

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121622\
 Data File : VW029692.D
 Acq On : 16 Dec 2022 12:18
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 16 20:14:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 06 21:48:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	248368	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	216722	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	120946	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	57902	3.788	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.800%
7) Chloroethane-d5	1.564	69	53697	4.799	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.000%
11) 1,1-Dichloroethene-d2	2.104	63	116562	4.766	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.400%
20) 2-Butanone-d5	3.911	46	141591	55.376	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.760%
24) Chloroform-d	4.336	84	130416	4.780	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	5.024	65	56117	4.675	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	5.037	84	260030	4.341	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	6.059	67	79065	4.698	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.307	98	233270	4.126	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.600%
43) trans-1,3-Dichloroprop...	7.612	79	27058	4.170	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.400%
46) 2-Hexanone-d5	8.085	63	136895	59.184	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.360%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	57410	5.528	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.600%
66) 1,2-Dichlorobenzene-d4	11.612	152	88471	4.187	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	94654	5.108	ug/L	100
3) Chloromethane	1.236	50	103738	6.110	ug/L	99
5) Vinyl chloride	1.307	62	101867	6.021	ug/L	100
6) Bromomethane	1.516	94	50788	4.811	ug/L	100
8) Chloroethane	1.580	64	61256	6.092	ug/L	99
9) Trichlorofluoromethane	1.748	101	134356	5.673	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	78348	5.933	ug/L	97
12) 1,1-Dichloroethene	2.111	96	76734	6.009	ug/L	94
13) Acetone	2.211	43	101992	54.860	ug/L	91
14) Carbon disulfide	2.288	76	243006	6.549	ug/L	100
15) Methyl Acetate	2.442	43	27297	5.109	ug/L	97
16) Methylene chloride	2.500	84	99167	5.082	ug/L	99
17) Methyl tert-butyl Ether	2.764	73	174294	5.338	ug/L	98
18) trans-1,2-Dichloroethene	2.751	96	84741	5.782	ug/L	98
19) 1,1-Dichloroethane	3.178	63	148394	5.625	ug/L	97
21) 2-Butanone	3.995	43	154340	53.030	ug/L	100
22) cis-1,2-Dichloroethene	3.899	96	91352	5.449	ug/L	99
23) Bromochloromethane	4.236	128	38311	5.705	ug/L	98
25) Chloroform	4.362	83	149057	5.412	ug/L	99

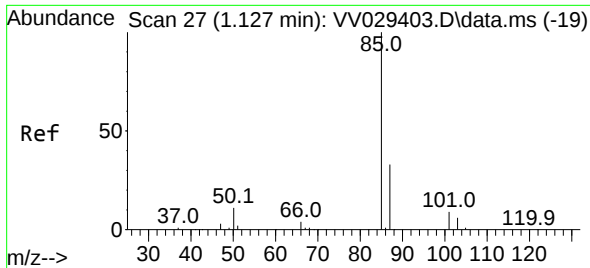
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121622\
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 06 21:48:39 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.120	62	76587	5.132	ug/L	99
29) 1,1,1-Trichloroethane	4.596	97	132711	5.324	ug/L	98
30) Cyclohexane	4.664	56	135926	5.517	ug/L	96
31) Carbon tetrachloride	4.815	117	113780	5.397	ug/L	97
33) Benzene	5.088	78	348796	5.381	ug/L	100
34) Trichloroethene	5.902	95	89338	5.403	ug/L	96
35) Methylcyclohexane	6.120	83	151248	5.419	ug/L	98
37) 1,2-Dichloropropane	6.162	63	84105	5.508	ug/L	99
38) Bromodichloromethane	6.500	83	102420	5.603	ug/L	99
39) cis-1,3-Dichloropropene	7.017	75	107998	4.839	ug/L	98
40) 4-Methyl-2-pentanone	7.223	43	385571	53.964	ug/L	99
42) Toluene	7.378	91	373184	5.364	ug/L	100
44) trans-1,3-Dichloropropene	7.641	75	90418	5.114	ug/L	99
45) 1,1,2-Trichloroethane	7.831	97	56701	5.485	ug/L	97
47) Tetrachloroethene	7.966	164	71634	5.285	ug/L	97
48) 2-Hexanone	8.136	43	277889	55.789	ug/L	99
49) Dibromochloromethane	8.236	129	66405	5.710	ug/L	95
50) 1,2-Dibromoethane	8.342	107	49774	5.518	ug/L	99
51) Chlorobenzene	8.869	112	230000	5.290	ug/L	98
52) Ethylbenzene	9.001	91	381452	5.259	ug/L	100
53) m,p-Xylene	9.127	106	149244	5.217	ug/L	96
54) o-Xylene	9.532	106	144638	5.147	ug/L	98
55) Styrene	9.551	104	253863	5.352	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.230	83	62256	5.820	ug/L	99
59) Bromoform	9.722	173	35111	5.526	ug/L	100
60) Isopropylbenzene	9.921	105	387673	4.958	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	43473	5.183	ug/L	98
62) 1,3,5-Trimethylbenzene	10.529	105	327529	4.838	ug/L	99
63) 1,2,4-Trimethylbenzene	10.902	105	327374	4.807	ug/L	100
64) 1,3-Dichlorobenzene	11.168	146	187503	5.140	ug/L	99
65) 1,4-Dichlorobenzene	11.262	146	187022	5.182	ug/L	99
67) 1,2-Dichlorobenzene	11.631	146	171391	5.099	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.416	75	9174	5.569	ug/L	94
69) 1,3,5-Trichlorobenzene	12.631	180	152990	5.090	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	125204	5.141	ug/L	99
71) Naphthalene	13.490	128	165357	7.843	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	103880	5.239	ug/L	99

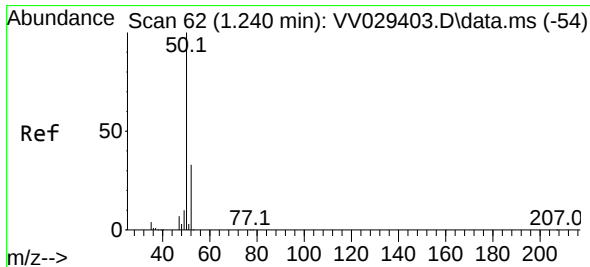
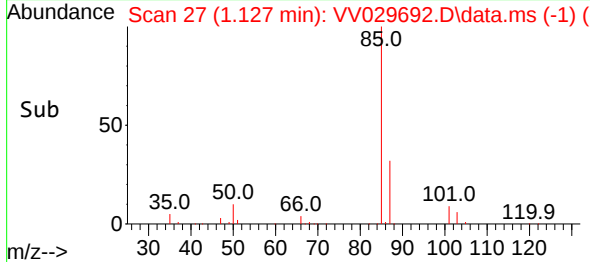
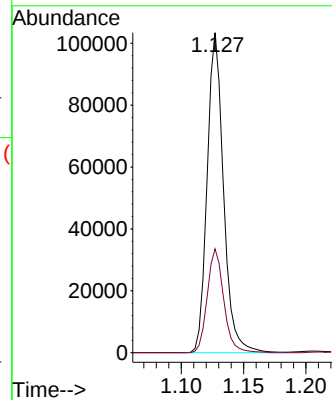
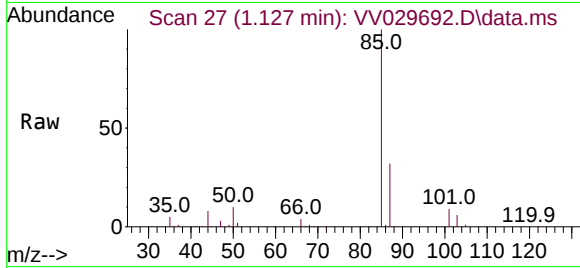
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.108 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029692.D
 Acq: 16 Dec 2022 12:18

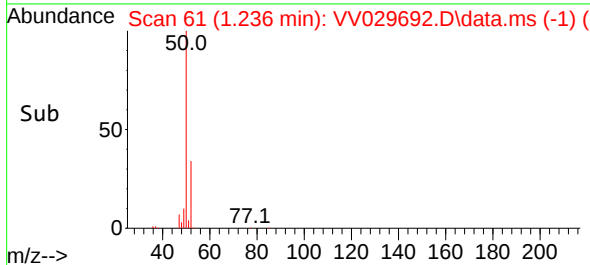
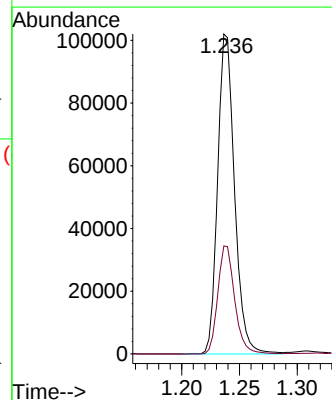
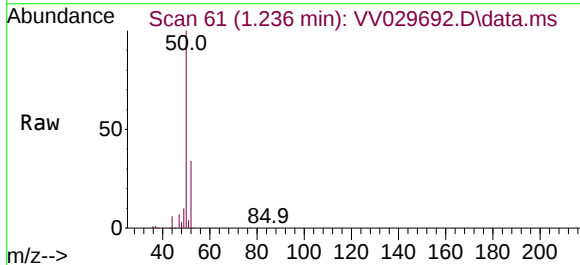
Instrument :
 MSVOA_V
 ClientSampleId :

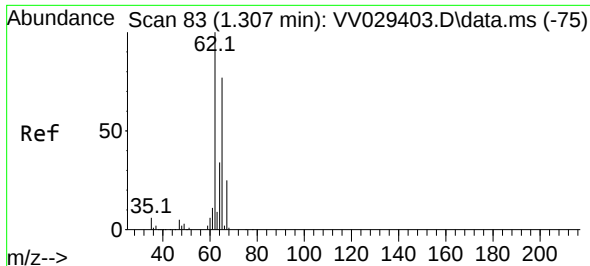
Tgt Ion: 85 Resp: 94654
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.2 39.4



#3
 Chloromethane
 Concen: 6.110 ug/L
 RT: 1.236 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VV029692.D
 Acq: 16 Dec 2022 12:18

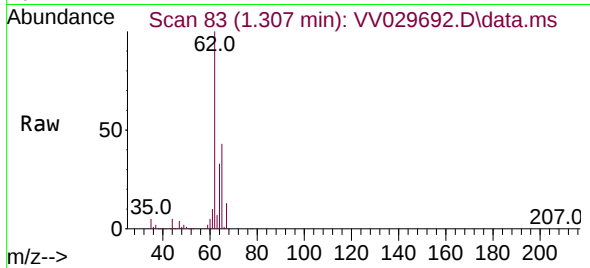
Tgt Ion: 50 Resp: 103738
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.2 43.2



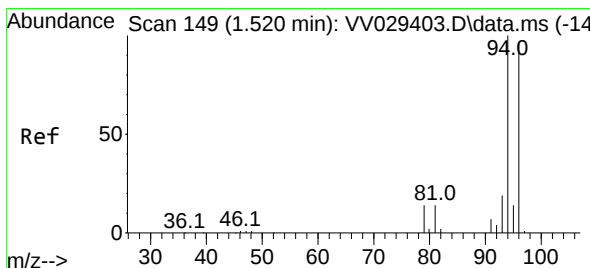
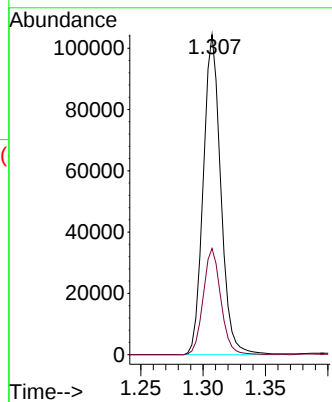
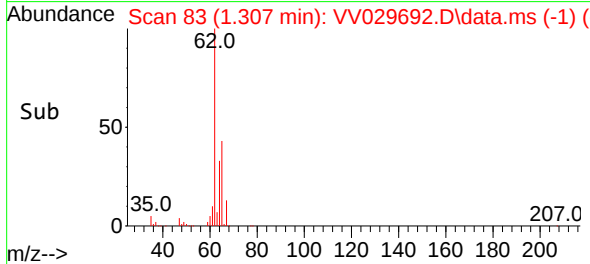


#5
 Vinyl chloride
 Concen: 6.021 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VV029692.D
 Acq: 16 Dec 2022 12:18

Instrument :
 MSVOA_V
 ClientSampleId :

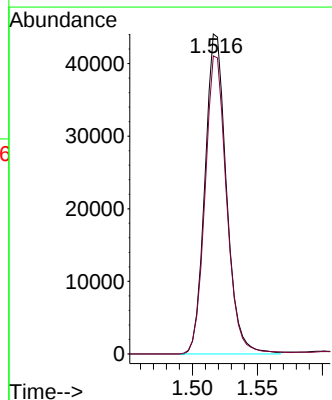
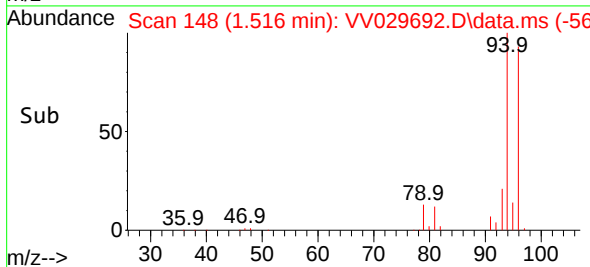
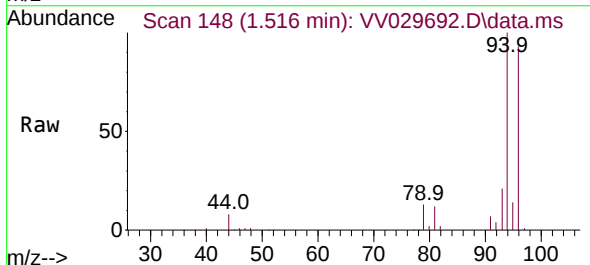


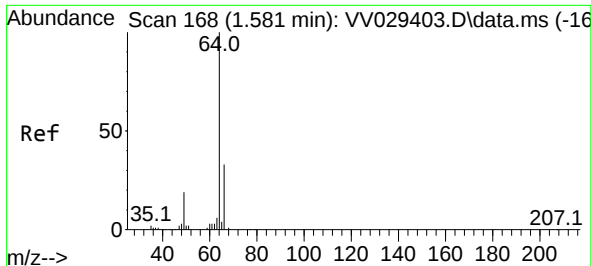
Tgt Ion: 62 Resp: 101867
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.4 43.4



#6
 Bromomethane
 Concen: 4.811 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. -0.003 min
 Lab File: VV029692.D
 Acq: 16 Dec 2022 12:18

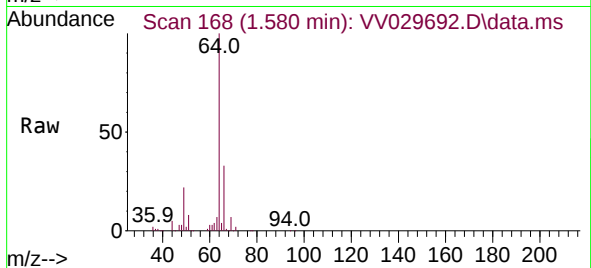
Tgt Ion: 94 Resp: 50788
 Ion Ratio Lower Upper
 94 100
 96 93.1 65.4 121.4



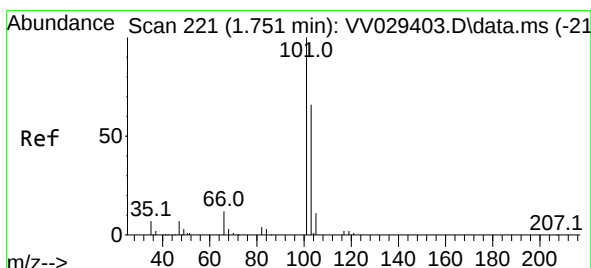
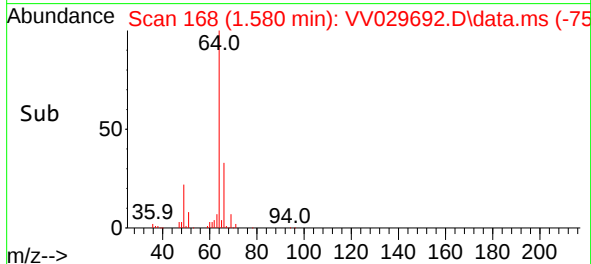
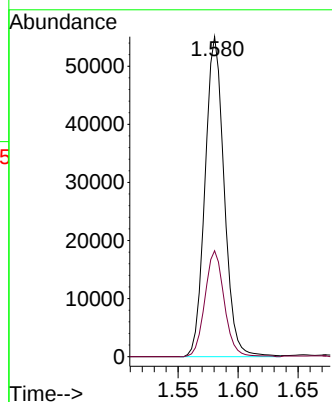


#8
Chloroethane
Concen: 6.092 ug/L
RT: 1.580 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

Instrument :
MSVOA_V
ClientSampleId :

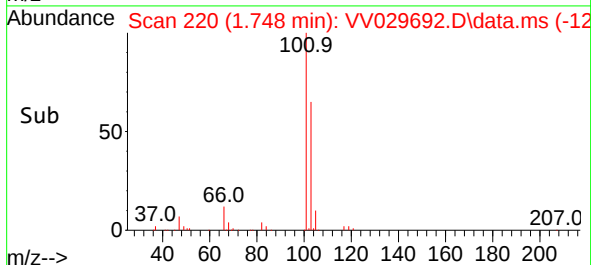
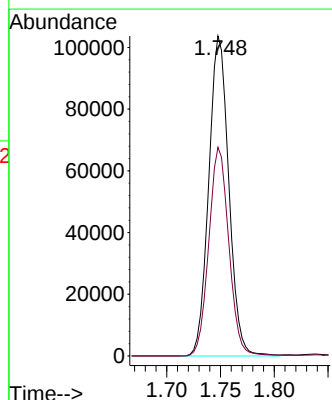
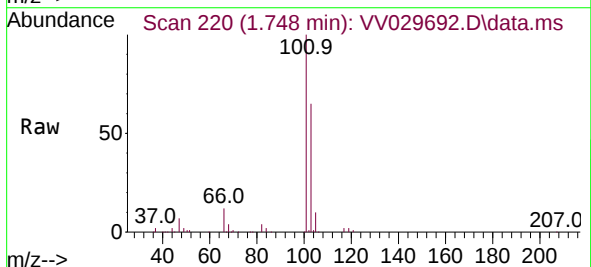


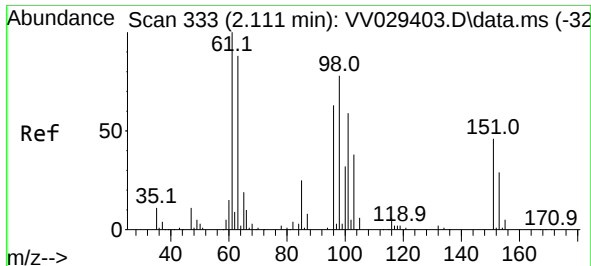
Tgt Ion: 64 Resp: 61256
Ion Ratio Lower Upper
64 100
66 33.1 23.5 43.7



#9
Trichlorofluoromethane
Concen: 5.673 ug/L
RT: 1.748 min Scan# 220
Delta R.T. -0.003 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

Tgt Ion:101 Resp: 134356
Ion Ratio Lower Upper
101 100
103 65.2 51.8 77.8

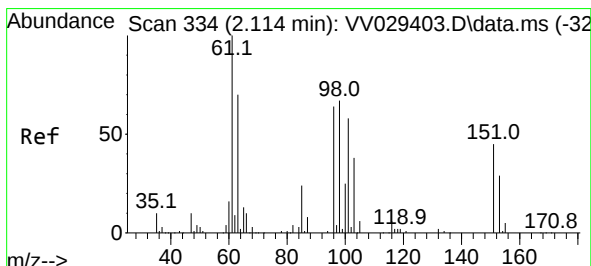
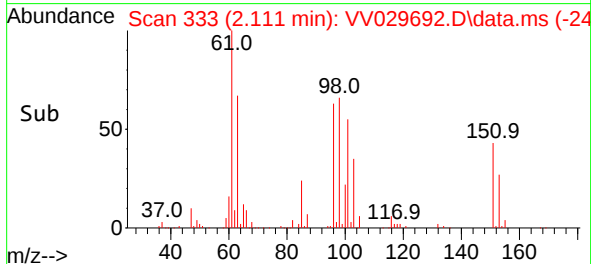
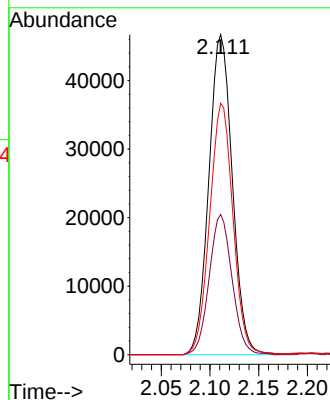
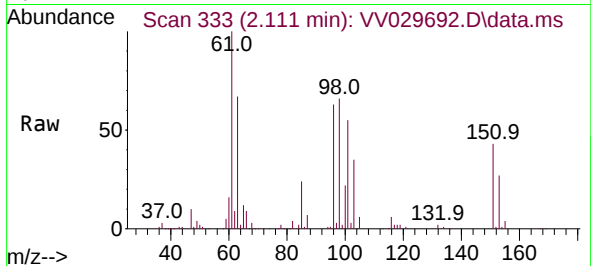




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.933 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. -0.000 min
 Lab File: VV029692.D
 Acq: 16 Dec 2022 12:18

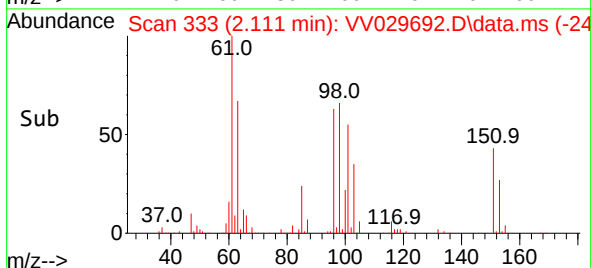
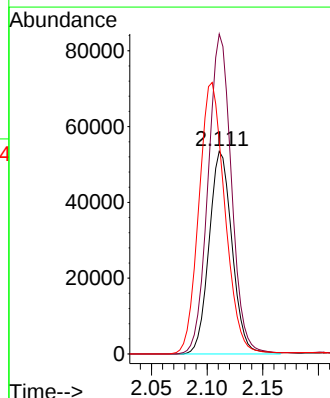
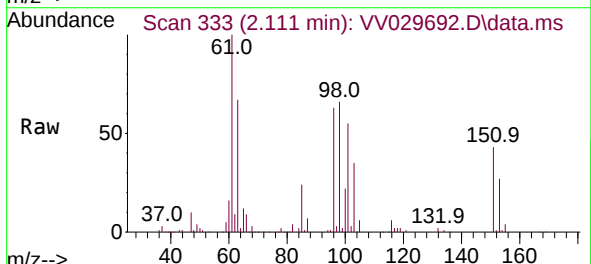
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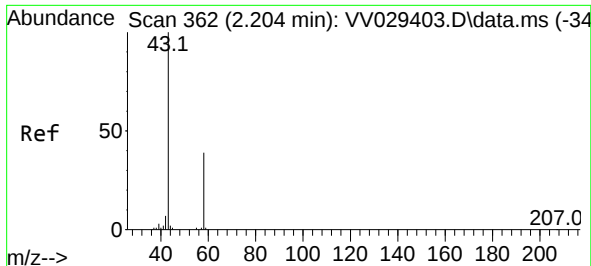
Tgt Ion:101 Resp: 78348
 Ion Ratio Lower Upper
 101 100
 85 42.7 33.6 50.4
 151 78.0 65.3 97.9



#12
 1,1-Dichloroethene
 Concen: 6.009 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. -0.003 min
 Lab File: VV029692.D
 Acq: 16 Dec 2022 12:18

Tgt Ion: 96 Resp: 76734
 Ion Ratio Lower Upper
 96 100
 61 157.9 110.3 204.9
 63 105.3 84.4 156.8





#13

Acetone

Concen: 54.860 ug/L

RT: 2.211 min Scan# 3

Delta R.T. 0.006 min

Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

Instrument :

MSVOA_V

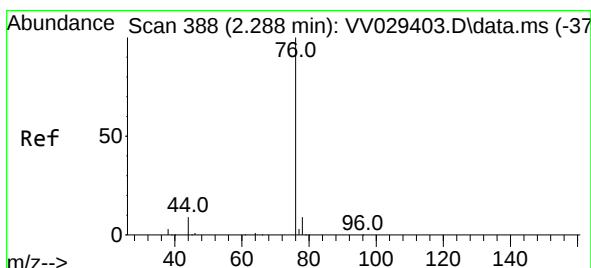
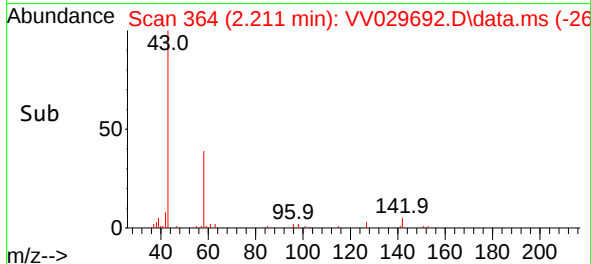
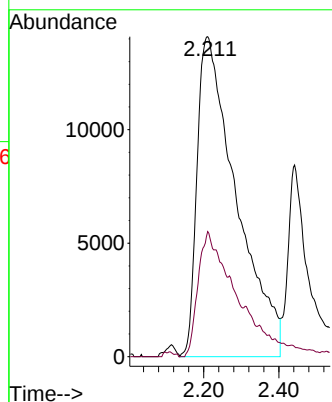
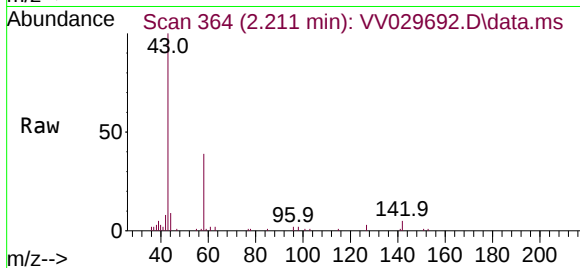
ClientSampleId :

Tgt Ion: 43 Resp: 101992

Ion Ratio Lower Upper

43 100

58 30.3 0.0 70.8



#14

Carbon disulfide

Concen: 6.549 ug/L

RT: 2.288 min Scan# 388

Delta R.T. -0.000 min

Lab File: VV029692.D

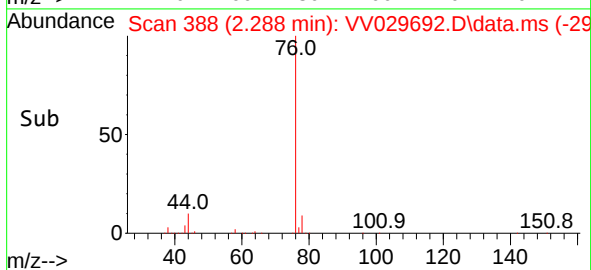
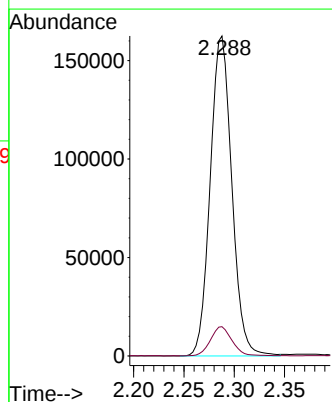
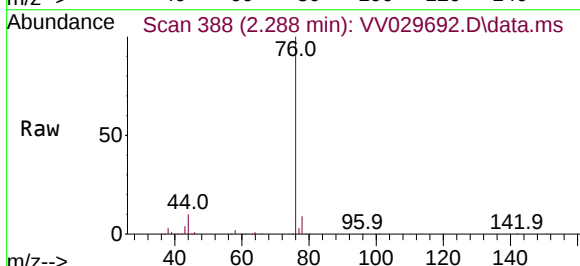
Acq: 16 Dec 2022 12:18

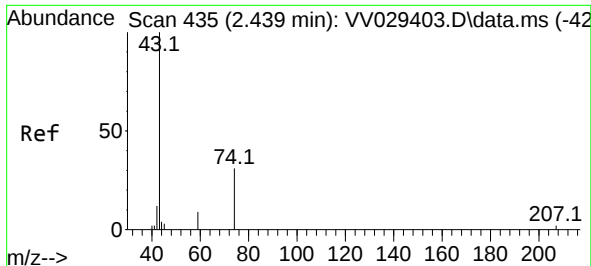
Tgt Ion: 76 Resp: 243006

Ion Ratio Lower Upper

76 100

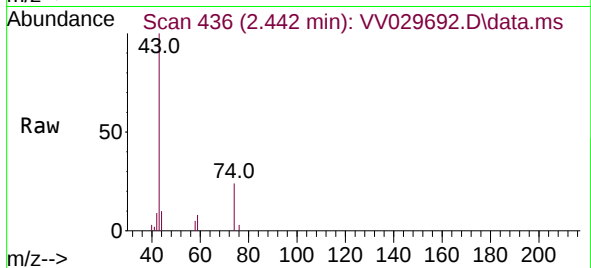
78 9.1 7.4 11.2



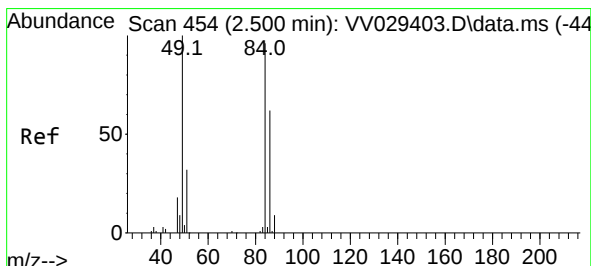
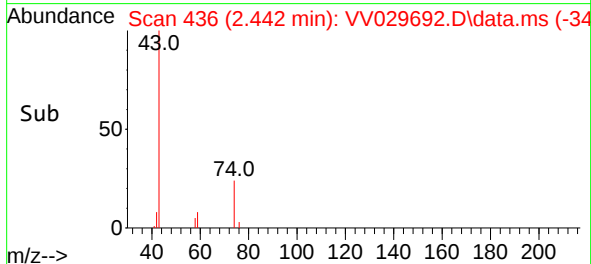
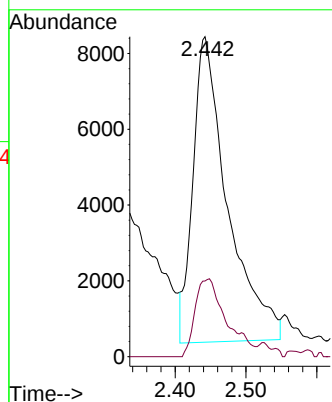


#15
Methyl Acetate
Concen: 5.109 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

Instrument :
MSVOA_V
ClientSampleId :

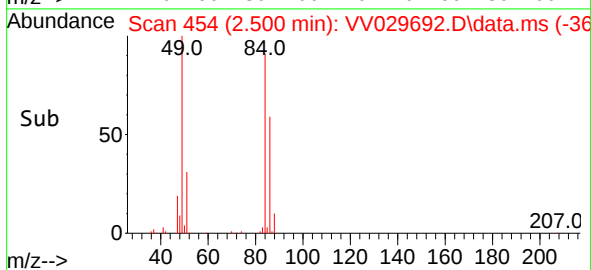
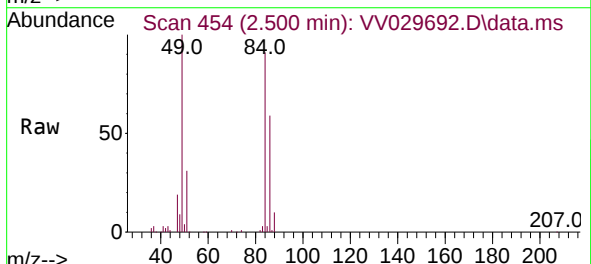
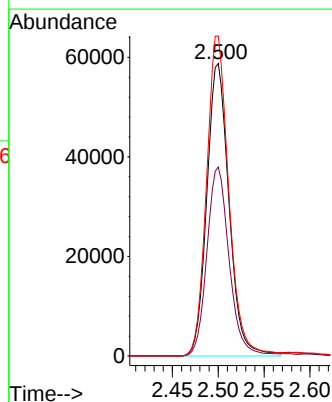


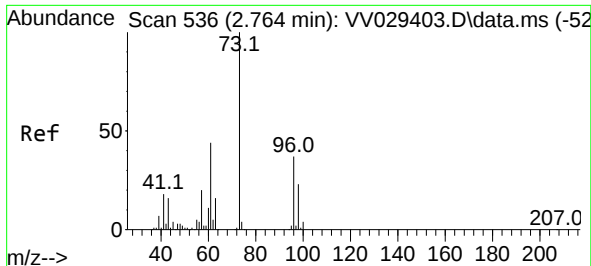
Tgt Ion: 43 Resp: 27297
Ion Ratio Lower Upper
43 100
74 23.1 19.6 29.4



#16
Methylene chloride
Concen: 5.082 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.000 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

Tgt Ion: 84 Resp: 99167
Ion Ratio Lower Upper
84 100
86 64.6 45.6 84.6
49 109.4 77.8 144.4

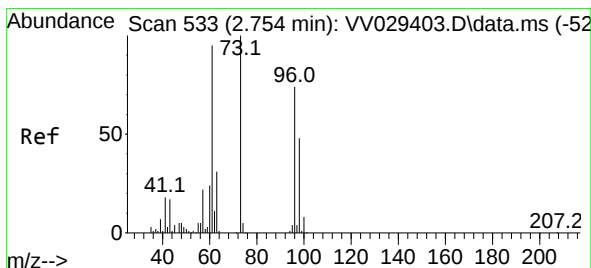
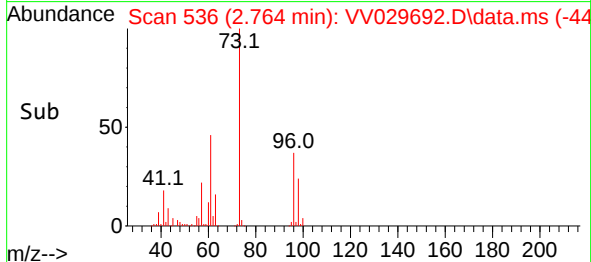
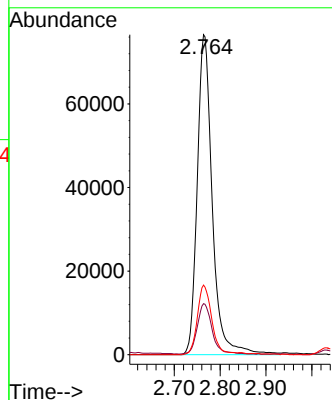
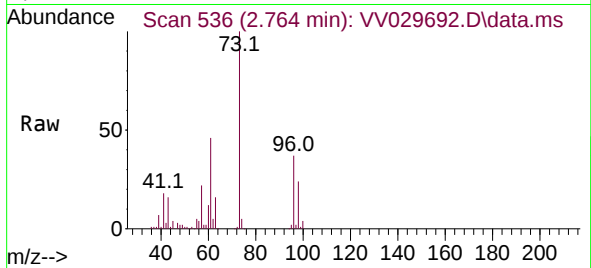




#17
Methyl tert-butyl Ether
Concen: 5.338 ug/L
RT: 2.764 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

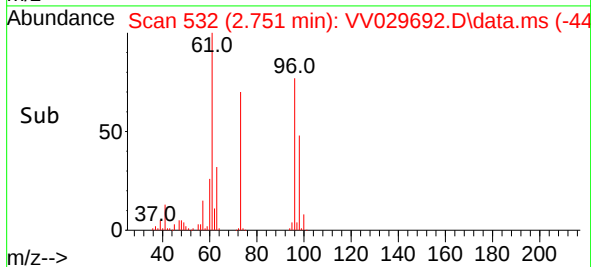
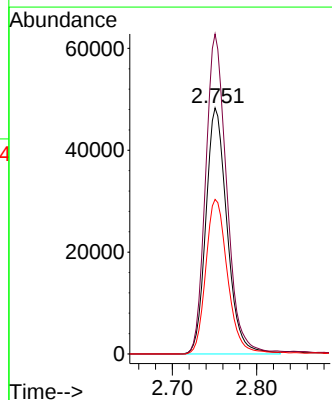
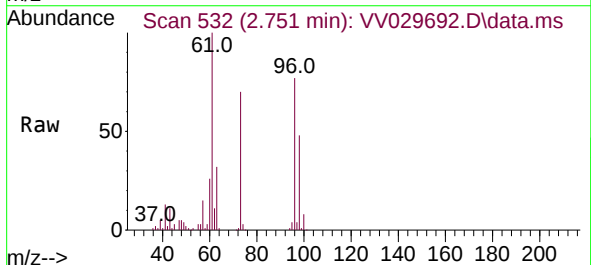
Instrument :
MSVOA_V
ClientSampleId :

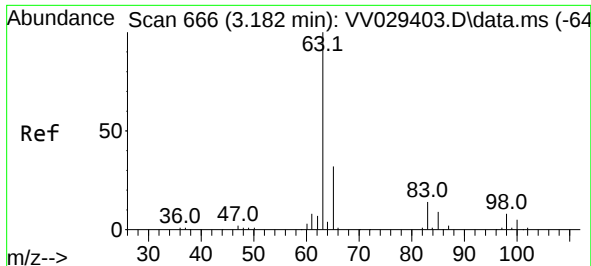
Tgt Ion: 73 Resp: 174294
Ion Ratio Lower Upper
73 100
43 15.3 13.2 19.8
57 20.8 16.9 25.3



#18
trans-1,2-Dichloroethene
Concen: 5.782 ug/L
RT: 2.751 min Scan# 532
Delta R.T. -0.003 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

Tgt Ion: 96 Resp: 84741
Ion Ratio Lower Upper
96 100
61 130.0 93.0 172.6
98 62.8 44.0 81.8





#19

1,1-Dichloroethane

Concen: 5.625 ug/L

RT: 3.178 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

Instrument :

MSVOA_V

ClientSampleId :

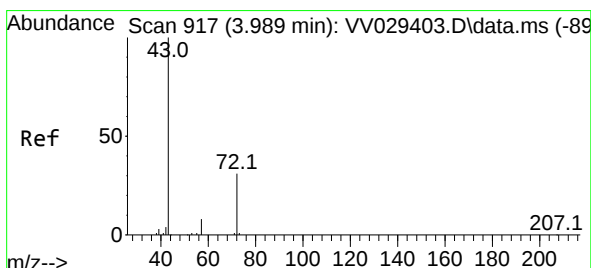
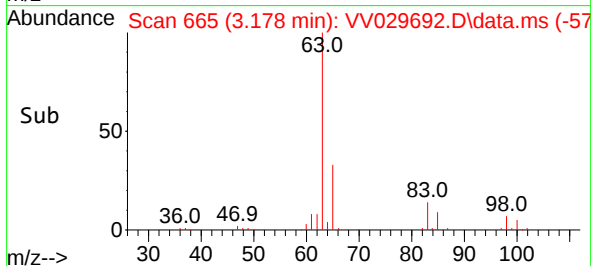
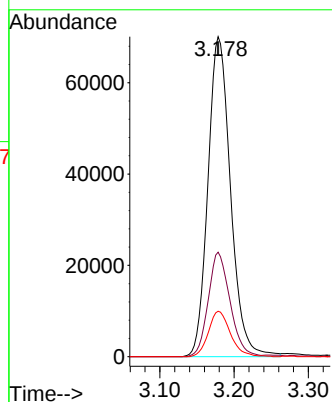
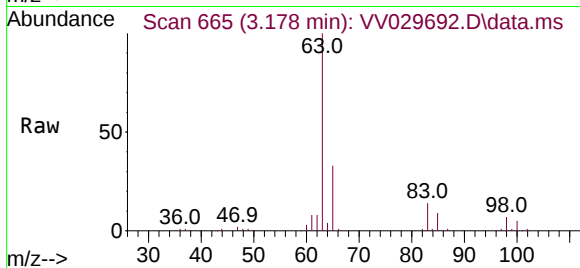
Tgt Ion: 63 Resp: 148394

Ion Ratio Lower Upper

63 100

65 32.6 21.6 40.2

83 14.2 10.3 19.1



#21

2-Butanone

Concen: 53.030 ug/L

RT: 3.995 min Scan# 919

Delta R.T. 0.006 min

Lab File: VV029692.D

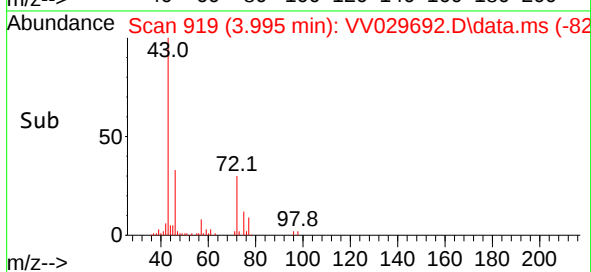
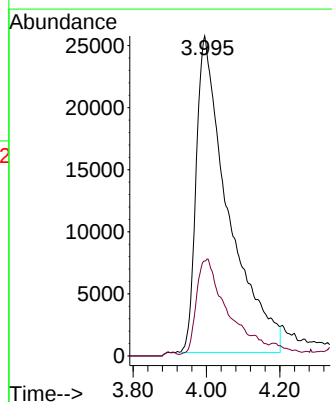
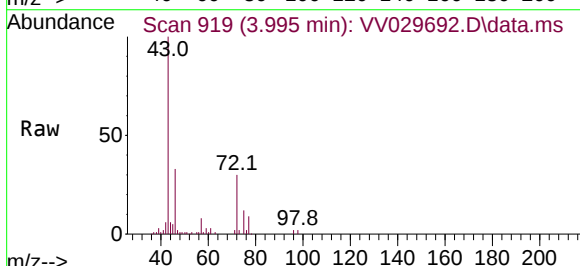
Acq: 16 Dec 2022 12:18

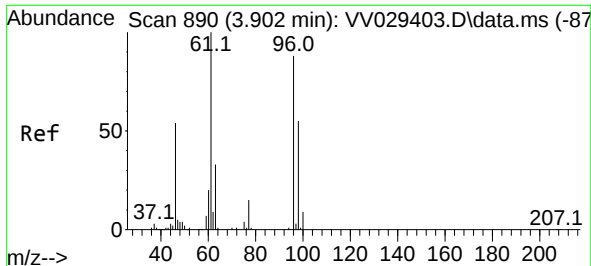
Tgt Ion: 43 Resp: 154340

Ion Ratio Lower Upper

43 100

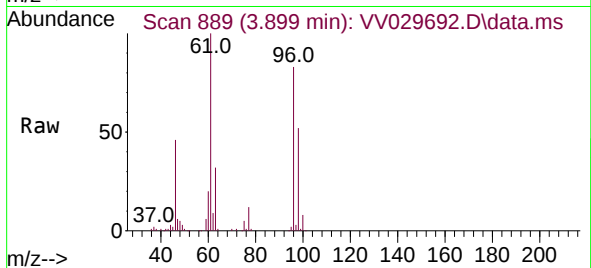
72 27.2 13.8 41.3





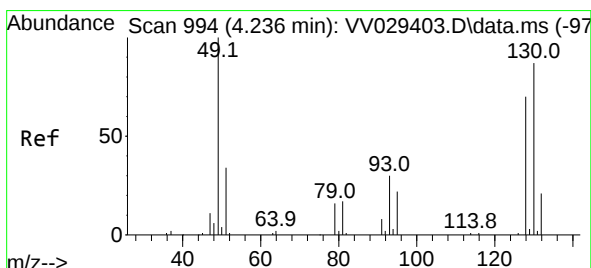
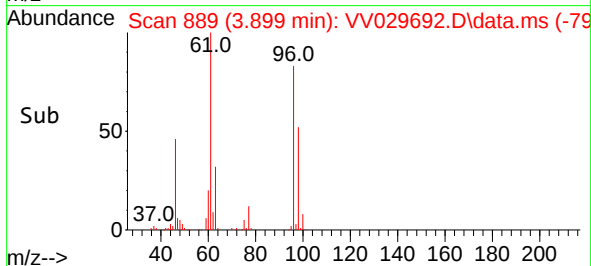
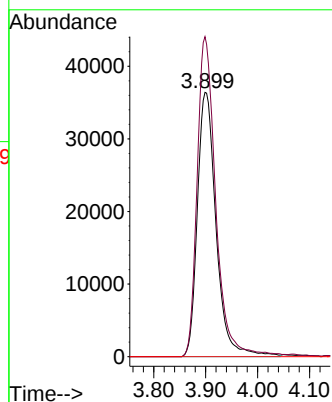
#22
 cis-1,2-Dichloroethene
 Concen: 5.449 ug/L
 RT: 3.899 min Scan# 890
 Delta R.T. -0.003 min
 Lab File: VV029692.D
 Acq: 16 Dec 2022 12:18

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 91352

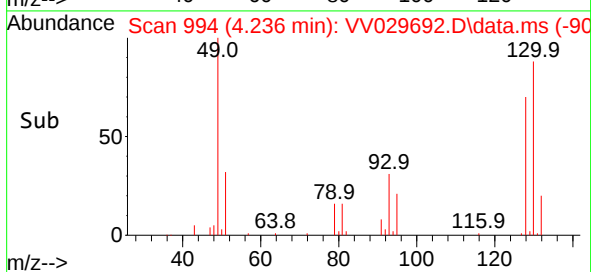
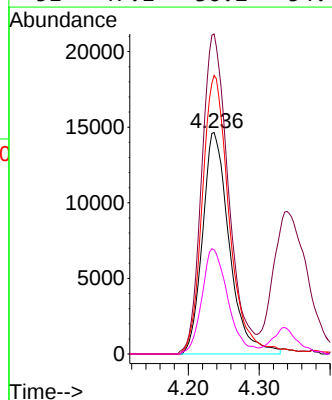
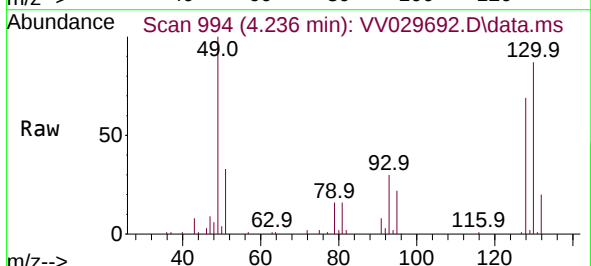
Ion	Ratio	Lower	Upper
96	100		
61	121.1	85.8	159.3
68	0.0	0.0	0.0

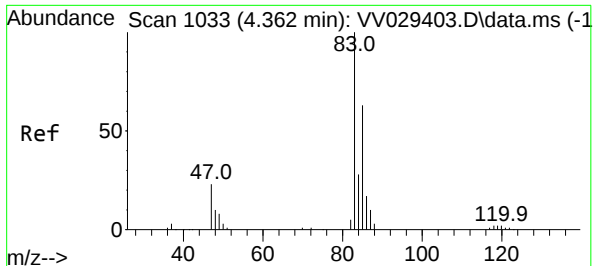


#23
 Bromochloromethane
 Concen: 5.705 ug/L
 RT: 4.236 min Scan# 994
 Delta R.T. -0.000 min
 Lab File: VV029692.D
 Acq: 16 Dec 2022 12:18

Tgt Ion: 128 Resp: 38311

Ion	Ratio	Lower	Upper
128	100		
49	144.5	100.0	185.8
130	125.8	90.2	167.6
51	47.1	36.2	54.4





#25

Chloroform

Concen: 5.412 ug/L

RT: 4.362 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

Instrument :

MSVOA_V

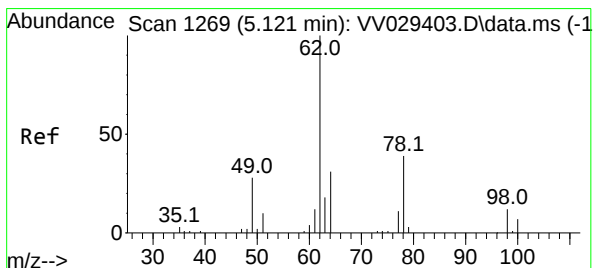
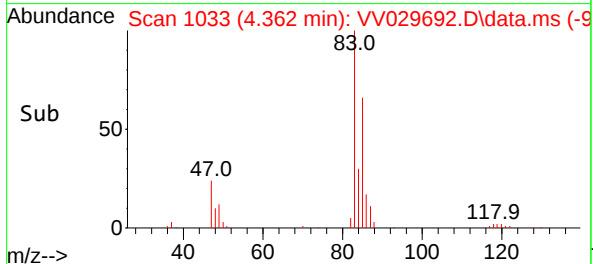
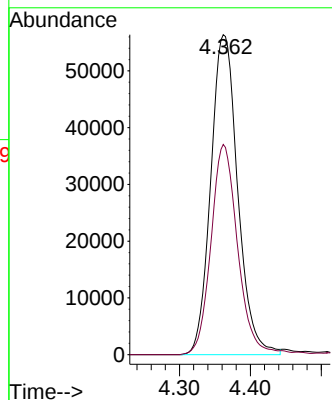
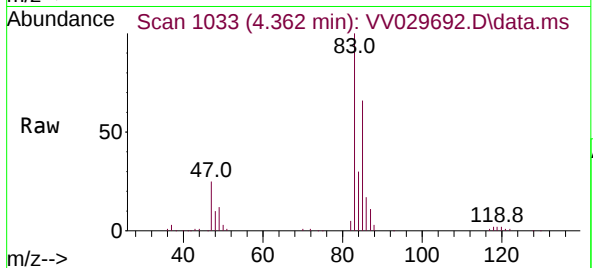
ClientSampleId :

Tgt Ion: 83 Resp: 149057

Ion Ratio Lower Upper

83 100

85 65.7 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.132 ug/L

RT: 5.120 min Scan# 1269

Delta R.T. -0.000 min

Lab File: VV029692.D

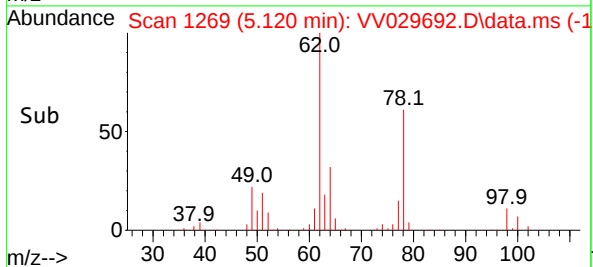
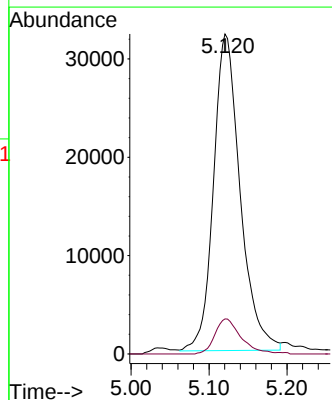
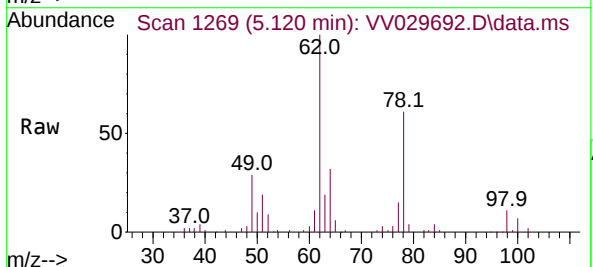
Acq: 16 Dec 2022 12:18

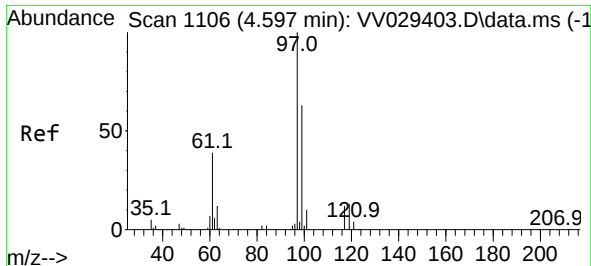
Tgt Ion: 62 Resp: 76587

Ion Ratio Lower Upper

62 100

98 11.0 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 5.324 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. -0.000 min

Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

Instrument :

MSVOA_V

ClientSampleId :

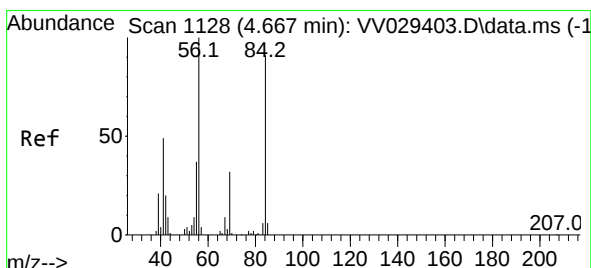
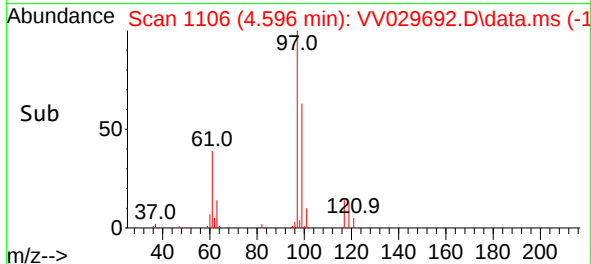
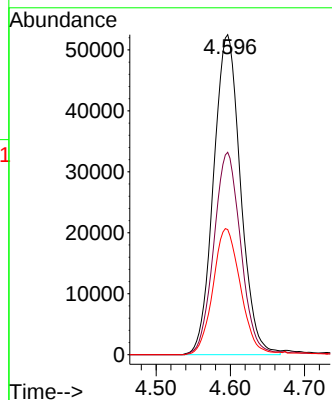
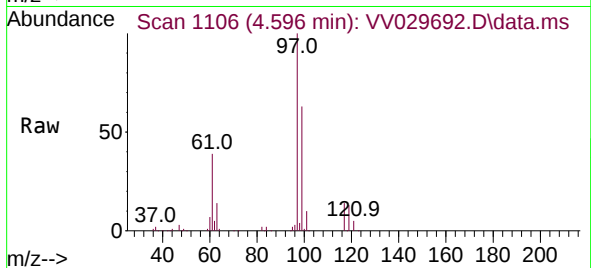
Tgt Ion: 97 Resp: 132711

Ion Ratio Lower Upper

97 100

99 63.0 51.2 76.8

61 40.2 33.3 49.9



#30

Cyclohexane

Concen: 5.517 ug/L

RT: 4.664 min Scan# 1127

Delta R.T. -0.003 min

Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

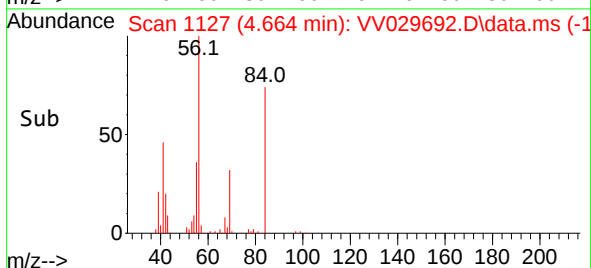
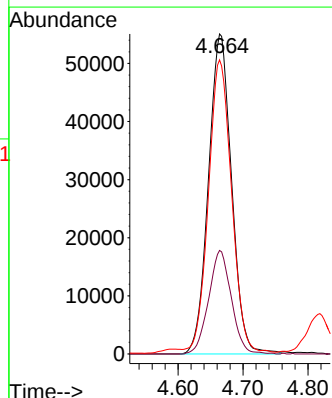
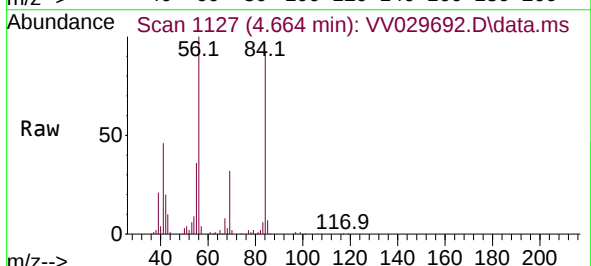
Tgt Ion: 56 Resp: 135926

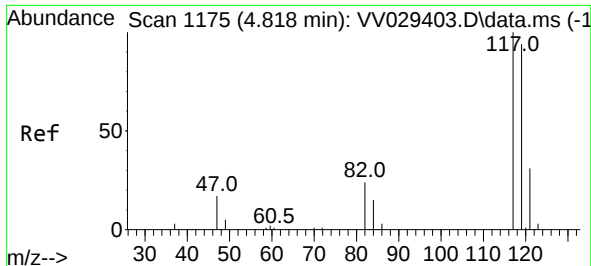
Ion Ratio Lower Upper

56 100

69 31.7 26.1 39.1

84 90.3 75.6 113.4

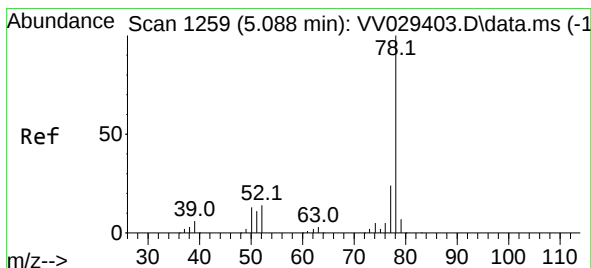
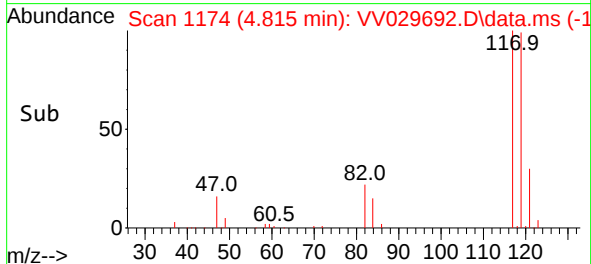
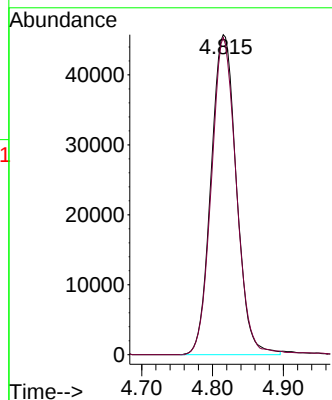
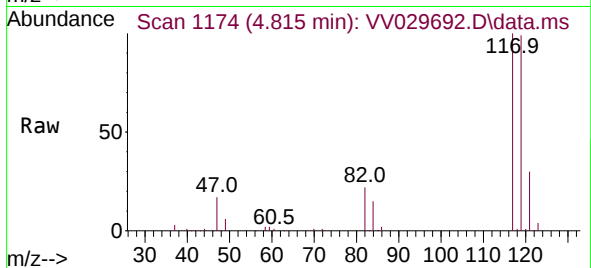




#31
Carbon tetrachloride
Concen: 5.397 ug/L
RT: 4.815 min Scan# 1175
Delta R.T. -0.003 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

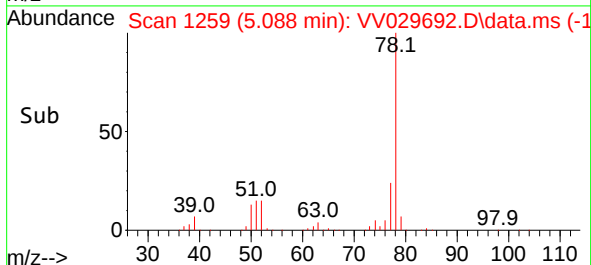
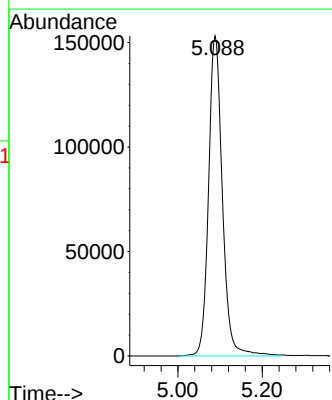
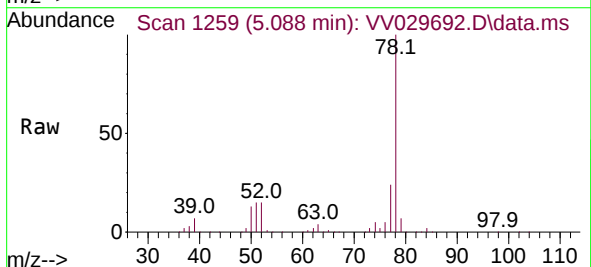
Instrument :
MSVOA_V
ClientSampleId :

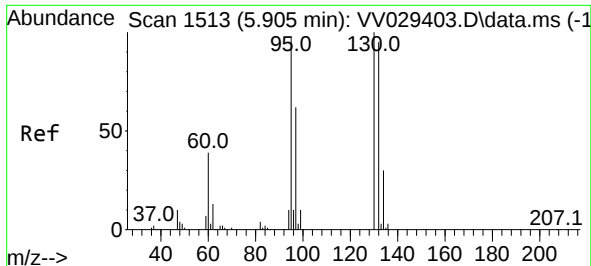
Tgt Ion:117 Resp: 113780
Ion Ratio Lower Upper
117 100
119 97.5 75.7 113.5



#33
Benzene
Concen: 5.381 ug/L
RT: 5.088 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

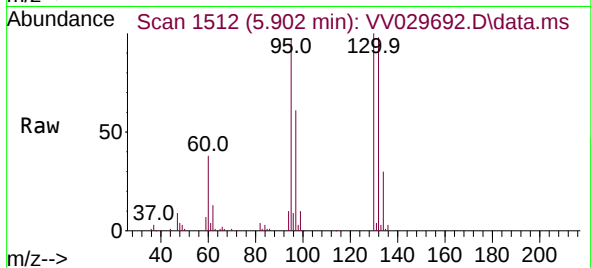
Tgt Ion: 78 Resp: 348796



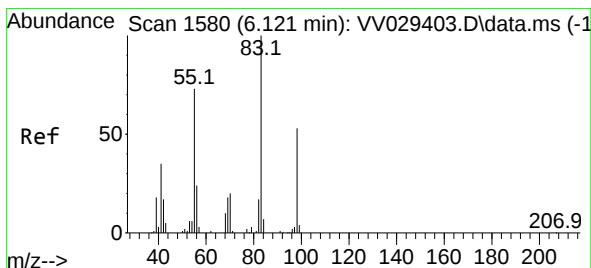
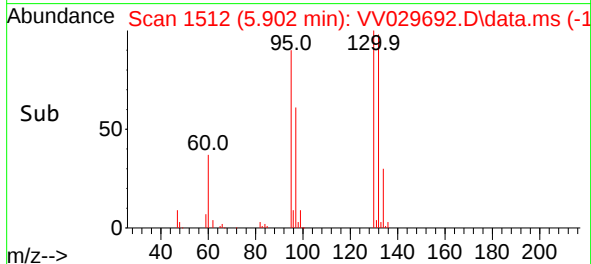
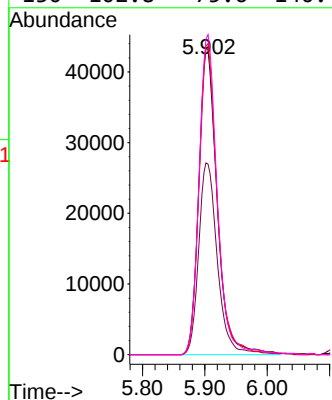


#34
 Trichloroethene
 Concen: 5.403 ug/L
 RT: 5.902 min Scan# 1512
 Delta R.T. -0.003 min
 Lab File: VV029692.D
 Acq: 16 Dec 2022 12:18

Instrument :
 MSVOA_V
 ClientSampleId :

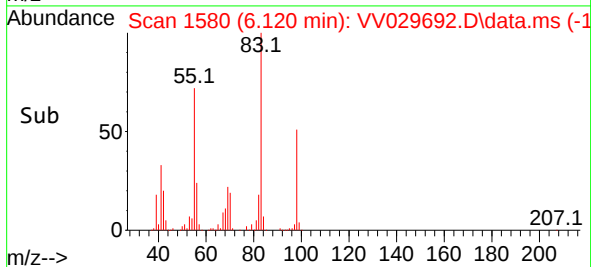
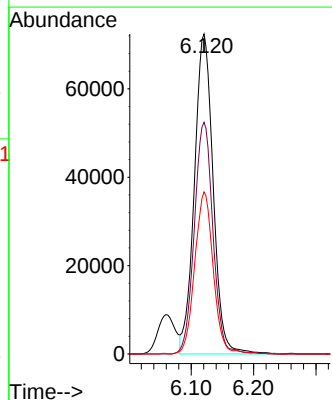
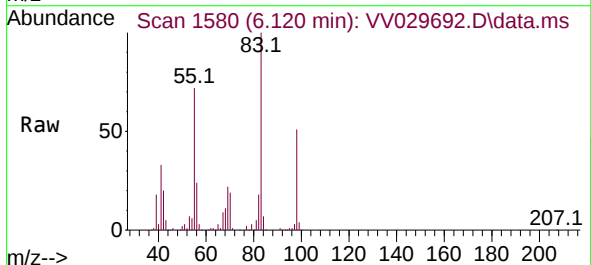


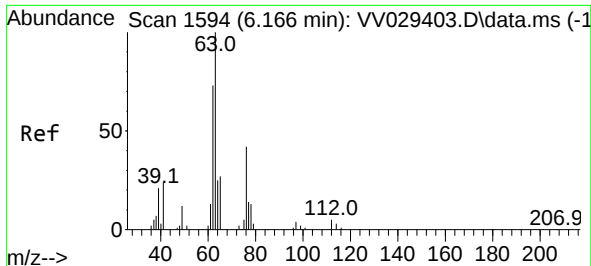
Tgt Ion:	95	Resp:	89338
Ion	Ratio	Lower	Upper
95	100		
97	62.6	45.4	84.4
132	100.6	73.3	136.1
130	102.8	75.6	140.4



#35
 Methylcyclohexane
 Concen: 5.419 ug/L
 RT: 6.120 min Scan# 1580
 Delta R.T. -0.000 min
 Lab File: VV029692.D
 Acq: 16 Dec 2022 12:18

Tgt Ion:	83	Resp:	151248
Ion	Ratio	Lower	Upper
83	100		
55	71.7	55.4	83.2
98	50.0	39.4	59.2





#37

1,2-Dichloropropane

Concen: 5.508 ug/L

RT: 6.162 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

Instrument :

MSVOA_V

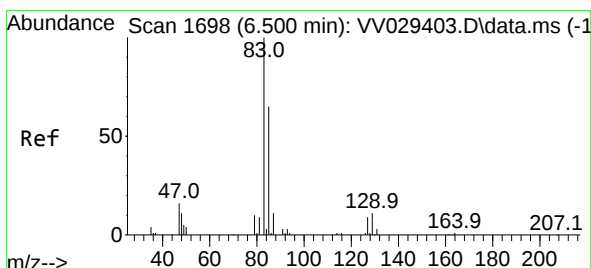
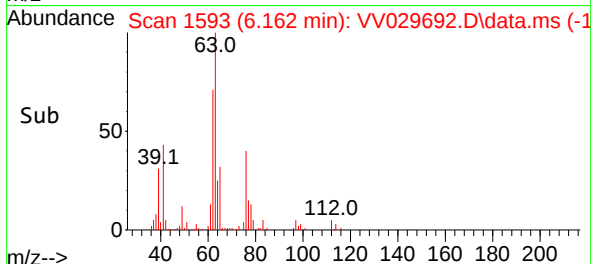
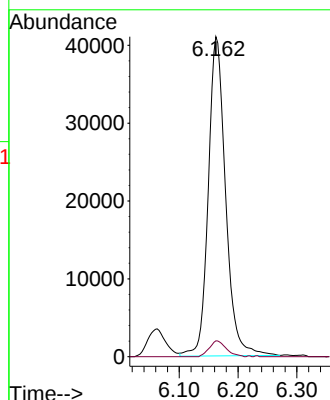
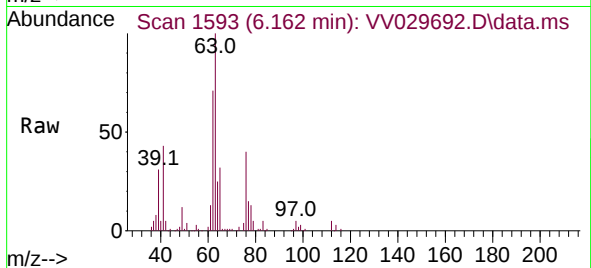
ClientSampleId :

Tgt Ion: 63 Resp: 84105

Ion Ratio Lower Upper

63 100

112 4.8 4.1 6.1



#38

Bromodichloromethane

Concen: 5.603 ug/L

RT: 6.500 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

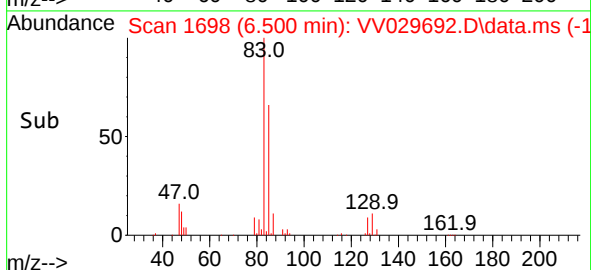
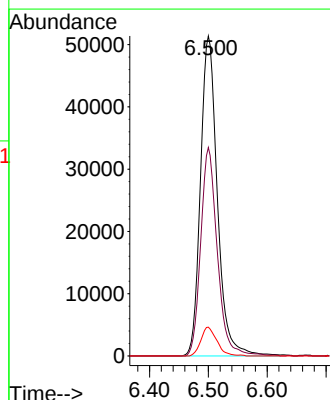
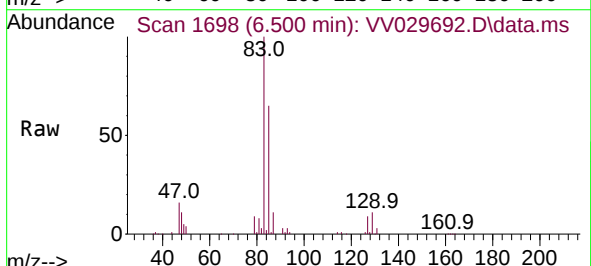
Tgt Ion: 83 Resp: 102420

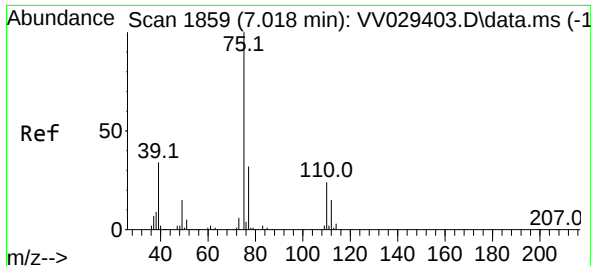
Ion Ratio Lower Upper

83 100

85 65.1 44.7 83.1

127 9.0 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 4.839 ug/L

RT: 7.017 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

Instrument :

MSVOA_V

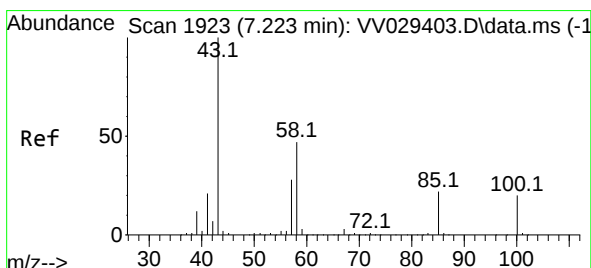
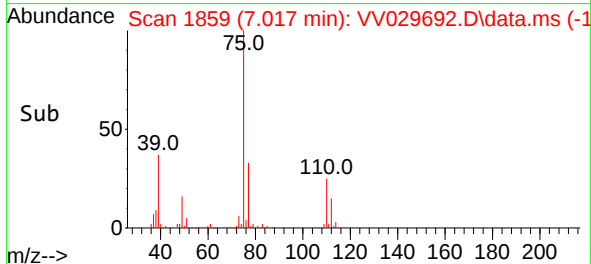
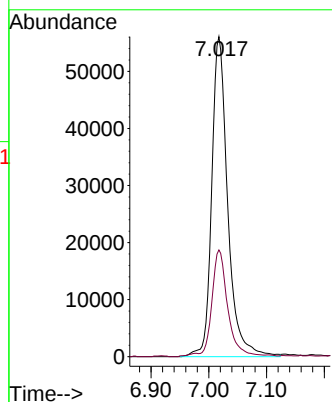
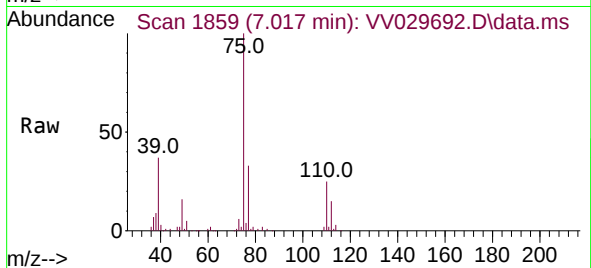
ClientSampleId :

Tgt Ion: 75 Resp: 107998

Ion Ratio Lower Upper

75 100

77 33.3 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 53.964 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.000 min

Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

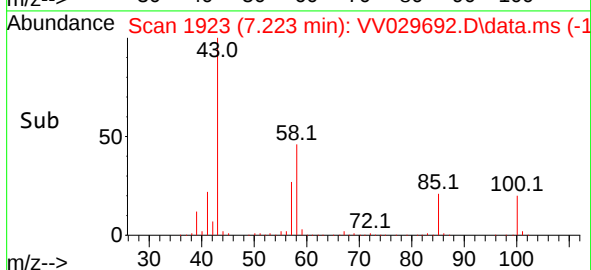
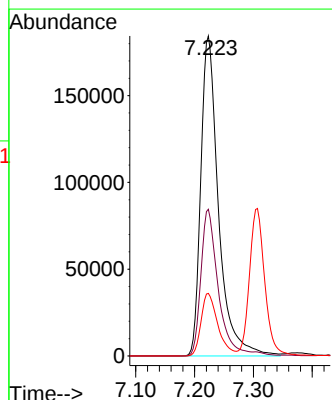
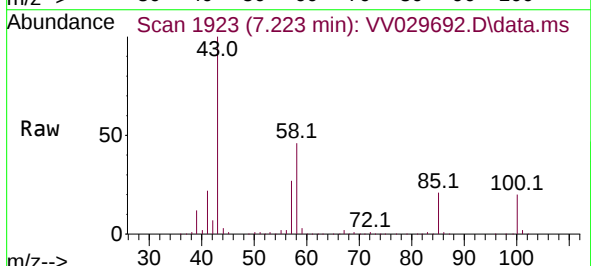
Tgt Ion: 43 Resp: 385571

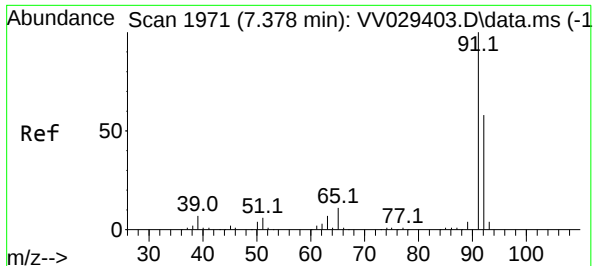
Ion Ratio Lower Upper

43 100

58 44.2 35.3 52.9

100 18.6 15.3 22.9





#42

Toluene

Concen: 5.364 ug/L

RT: 7.378 min Scan# 1971

Delta R.T. -0.000 min

Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

Instrument :

MSVOA_V

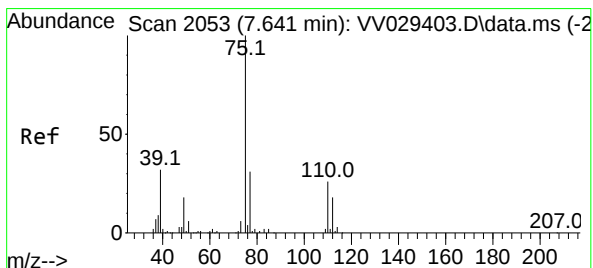
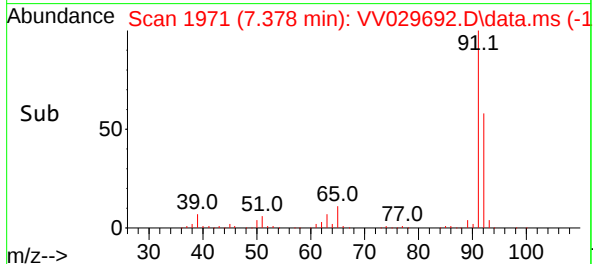
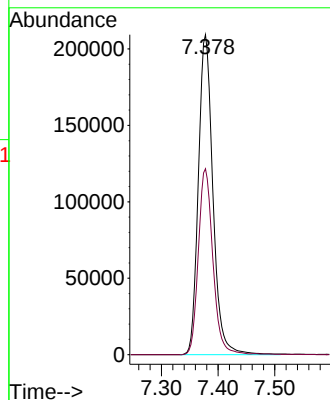
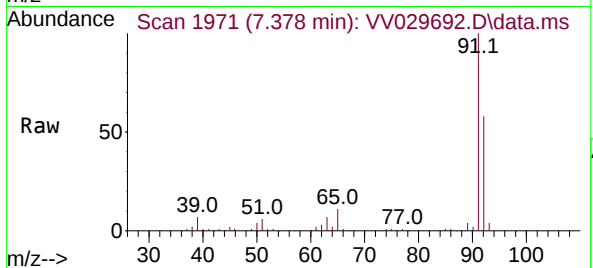
ClientSampleId :

Tgt Ion: 91 Resp: 373184

Ion Ratio Lower Upper

91 100

92 58.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.114 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. -0.000 min

Lab File: VV029692.D

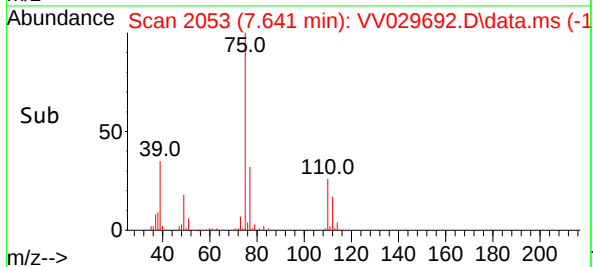
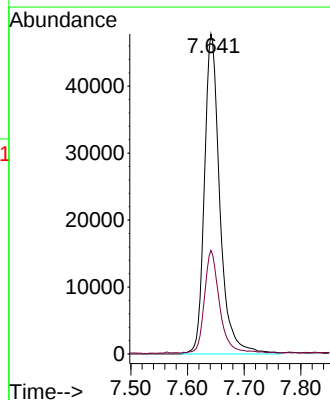
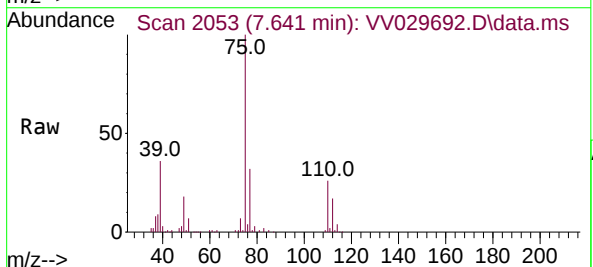
Acq: 16 Dec 2022 12:18

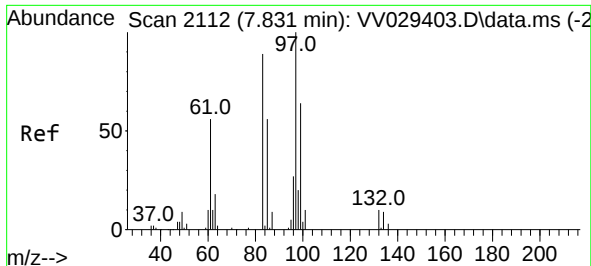
Tgt Ion: 75 Resp: 90418

Ion Ratio Lower Upper

75 100

77 32.4 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 5.485 ug/L

RT: 7.831 min Scan# 2112

Delta R.T. -0.000 min

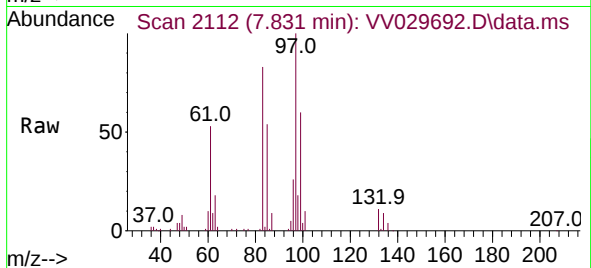
Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 97 Resp: 56701

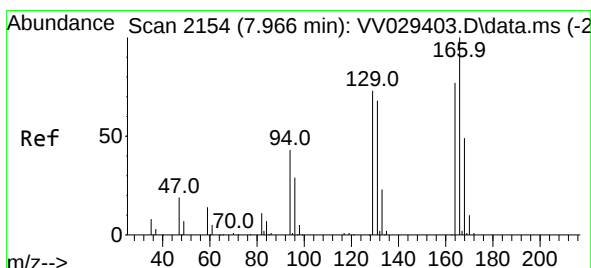
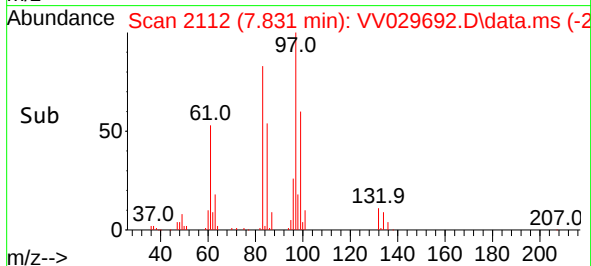
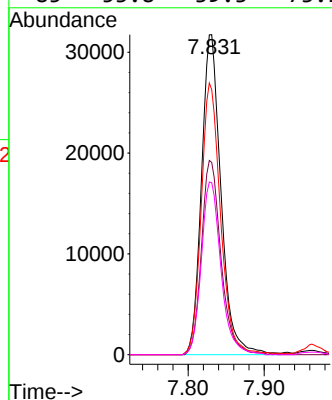
Ion Ratio Lower Upper

97 100

99 60.1 44.4 82.5

83 82.9 59.5 110.5

85 53.8 39.3 73.1



#47

Tetrachloroethene

Concen: 5.285 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. -0.000 min

Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

Tgt Ion: 164 Resp: 71634

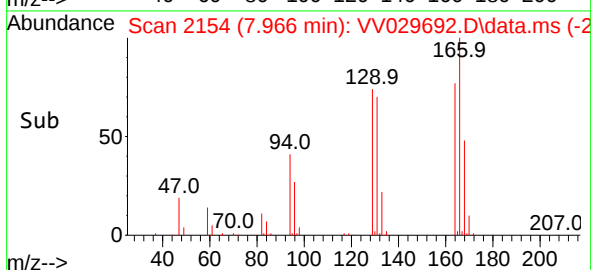
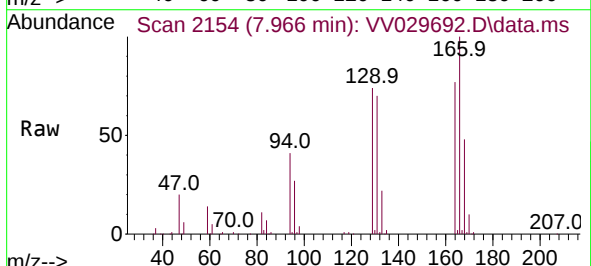
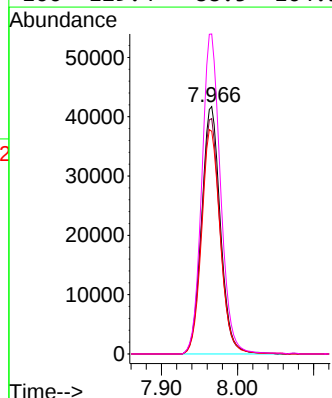
Ion Ratio Lower Upper

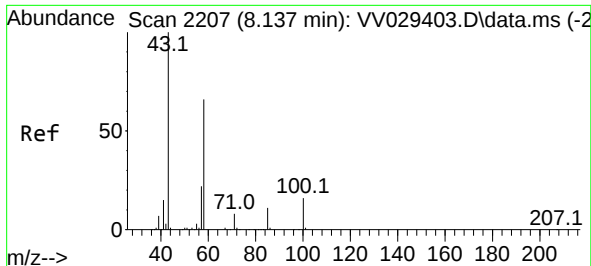
164 100

129 95.2 61.7 114.7

131 90.1 62.9 116.9

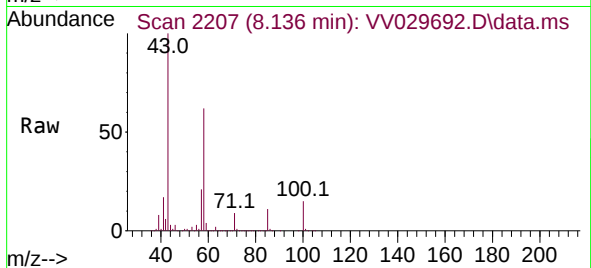
166 129.4 88.5 164.3



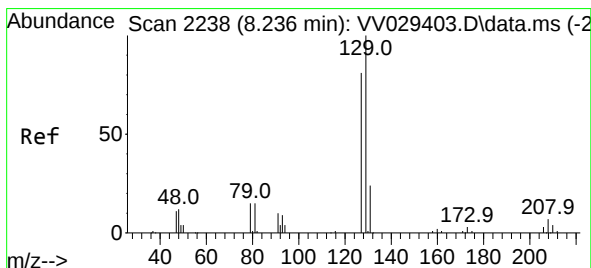
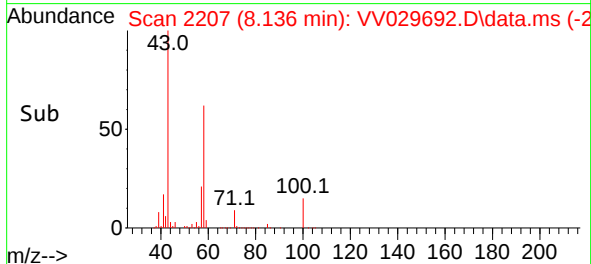
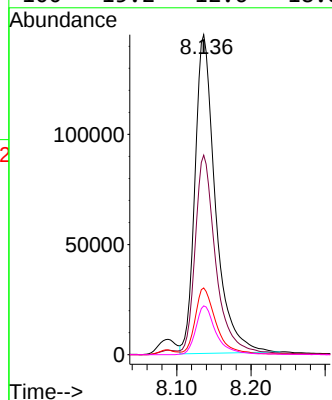


#48
2-Hexanone
Concen: 55.789 ug/L
RT: 8.136 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

Instrument :
MSVOA_V
ClientSampleId :

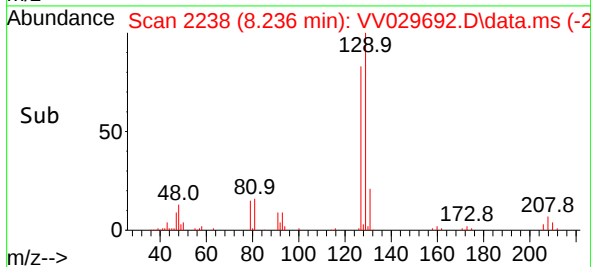
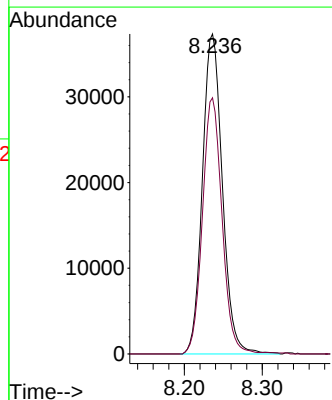
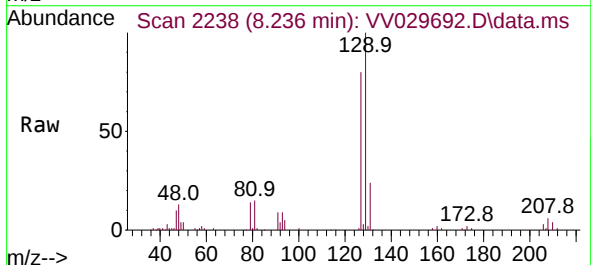


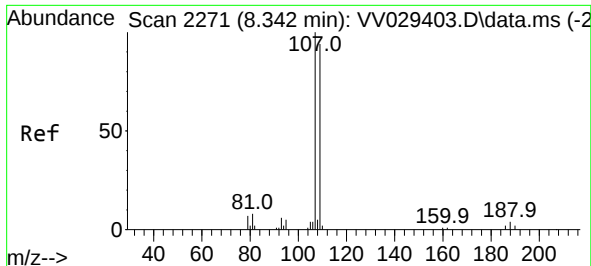
Tgt Ion: 43 Resp: 277889
Ion Ratio Lower Upper
43 100
58 62.5 49.4 74.0
57 21.0 16.9 25.3
100 15.2 12.6 18.8



#49
Dibromochloromethane
Concen: 5.710 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. -0.000 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

Tgt Ion: 129 Resp: 66405
Ion Ratio Lower Upper
129 100
127 80.1 53.1 98.7





#50

1,2-Dibromoethane

Concen: 5.518 ug/L

RT: 8.342 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

Instrument :

MSVOA_V

ClientSampleId :

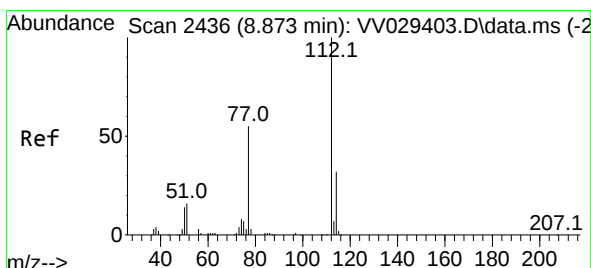
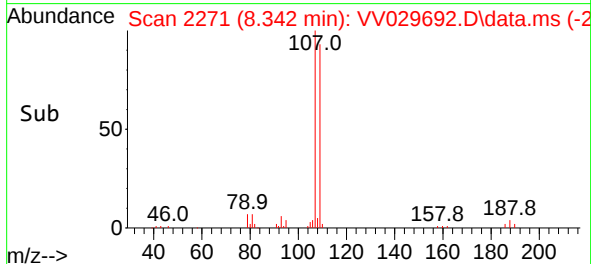
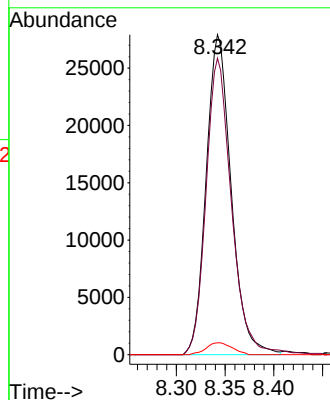
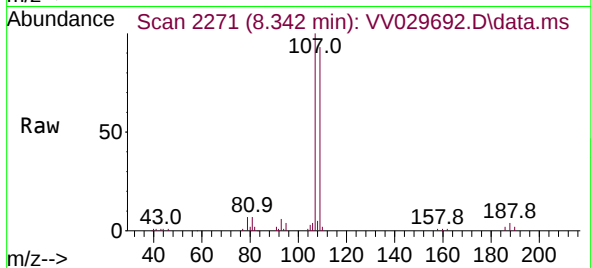
Tgt Ion:107 Resp: 49774

Ion Ratio Lower Upper

107 100

109 92.6 64.0 118.8

188 3.7 3.0 4.4



#51

Chlorobenzene

Concen: 5.290 ug/L

RT: 8.869 min Scan# 2435

Delta R.T. -0.003 min

Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

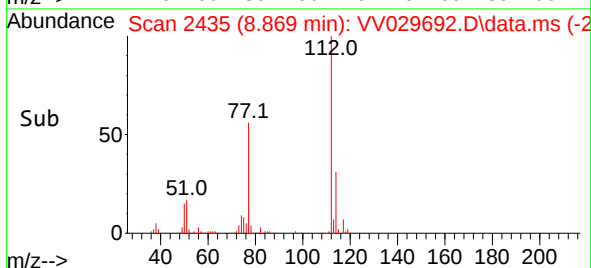
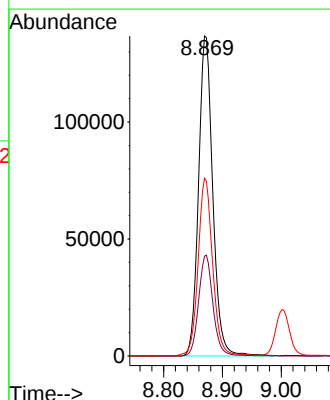
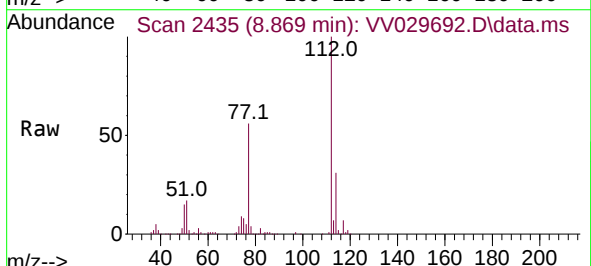
Tgt Ion:112 Resp: 230000

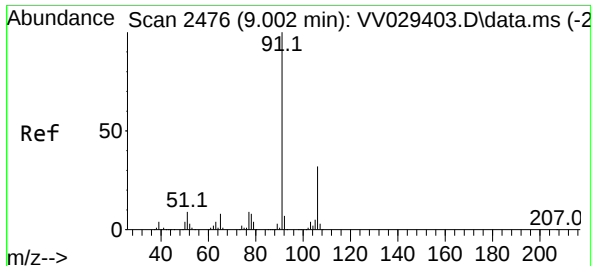
Ion Ratio Lower Upper

112 100

114 31.2 22.9 42.5

77 55.6 45.3 67.9





#52

Ethylbenzene

Concen: 5.259 ug/L

RT: 9.001 min Scan# 2476

Delta R.T. -0.000 min

Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

Instrument :

MSVOA_V

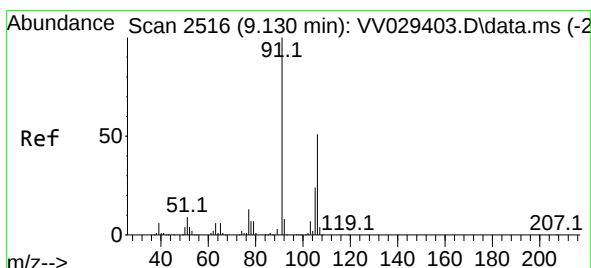
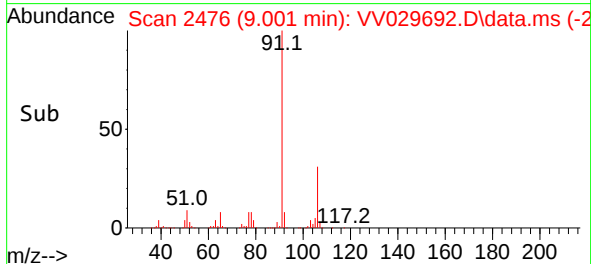
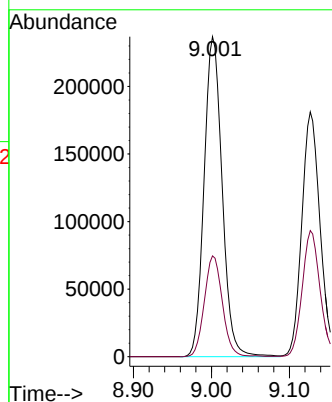
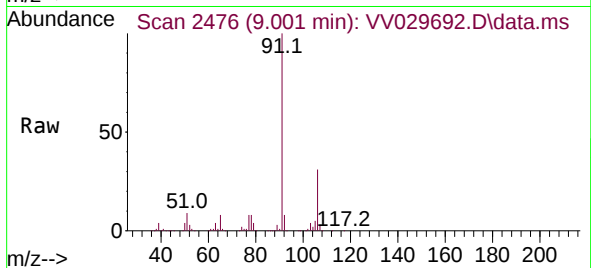
ClientSampleId :

Tgt Ion: 91 Resp: 381452

Ion Ratio Lower Upper

91 100

106 31.5 21.9 40.7



#53

m,p-Xylene

Concen: 5.217 ug/L

RT: 9.127 min Scan# 2515

Delta R.T. -0.003 min

Lab File: VV029692.D

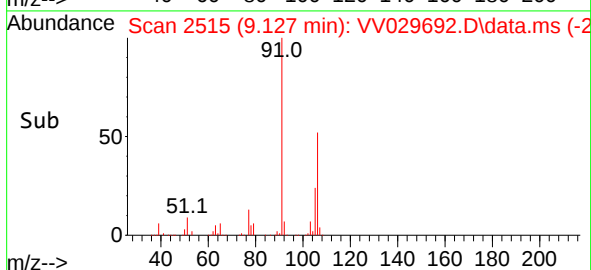
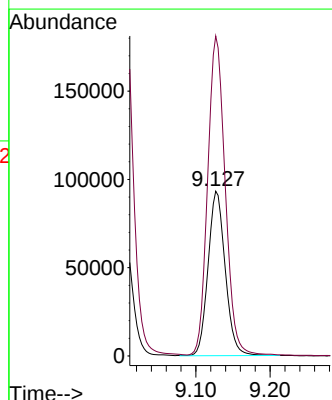
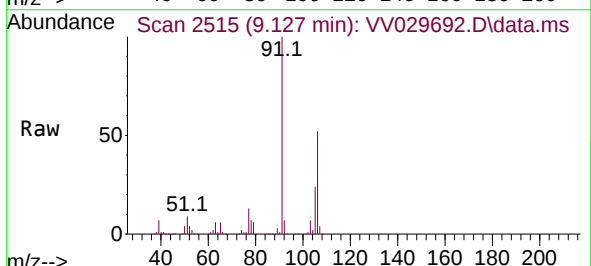
Acq: 16 Dec 2022 12:18

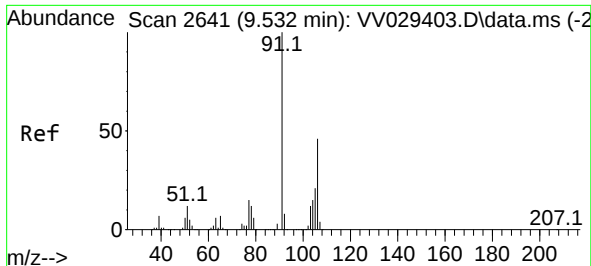
Tgt Ion: 106 Resp: 149244

Ion Ratio Lower Upper

106 100

91 194.2 140.6 261.2

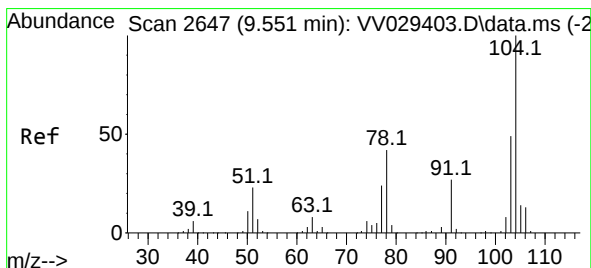
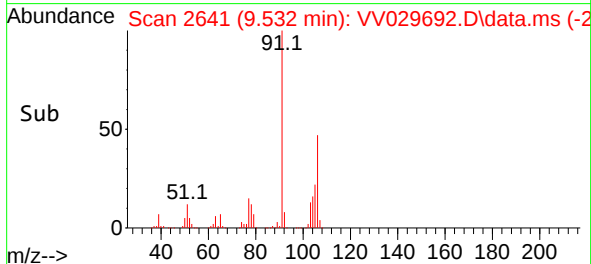
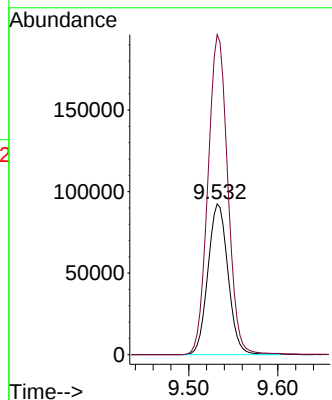
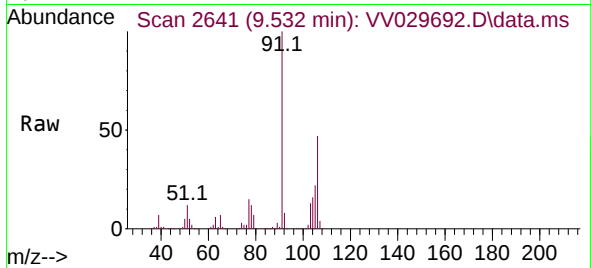




#54
o-Xylene
Concen: 5.147 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. -0.000 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

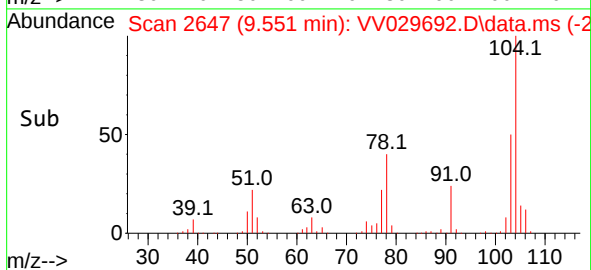
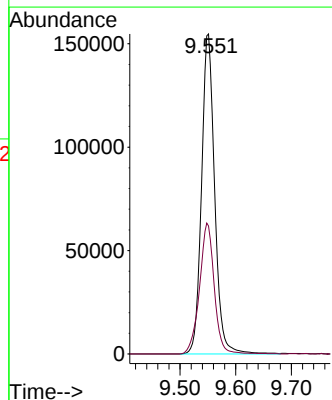
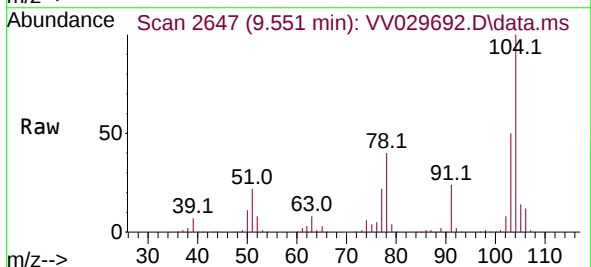
Instrument :
MSVOA_V
ClientSampleId :

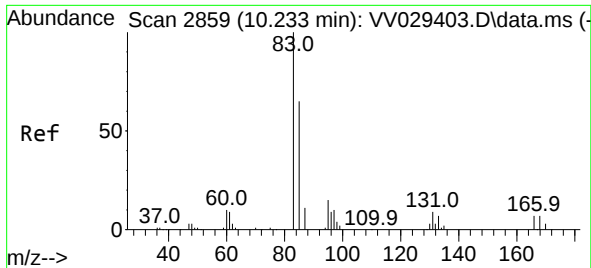
Tgt Ion:106 Resp: 144638
Ion Ratio Lower Upper
106 100
91 212.3 146.9 272.9



#55
Styrene
Concen: 5.352 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. -0.000 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

Tgt Ion:104 Resp: 253863
Ion Ratio Lower Upper
104 100
78 40.0 29.9 55.5

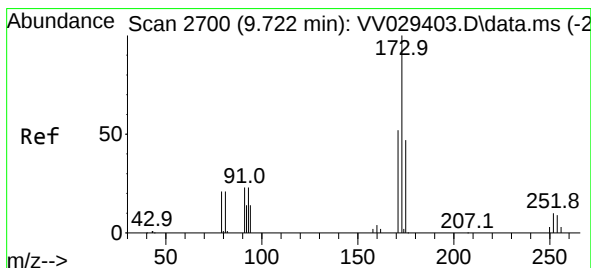
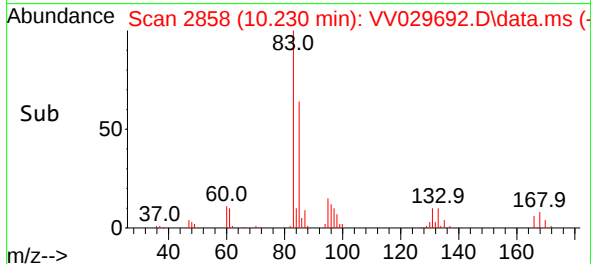
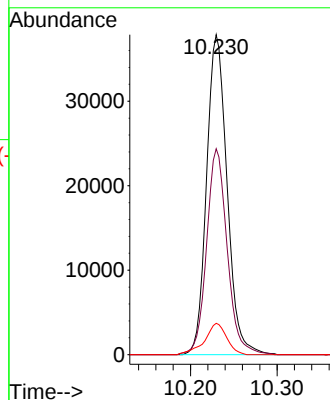
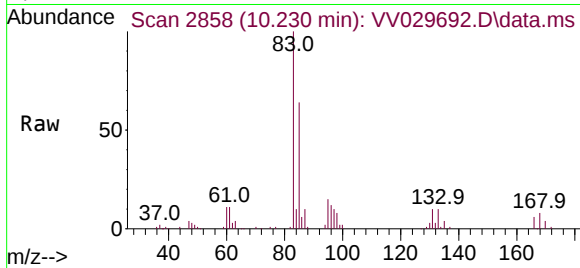




#57
1,1,2,2-Tetrachloroethane
Concen: 5.820 ug/L
RT: 10.230 min Scan# 2859
Delta R.T. -0.003 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

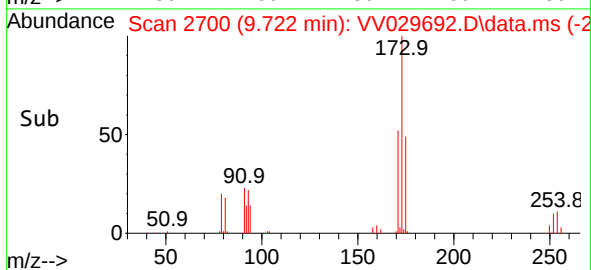
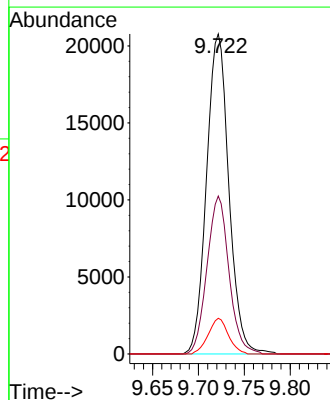
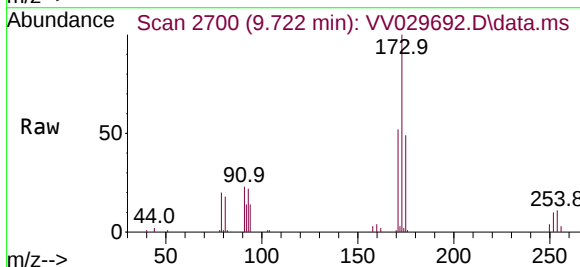
Instrument : MSVOA_V
ClientSampleId :

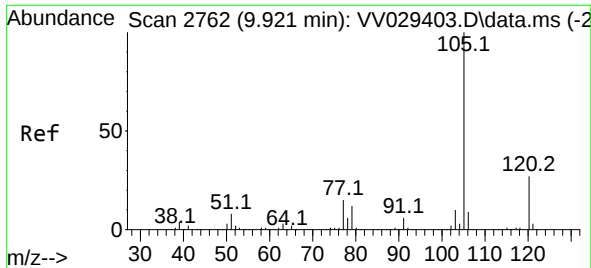
Tgt Ion: 83 Resp: 62256
Ion Ratio Lower Upper
83 100
85 64.3 45.5 84.5
131 9.8 8.2 12.2



#59
Bromoform
Concen: 5.526 ug/L
RT: 9.722 min Scan# 2700
Delta R.T. -0.000 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

Tgt Ion: 173 Resp: 35111
Ion Ratio Lower Upper
173 100
175 48.6 38.6 58.0
254 10.1 8.3 12.5

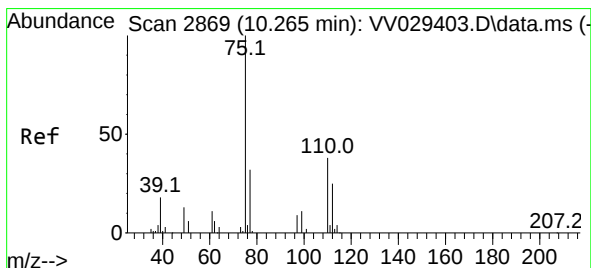
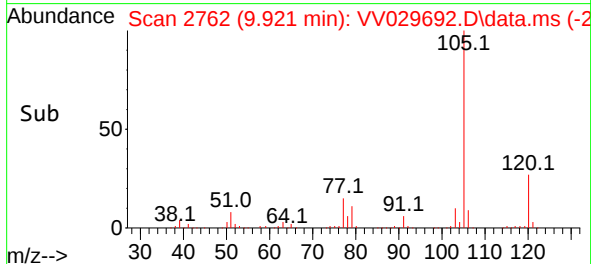
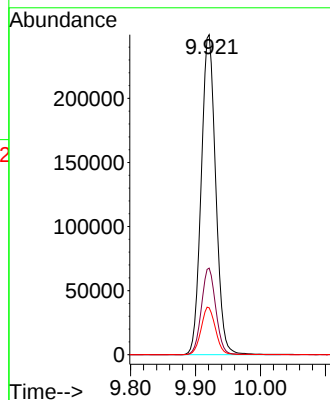
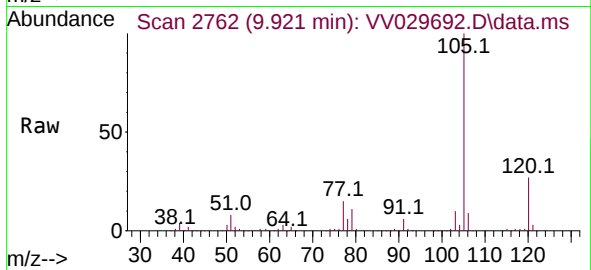




#60
Isopropylbenzene
Concen: 4.958 ug/L
RT: 9.921 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

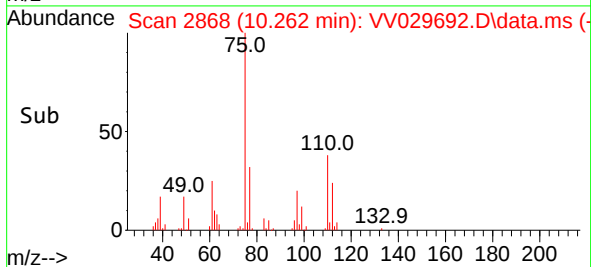
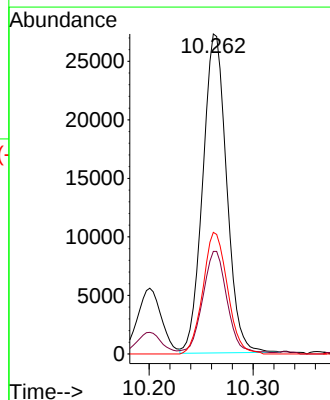
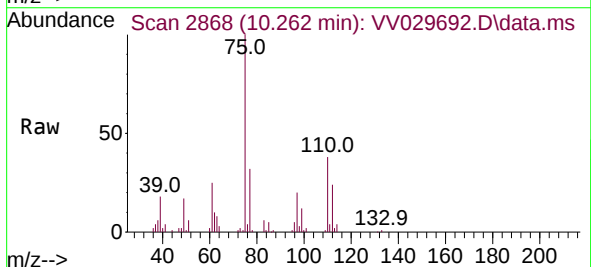
Instrument :
MSVOA_V
ClientSampleId :

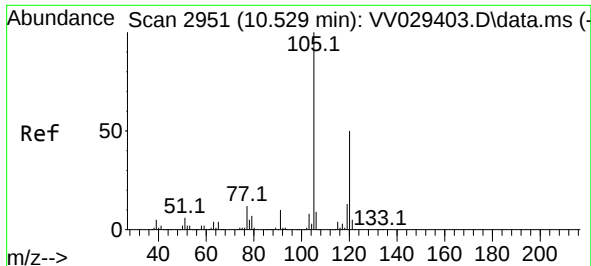
Tgt Ion:105 Resp: 387673
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.2
77 14.9 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.183 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. -0.003 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

Tgt Ion: 75 Resp: 43473
Ion Ratio Lower Upper
75 100
77 31.9 26.7 40.1
110 39.2 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 4.838 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

Instrument :

MSVOA_V

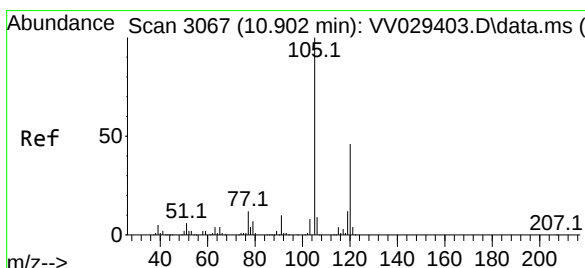
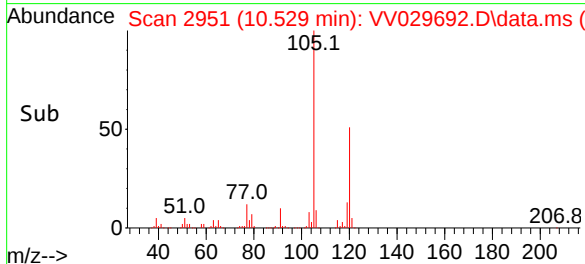
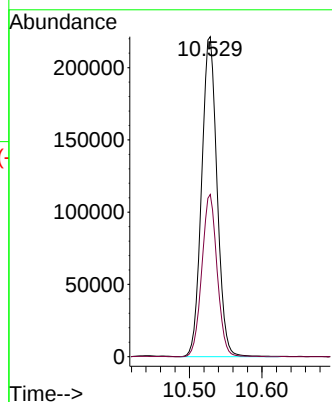
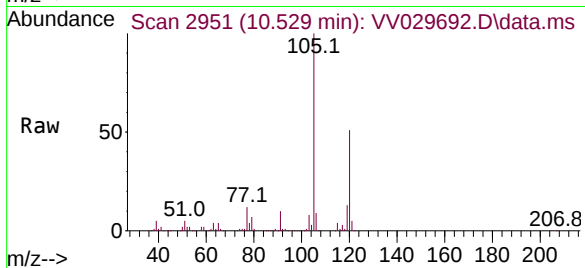
ClientSampleId :

Tgt Ion:105 Resp: 327529

Ion Ratio Lower Upper

105 100

120 50.2 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 4.807 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. -0.000 min

Lab File: VV029692.D

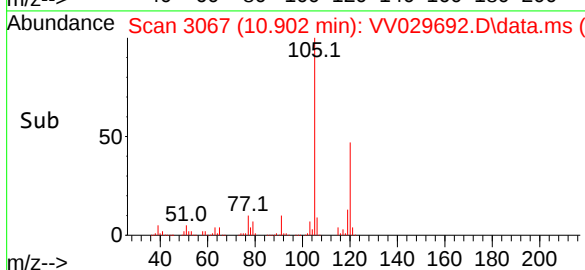
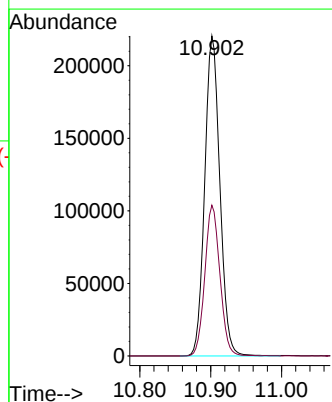
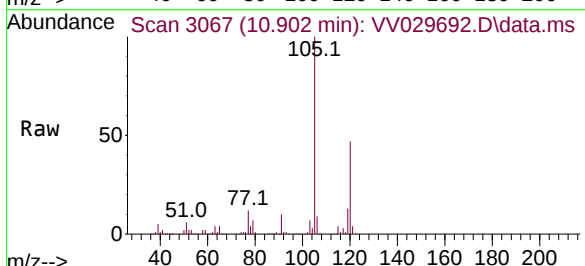
Acq: 16 Dec 2022 12:18

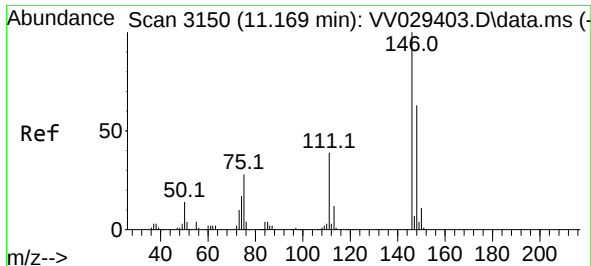
Tgt Ion:105 Resp: 327374

Ion Ratio Lower Upper

105 100

120 46.8 37.2 55.8

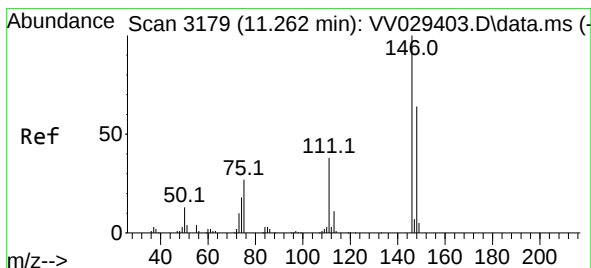
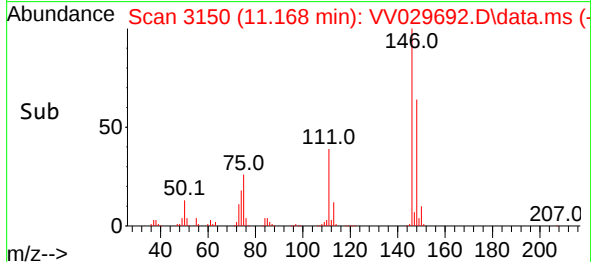
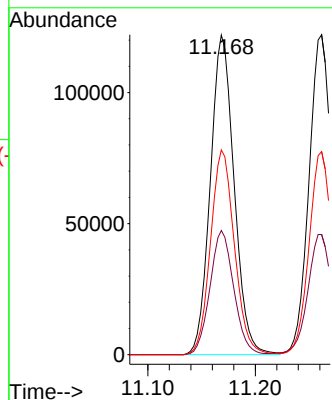
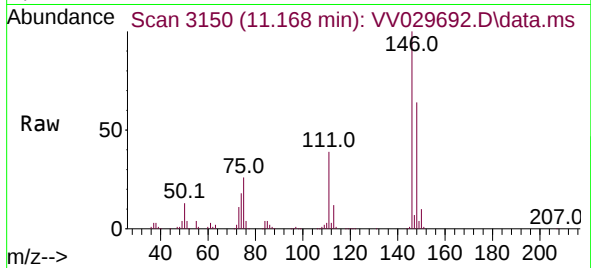




#64
1,3-Dichlorobenzene
Concen: 5.140 ug/L
RT: 11.168 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

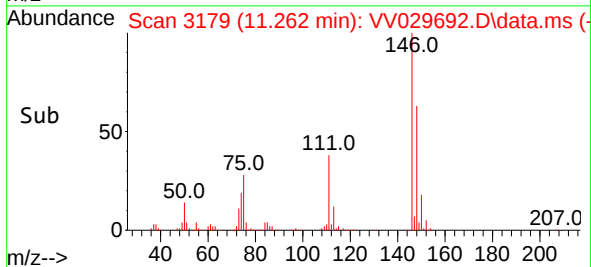
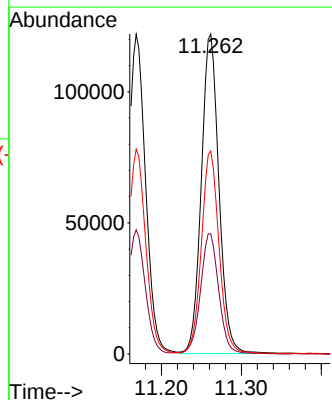
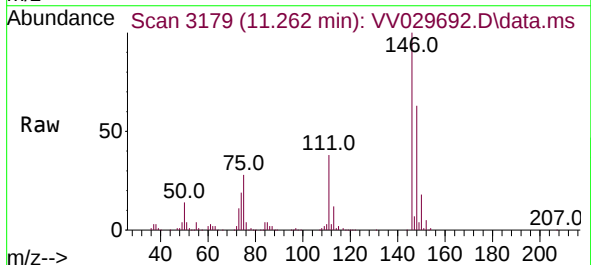
Instrument :
MSVOA_V
ClientSampleId :

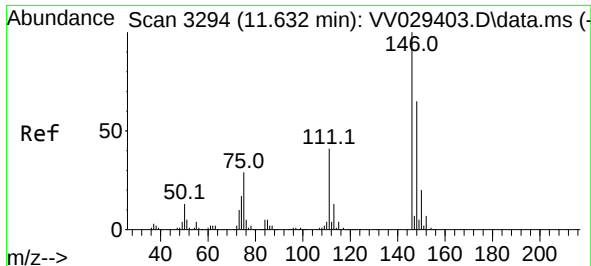
Tgt Ion:146 Resp: 187503
Ion Ratio Lower Upper
146 100
111 38.8 26.3 48.9
148 64.0 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 5.182 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

Tgt Ion:146 Resp: 187022
Ion Ratio Lower Upper
146 100
111 37.5 26.0 48.4
148 63.4 44.7 82.9

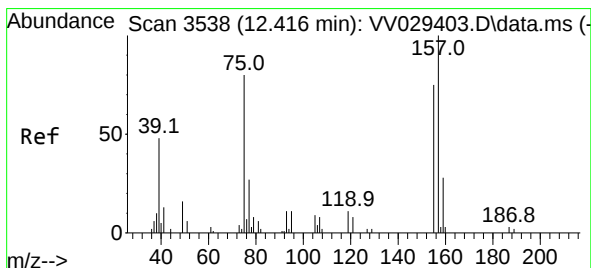
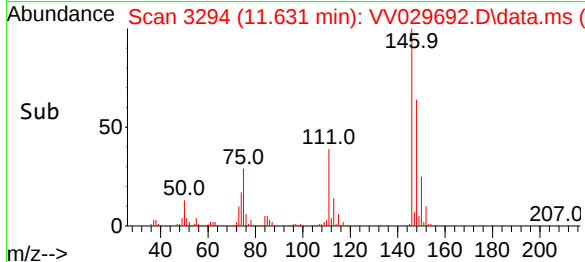
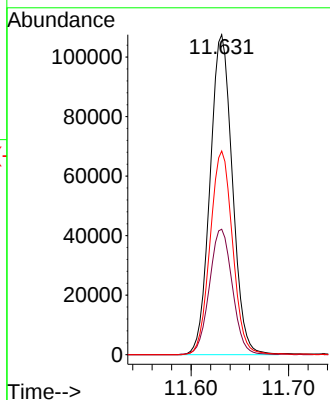
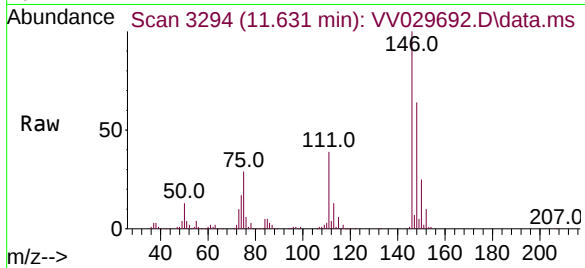




#67
1,2-Dichlorobenzene
Concen: 5.099 ug/L
RT: 11.631 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

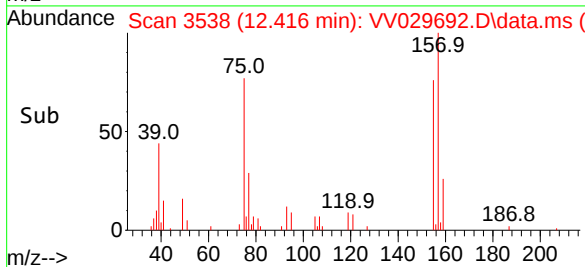
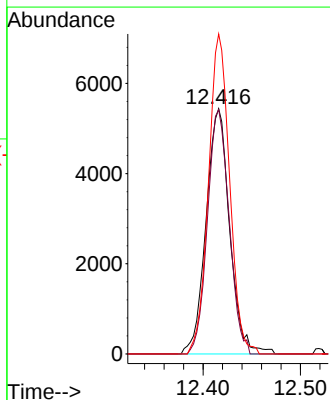
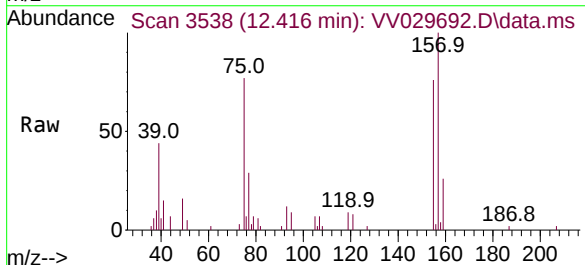
Instrument :
MSVOA_V
ClientSampleId :

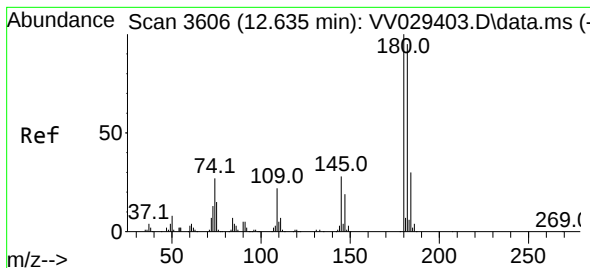
Tgt Ion:146 Resp: 171391
Ion Ratio Lower Upper
146 100
111 39.2 33.5 50.3
148 63.7 50.7 76.1



#68
1,2-Dibromo-3-chloropropane
Concen: 5.569 ug/L
RT: 12.416 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VV029692.D
Acq: 16 Dec 2022 12:18

Tgt Ion: 75 Resp: 9174
Ion Ratio Lower Upper
75 100
155 99.6 76.6 115.0
157 130.5 96.9 145.3





#69

1,3,5-Trichlorobenzene

Concen: 5.090 ug/L

RT: 12.631 min Scan# 3606

Delta R.T. -0.003 min

Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 152990

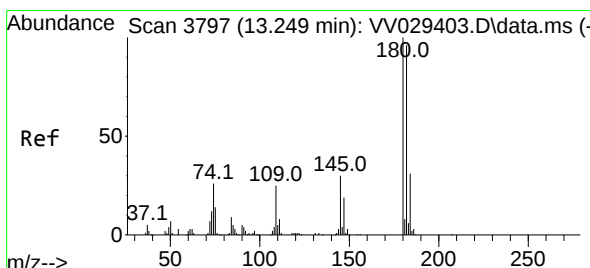
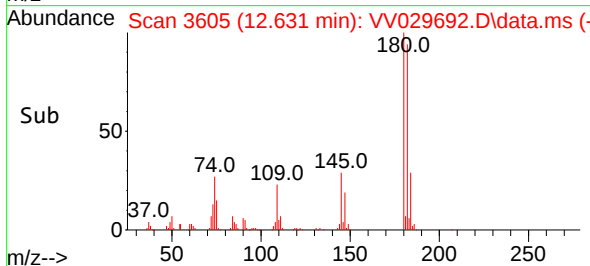
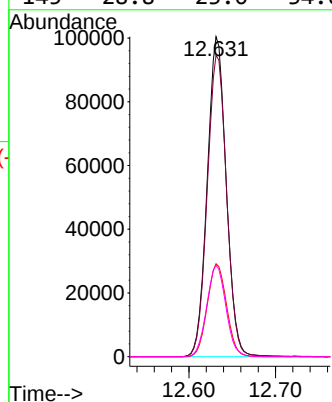
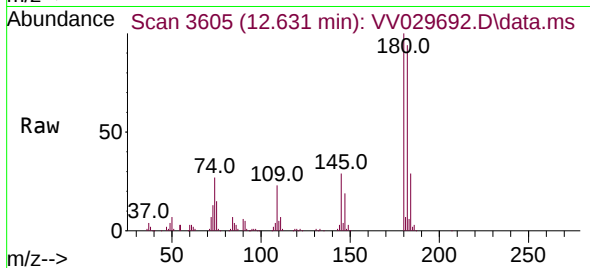
Ion Ratio Lower Upper

180 100

182 95.9 77.0 115.6

184 29.4 24.4 36.6

145 28.8 23.0 34.6



#70

1,2,4-trichlorobenzene

Concen: 5.141 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. -0.000 min

Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

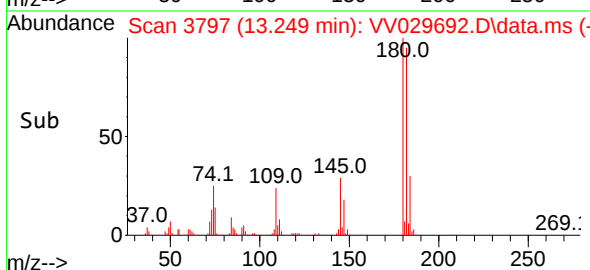
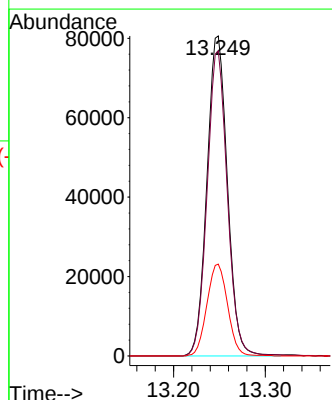
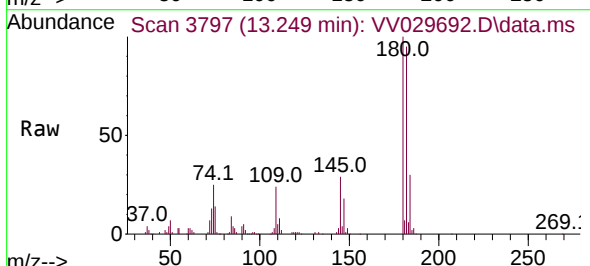
Tgt Ion:180 Resp: 125204

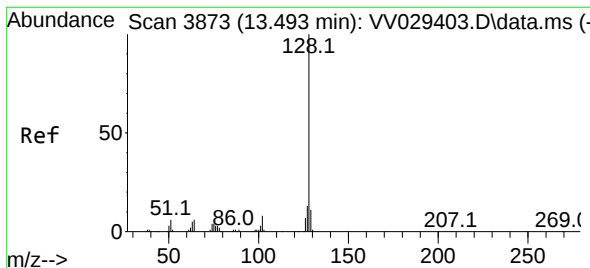
Ion Ratio Lower Upper

180 100

182 94.0 76.2 114.4

145 29.0 23.4 35.0





#71

Naphthalene

Concen: 7.843 ug/L

RT: 13.490 min Scan# 3873

Delta R.T. -0.003 min

Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

Instrument :

MSVOA_V

ClientSampleId :

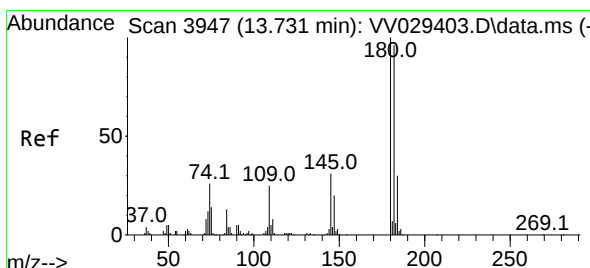
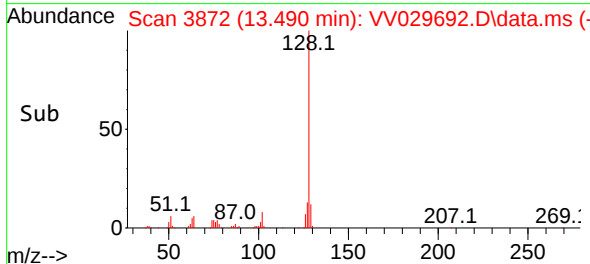
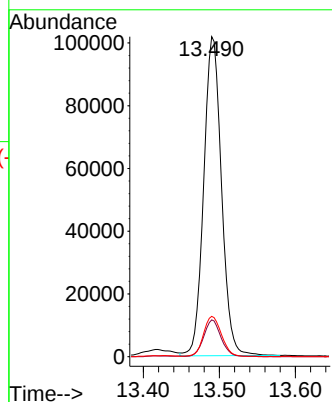
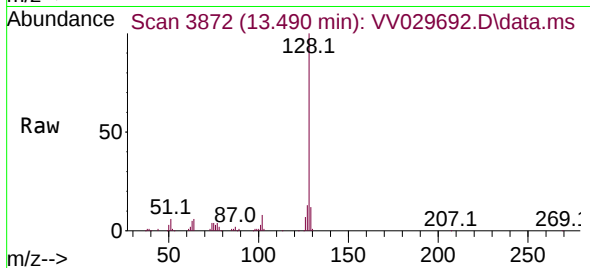
Tgt Ion:128 Resp: 165357

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

127 12.5 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 5.239 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. -0.000 min

Lab File: VV029692.D

Acq: 16 Dec 2022 12:18

Tgt Ion:180 Resp: 103880

Ion Ratio Lower Upper

180 100

182 94.2 75.0 112.4

145 31.0 25.2 37.8

