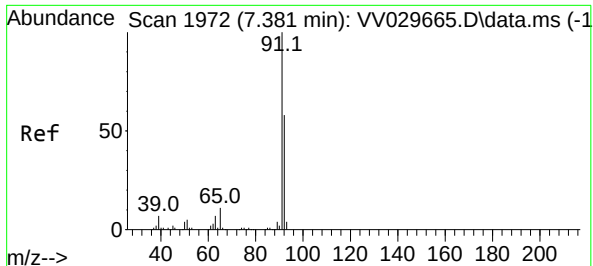
Ion Ratio Lower Upper

43 100

58 44.6 37.5 56.3

100 19.3 16.7 25.1

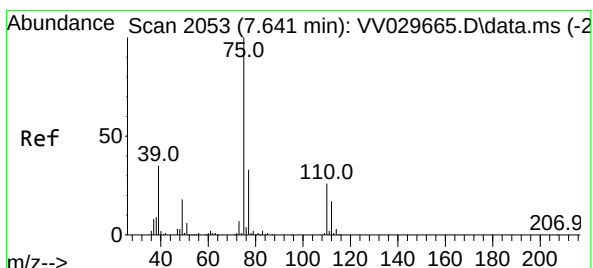
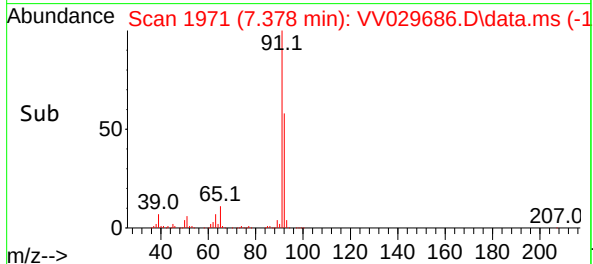
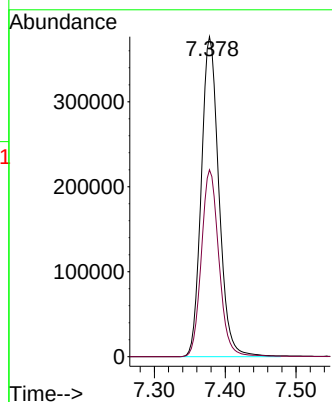
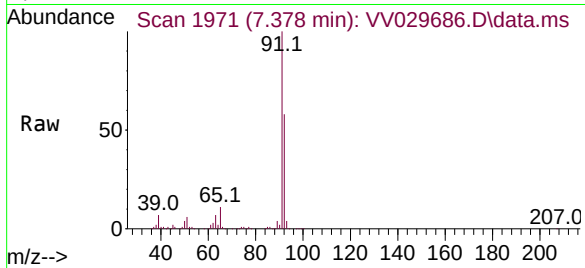




#42
Toluene
Concen: 49.467 ug/L
RT: 7.378 min Scan# 1972
Delta R.T. -0.003 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

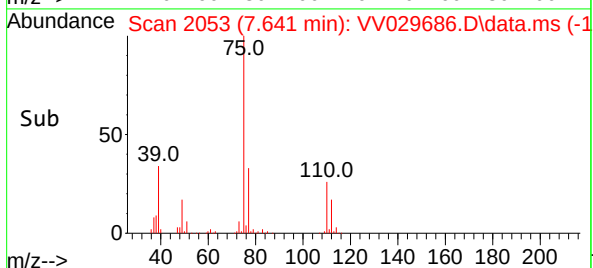
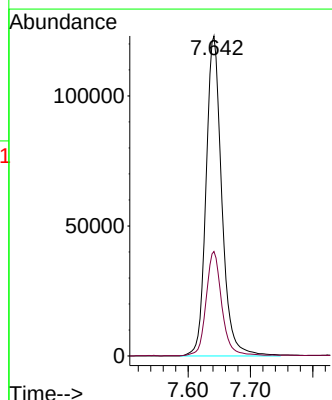
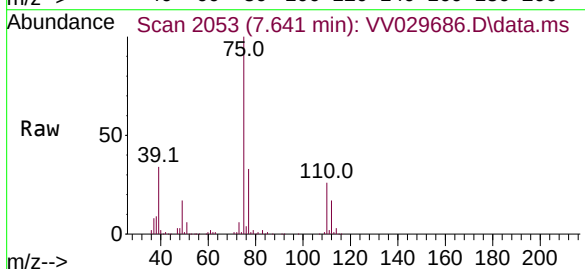
Instrument :
MSVOA_V
ClientSampleId :
VSTD050389

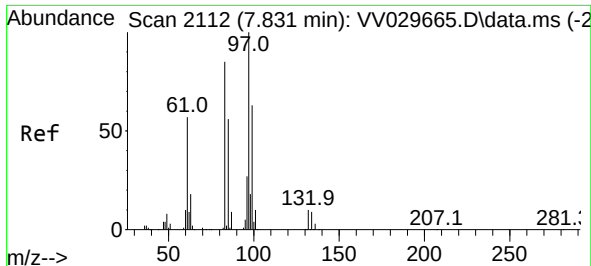
Tgt Ion: 91 Resp: 650171
Ion Ratio Lower Upper
91 100
92 58.4 40.6 75.4



#44
trans-1,3-Dichloropropene
Concen: 47.130 ug/L
RT: 7.641 min Scan# 2053
Delta R.T. 0.000 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

Tgt Ion: 75 Resp: 216346
Ion Ratio Lower Upper
75 100
77 32.7 22.3 41.5



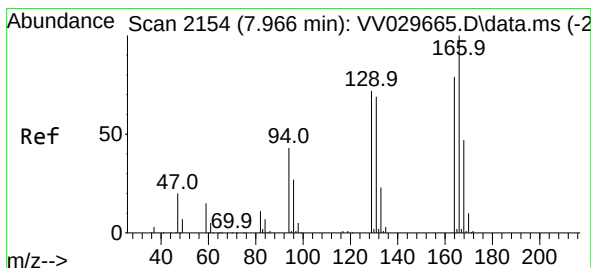
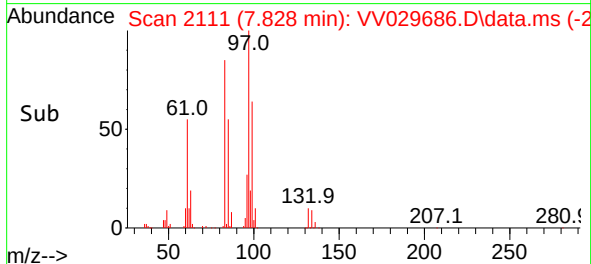
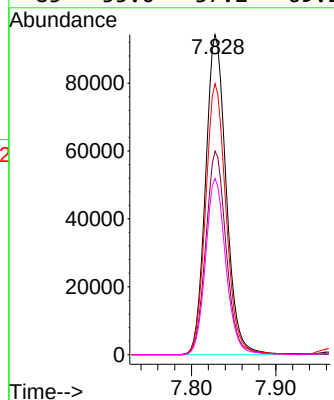
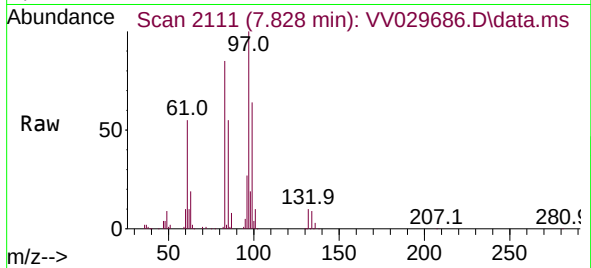


#45
1,1,2-Trichloroethane
Concen: 52.764 ug/L
RT: 7.828 min Scan# 2111
Delta R.T. -0.003 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD050389

Tgt Ion: 97 Resp: 160664

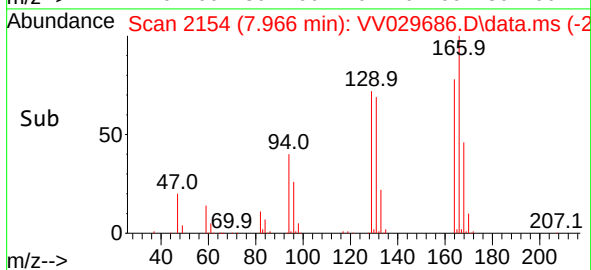
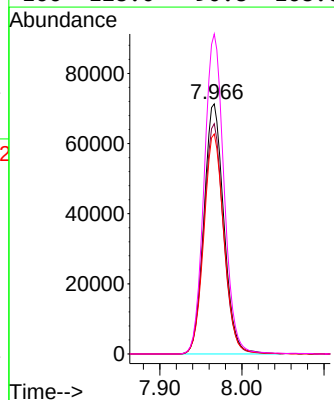
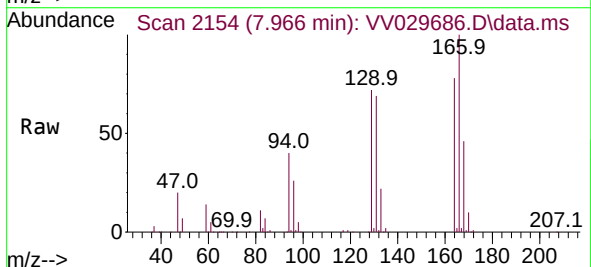
Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.8	81.3
83	84.7	58.6	108.8
85	55.0	37.2	69.2

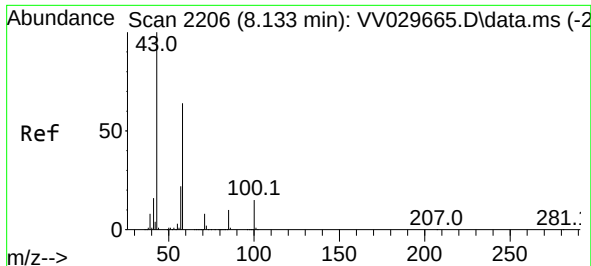


#46
Tetrachloroethene
Concen: 48.796 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. 0.000 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

Tgt Ion: 164 Resp: 120050

Ion	Ratio	Lower	Upper
164	100		
129	92.1	65.3	121.3
131	88.0	63.1	117.1
166	128.0	90.8	168.6

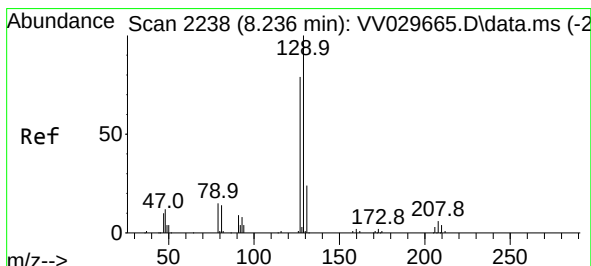
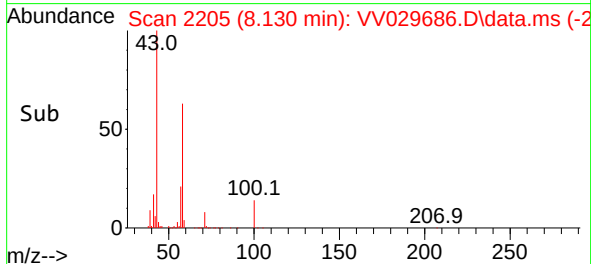
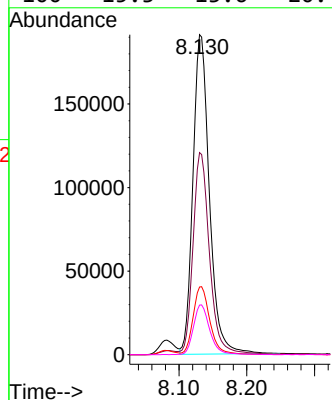
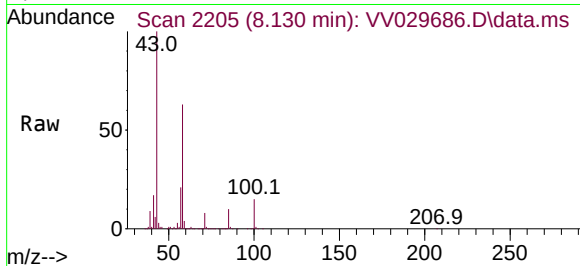




#48
2-Hexanone
Concen: 120.128 ug/L
RT: 8.130 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

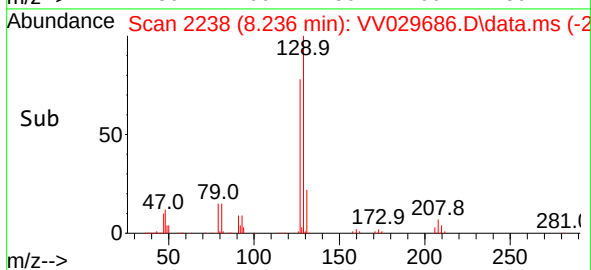
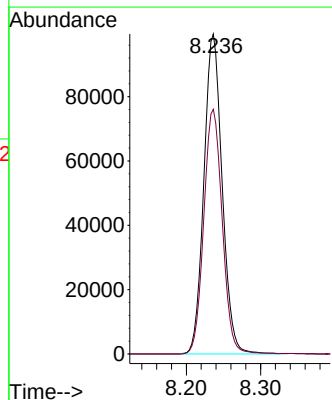
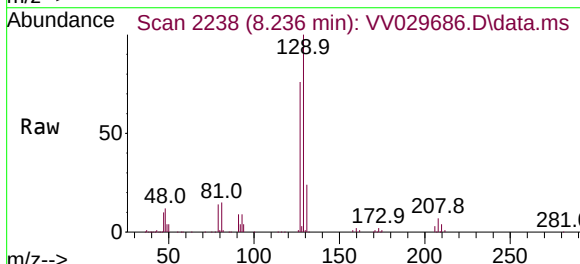
Instrument :
MSVOA_V
ClientSampleId :
VSTD050389

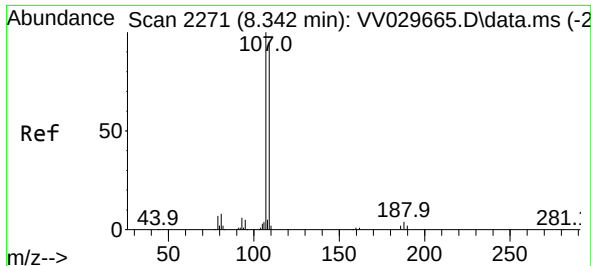
Tgt Ion: 43 Resp: 322519
Ion Ratio Lower Upper
43 100
58 62.6 54.1 81.1
57 21.8 17.4 26.0
100 15.3 13.6 20.4



#49
Dibromochloromethane
Concen: 50.575 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. 0.000 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

Tgt Ion: 129 Resp: 170025
Ion Ratio Lower Upper
129 100
127 76.4 55.2 102.4





#50

1,2-Dibromoethane

Concen: 51.134 ug/L

RT: 8.342 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV029686.D

Acq: 14 Dec 2022 13:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD050389

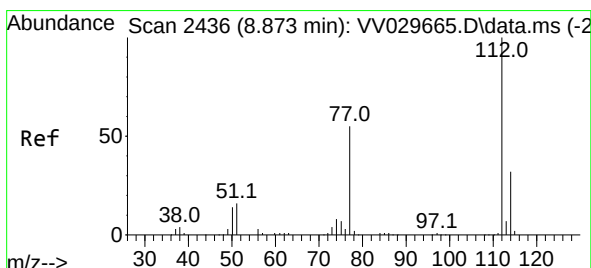
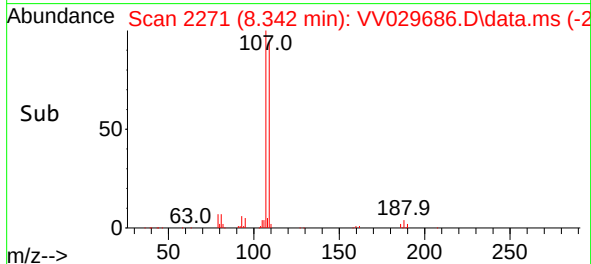
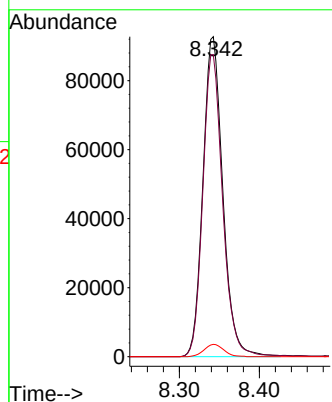
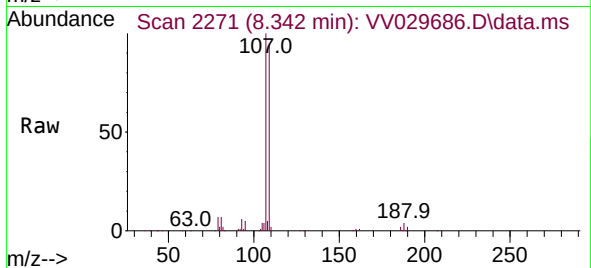
Tgt Ion:107 Resp: 160410

Ion Ratio Lower Upper

107 100

109 94.4 66.0 122.6

188 3.8 3.2 4.8



#51

Chlorobenzene

Concen: 51.676 ug/L

RT: 8.870 min Scan# 2435

Delta R.T. -0.003 min

Lab File: VV029686.D

Acq: 14 Dec 2022 13:05

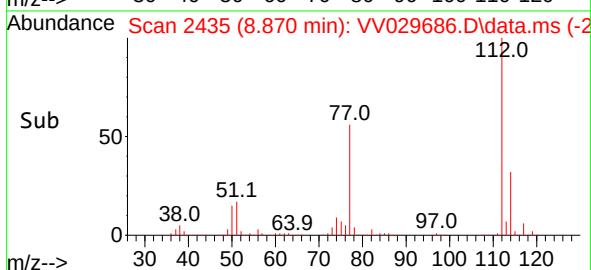
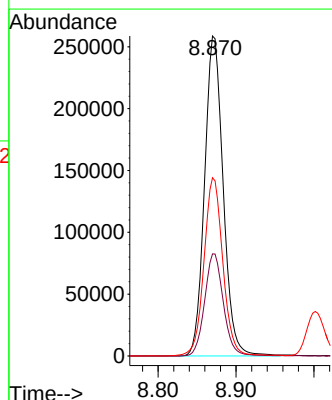
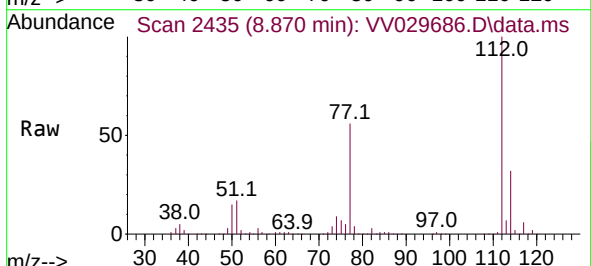
Tgt Ion:112 Resp: 430089

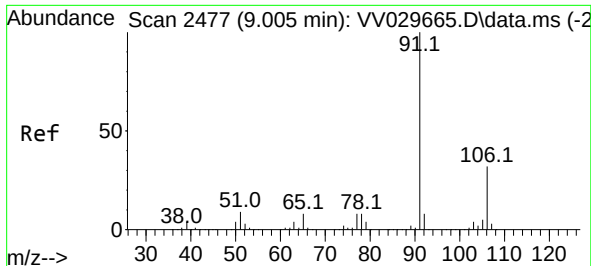
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.3

77 55.7 45.0 67.4

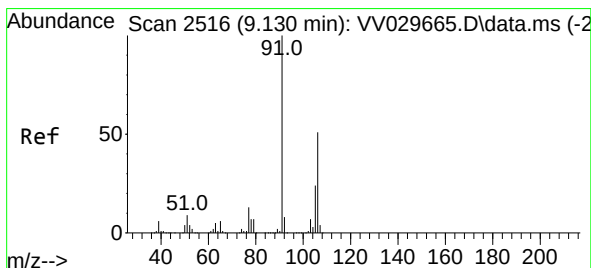
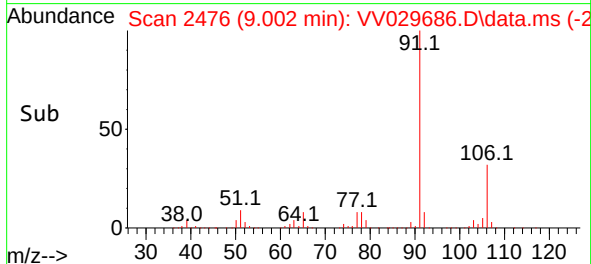
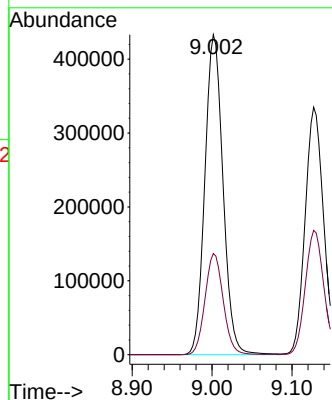
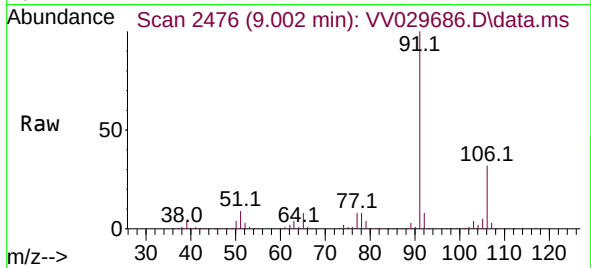




#52
Ethylbenzene
Concen: 49.541 ug/L
RT: 9.002 min Scan# 2477
Delta R.T. -0.003 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

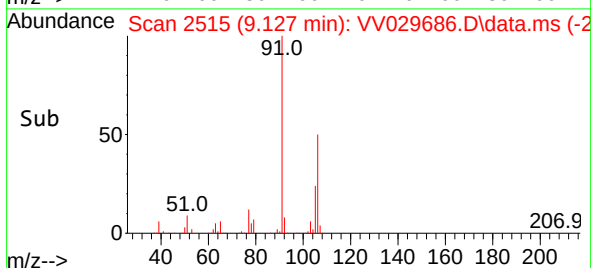
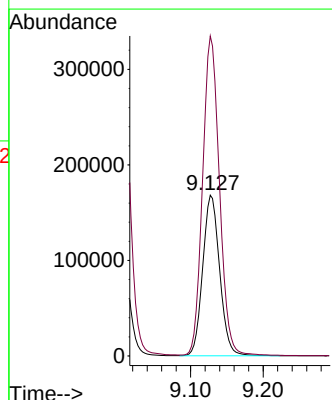
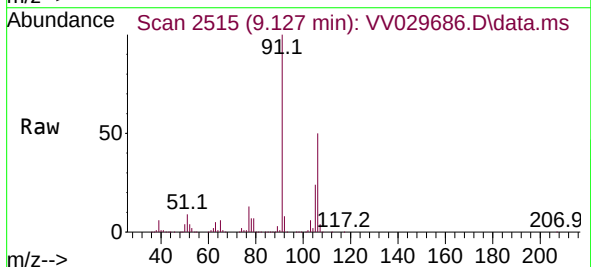
Instrument :
MSVOA_V
ClientSampleId :
VSTD050389

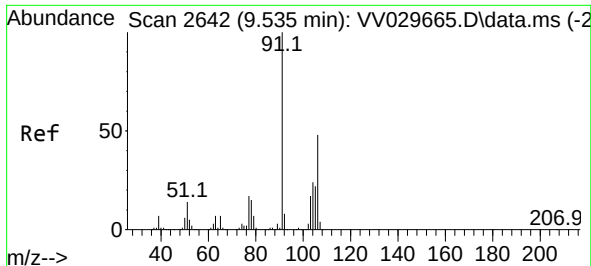
Tgt Ion: 91 Resp: 684585
Ion Ratio Lower Upper
91 100
106 31.6 21.8 40.6



#53
m,p-Xylene
Concen: 49.918 ug/L
RT: 9.127 min Scan# 2515
Delta R.T. -0.003 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

Tgt Ion: 106 Resp: 273015
Ion Ratio Lower Upper
106 100
91 199.0 139.5 259.1

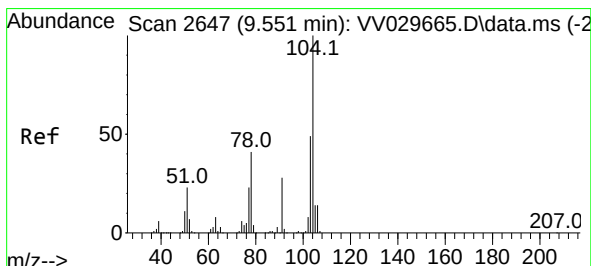
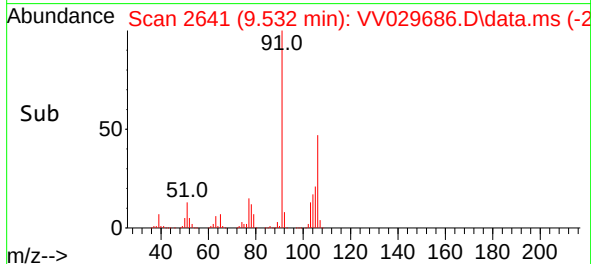
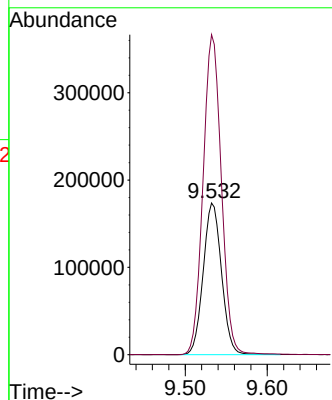
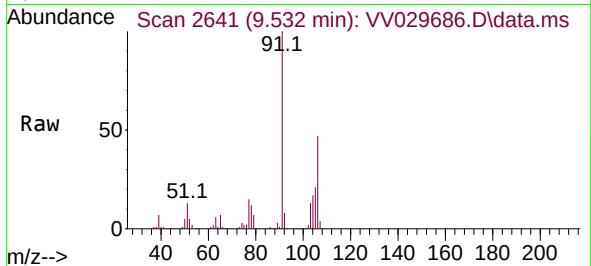




#54
o-Xylene
Concen: 49.789 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. -0.003 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

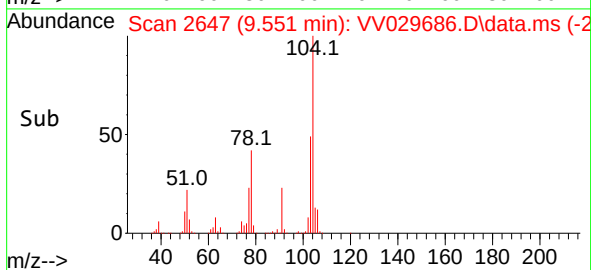
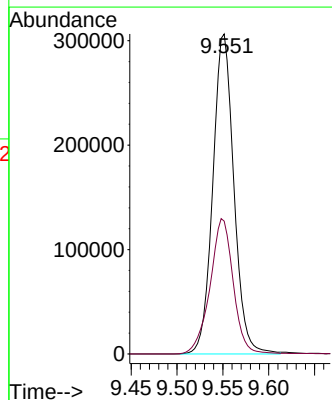
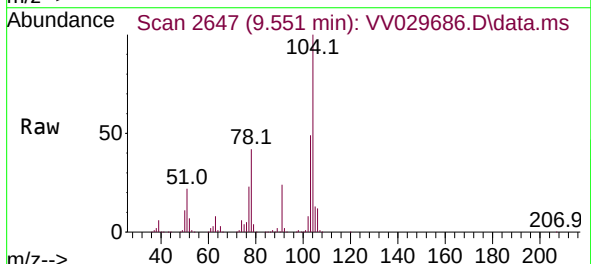
Instrument :
MSVOA_V
ClientSampleId :
VSTD050389

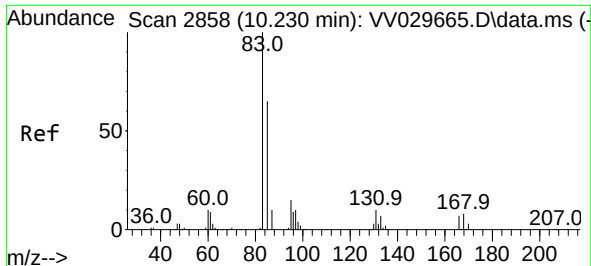
Tgt Ion:106 Resp: 269356
Ion Ratio Lower Upper
106 100
91 210.9 148.0 274.8



#55
Styrene
Concen: 52.083 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.000 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

Tgt Ion:104 Resp: 489658
Ion Ratio Lower Upper
104 100
78 41.5 29.4 54.6





#57

1,1,2,2-Tetrachloroethane

Concen: 53.695 ug/L

RT: 10.230 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV029686.D

Acq: 14 Dec 2022 13:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD050389

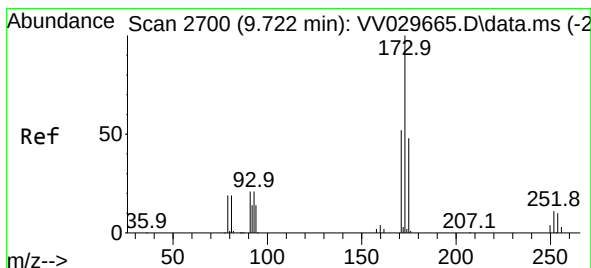
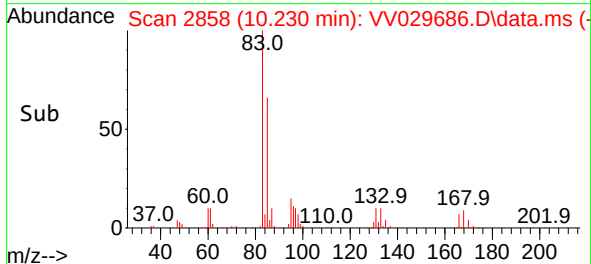
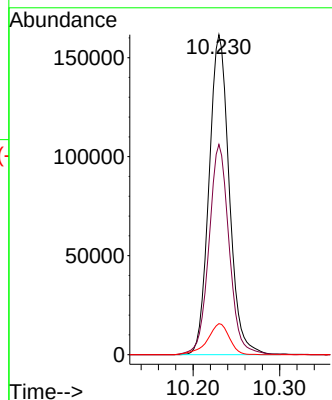
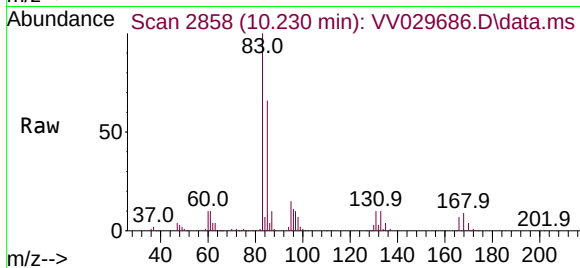
Tgt Ion: 83 Resp: 261536

Ion Ratio Lower Upper

83 100

85 65.7 45.7 84.9

131 9.7 7.9 11.9



#59

Bromoform

Concen: 47.100 ug/L

RT: 9.719 min Scan# 2699

Delta R.T. -0.003 min

Lab File: VV029686.D

Acq: 14 Dec 2022 13:05

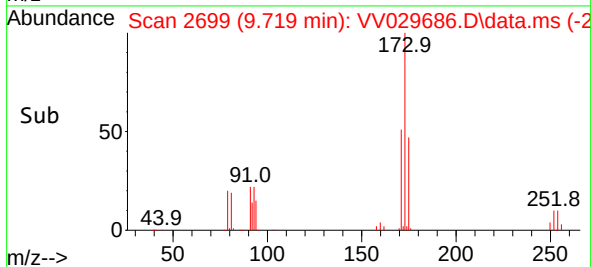
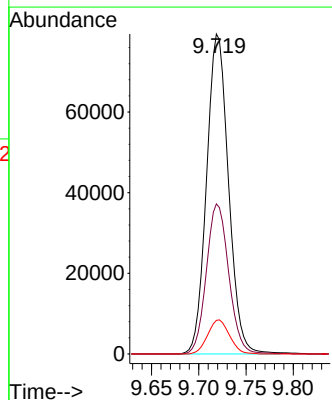
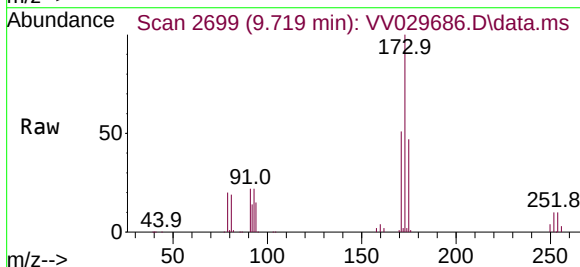
Tgt Ion: 173 Resp: 128255

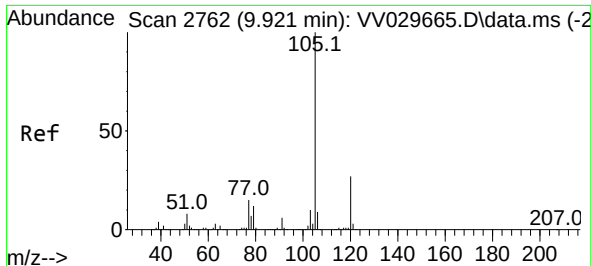
Ion Ratio Lower Upper

173 100

175 47.8 38.4 57.6

254 10.5 7.8 11.8

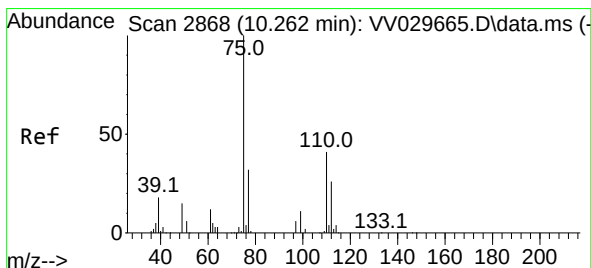
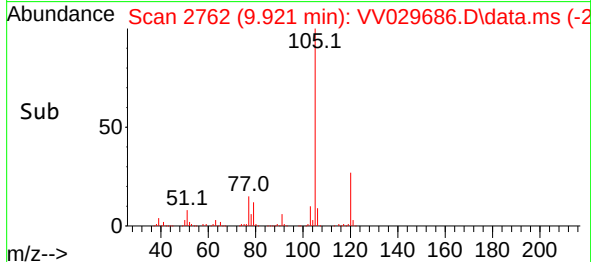
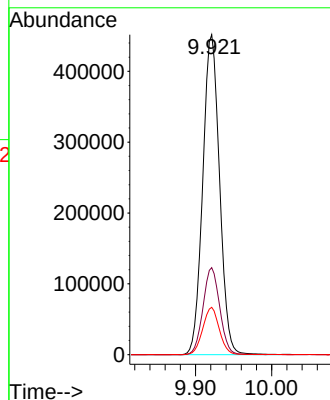
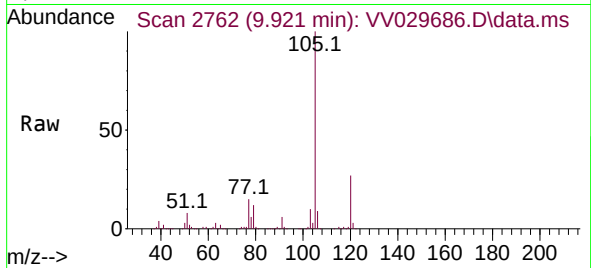




#60
Isopropylbenzene
Concen: 47.841 ug/L
RT: 9.921 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

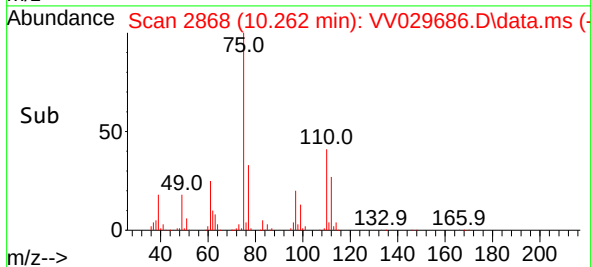
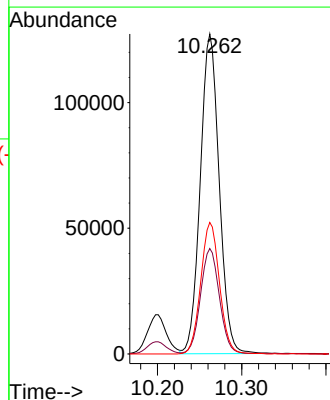
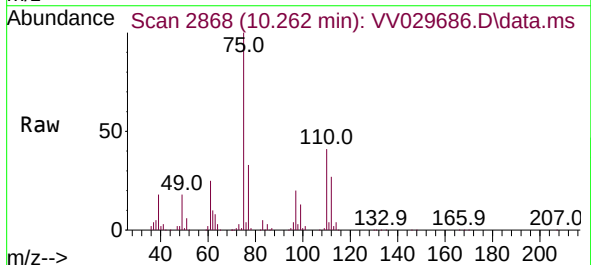
Instrument :
MSVOA_V
ClientSampleId :
VSTD050389

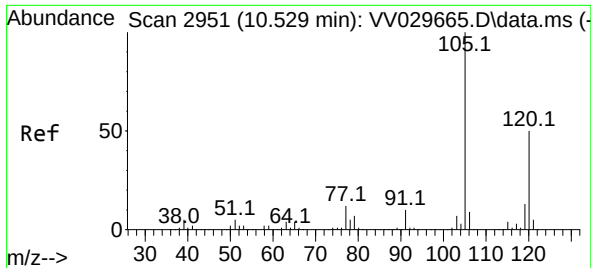
Tgt Ion:105 Resp: 692372
Ion Ratio Lower Upper
105 100
120 27.1 21.1 31.7
77 14.6 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 52.263 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. 0.000 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

Tgt Ion: 75 Resp: 198858
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.2
110 40.8 32.7 49.1





#62

1,3,5-Trimethylbenzene

Concen: 47.817 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VV029686.D

Acq: 14 Dec 2022 13:05

Instrument :

MSVOA_V

ClientSampleId :

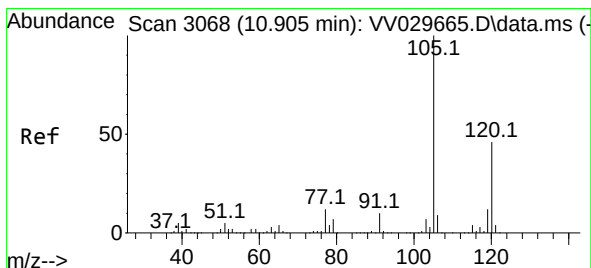
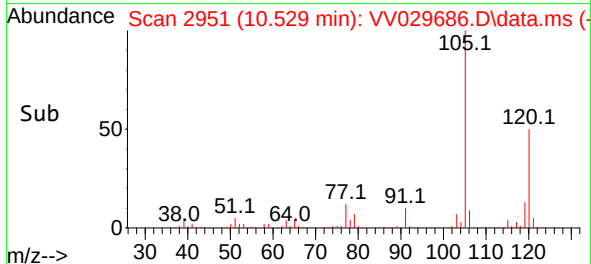
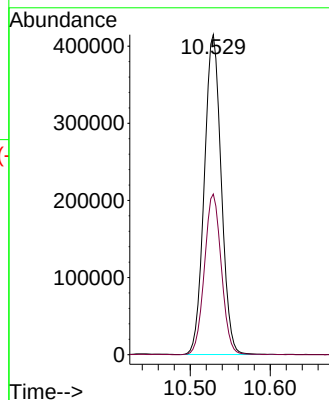
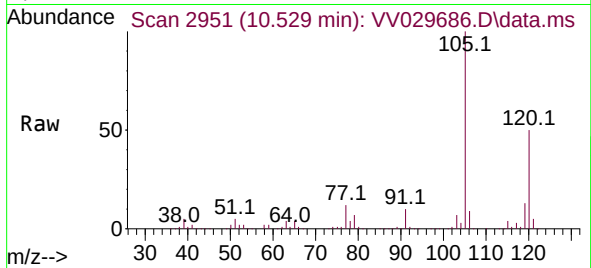
VSTD050389

Tgt Ion:105 Resp: 611884

Ion Ratio Lower Upper

105 100

120 50.1 40.0 60.0



#63

1,2,4-Trimethylbenzene

Concen: 48.646 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. -0.003 min

Lab File: VV029686.D

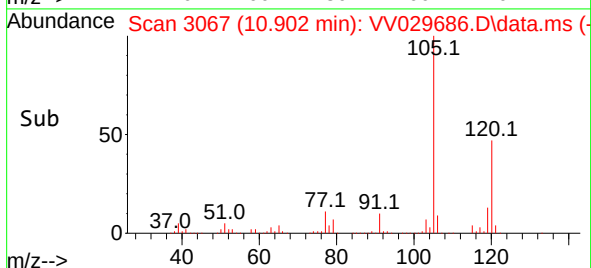
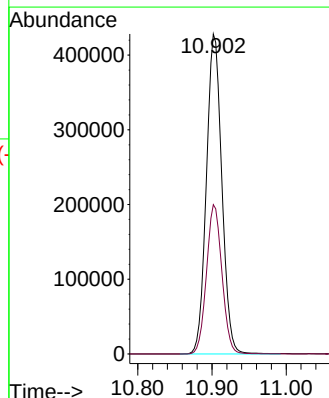
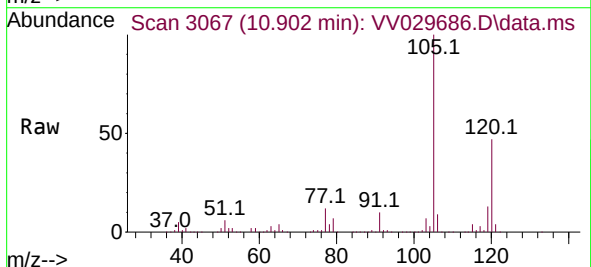
Acq: 14 Dec 2022 13:05

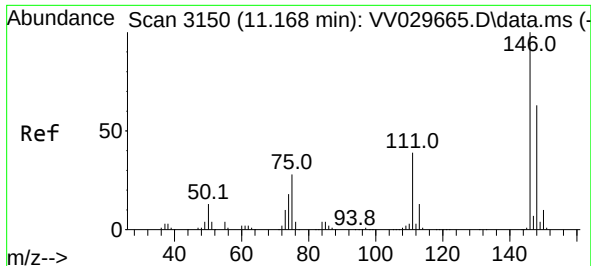
Tgt Ion:105 Resp: 617050

Ion Ratio Lower Upper

105 100

120 46.6 36.7 55.1

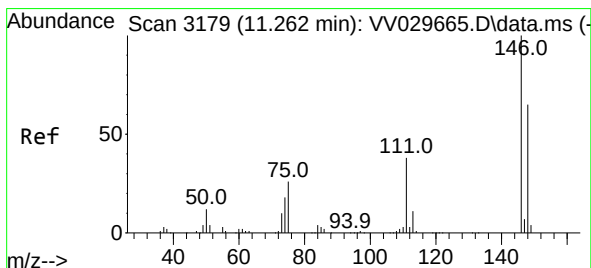
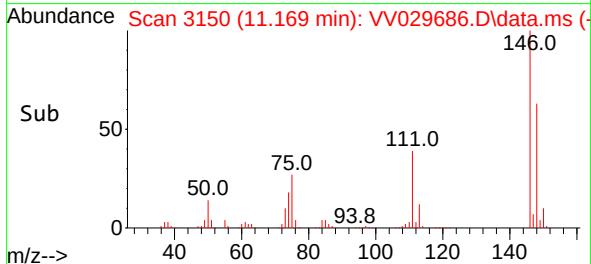
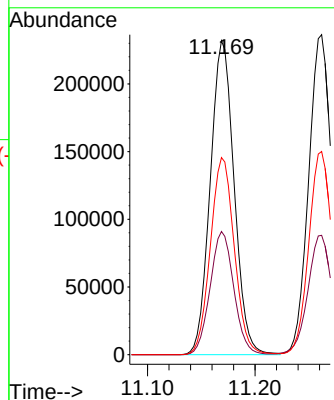
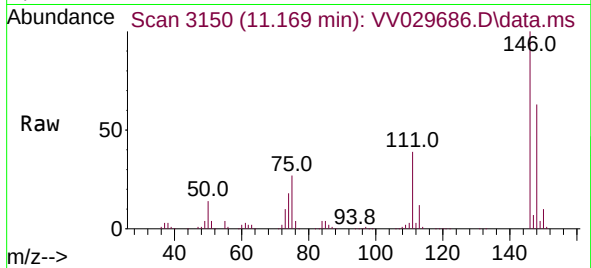




#64
1,3-Dichlorobenzene
Concen: 50.520 ug/L
RT: 11.169 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

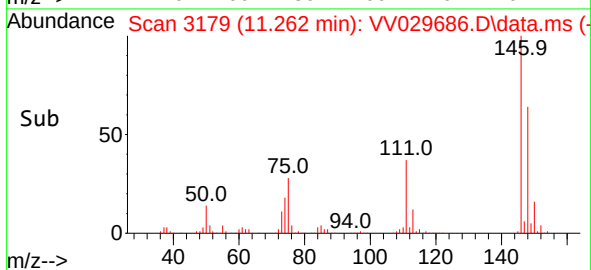
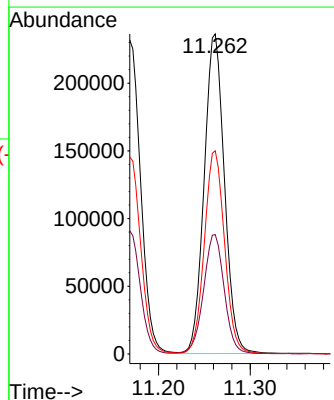
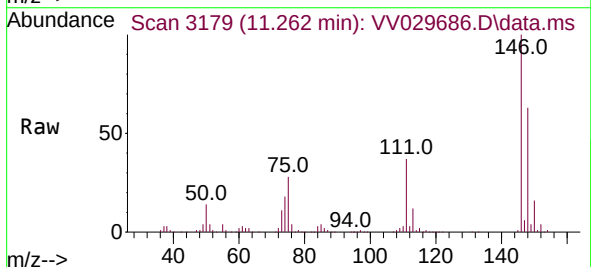
Instrument :
MSVOA_V
ClientSampleId :
VSTD050389

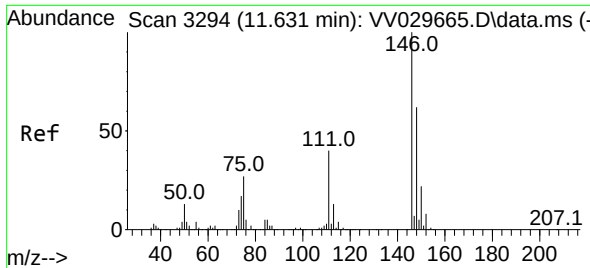
Tgt Ion:146 Resp: 357495
Ion Ratio Lower Upper
146 100
111 39.3 27.4 51.0
148 62.8 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 50.393 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

Tgt Ion:146 Resp: 362403
Ion Ratio Lower Upper
146 100
111 37.3 26.2 48.8
148 63.5 44.7 83.1

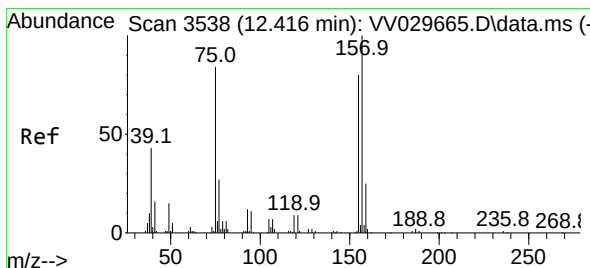
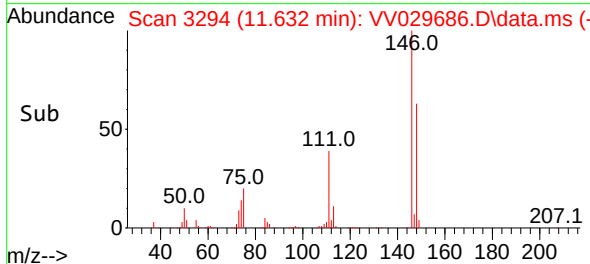
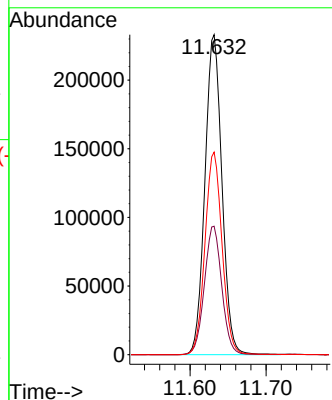
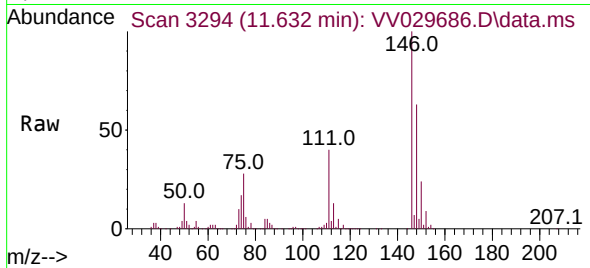




#67
 1,2-Dichlorobenzene
 Concen: 50.129 ug/L
 RT: 11.632 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV029686.D
 Acq: 14 Dec 2022 13:05

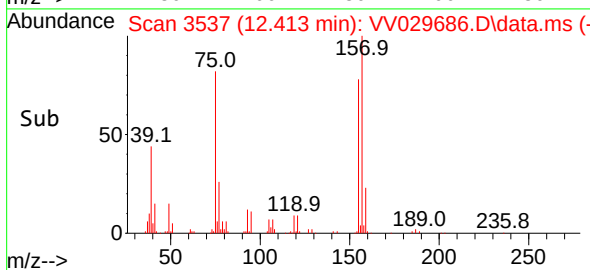
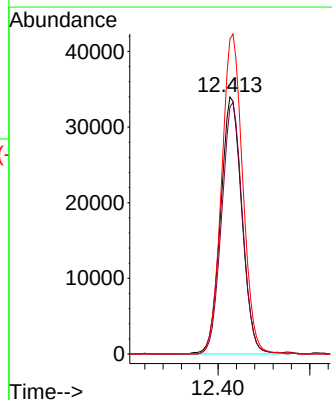
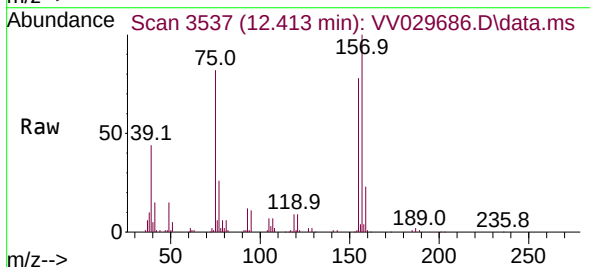
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050389

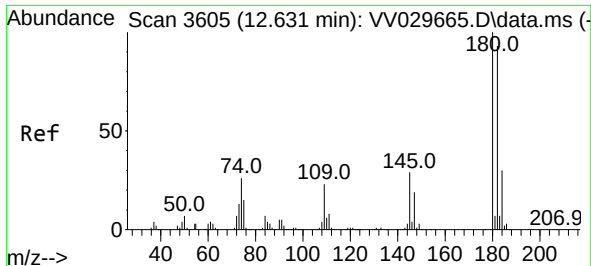
Tgt Ion:146 Resp: 362743
 Ion Ratio Lower Upper
 146 100
 111 40.1 32.0 48.0
 148 63.3 50.6 76.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 46.330 ug/L
 RT: 12.413 min Scan# 3537
 Delta R.T. -0.003 min
 Lab File: VV029686.D
 Acq: 14 Dec 2022 13:05

Tgt Ion: 75 Resp: 54789
 Ion Ratio Lower Upper
 75 100
 155 96.2 76.2 114.2
 157 122.6 96.0 144.0





#69

1,3,5-Trichlorobenzene

Concen: 49.696 ug/L

RT: 12.632 min Scan# 3605

Delta R.T. 0.000 min

Lab File: VV029686.D

Acq: 14 Dec 2022 13:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD050389

Tgt Ion:180 Resp: 279858

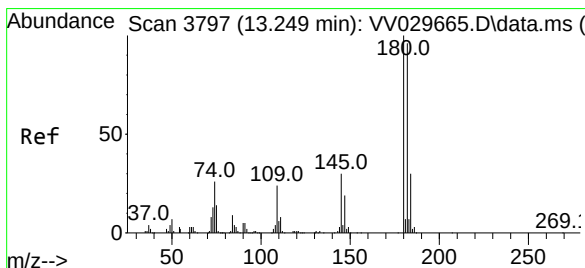
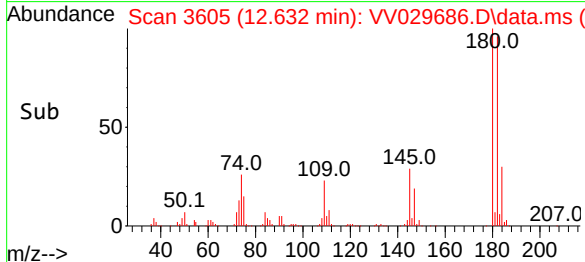
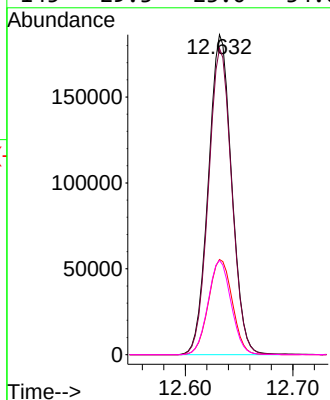
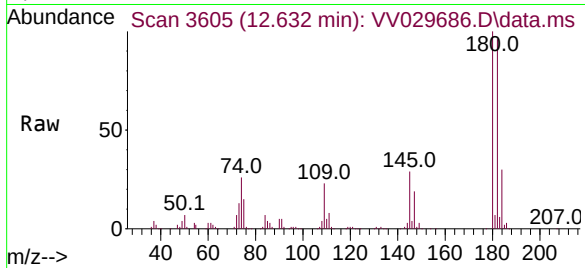
Ion Ratio Lower Upper

180 100

182 96.0 76.5 114.7

184 30.5 24.6 36.8

145 29.3 23.0 34.6



#70

1,2,4-trichlorobenzene

Concen: 51.162 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. 0.000 min

Lab File: VV029686.D

Acq: 14 Dec 2022 13:05

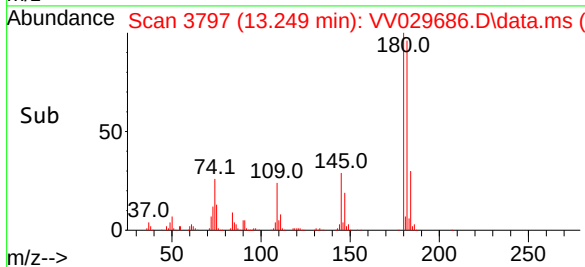
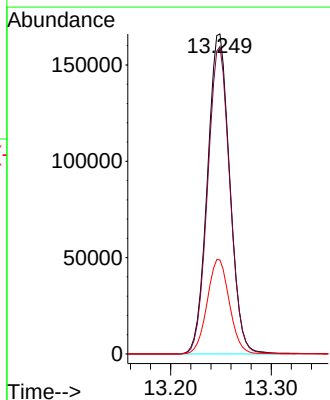
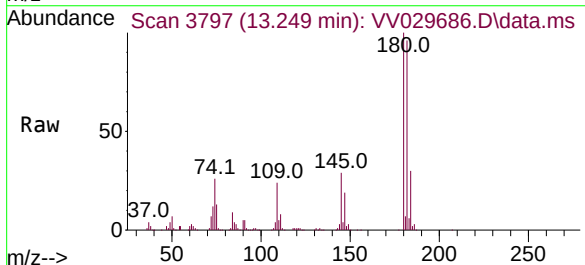
Tgt Ion:180 Resp: 256199

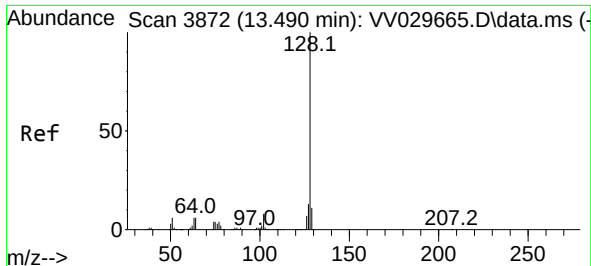
Ion Ratio Lower Upper

180 100

182 95.6 76.3 114.5

145 29.5 23.7 35.5

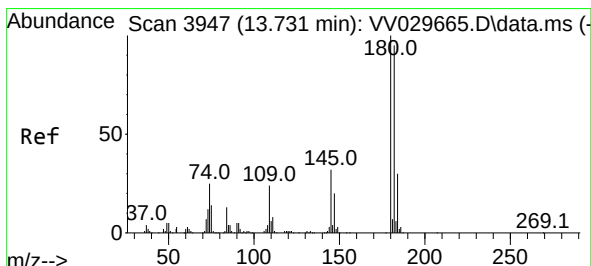
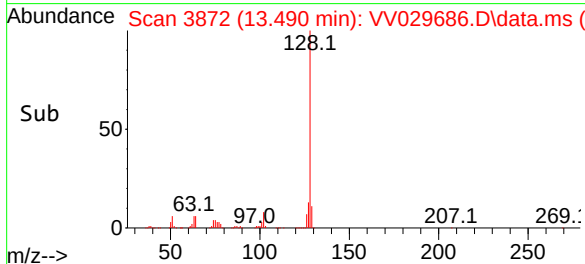
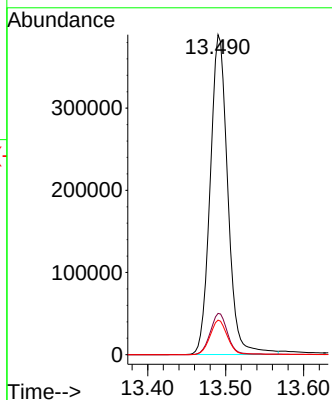
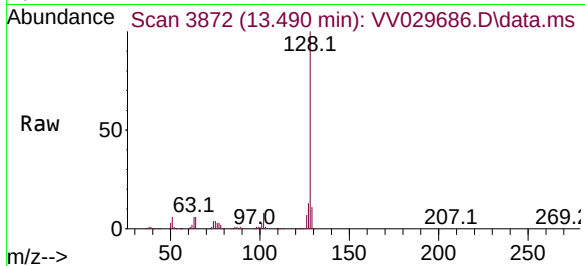




#71
Naphthalene
Concen: 53.844 ug/L
RT: 13.490 min Scan# 3872
Delta R.T. 0.000 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD050389

Tgt Ion:128 Resp: 611596
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.8 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 52.342 ug/L
RT: 13.731 min Scan# 3947
Delta R.T. 0.000 min
Lab File: VV029686.D
Acq: 14 Dec 2022 13:05

Tgt Ion:180 Resp: 256730
Ion Ratio Lower Upper
180 100
182 95.0 76.4 114.6
145 31.7 25.0 37.6

