

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121921\
 Data File : VW024089.D
 Acq On : 19 Dec 2021 15:28
 Operator : SY/MD
 Sample : M5134-03MS
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 20 01:37:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Dec 20 01:35:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	100356	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	107799	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	63988	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	20512	3.802	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	76.000%	
7) Chloroethane-d5	1.568	69	19089	4.241	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	84.800%	
11) 1,1-Dichloroethene-d2	2.111	63	51890	4.927	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	98.600%	
20) 2-Butanone-d5	3.902	46	47524	45.088	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	90.180%	
24) Chloroform-d	4.349	84	54857	4.489	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	89.800%	
26) 1,2-Dichloroethane-d4	5.034	65	25895	4.551	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	91.000%	
32) Benzene-d6	5.053	84	95434	4.470	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	89.400%	
36) 1,2-Dichloropropane-d6	6.069	67	27413	4.256	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	85.200%	
41) Toluene-d8	7.317	98	96777	5.035	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	100.600%	
43) trans-1,3-Dichloroprop...	7.622	79	11632	4.353	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	87.000%	
46) 2-Hexanone-d5	8.091	63	43209	36.119	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	72.240%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	20768	3.886	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	77.800%	
66) 1,2-Dichlorobenzene-d4	11.622	152	40219	4.705	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	94.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	41516	4.753	ug/L	98
3) Chloromethane	1.240	50	35616	4.772	ug/L	97
5) Vinyl chloride	1.310	62	39643	4.897	ug/L	100
6) Bromomethane	1.523	94	26141	5.082	ug/L	99
8) Chloroethane	1.587	64	25952	4.927	ug/L	99
9) Trichlorofluoromethane	1.754	101	74882	5.324	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	39046	5.271	ug/L	99
12) 1,1-Dichloroethene	2.121	96	35318	5.245	ug/L	92
13) Acetone	2.188	43	64933	77.002	ug/L	85
14) Carbon disulfide	2.294	76	85126	4.359	ug/L	99
15) Methyl Acetate	2.439	43	9637	4.715	ug/L #	89
16) Methylene chloride	2.506	84	38287	4.347	ug/L	97
17) Methyl tert-butyl Ether	2.767	73	81508	5.353	ug/L	99
18) trans-1,2-Dichloroethene	2.760	96	37050	4.971	ug/L	99
19) 1,1-Dichloroethane	3.191	63	68181	5.097	ug/L	97
21) 2-Butanone	3.982	43	78783	65.388	ug/L	94
22) cis-1,2-Dichloroethene	3.912	96	41233	5.226	ug/L	95
23) Bromochloromethane	4.249	128	19144	5.340	ug/L	90
25) Chloroform	4.375	83	79079	5.318	ug/L	99

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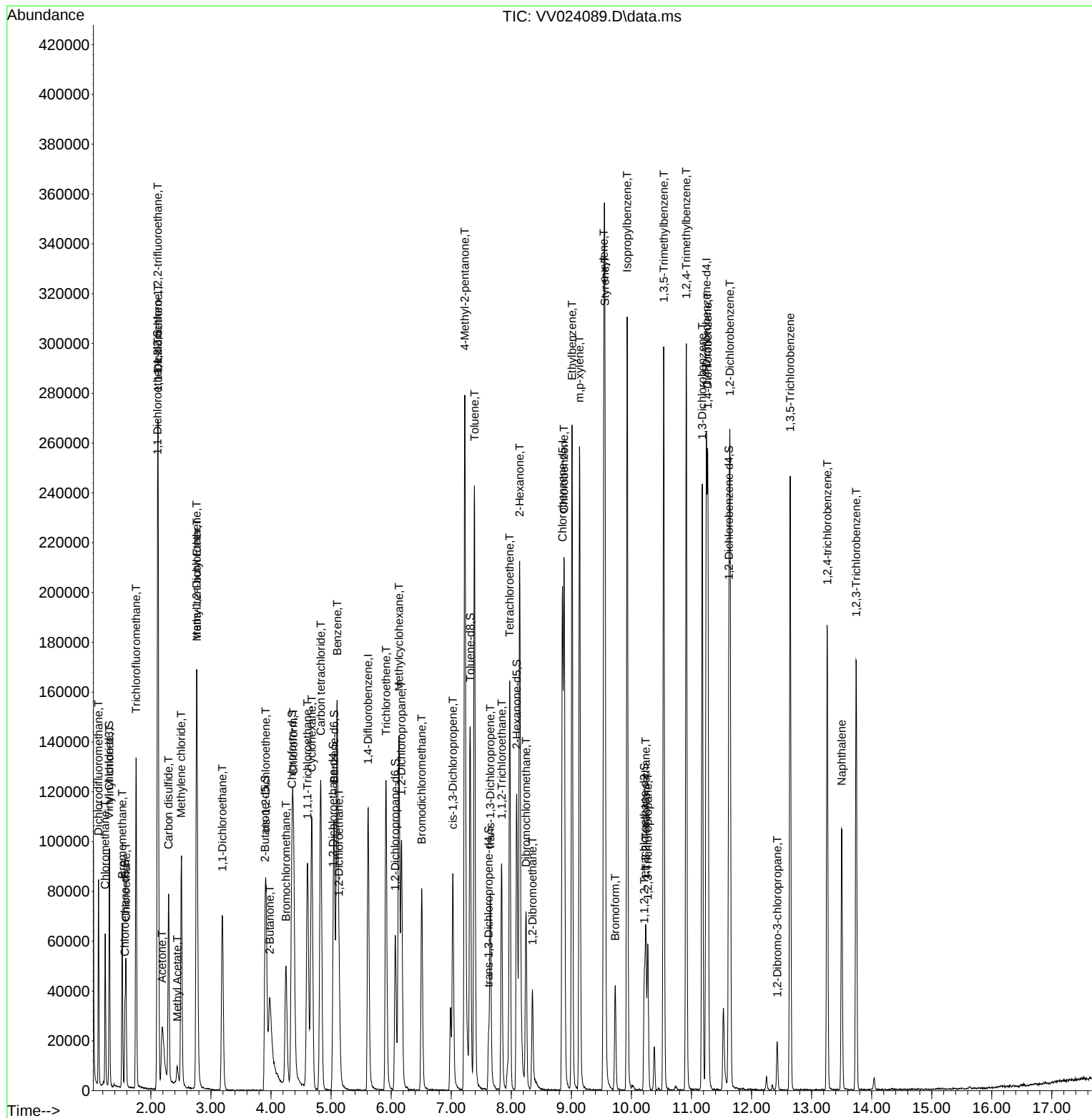
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	44550	5.530	ug/L	95
29) 1,1,1-Trichloroethane	4.609	97	73295	5.197	ug/L	99
30) Cyclohexane	4.677	56	55475	4.959	ug/L	99
31) Carbon tetrachloride	4.828	117	92515	6.978	ug/L	99
33) Benzene	5.101	78	154810	5.076	ug/L	100
34) Trichloroethene	5.915	95	41779	4.857	ug/L	97
35) Methylcyclohexane	6.130	83	58257	4.602	ug/L	97
37) 1,2-Dichloropropane	6.172	63	38033	5.247	ug/L	99
38) Bromodichloromethane	6.509	83	53709	5.231	ug/L	98
39) cis-1,3-Dichloropropene	7.027	75	51127	4.752	ug/L	100
40) 4-Methyl-2-pentanone	7.226	43	193827	55.668	ug/L	98
42) Toluene	7.387	91	176349	5.138	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	44956	4.834	ug/L	99
45) 1,1,2-Trichloroethane	7.841	97	28265	5.271	ug/L	99
47) Tetrachloroethene	7.976	164	36506	4.821	ug/L	97
48) 2-Hexanone	8.140	43	139852	55.395	ug/L	98
49) Dibromochloromethane	8.246	129	36106	4.949	ug/L	98
50) 1,2-Dibromoethane	8.352	107	25110	5.044	ug/L	90
51) Chlorobenzene	8.879	112	113509	4.948	ug/L	98
52) Ethylbenzene	9.011	91	182790	5.048	ug/L	98
53) m,p-xylene	9.136	106	73844	5.156	ug/L	95
54) o-xylene	9.542	106	70848	5.116	ug/L	98
55) Styrene	9.561	104	122534	5.315	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.239	83	28742	4.895	ug/L	98
59) Bromoform	9.731	173	19533	4.756	ug/L	97
60) Isopropylbenzene	9.931	105	193790	5.158	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	22041	5.056	ug/L	96
62) 1,3,5-Trimethylbenzene	10.538	105	157912	5.067	ug/L	99
63) 1,2,4-Trimethylbenzene	10.914	105	159333	5.132	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	99446	5.176	ug/L	100
65) 1,4-Dichlorobenzene	11.271	146	98698	5.114	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	93396	5.306	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	4693	4.929	ug/L	90
69) 1,3,5-Trichlorobenzene	12.644	180	77970	4.934	ug/L	100
70) 1,2,4-trichlorobenzene	13.262	180	59615	4.803	ug/L	99
71) Naphthalene	13.503	128	83585	4.685	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	52001	4.745	ug/L	98

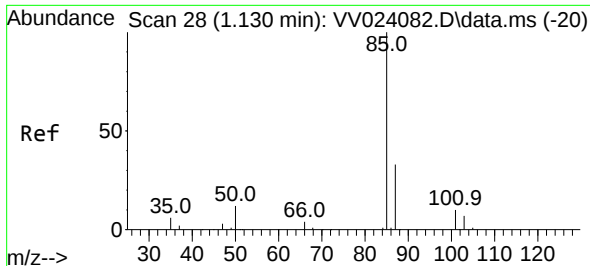
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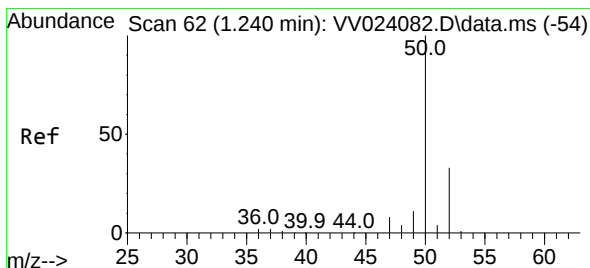
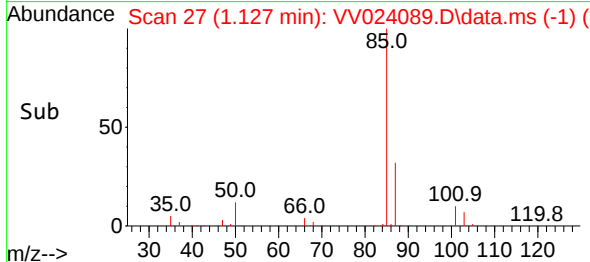
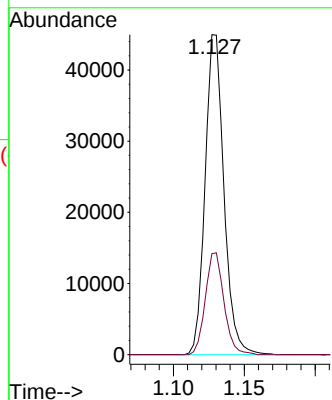
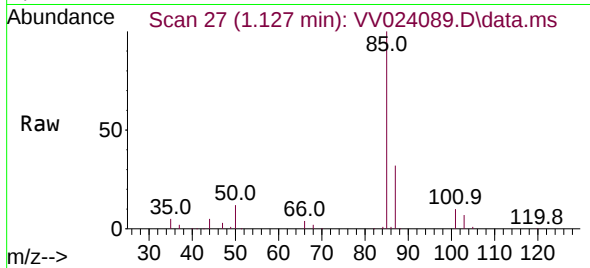




#2
 Dichlorodifluoromethane
 Concen: 4.753 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VV024089.D
 Acq: 19 Dec 2021 15:28

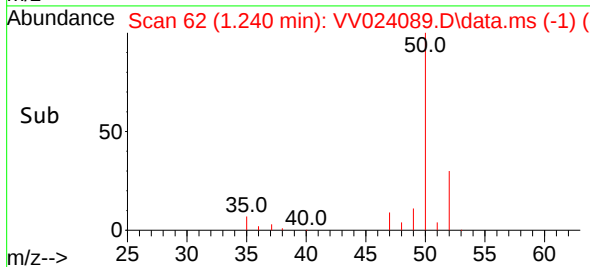
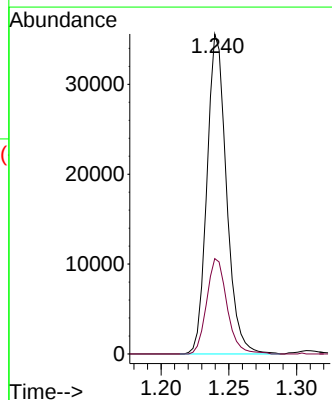
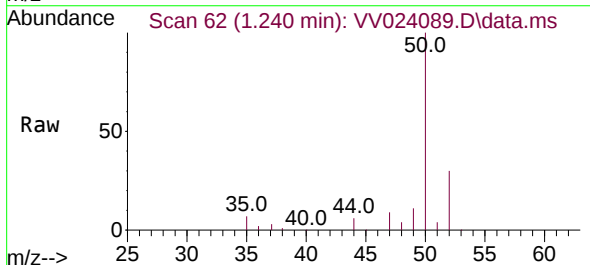
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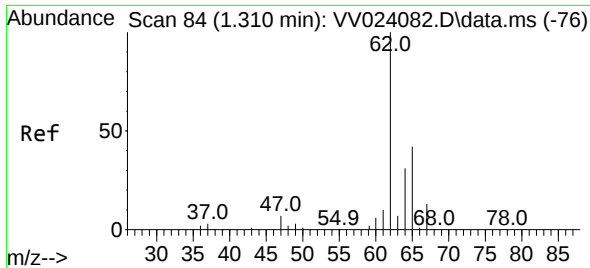
Tgt Ion: 85 Resp: 41516
 Ion Ratio Lower Upper
 85 100
 87 31.5 26.0 39.0



#3
 Chloromethane
 Concen: 4.772 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV024089.D
 Acq: 19 Dec 2021 15:28

Tgt Ion: 50 Resp: 35616
 Ion Ratio Lower Upper
 50 100
 52 29.8 22.0 41.0

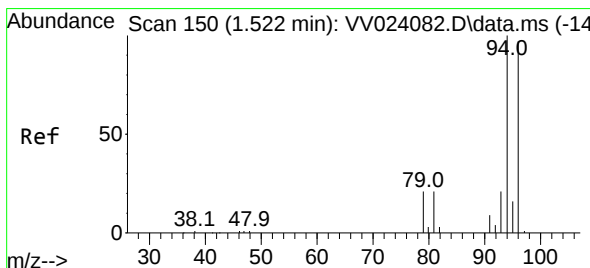
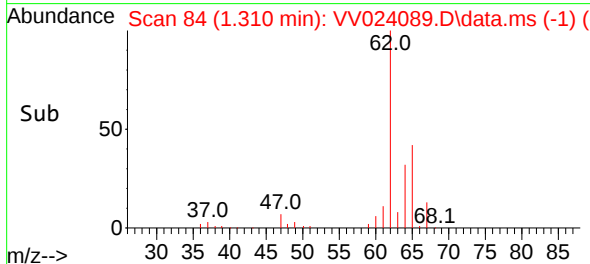
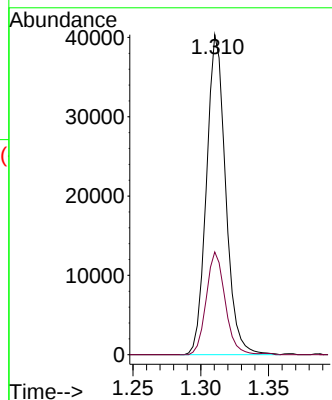
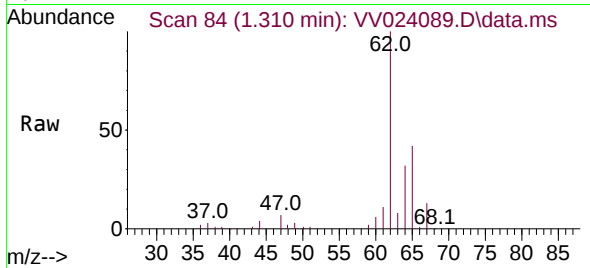




#5
 Vinyl chloride
 Concen: 4.897 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV024089.D
 Acq: 19 Dec 2021 15:28

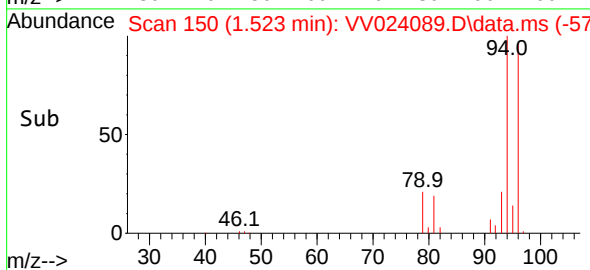
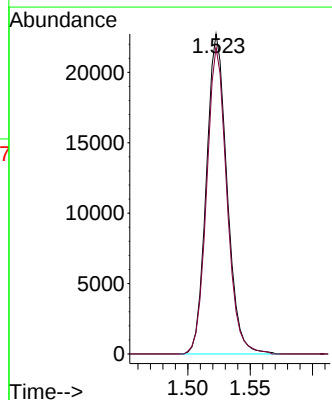
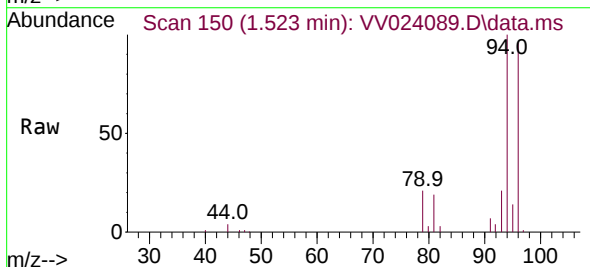
Instrument :
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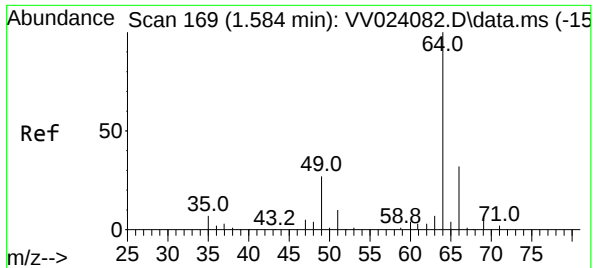
Tgt Ion: 62 Resp: 39643
 Ion Ratio Lower Upper
 62 100
 64 32.1 22.4 41.6



#6
 Bromomethane
 Concen: 5.082 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV024089.D
 Acq: 19 Dec 2021 15:28

Tgt Ion: 94 Resp: 26141
 Ion Ratio Lower Upper
 94 100
 96 95.7 66.2 123.0





#8

Chloroethane

Concen: 4.927 ug/L

RT: 1.587 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV024089.D

Acq: 19 Dec 2021 15:28

Instrument :

MSVOA_V

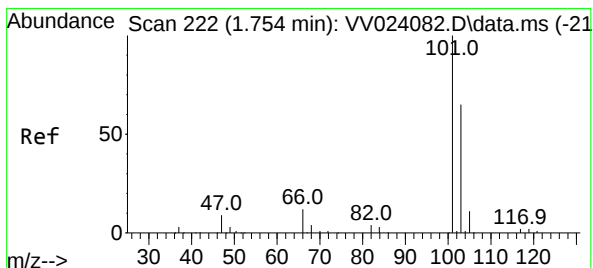
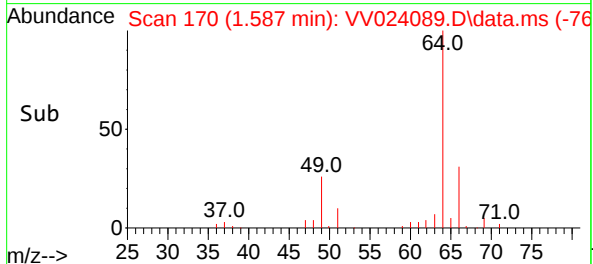
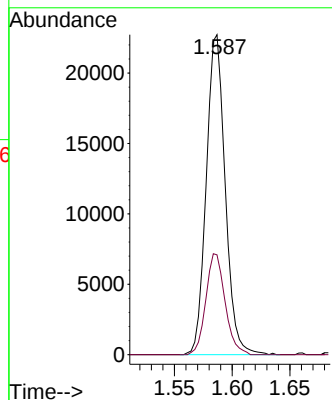
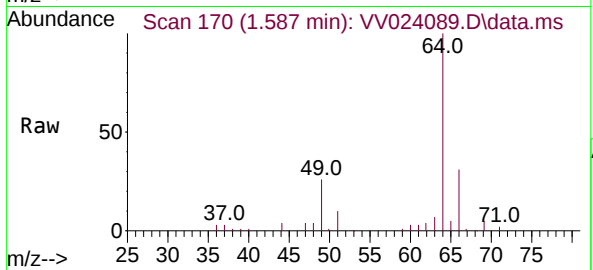
ClientSampleId :

Tgt Ion: 64 Resp: 25952

Ion Ratio Lower Upper

64 100

66 31.2 21.4 39.8



#9

Trichlorofluoromethane

Concen: 5.324 ug/L

RT: 1.754 min Scan# 222

Delta R.T. 0.000 min

Lab File: VV024089.D

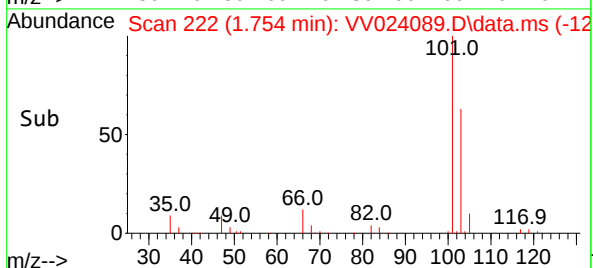
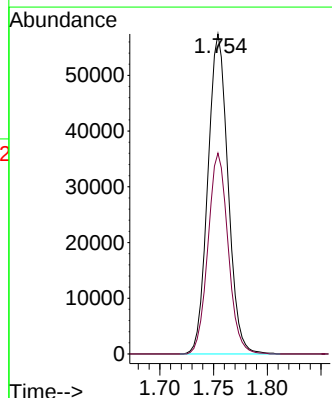
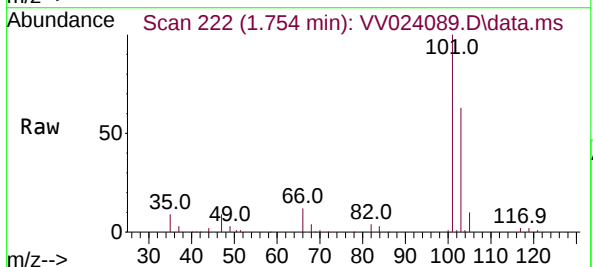
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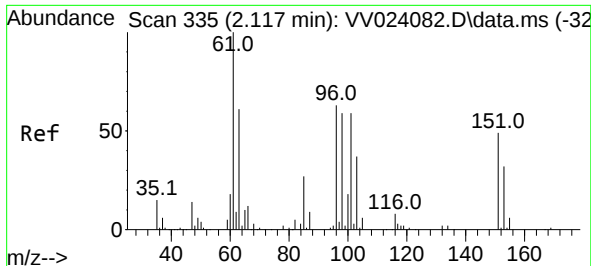
Tgt Ion:101 Resp: 74882

Ion Ratio Lower Upper

101 100

103 62.7 51.6 77.4

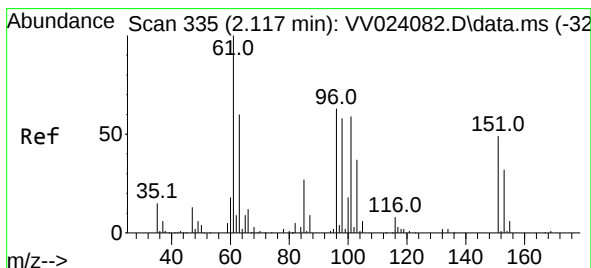
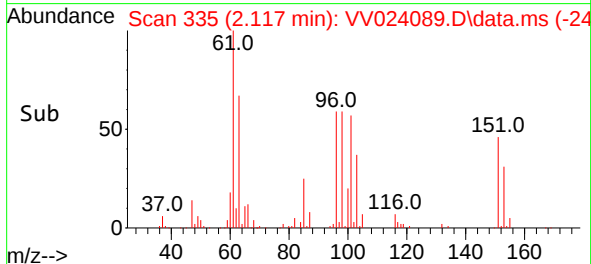
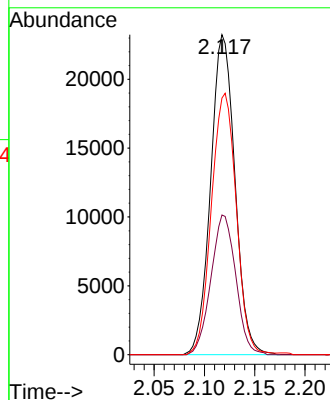
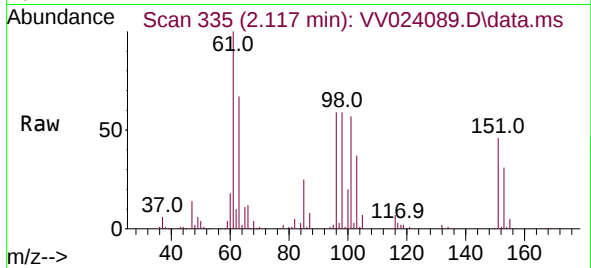




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.271 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV024089.D
 Acq: 19 Dec 2021 15:28

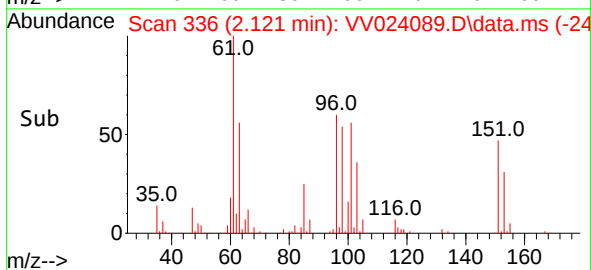
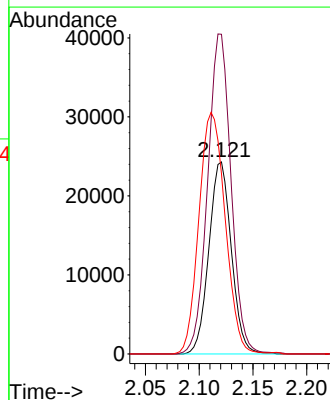
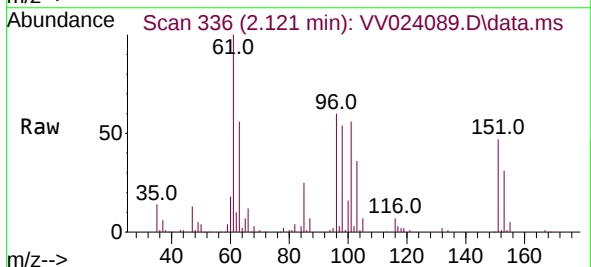
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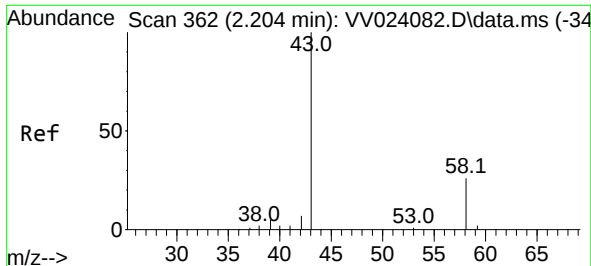
Tgt Ion:101 Resp: 39046
 Ion Ratio Lower Upper
 101 100
 85 44.5 36.0 54.0
 151 83.8 66.4 99.6



#12
 1,1-Dichloroethene
 Concen: 5.245 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.003 min
 Lab File: VV024089.D
 Acq: 19 Dec 2021 15:28

Tgt Ion: 96 Resp: 35318
 Ion Ratio Lower Upper
 96 100
 61 166.5 116.1 215.5
 63 93.8 79.4 147.4

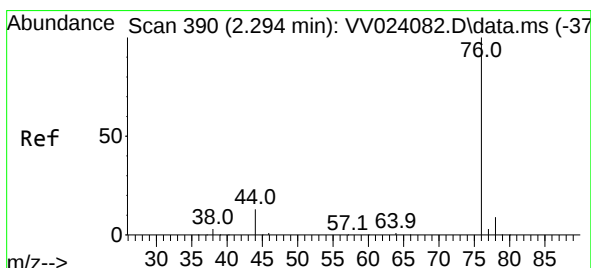
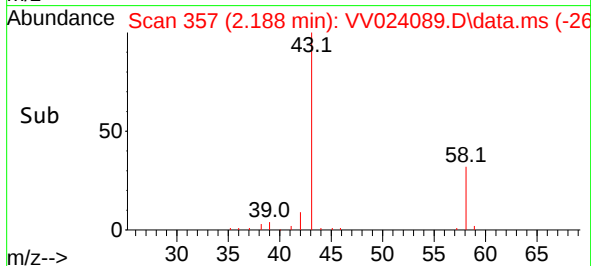
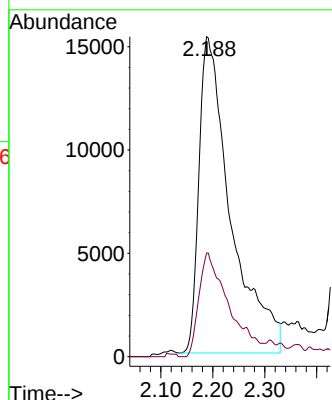
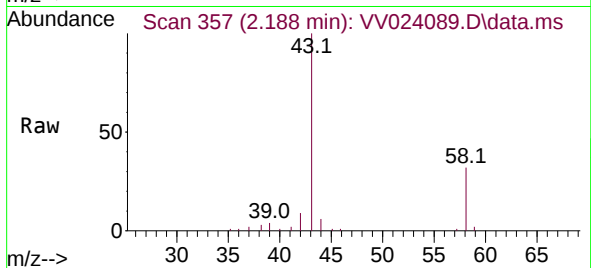




#13
Acetone
Concen: 77.002 ug/L
RT: 2.188 min Scan# 31
Delta R.T. -0.016 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

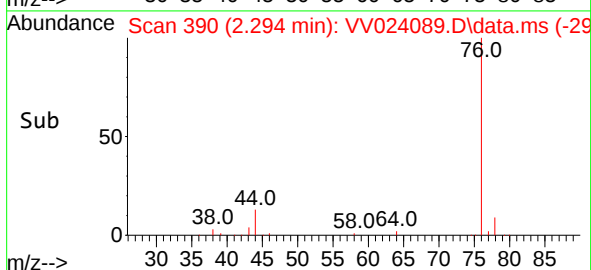
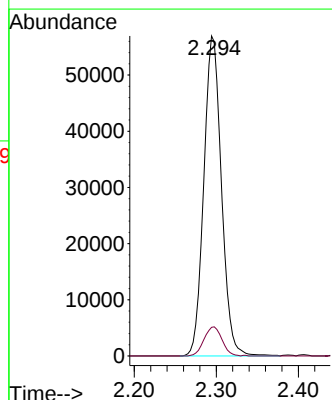
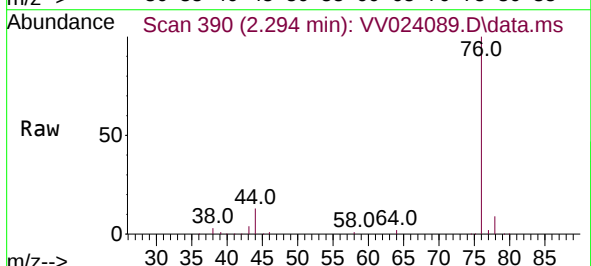
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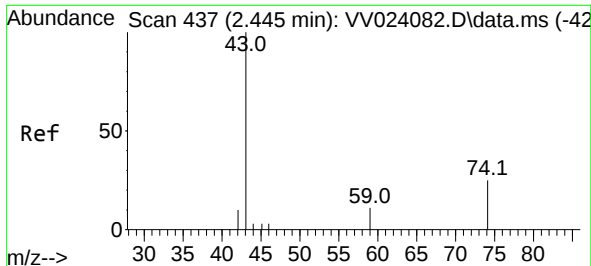
Tgt Ion: 43 Resp: 64933
Ion Ratio Lower Upper
43 100
58 27.8 0.0 41.4



#14
Carbon disulfide
Concen: 4.359 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.000 min
Lab File: VV024089.D
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Tgt Ion: 76 Resp: 85126
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3





#15

Methyl Acetate

Concen: 4.715 ug/L

RT: 2.439 min Scan# 41

Delta R.T. -0.006 min

Lab File: VV024089.D

Acq: 19 Dec 2021 15:28

Instrument :

MSVOA_V

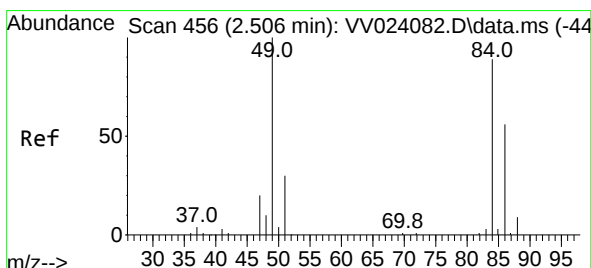
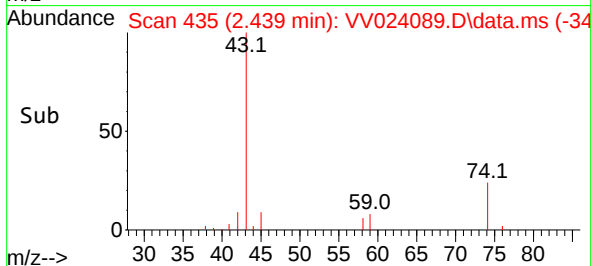
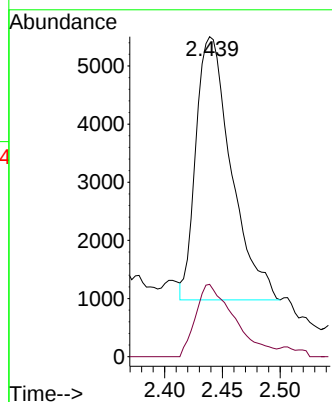
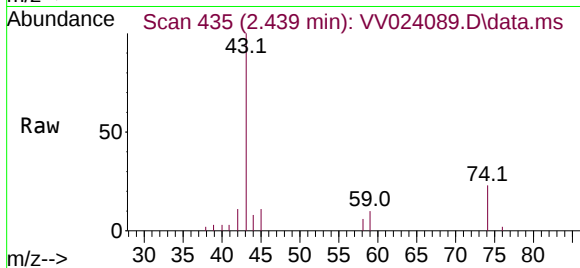
ClientSampleId :

Tgt Ion: 43 Resp: 9637

Ion Ratio Lower Upper

43 100

74 30.5 20.2 30.2#



#16

Methylene chloride

Concen: 4.347 ug/L

RT: 2.506 min Scan# 456

Delta R.T. 0.000 min

Lab File: VV024089.D

Acq: 19 Dec 2021 15:28

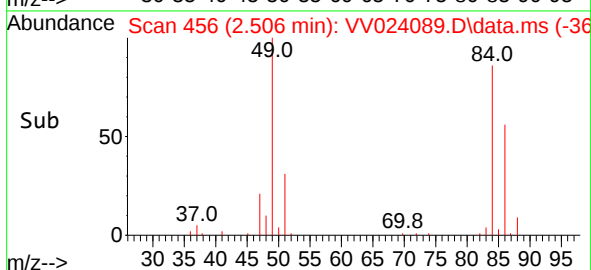
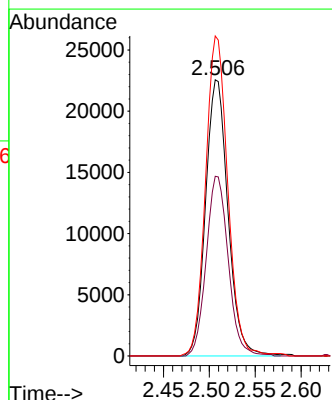
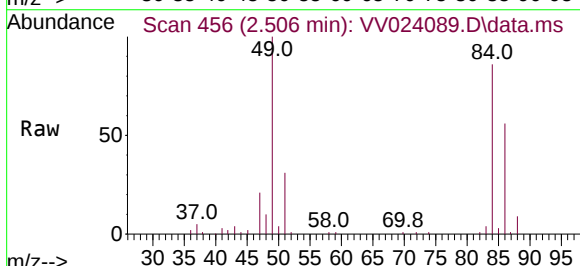
Tgt Ion: 84 Resp: 38287

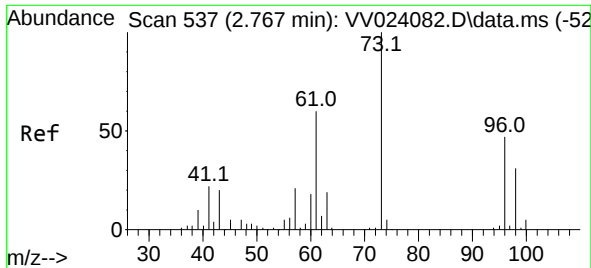
Ion Ratio Lower Upper

84 100

86 65.0 42.6 79.0

49 115.9 79.7 147.9

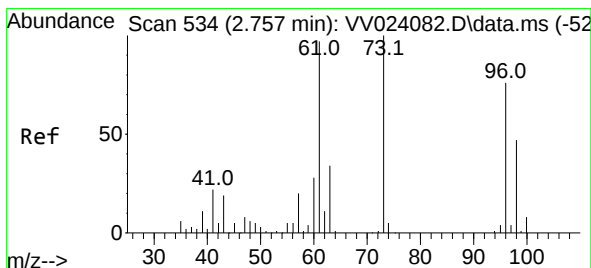
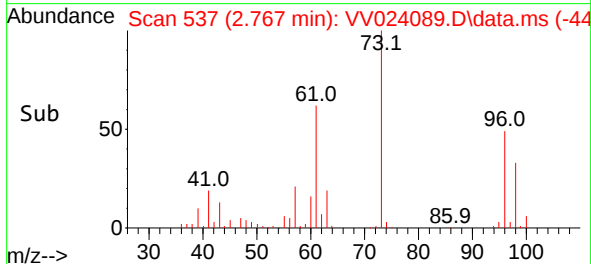
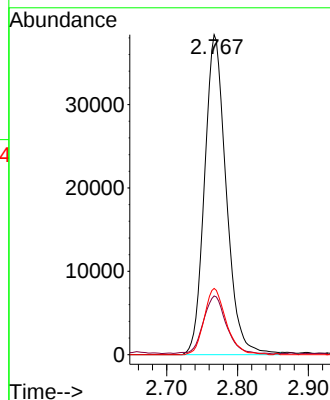
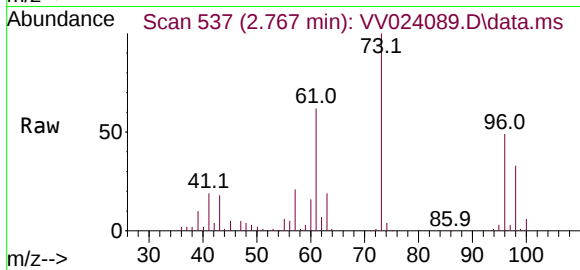




#17
Methyl tert-butyl Ether
Concen: 5.353 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

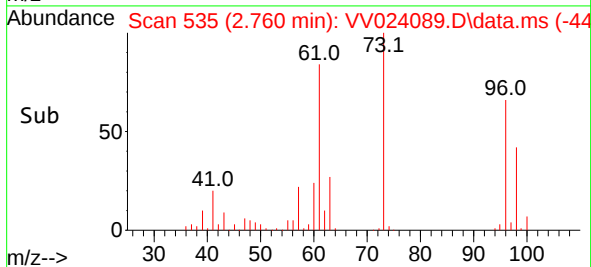
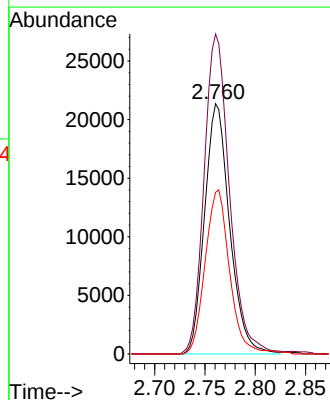
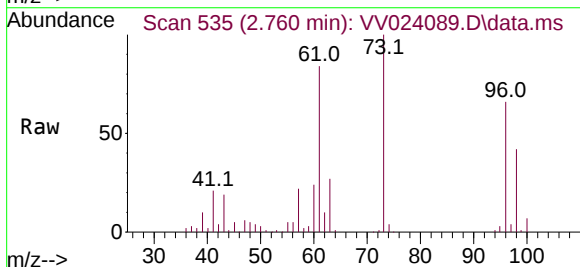
Instrument :
MSVOA_V
ClientSampleId :

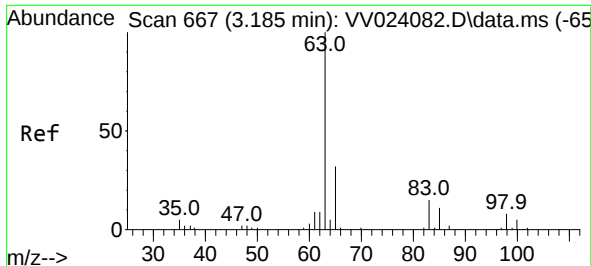
Tgt Ion: 73	Resp:	81508
Ion Ratio	Lower	Upper
73	100	
43	18.6	15.5 23.3
57	21.0	17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 4.971 ug/L
RT: 2.760 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

Tgt Ion: 96	Resp:	37050
Ion Ratio	Lower	Upper
96	100	
61	127.9	88.2 163.8
98	64.6	44.9 83.5





#19

1,1-Dichloroethane

Concen: 5.097 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.006 min

Lab File: VV024089.D

Acq: 19 Dec 2021 15:28

Instrument :

MSVOA_V

ClientSampleId :

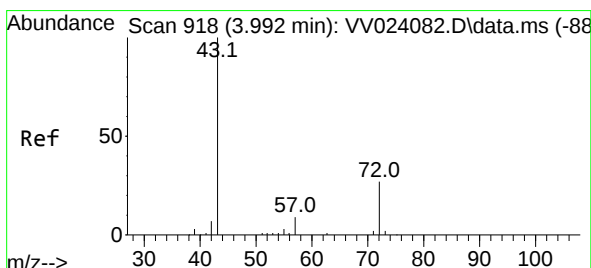
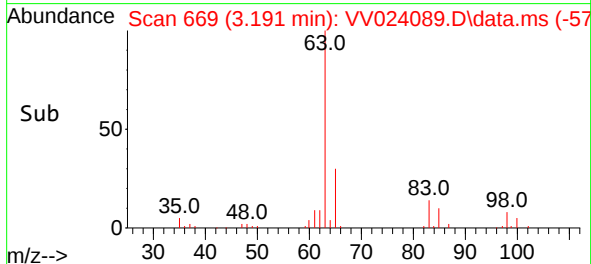
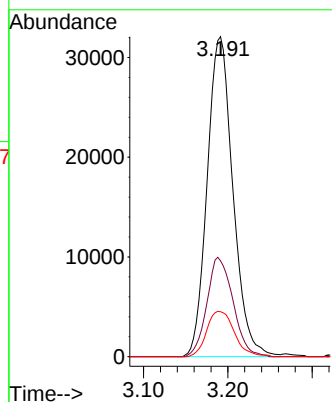
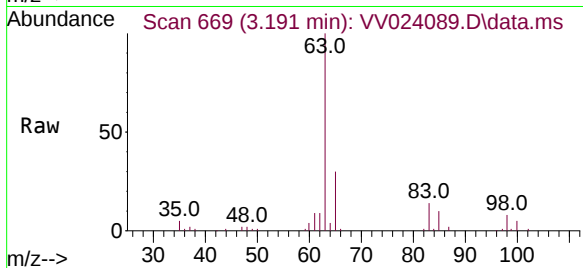
Tgt Ion: 63 Resp: 68181

Ion Ratio Lower Upper

63 100

65 29.9 22.3 41.3

83 14.0 10.7 19.9



#21

2-Butanone

Concen: 65.388 ug/L

RT: 3.982 min Scan# 915

Delta R.T. -0.010 min

Lab File: VV024089.D

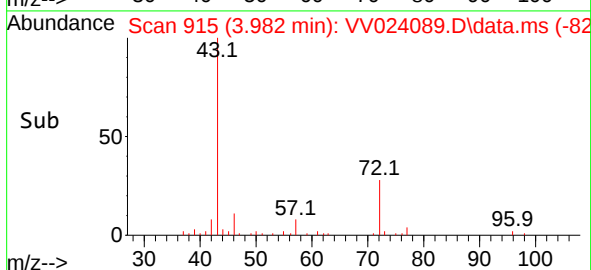
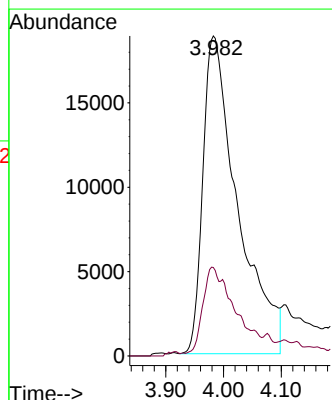
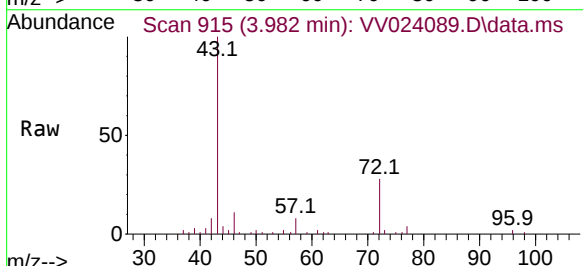
Acq: 19 Dec 2021 15:28

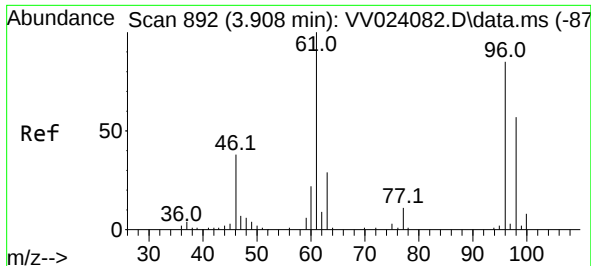
Tgt Ion: 43 Resp: 78783

Ion Ratio Lower Upper

43 100

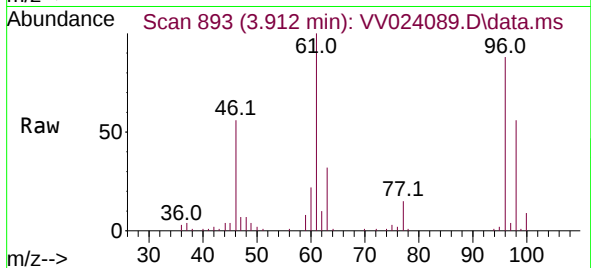
72 24.8 11.1 33.1



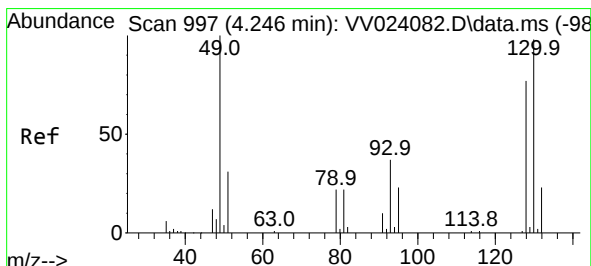
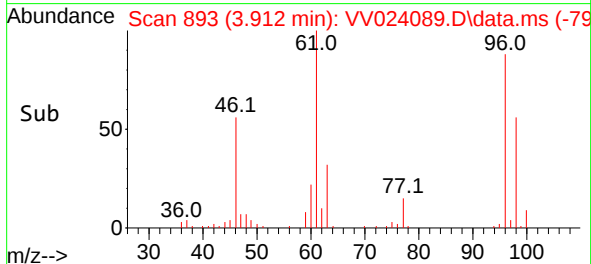
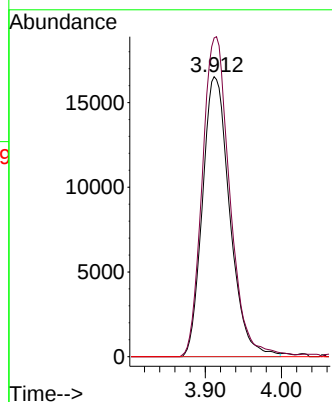


#22
 cis-1,2-Dichloroethene
 Concen: 5.226 ug/L
 RT: 3.912 min Scan# 892
 Delta R.T. 0.003 min
 Lab File: VV024089.D
 Acq: 19 Dec 2021 15:28

Instrument :
 MSVOA_V
 ClientSampleId :

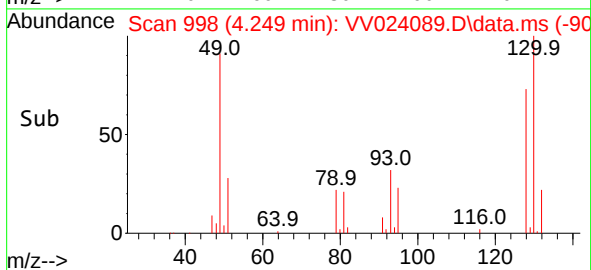
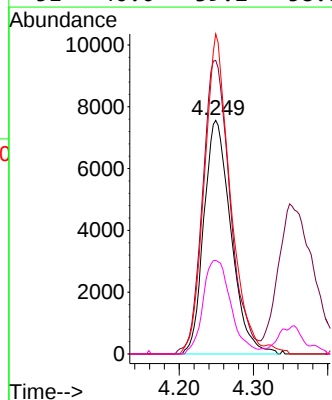
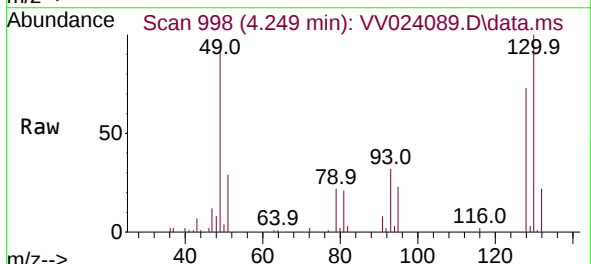


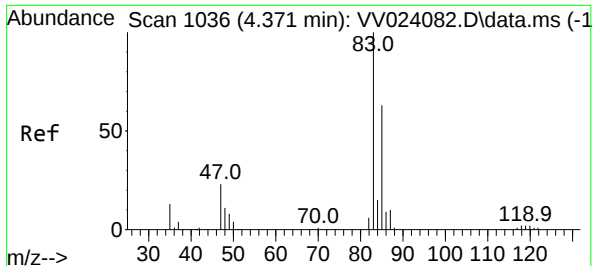
Tgt Ion: 96 Resp: 41233
 Ion Ratio Lower Upper
 96 100
 61 113.8 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.340 ug/L
 RT: 4.249 min Scan# 998
 Delta R.T. 0.003 min
 Lab File: VV024089.D
 Acq: 19 Dec 2021 15:28

Tgt Ion: 128 Resp: 19144
 Ion Ratio Lower Upper
 128 100
 49 125.7 100.2 186.2
 130 137.0 92.5 171.7
 51 40.0 39.2 58.8

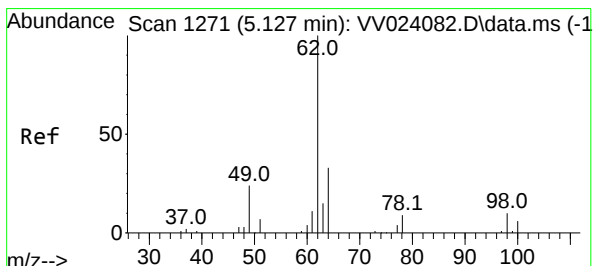
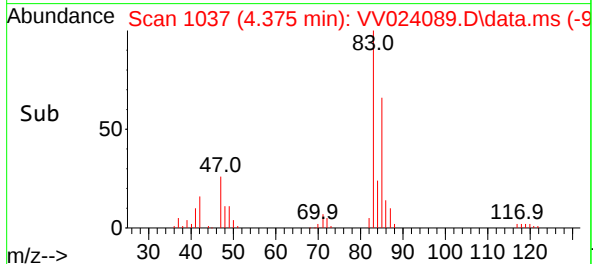
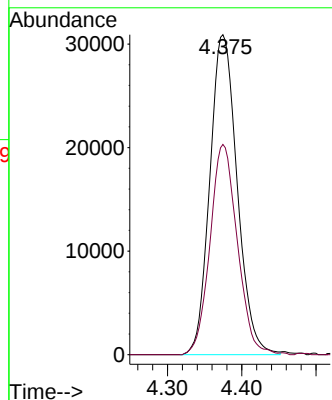
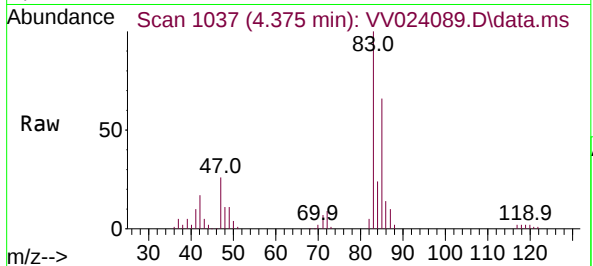




#25
Chloroform
Concen: 5.318 ug/L
RT: 4.375 min Scan# 1036
Delta R.T. 0.003 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

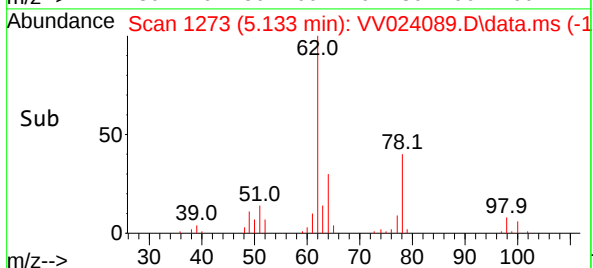
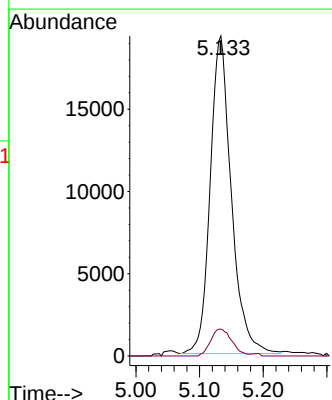
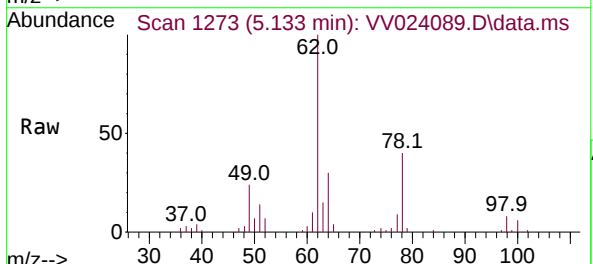
Instrument :
MSVOA_V
ClientSampleId :

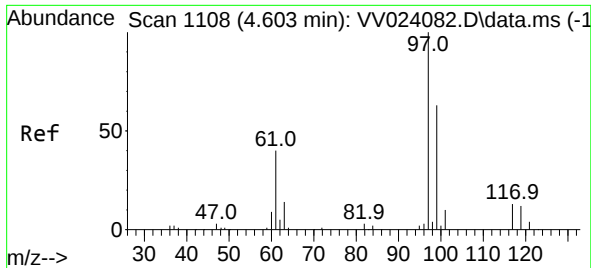
Tgt Ion: 83 Resp: 79079
Ion Ratio Lower Upper
83 100
85 65.7 45.2 84.0



#27
1,2-Dichloroethane
Concen: 5.530 ug/L
RT: 5.133 min Scan# 1273
Delta R.T. 0.007 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

Tgt Ion: 62 Resp: 44550
Ion Ratio Lower Upper
62 100
98 8.4 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 5.197 ug/L

RT: 4.609 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VV024089.D

Acq: 19 Dec 2021 15:28

Instrument :

MSVOA_V

ClientSampleId :

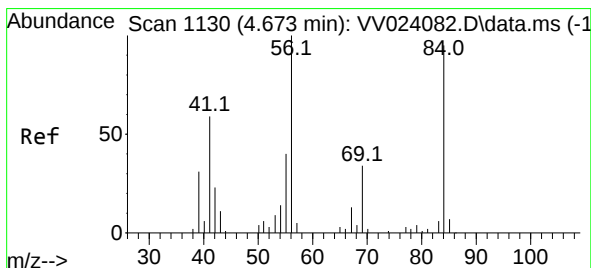
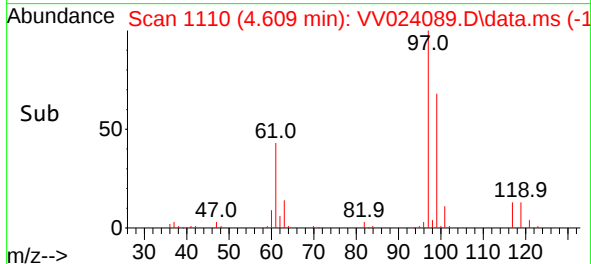
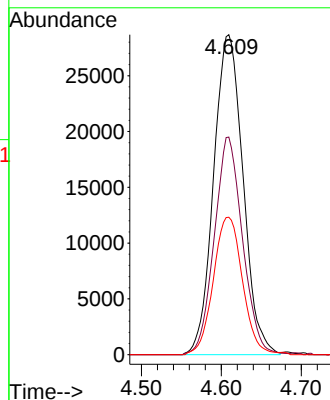
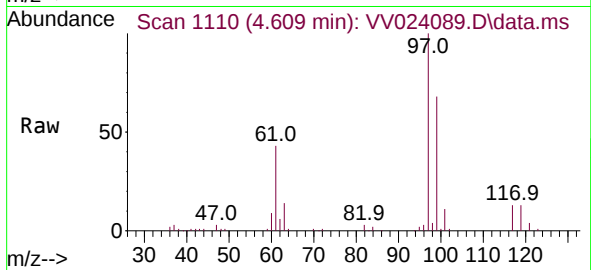
Tgt Ion: 97 Resp: 73295

Ion Ratio Lower Upper

97 100

99 65.3 51.9 77.9

61 42.7 33.2 49.8



#30

Cyclohexane

Concen: 4.959 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.003 min

Lab File: VV024089.D

Acq: 19 Dec 2021 15:28

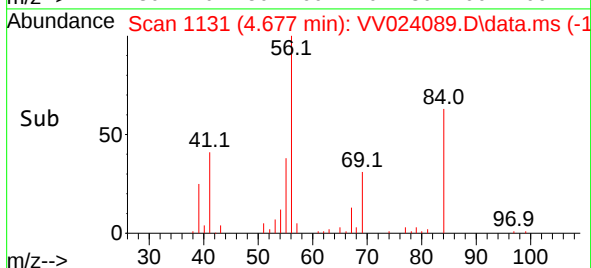
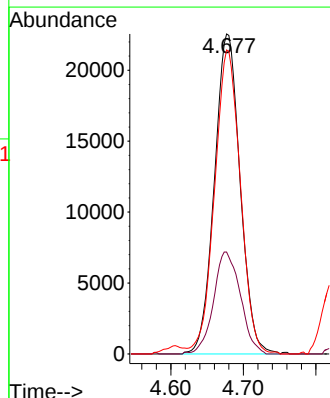
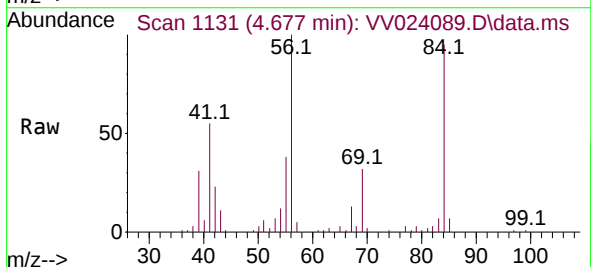
Tgt Ion: 56 Resp: 55475

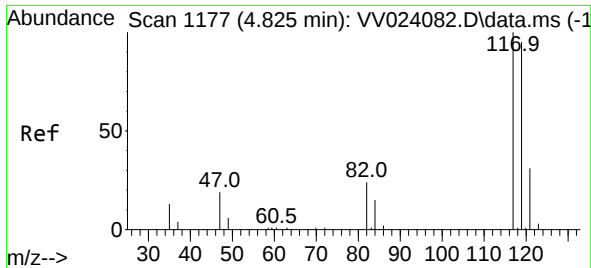
Ion Ratio Lower Upper

56 100

69 33.3 24.8 37.2

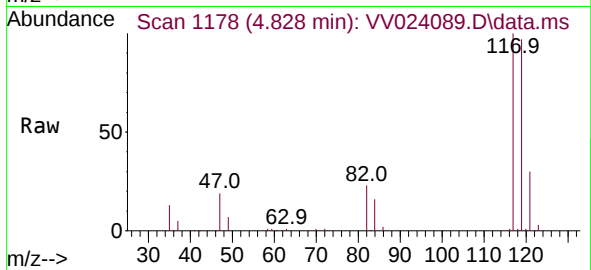
84 94.3 75.9 113.9



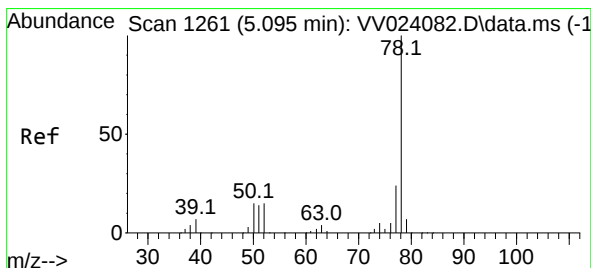
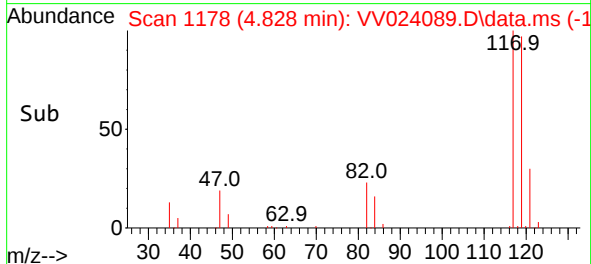
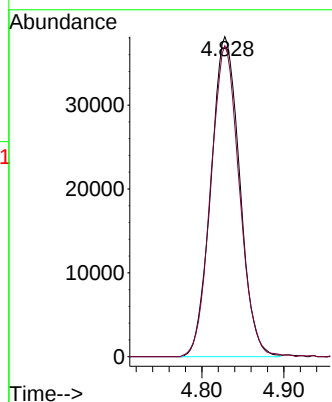


#31
Carbon tetrachloride
Concen: 6.978 ug/L
RT: 4.828 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

Instrument :
MSVOA_V
ClientSampleId :

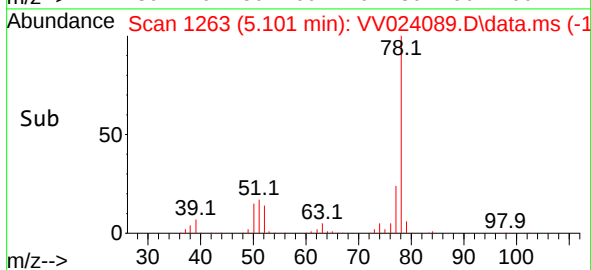
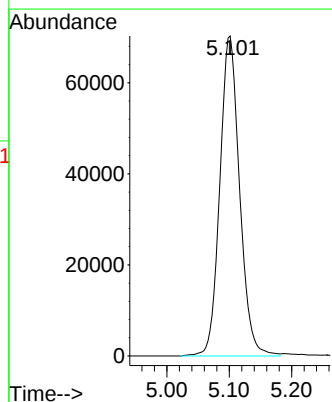
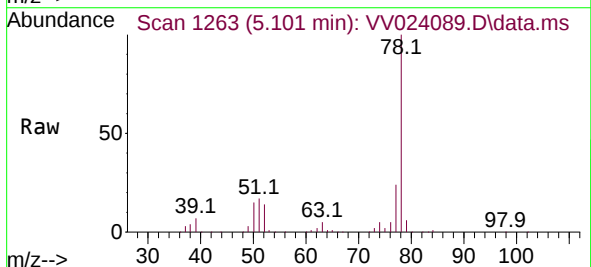


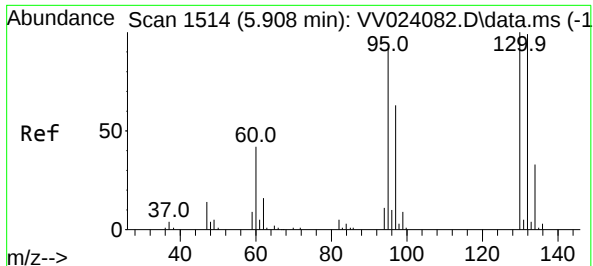
Tgt Ion:117 Resp: 92515
Ion Ratio Lower Upper
117 100
119 97.0 76.6 114.8



#33
Benzene
Concen: 5.076 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

Tgt Ion: 78 Resp: 154810

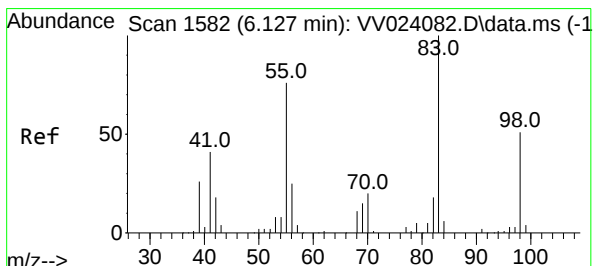
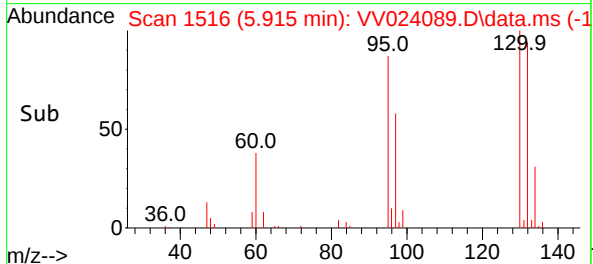
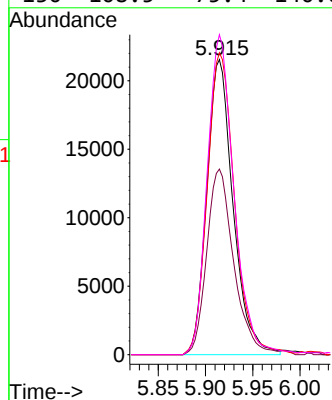
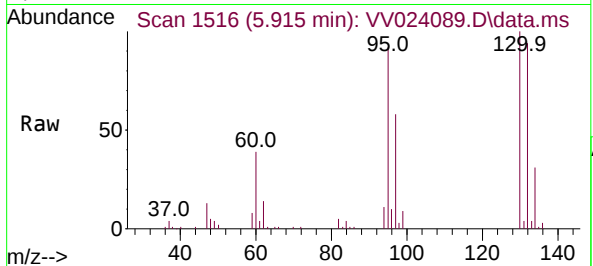




#34
Trichloroethene
Concen: 4.857 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

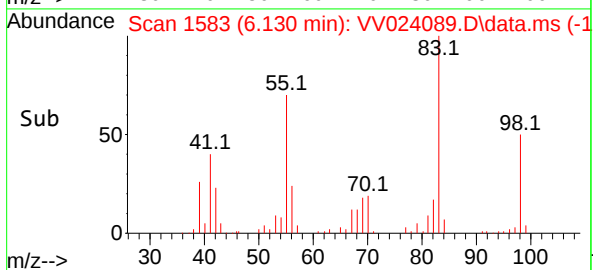
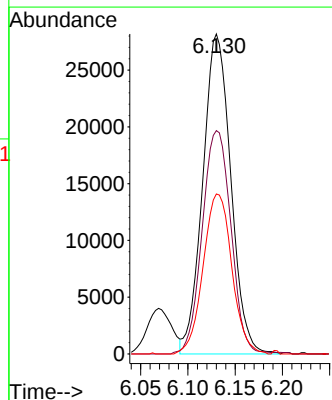
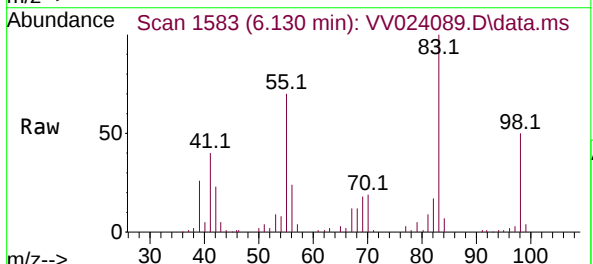
Instrument :
MSVOA_V
ClientSampleId :

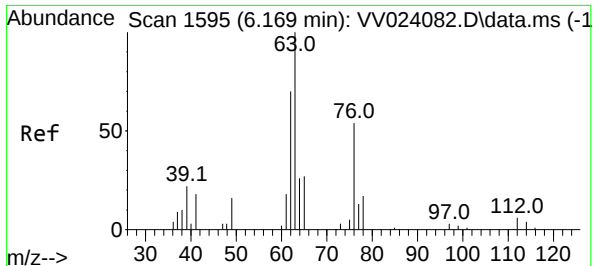
Tgt Ion: 95 Resp: 41779
Ion Ratio Lower Upper
95 100
97 62.9 45.2 84.0
132 102.3 76.1 141.3
130 108.5 75.4 140.0



#35
Methylcyclohexane
Concen: 4.602 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

Tgt Ion: 83 Resp: 58257
Ion Ratio Lower Upper
83 100
55 71.4 60.2 90.2
98 51.1 41.0 61.4





#37

1,2-Dichloropropane

Concen: 5.247 ug/L

RT: 6.172 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV024089.D

Acq: 19 Dec 2021 15:28

Instrument :

MSVOA_V

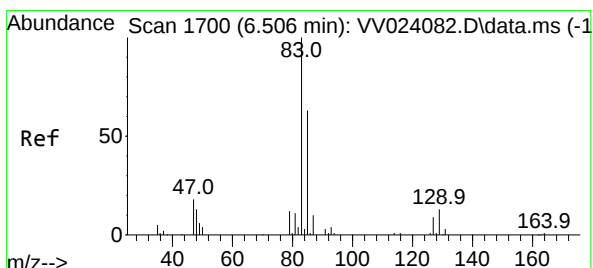
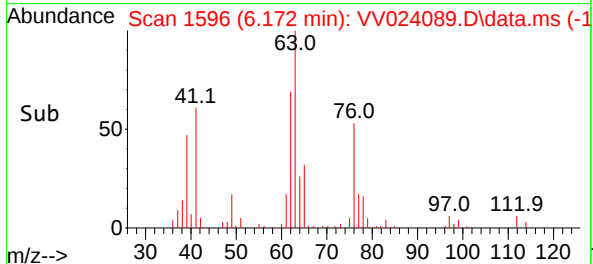
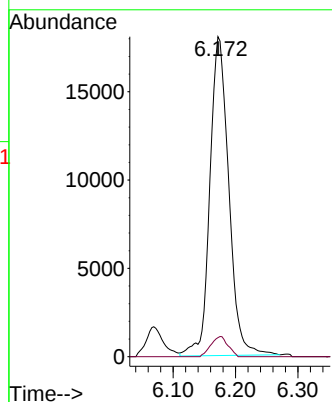
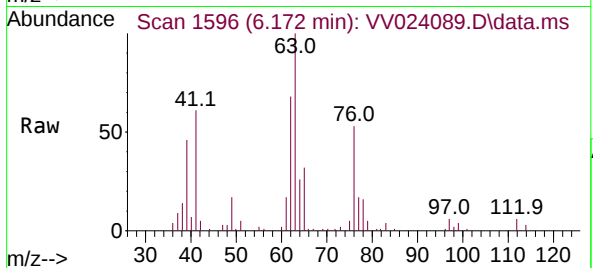
ClientSampleId :

Tgt Ion: 63 Resp: 38033

Ion Ratio Lower Upper

63 100

112 5.7 4.3 6.5



#38

Bromodichloromethane

Concen: 5.231 ug/L

RT: 6.509 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV024089.D

Acq: 19 Dec 2021 15:28

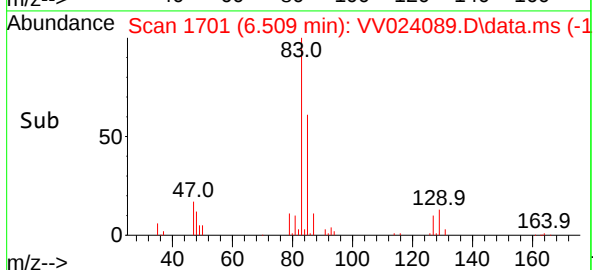
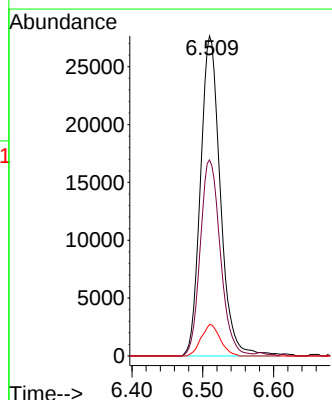
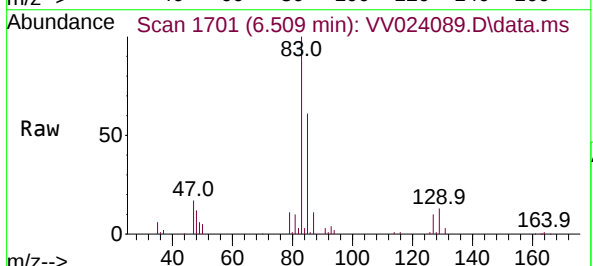
Tgt Ion: 83 Resp: 53709

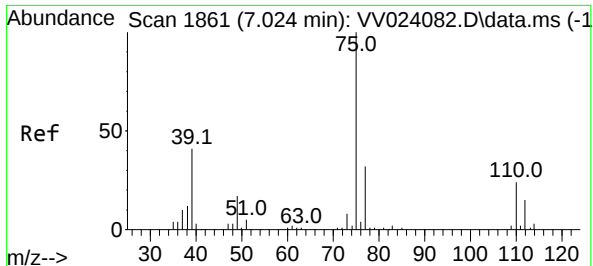
Ion Ratio Lower Upper

83 100

85 61.2 44.0 81.8

127 9.8 8.6 12.8





#39

cis-1,3-Dichloropropene

Concen: 4.752 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.003 min

Lab File: VV024089.D

Acq: 19 Dec 2021 15:28

Instrument :

MSVOA_V

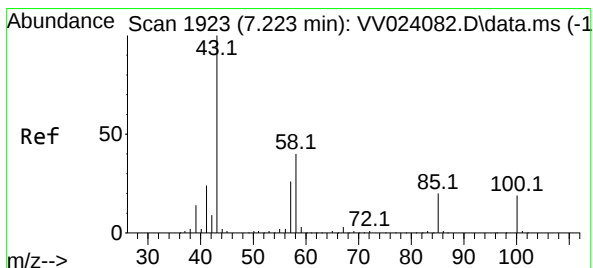
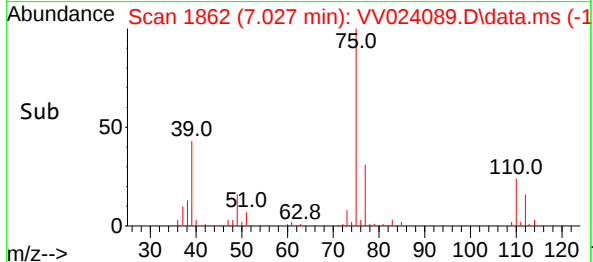
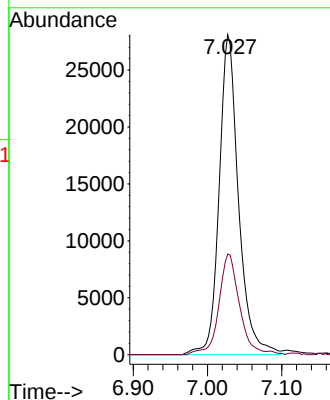
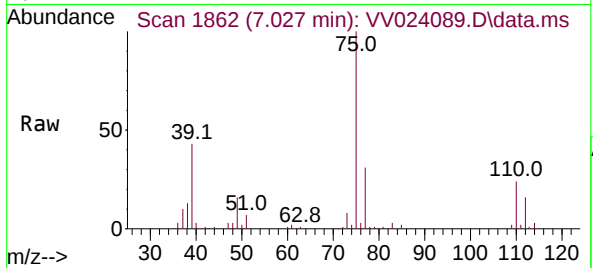
ClientSampleId :

Tgt Ion: 75 Resp: 51127

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 55.668 ug/L

RT: 7.226 min Scan# 1924

Delta R.T. 0.003 min

Lab File: VV024089.D

Acq: 19 Dec 2021 15:28

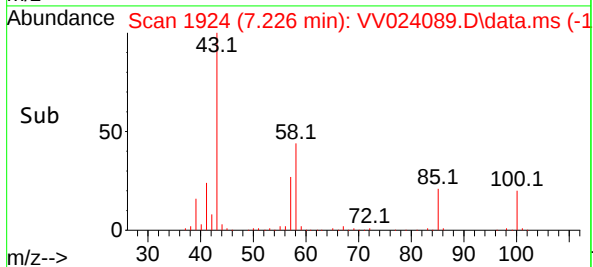
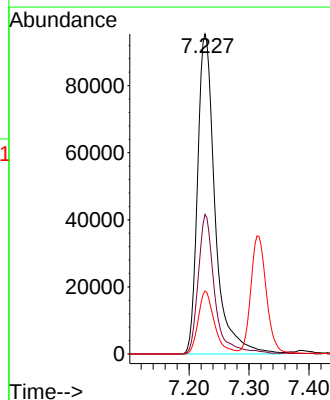
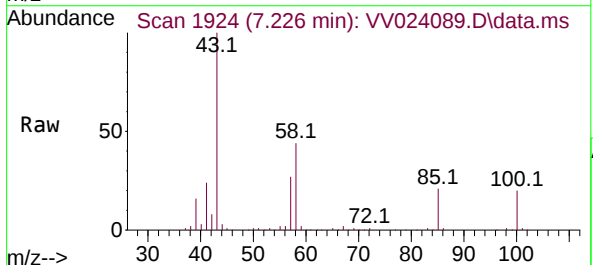
Tgt Ion: 43 Resp: 193827

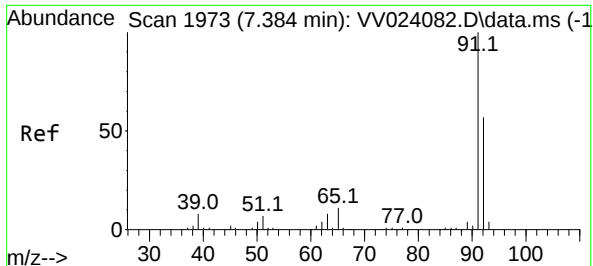
Ion Ratio Lower Upper

43 100

58 41.3 32.3 48.5

100 18.4 13.0 19.6





#42

Toluene

Concen: 5.138 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV024089.D

Acq: 19 Dec 2021 15:28

Instrument :

MSVOA_V

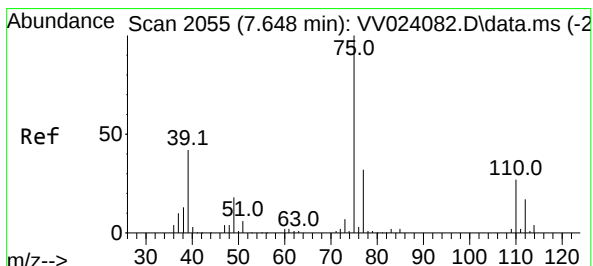
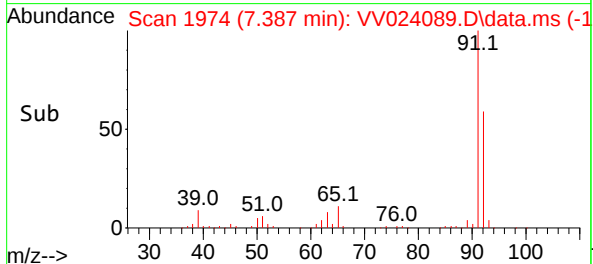
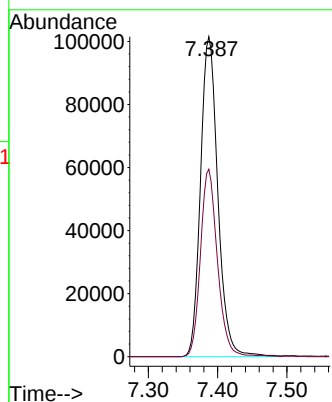
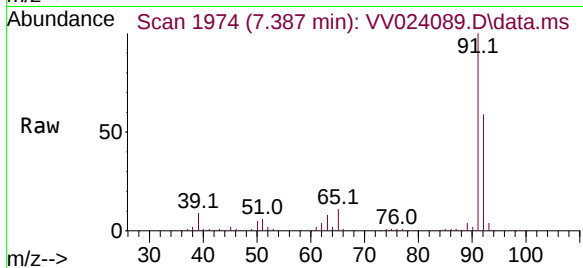
ClientSampleId :

Tgt Ion: 91 Resp: 176349

Ion Ratio Lower Upper

91 100

92 58.6 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 4.834 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VV024089.D

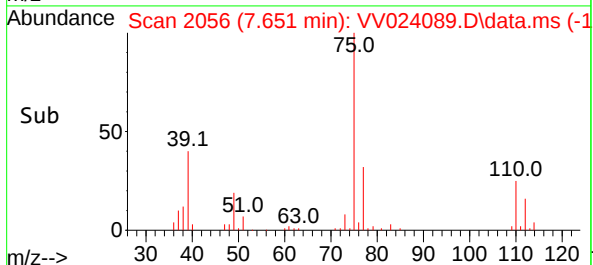
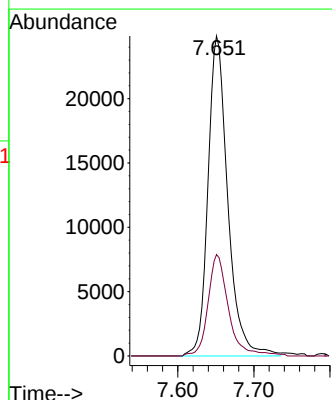
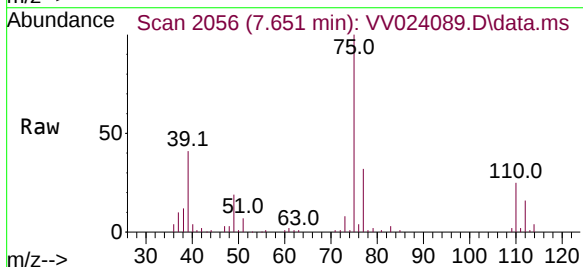
Acq: 19 Dec 2021 15:28

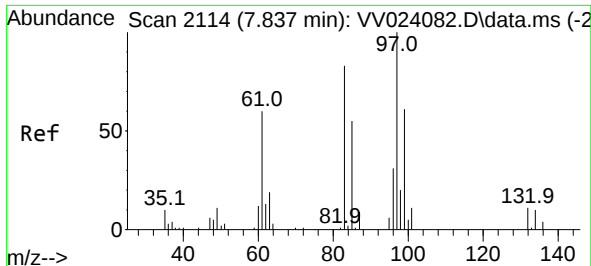
Tgt Ion: 75 Resp: 44956

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.4

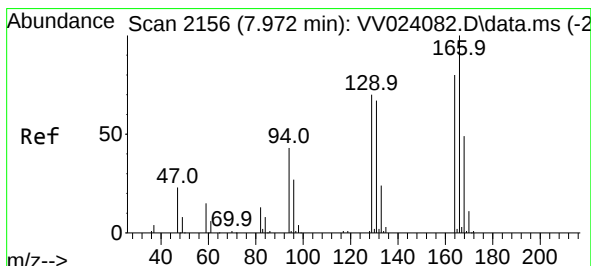
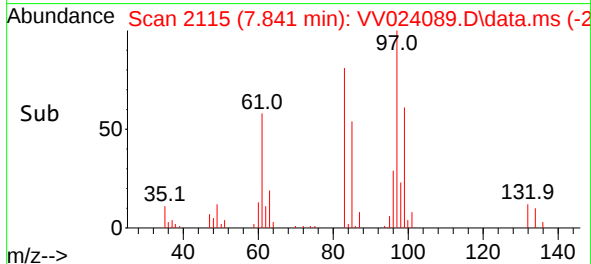
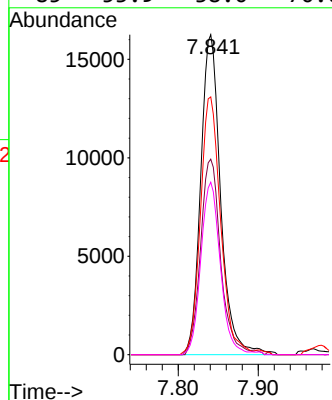
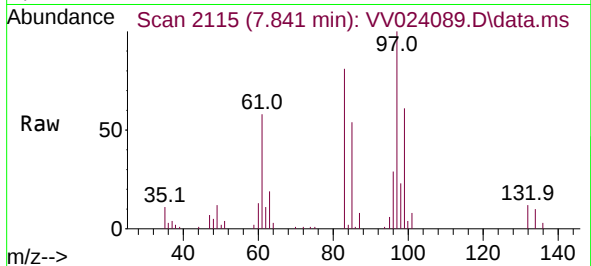




#45
1,1,2-Trichloroethane
Concen: 5.271 ug/L
RT: 7.841 min Scan# 2114
Delta R.T. 0.003 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

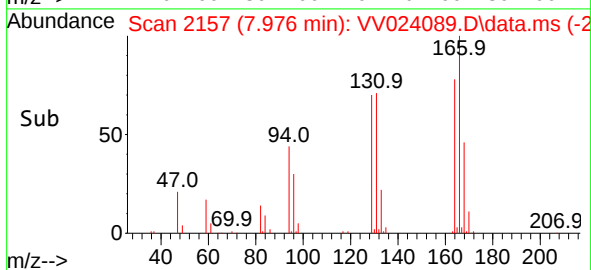
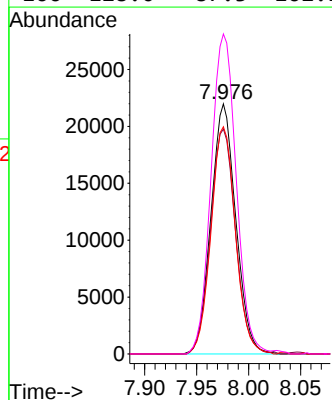
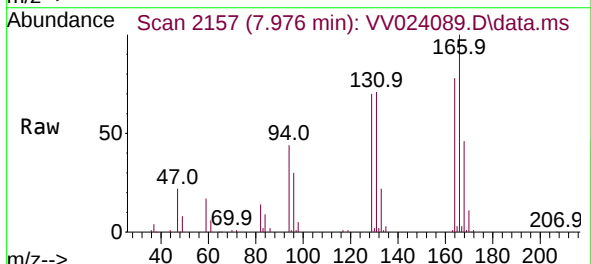
Instrument :
MSVOA_V
ClientSampleId :

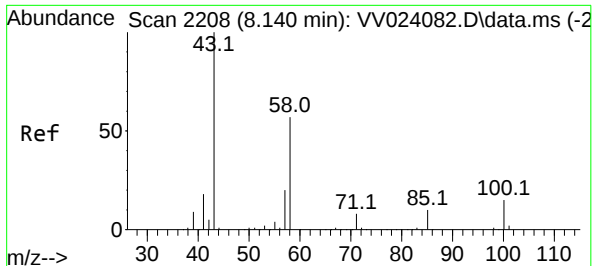
Tgt Ion: 97	Resp: 28265
Ion Ratio	Lower Upper
97 100	
99 61.1	43.1 80.1
83 80.6	57.9 107.5
85 53.9	38.0 70.6



#47
Tetrachloroethene
Concen: 4.821 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

Tgt	Ion:164	Resp:	36506
Ion	Ratio	Lower	Upper
164	100		
129	90.0	62.6	116.2
131	90.9	61.0	113.4
166	128.0	87.3	162.1

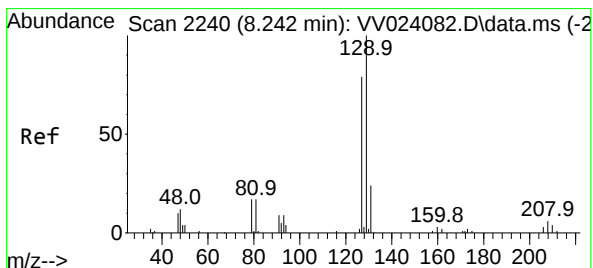
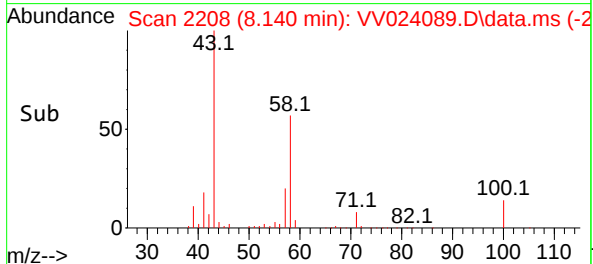
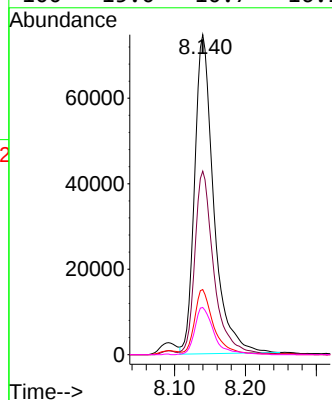
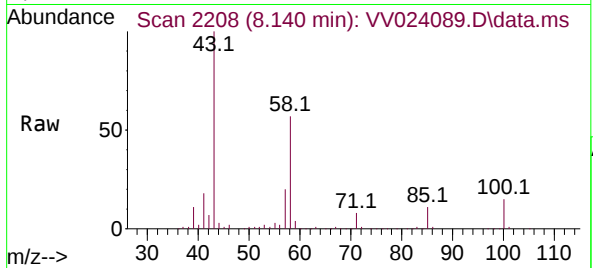




#48
2-Hexanone
Concen: 55.395 ug/L
RT: 8.140 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

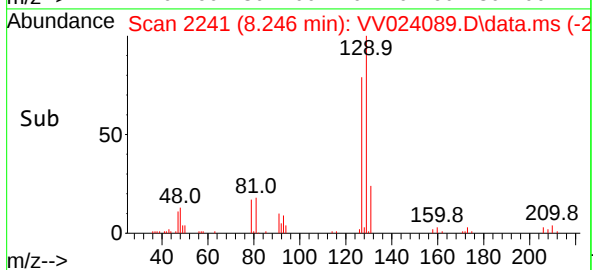
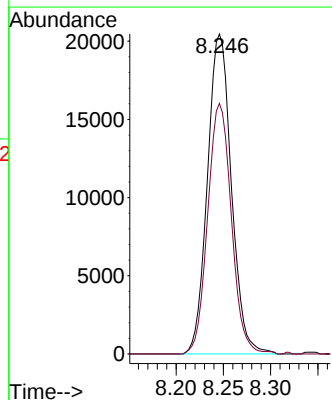
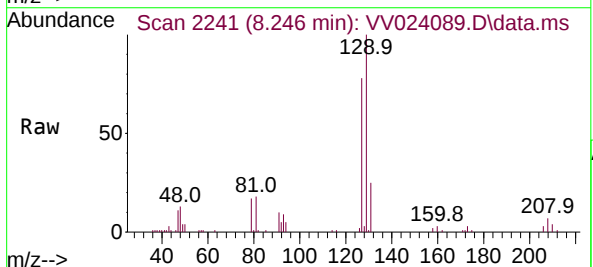
Instrument :
MSVOA_V
ClientSampleId :

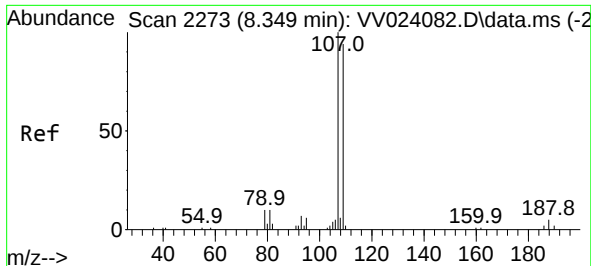
Tgt Ion: 43 Resp: 139852
Ion Ratio Lower Upper
43 100
58 56.2 44.5 66.7
57 19.9 15.1 22.7
100 15.0 10.7 16.1



#49
Dibromochloromethane
Concen: 4.949 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.003 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

Tgt Ion:129 Resp: 36106
Ion Ratio Lower Upper
129 100
127 78.3 53.5 99.3





#50

1,2-Dibromoethane

Concen: 5.044 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV024089.D

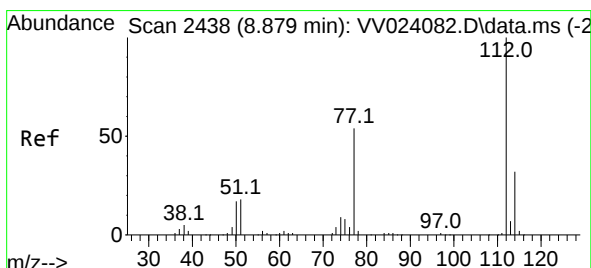
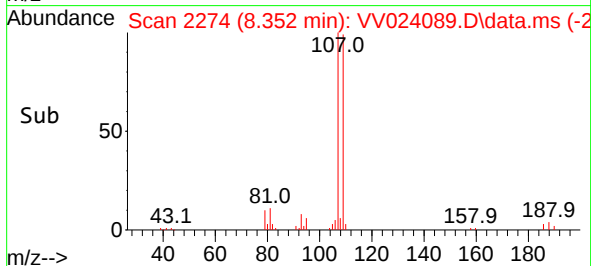
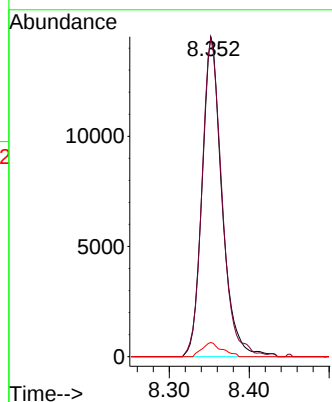
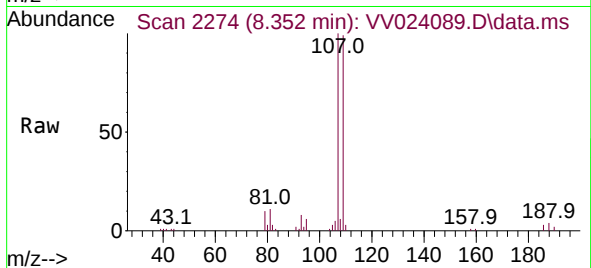
Acq: 19 Dec 2021 15:28

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	25110
Ion	Ratio	Lower Upper
107	100	
109	99.5	62.5 116.1
188	4.4	3.4 5.2



#51

Chlorobenzene

Concen: 4.948 ug/L

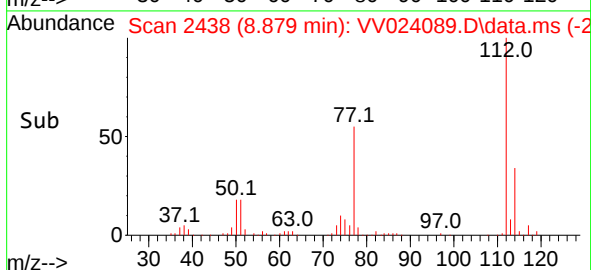
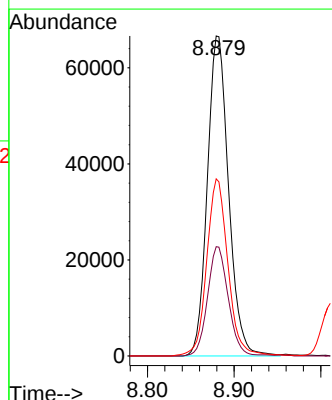
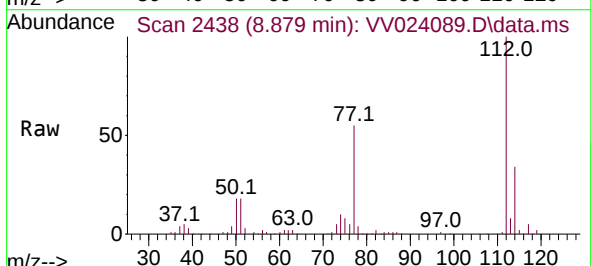
RT: 8.879 min Scan# 2438

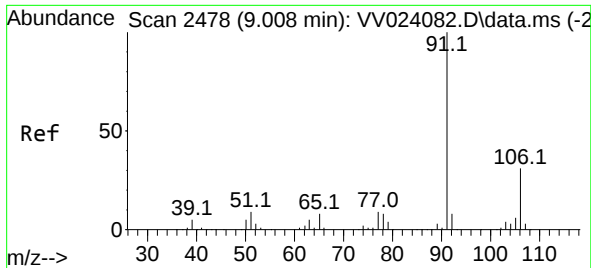
Delta R.T. 0.000 min

Lab File: VV024089.D

Acq: 19 Dec 2021 15:28

Tgt Ion:112	Resp:	113509
Ion	Ratio	Lower Upper
112	100	
114	34.1	23.3 43.3
77	55.4	43.3 64.9

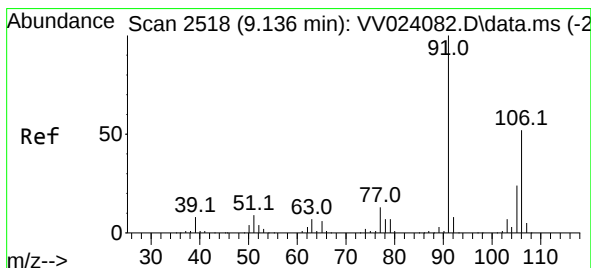
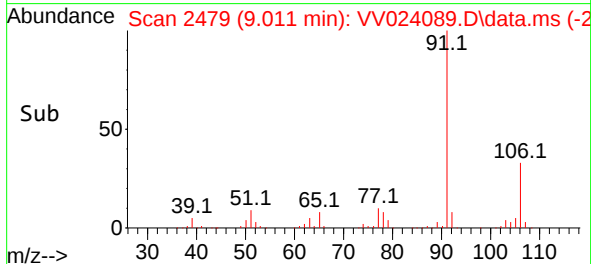
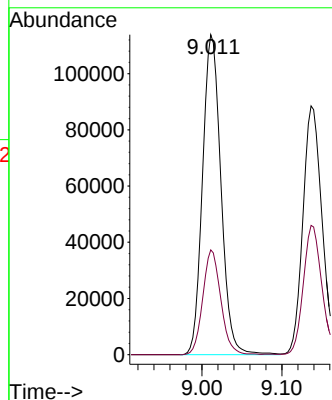
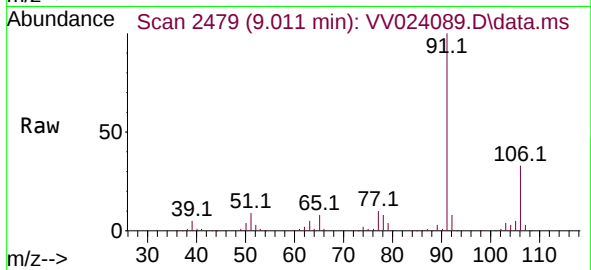




#52
Ethylbenzene
Concen: 5.048 ug/L
RT: 9.011 min Scan# 2478
Delta R.T. 0.003 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

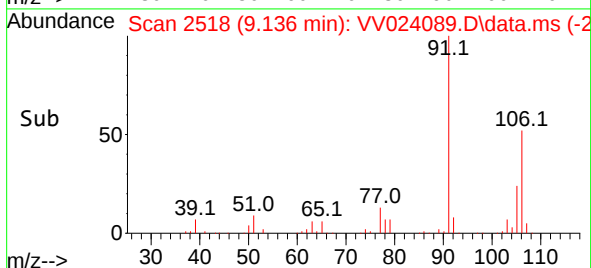
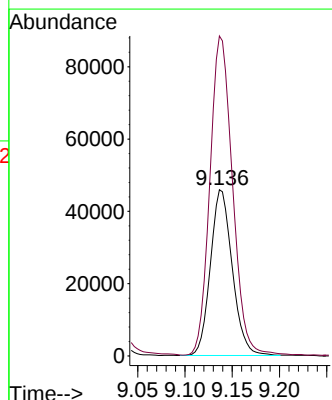
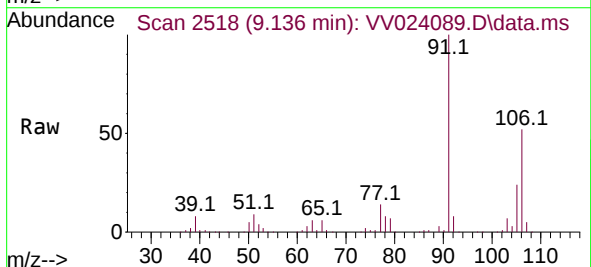
Instrument :
MSVOA_V
ClientSampleId :

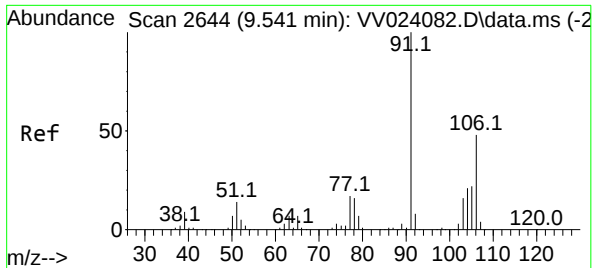
Tgt Ion: 91 Resp: 182790
Ion Ratio Lower Upper
91 100
106 32.8 22.0 41.0



#53
m,p-xylene
Concen: 5.156 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

Tgt Ion:106 Resp: 73844
Ion Ratio Lower Upper
106 100
91 192.5 139.5 259.1

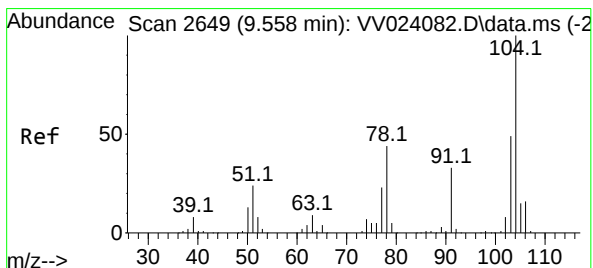
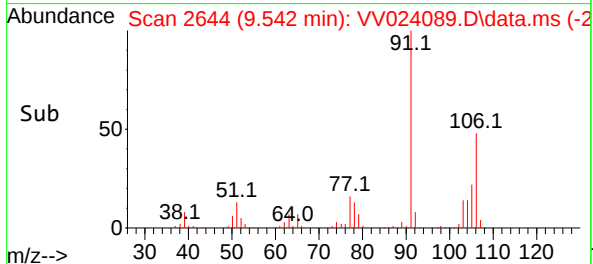
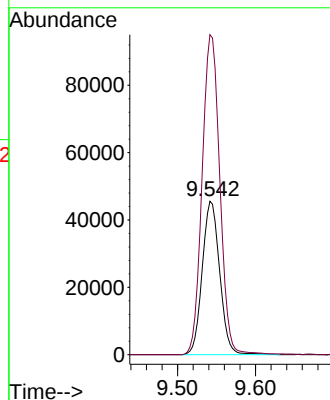
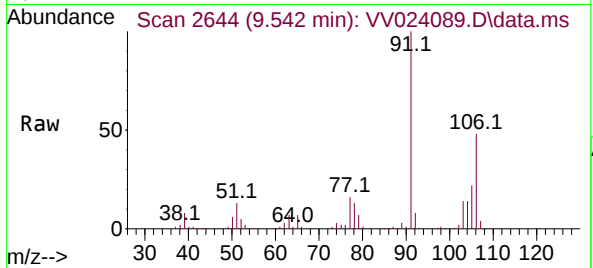




#54
o-xylene
Concen: 5.116 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

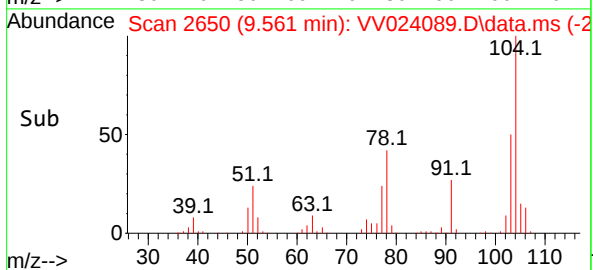
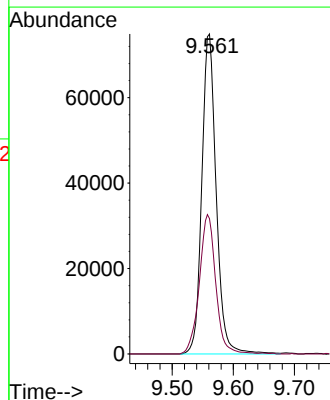
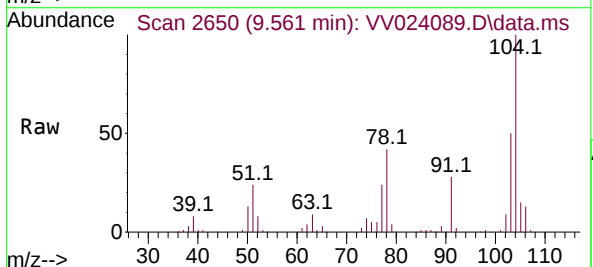
Instrument :
MSVOA_V
ClientSampleId :

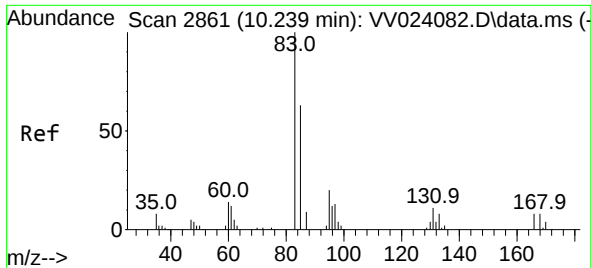
Tgt Ion:106 Resp: 70848
Ion Ratio Lower Upper
106 100
91 208.6 147.9 274.7



#55
Styrene
Concen: 5.315 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

Tgt Ion:104 Resp: 122534
Ion Ratio Lower Upper
104 100
78 42.3 31.0 57.6

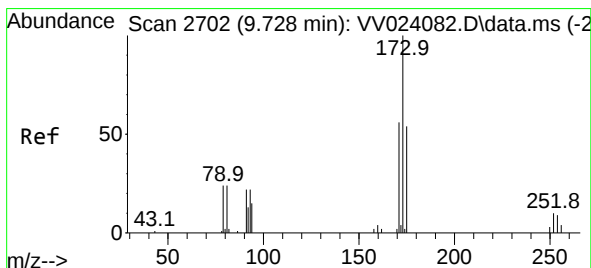
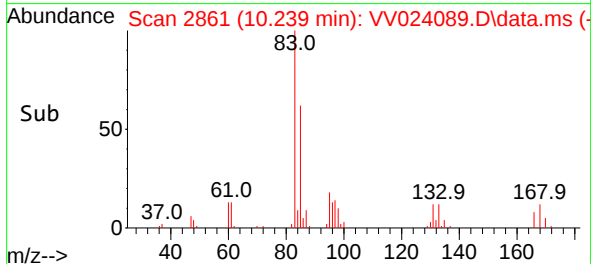
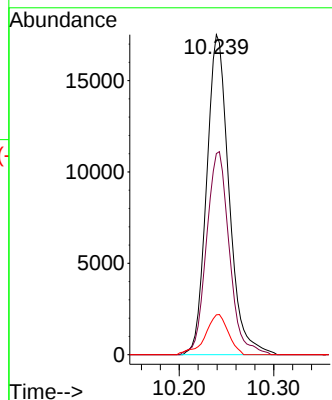
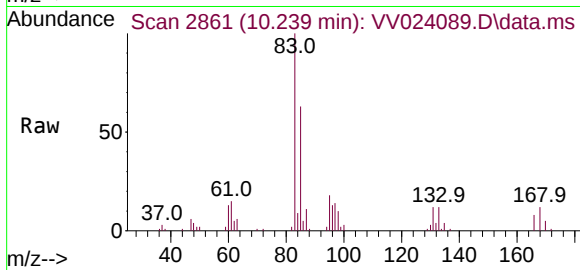




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.895 ug/L
 RT: 10.239 min Scan# 2861
 Delta R.T. 0.000 min
 Lab File: VV024089.D
 Acq: 19 Dec 2021 15:28

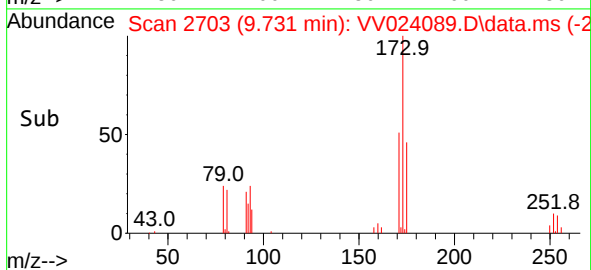
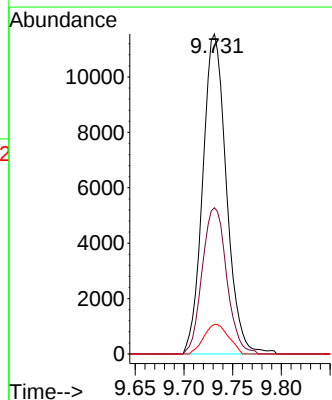
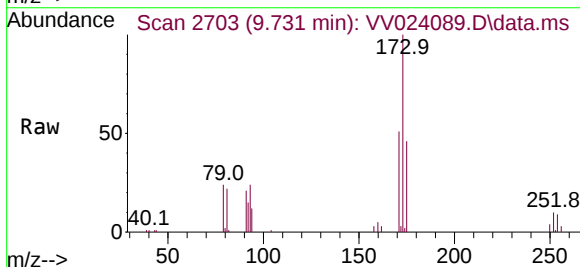
Instrument :
 MSVOA_V
 ClientSampleId :

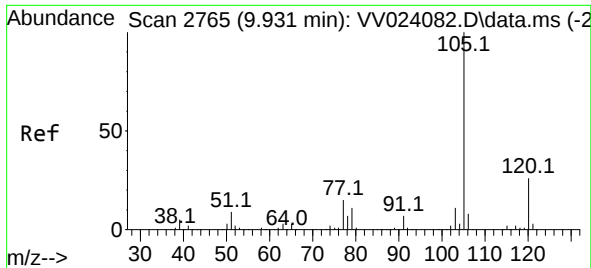
Tgt Ion: 83 Resp: 28742
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.6 82.8
 131 12.5 8.3 12.5



#59
 Bromoform
 Concen: 4.756 ug/L
 RT: 9.731 min Scan# 2703
 Delta R.T. 0.003 min
 Lab File: VV024089.D
 Acq: 19 Dec 2021 15:28

Tgt Ion: 173 Resp: 19533
 Ion Ratio Lower Upper
 173 100
 175 47.2 39.4 59.2
 254 9.6 7.4 11.0

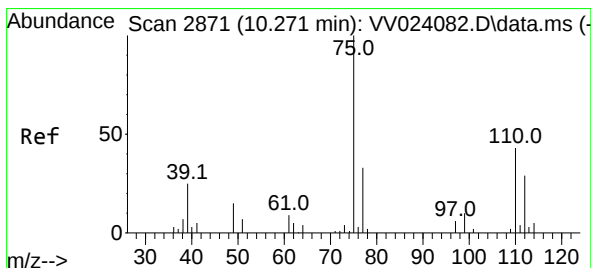
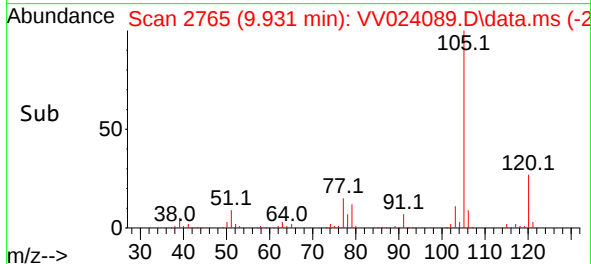
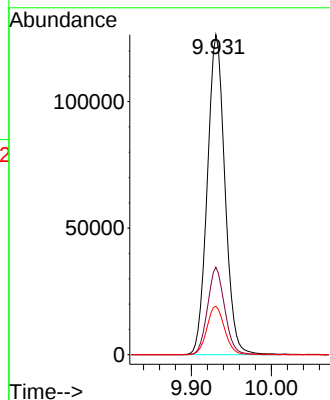
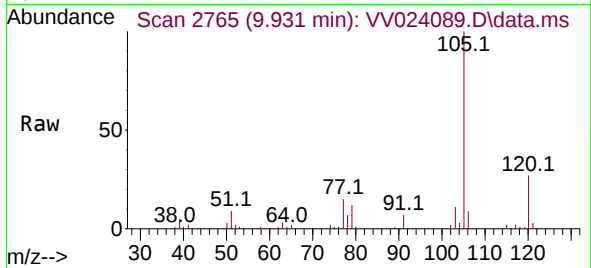




#60
Isopropylbenzene
Concen: 5.158 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

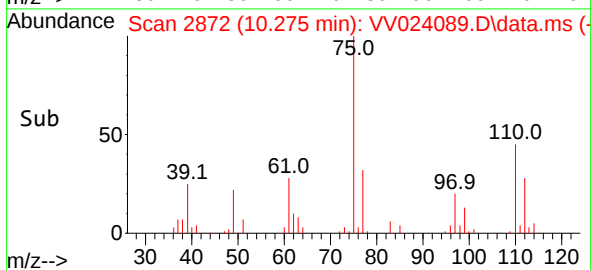
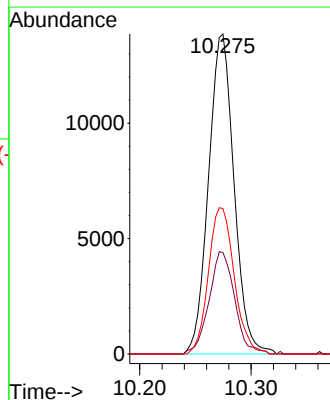
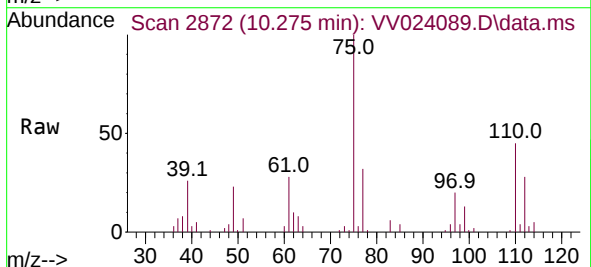
Instrument :
MSVOA_V
ClientSampleId :

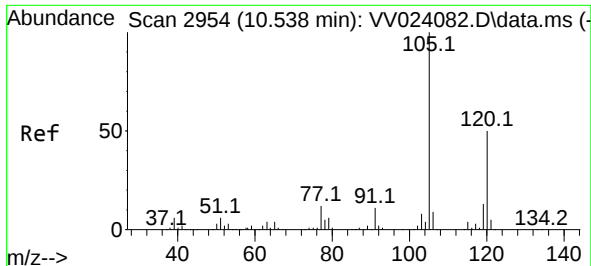
Tgt Ion:105 Resp: 193790
Ion Ratio Lower Upper
105 100
120 26.6 21.4 32.0
77 15.3 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 5.056 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

Tgt Ion: 75 Resp: 22041
Ion Ratio Lower Upper
75 100
77 32.1 26.4 39.6
110 46.3 34.2 51.2





#62

1,3,5-Trimethylbenzene

Concen: 5.067 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV024089.D

Acq: 19 Dec 2021 15:28

Instrument :

MSVOA_V

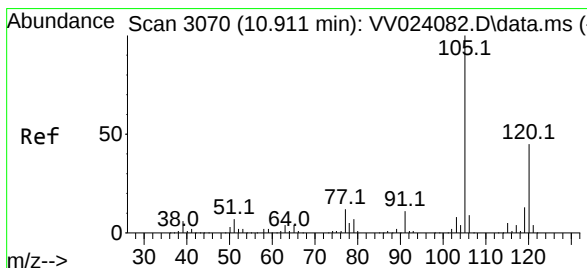
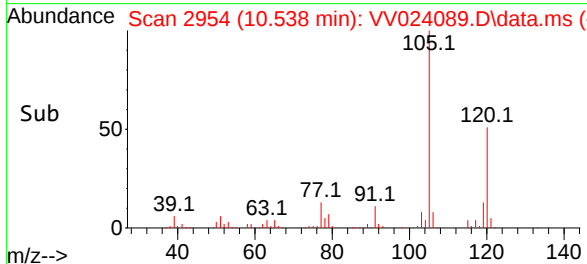
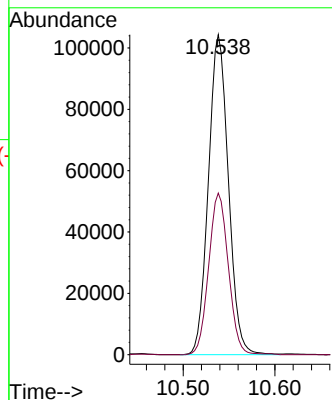
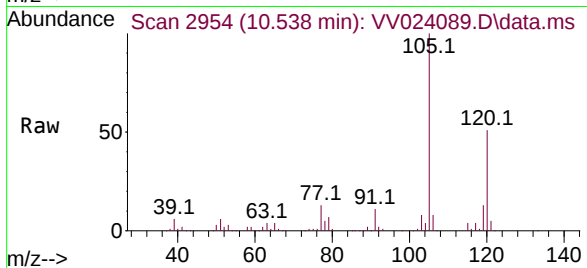
ClientSampleId :

Tgt Ion:105 Resp: 157912

Ion Ratio Lower Upper

105 100

120 49.7 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 5.132 ug/L

RT: 10.914 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV024089.D

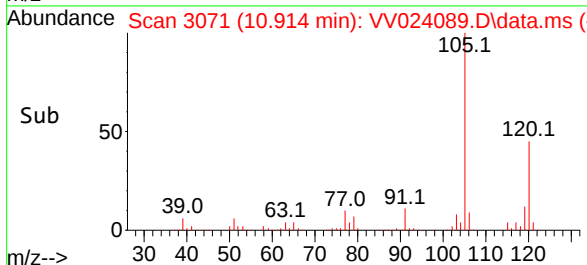
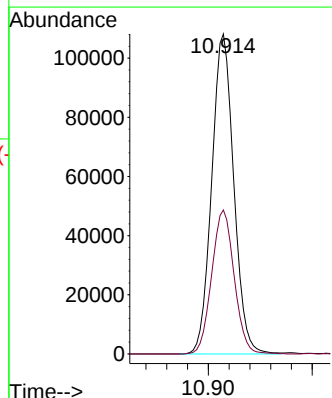
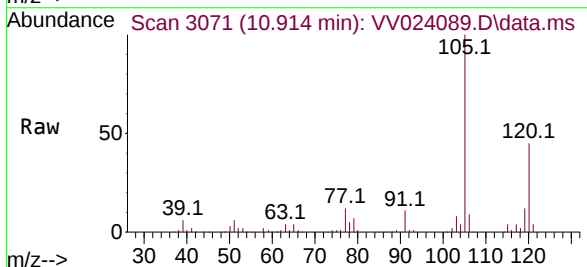
Acq: 19 Dec 2021 15:28

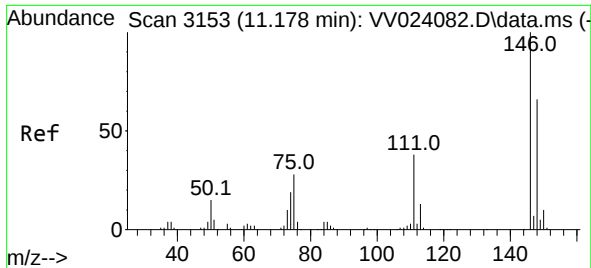
Tgt Ion:105 Resp: 159333

Ion Ratio Lower Upper

105 100

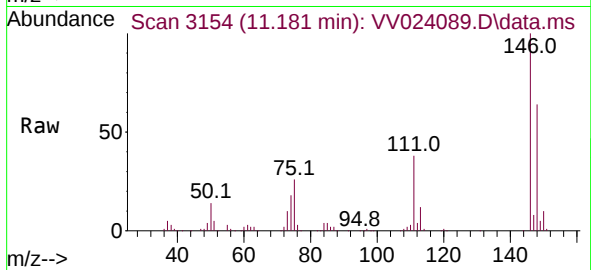
120 45.8 36.7 55.1



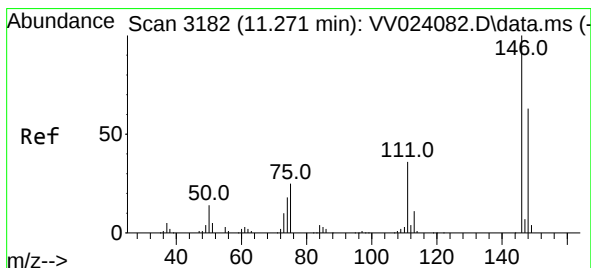
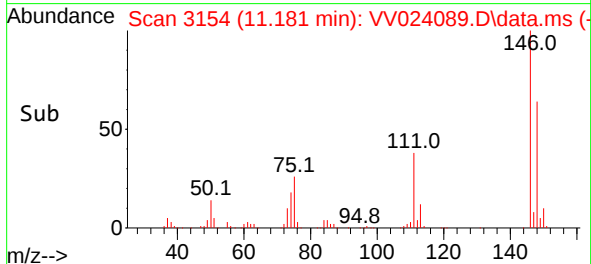
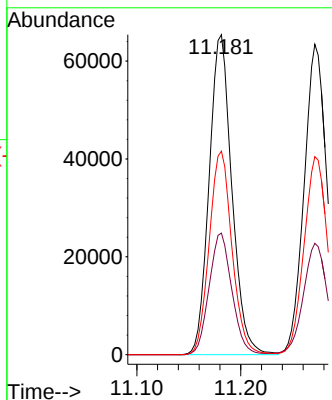


#64
1,3-Dichlorobenzene
Concen: 5.176 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

Instrument :
MSVOA_V
ClientSampleId :

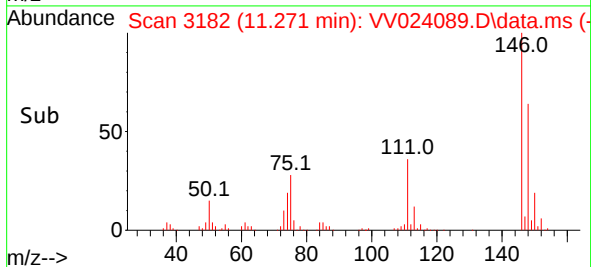
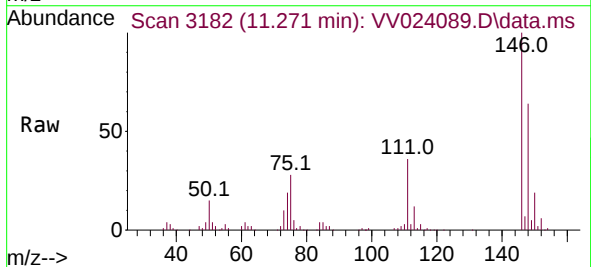
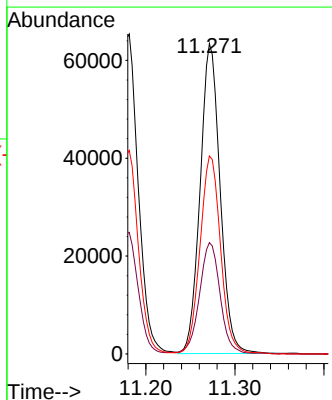


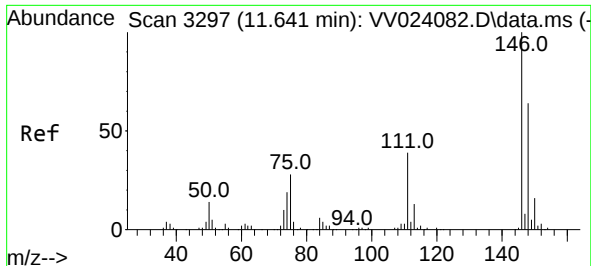
Tgt Ion:146 Resp: 99446
Ion Ratio Lower Upper
146 100
111 38.0 26.3 48.9
148 63.6 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 5.114 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

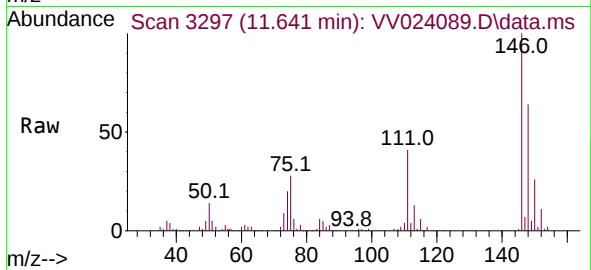
Tgt Ion:146 Resp: 98698
Ion Ratio Lower Upper
146 100
111 35.9 25.6 47.6
148 63.8 44.8 83.2



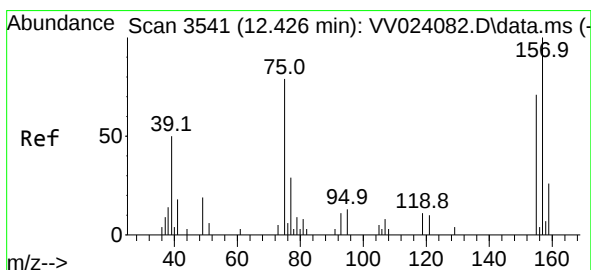
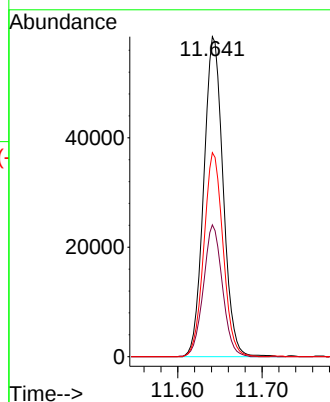
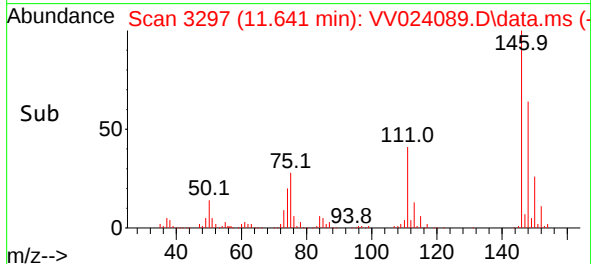


#67
1,2-Dichlorobenzene
Concen: 5.306 ug/L
RT: 11.641 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

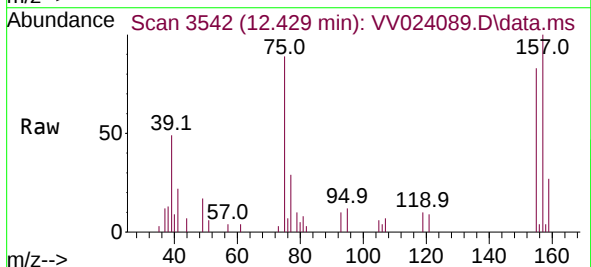
Instrument :
MSVOA_V
ClientSampleId :



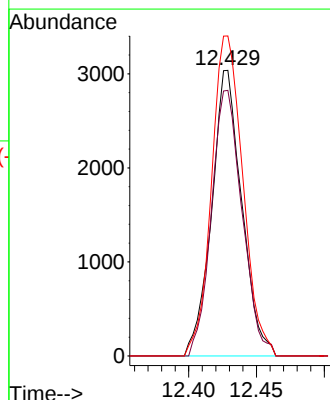
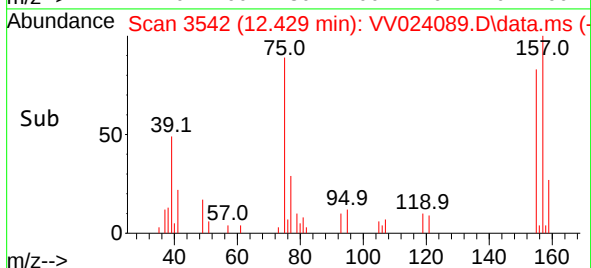
Tgt Ion:146 Resp: 93396
Ion Ratio Lower Upper
146 100
111 41.2 31.9 47.9
148 63.7 50.5 75.7

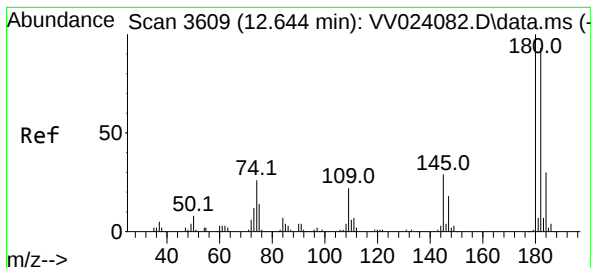


#68
1,2-Dibromo-3-chloropropane
Concen: 4.929 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. 0.003 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28



Tgt Ion: 75 Resp: 4693
Ion Ratio Lower Upper
75 100
155 93.0 71.7 107.5
157 112.0 103.3 154.9





#69

1,3,5-Trichlorobenzene

Concen: 4.934 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. 0.000 min

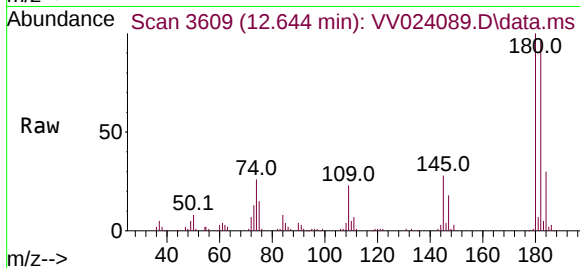
Lab File: VV024089.D

Acq: 19 Dec 2021 15:28

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 77970

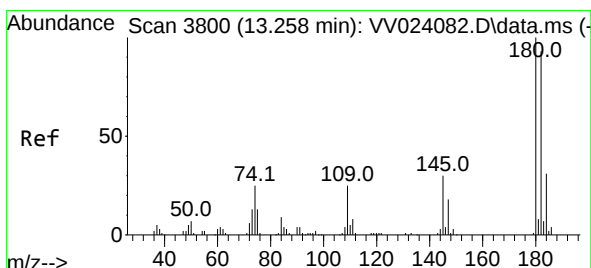
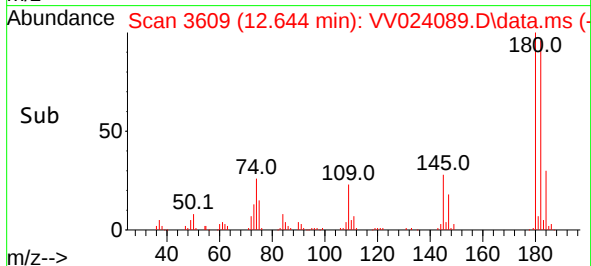
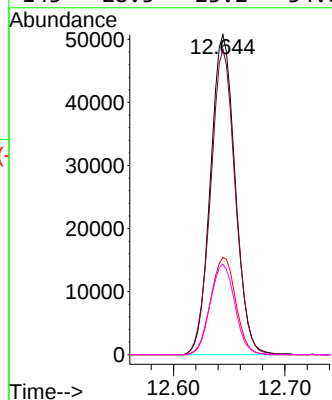
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

184 30.7 24.2 36.4

145 28.5 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 4.803 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.003 min

Lab File: VV024089.D

Acq: 19 Dec 2021 15:28

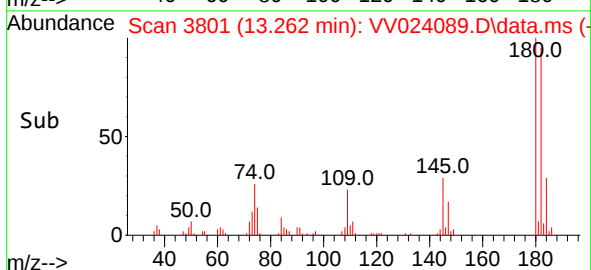
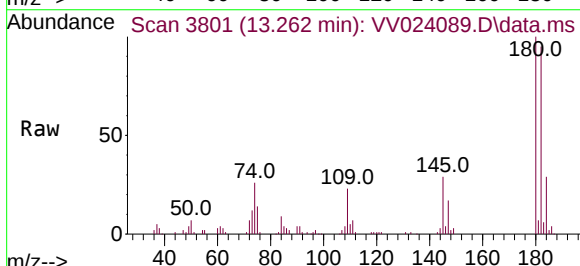
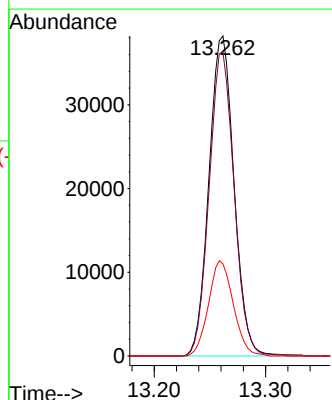
Tgt Ion:180 Resp: 59615

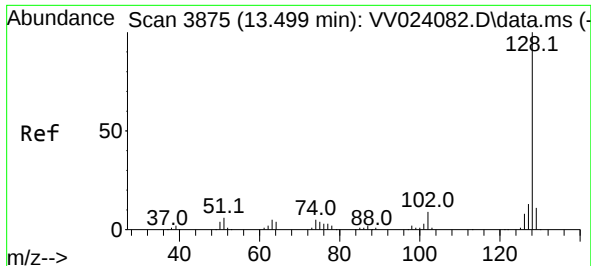
Ion Ratio Lower Upper

180 100

182 94.6 74.4 111.6

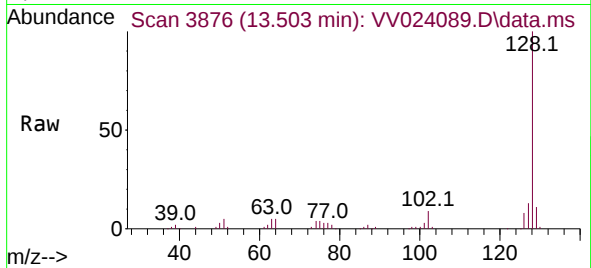
145 29.5 23.3 34.9



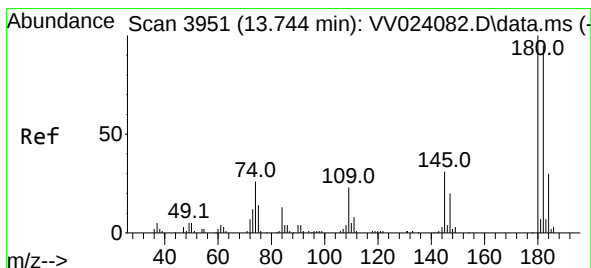
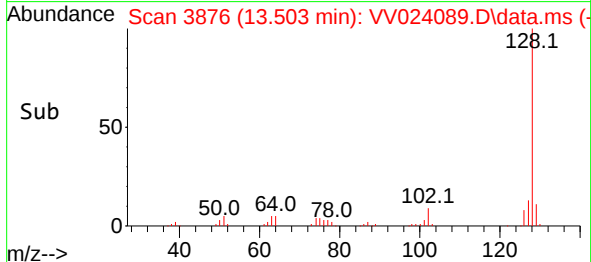
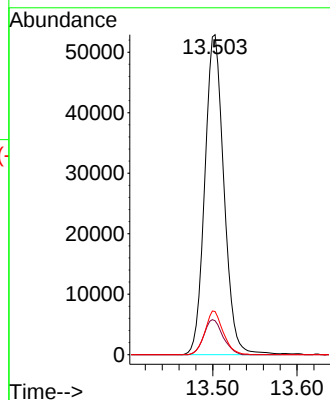


#71
Naphthalene
Concen: 4.685 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.003 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 83585
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 13.0 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.745 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.000 min
Lab File: VV024089.D
Acq: 19 Dec 2021 15:28

Tgt Ion:180 Resp: 52001
Ion Ratio Lower Upper
180 100
182 98.4 76.8 115.2
145 32.2 25.8 38.6

