

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011624\
 Data File : VW033656.D
 Acq On : 16 Jan 2024 08:53
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 17 00:06:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 16 03:40:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	116613	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	107618	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	54300	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	27181	4.262	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.200%
7) Chloroethane-d5	1.536	69	26186	4.630	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.600%
11) 1,1-Dichloroethene-d2	2.063	65	13136	4.571	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.400%
20) 2-Butanone-d5	3.815	46	73884	47.389	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.780%
24) Chloroform-d	4.249	84	67269	4.878	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	4.947	65	29214	4.725	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	4.960	84	120465	4.639	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	5.989	67	37643	4.348	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.000%
41) Toluene-d8	7.243	98	107429	4.634	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
43) trans-1,3-Dichloroprop...	7.555	79	12958	4.329	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.600%
46) 2-Hexanone-d5	8.027	63	54436	46.325	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.660%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	23946	4.734	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.600%
66) 1,2-Dichlorobenzene-d4	11.561	152	39156	4.697	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	56693	5.336	ug/L	98
3) Chloromethane	1.217	50	62005	4.868	ug/L	99
5) Vinyl chloride	1.285	62	63031	5.196	ug/L	99
6) Bromomethane	1.491	94	21697	3.576	ug/L	98
8) Chloroethane	1.552	64	39033	5.298	ug/L	99
9) Trichlorofluoromethane	1.716	101	84314	5.720	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	46892	5.661	ug/L	98
12) 1,1-Dichloroethene	2.073	96	44674	5.435	ug/L	94
13) Acetone	2.140	43	52520	41.495	ug/L	93
14) Carbon disulfide	2.243	76	158972	5.227	ug/L	99
15) Methyl Acetate	2.388	43	14838	4.905	ug/L	95
16) Methylene chloride	2.449	84	49600	5.113	ug/L	99
17) Methyl tert-butyl Ether	2.703	73	94088	5.055	ug/L	99
18) trans-1,2-Dichloroethene	2.696	96	49899	5.374	ug/L	96
19) 1,1-Dichloroethane	3.111	63	96888	5.251	ug/L	97
21) 2-Butanone	3.896	43	75968	43.240	ug/L	96
22) cis-1,2-Dichloroethene	3.815	96	52059	5.354	ug/L	97
23) Bromochloromethane	4.150	128	18456	5.205	ug/L	95
25) Chloroform	4.275	83	91539	5.403	ug/L	98

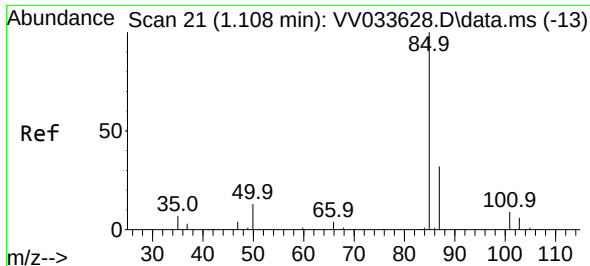
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011624\
 Data File : VW033656.D
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 ALS Vial : 2 Sample Multiplier: 1

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Quant Time: Jan 17 00:06:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 16 03:40:53 2024
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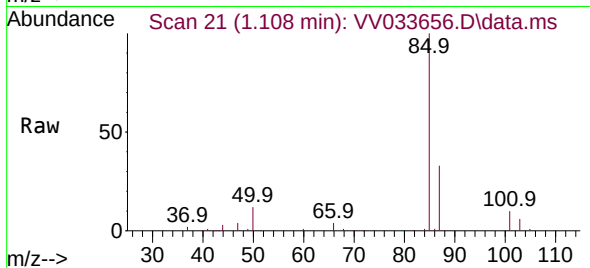
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	51498	5.335	ug/L	99
29) 1,1,1-Trichloroethane	4.513	97	83973	5.503	ug/L	100
30) Cyclohexane	4.584	56	94321	5.157	ug/L	98
31) Carbon tetrachloride	4.735	117	72531	5.575	ug/L	98
33) Benzene	5.011	78	201523	5.275	ug/L	100
34) Trichloroethene	5.834	95	52776	5.189	ug/L	98
35) Methylcyclohexane	6.050	83	91459	5.313	ug/L	98
37) 1,2-Dichloropropane	6.095	63	48846	5.148	ug/L	100
38) Bromodichloromethane	6.432	83	60351	5.218	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	69471	5.127	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	212105	48.627	ug/L	98
42) Toluene	7.313	91	214550	5.309	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	54355	4.977	ug/L	97
45) 1,1,2-Trichloroethane	7.770	97	26366	5.002	ug/L	96
47) Tetrachloroethene	7.905	164	40313	5.517	ug/L	98
48) 2-Hexanone	8.079	43	140101	43.844	ug/L	97
49) Dibromochloromethane	8.175	129	34020	5.183	ug/L	99
50) 1,2-Dibromoethane	8.284	107	25432	5.227	ug/L	98
51) Chlorobenzene	8.812	112	130937	5.290	ug/L	98
52) Ethylbenzene	8.944	91	248936	5.314	ug/L	99
53) m,p-Xylene	9.072	106	89497	5.186	ug/L	96
54) o-Xylene	9.477	106	88997	5.299	ug/L	100
55) Styrene	9.497	104	141371	5.282	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	29252	5.056	ug/L	97
59) Bromoform	9.667	173	16883	5.152	ug/L	99
60) Isopropylbenzene	9.866	105	231348	5.385	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	22160	5.091	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	201717	5.434	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	206819	5.519	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	101974	5.367	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	97016	5.215	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	85307	5.166	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.365	75	4646	4.857	ug/L	93
69) 1,3,5-Trichlorobenzene	12.583	180	79289	5.375	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	58390	4.751	ug/L	100
71) Naphthalene	13.442	128	64652	3.152	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	43862	4.450	ug/L	98

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

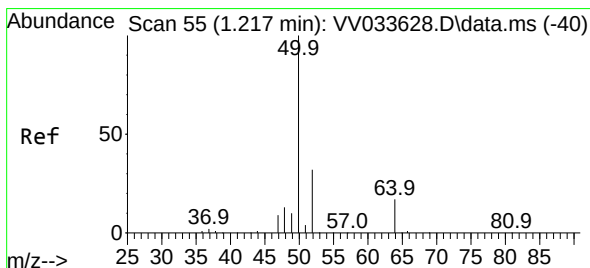
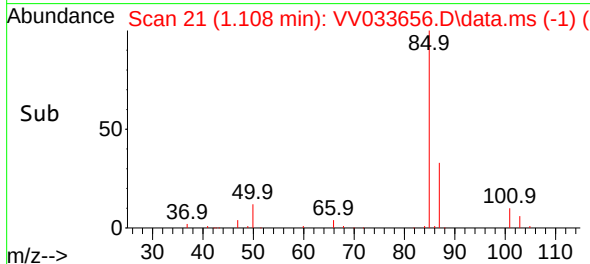
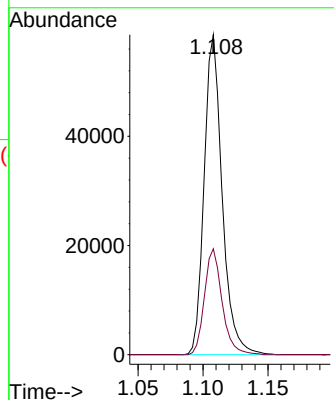


#2
Dichlorodifluoromethane
Concen: 5.336 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

Instrument :
MSVOA_V
ClientSampleId :

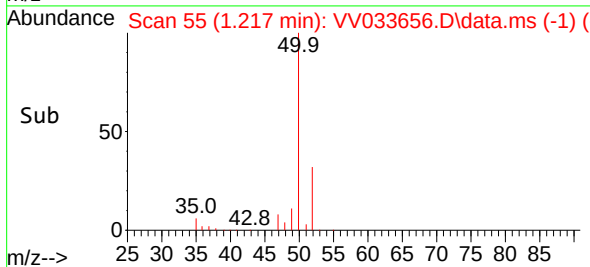
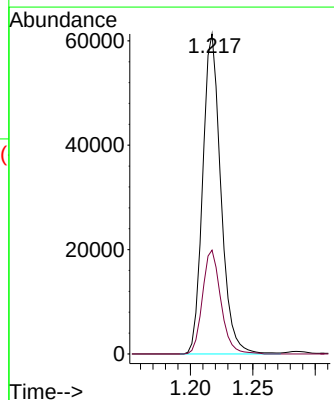
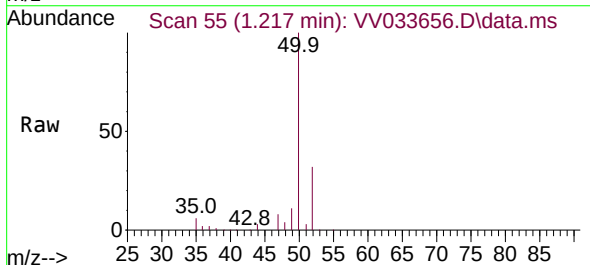


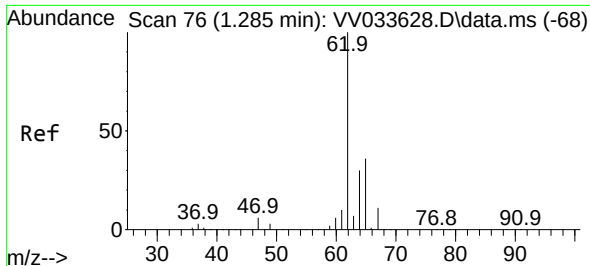
Tgt Ion: 85 Resp: 56693
Ion Ratio Lower Upper
85 100
87 32.4 25.2 37.8



#3
Chloromethane
Concen: 4.868 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

Tgt Ion: 50 Resp: 62005
Ion Ratio Lower Upper
50 100
52 32.4 23.1 42.9

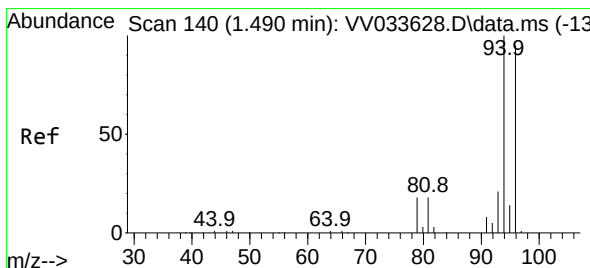
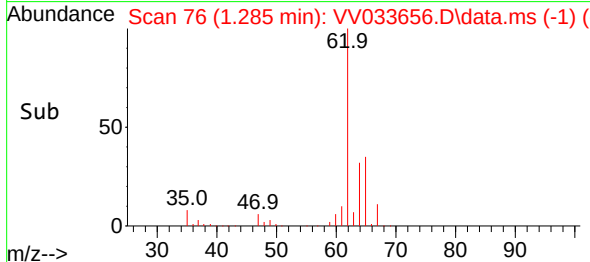
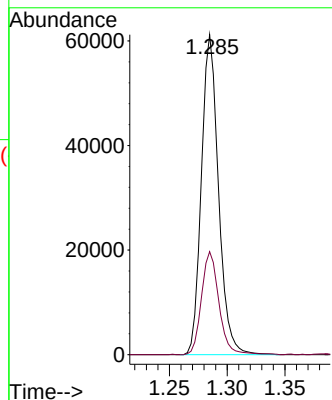
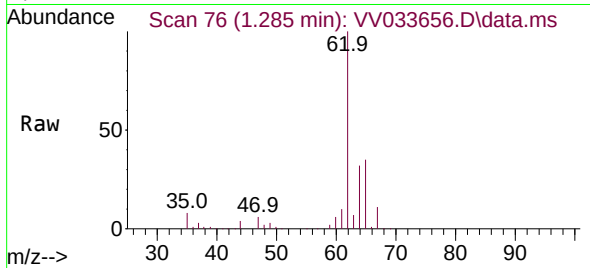




#5
 Vinyl chloride
 Concen: 5.196 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VV033656.D
 Acq: 16 Jan 2024 08:53

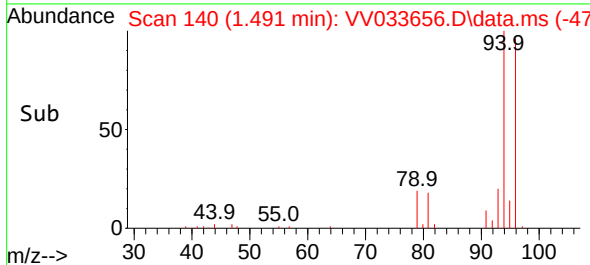
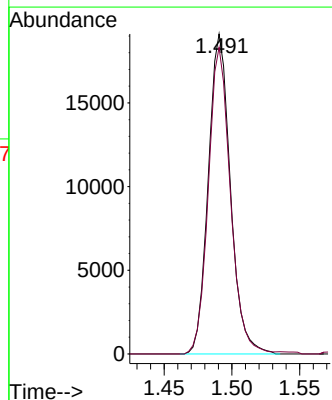
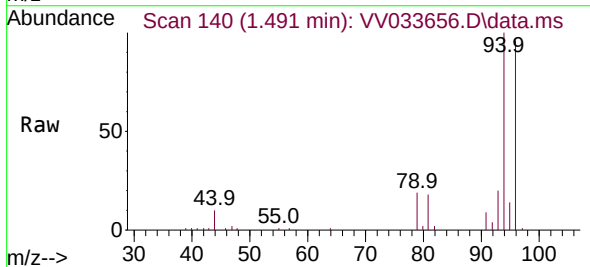
Instrument :
 MSVOA_V
 ClientSampleId :

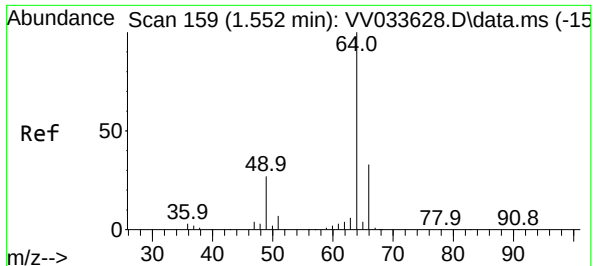
Tgt Ion: 62 Resp: 63031
 Ion Ratio Lower Upper
 62 100
 64 32.2 23.0 42.8



#6
 Bromomethane
 Concen: 3.576 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV033656.D
 Acq: 16 Jan 2024 08:53

Tgt Ion: 94 Resp: 21697
 Ion Ratio Lower Upper
 94 100
 96 95.8 65.5 121.6





#8

Chloroethane

Concen: 5.298 ug/L

RT: 1.552 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

Instrument :

MSVOA_V

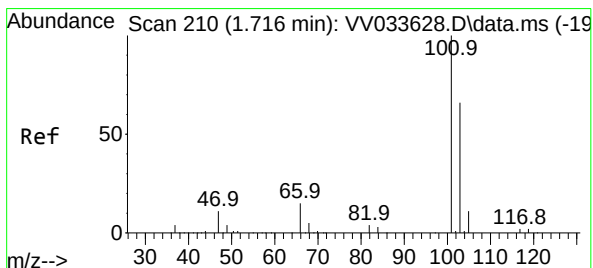
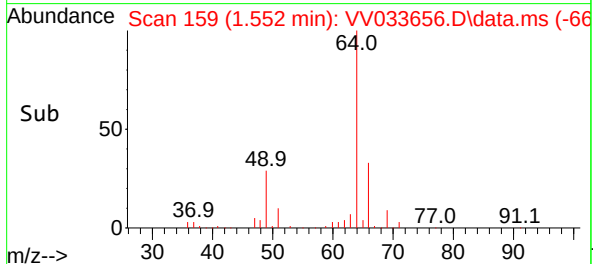
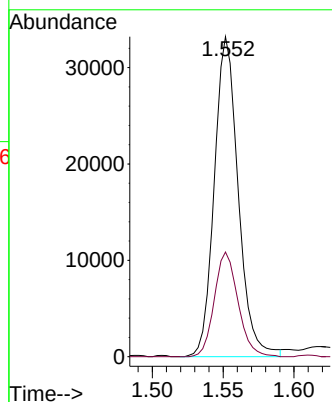
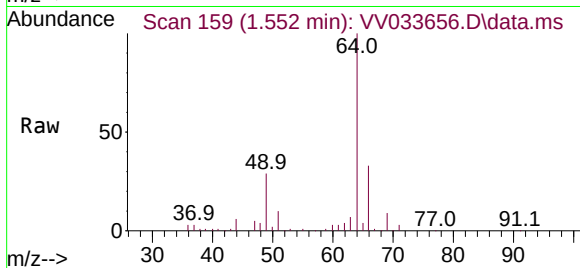
ClientSampleId :

Tgt Ion: 64 Resp: 39033

Ion Ratio Lower Upper

64 100

66 32.7 22.6 42.0



#9

Trichlorofluoromethane

Concen: 5.720 ug/L

RT: 1.716 min Scan# 210

Delta R.T. 0.000 min

Lab File: VV033656.D

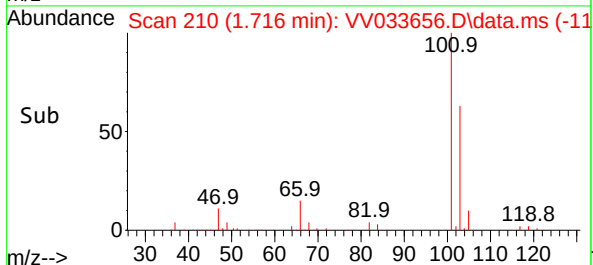
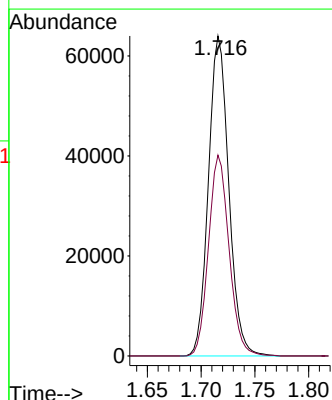
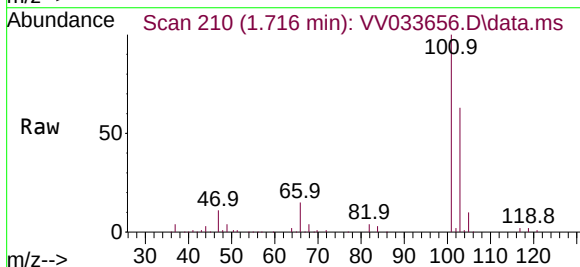
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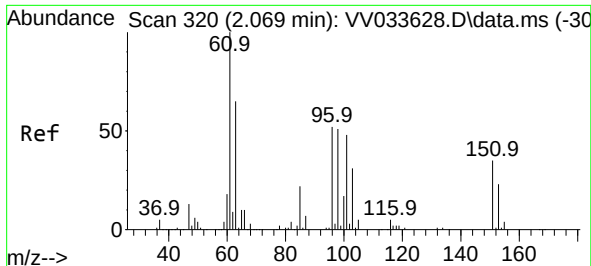
Tgt Ion:101 Resp: 84314

Ion Ratio Lower Upper

101 100

103 63.5 52.1 78.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.661 ug/L

RT: 2.073 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

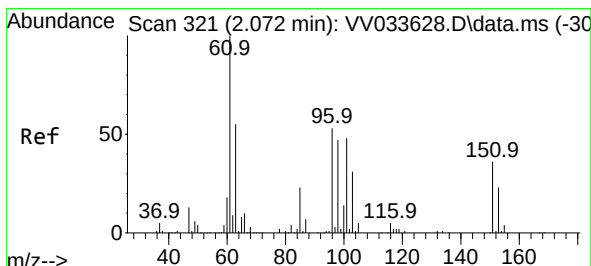
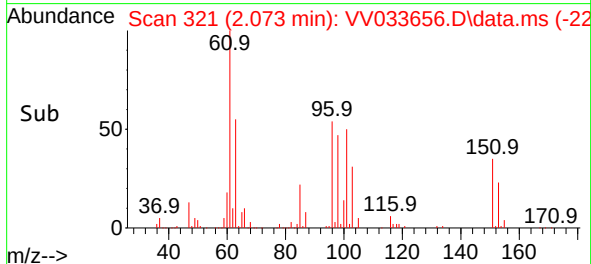
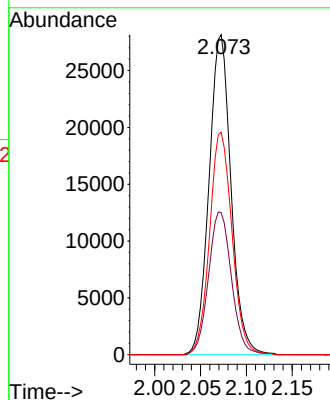
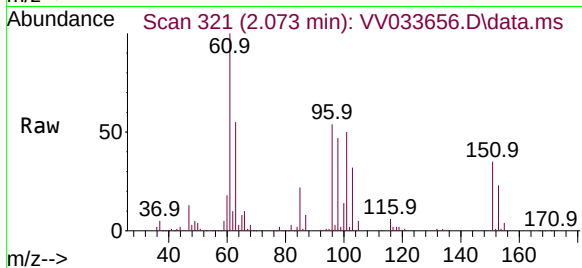
Tgt Ion:101 Resp: 46892

Ion Ratio Lower Upper

101 100

85 46.7 36.4 54.6

151 71.2 58.1 87.1



#12

1,1-Dichloroethene

Concen: 5.435 ug/L

RT: 2.073 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

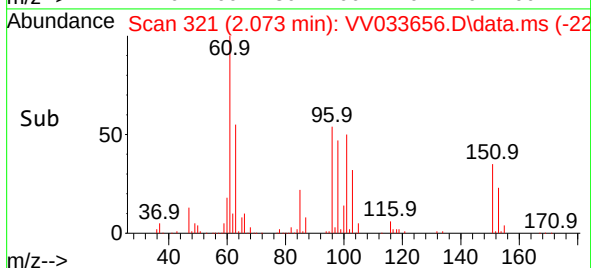
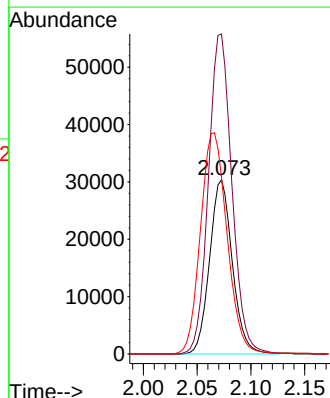
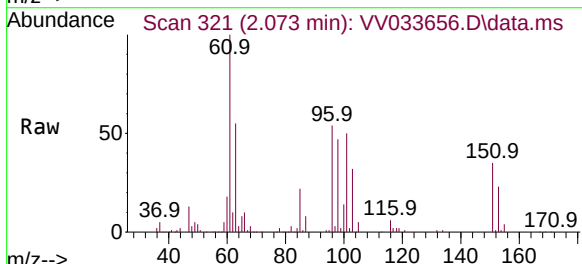
Tgt Ion: 96 Resp: 44674

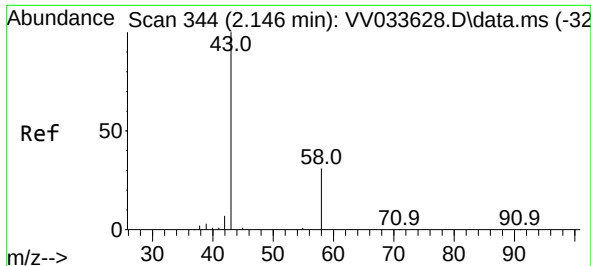
Ion Ratio Lower Upper

96 100

61 183.6 133.8 248.4

63 101.7 77.2 143.4





#13

Acetone

Concen: 41.495 ug/L

RT: 2.140 min Scan# 34

Delta R.T. -0.006 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

Instrument :

MSVOA_V

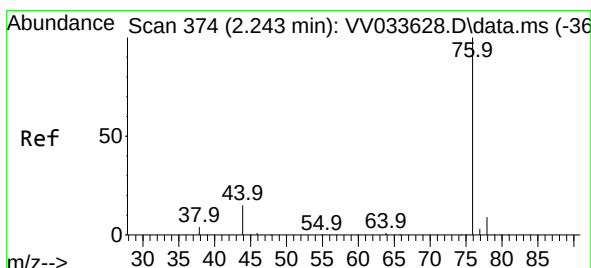
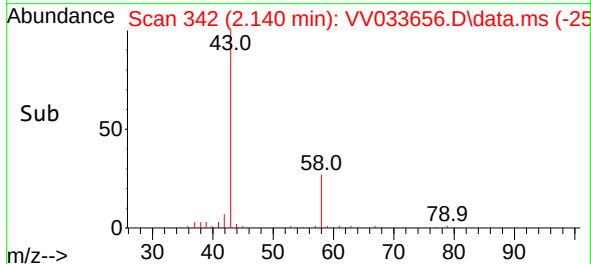
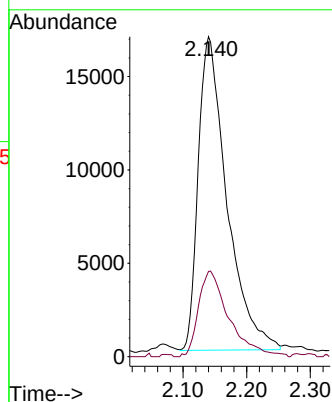
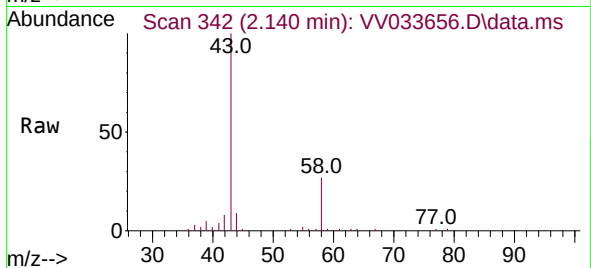
ClientSampleId :

Tgt Ion: 43 Resp: 52520

Ion Ratio Lower Upper

43 100

58 29.0 0.0 51.0



#14

Carbon disulfide

Concen: 5.227 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV033656.D

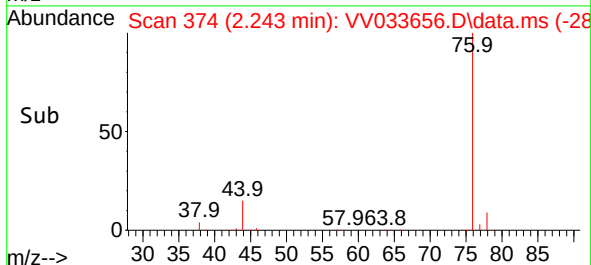
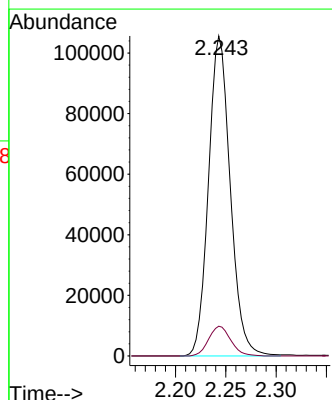
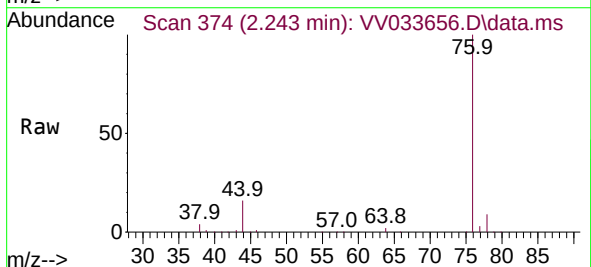
Acq: 16 Jan 2024 08:53

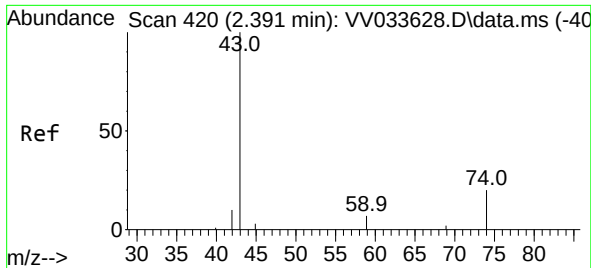
Tgt Ion: 76 Resp: 158972

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

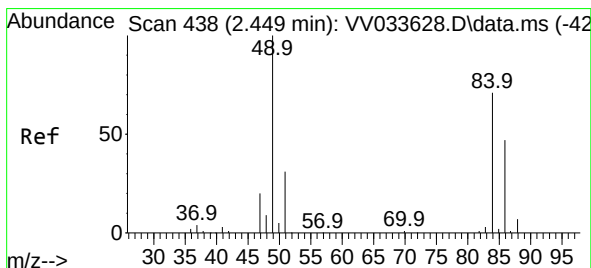
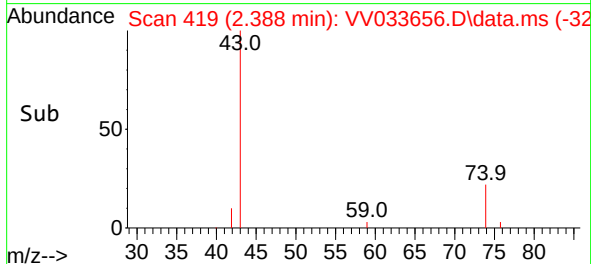
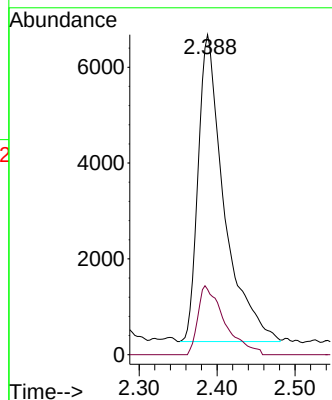
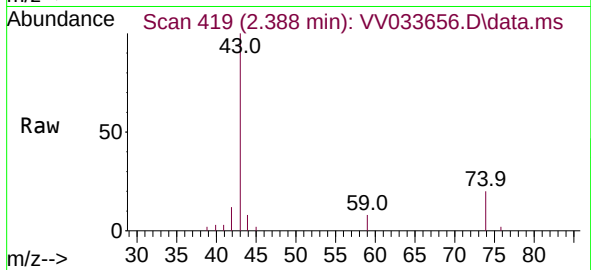




#15
Methyl Acetate
Concen: 4.905 ug/L
RT: 2.388 min Scan# 419
Delta R.T. -0.003 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

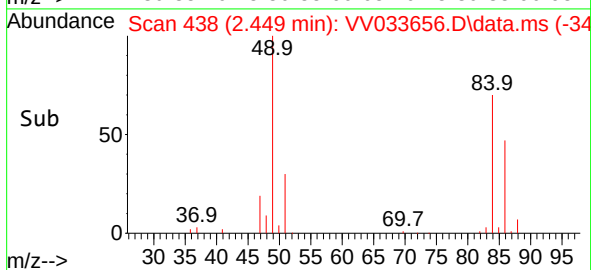
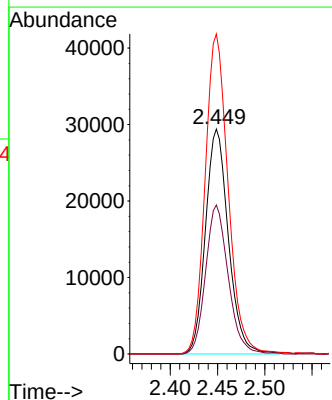
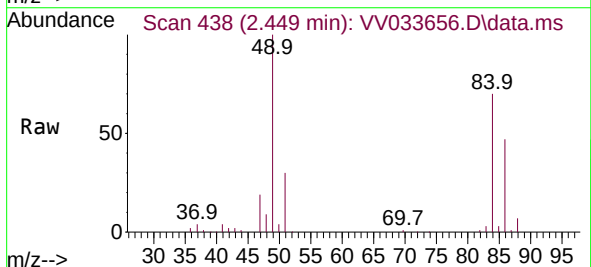
Instrument :
MSVOA_V
ClientSampleId :

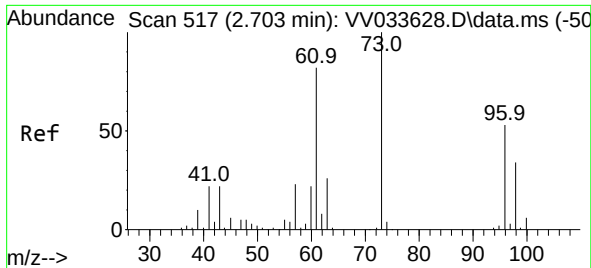
Tgt Ion: 43 Resp: 14838
Ion Ratio Lower Upper
43 100
74 23.0 16.6 24.8



#16
Methylene chloride
Concen: 5.113 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

Tgt Ion: 84 Resp: 49600
Ion Ratio Lower Upper
84 100
86 66.2 45.5 84.5
49 142.3 100.3 186.3





#17

Methyl tert-butyl Ether

Concen: 5.055 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

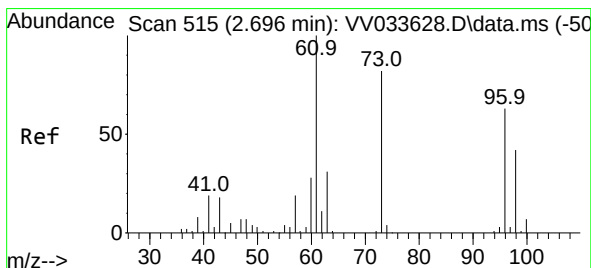
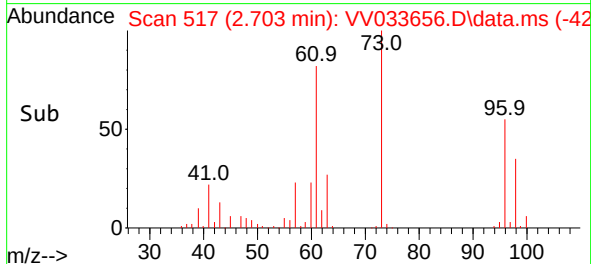
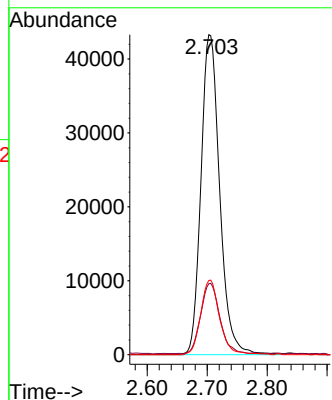
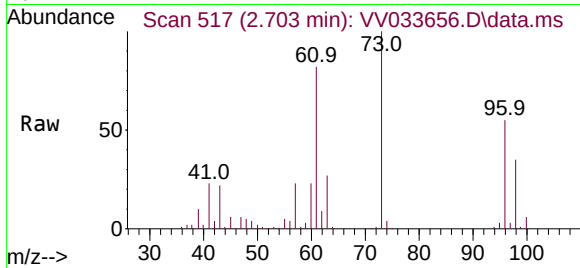
Tgt Ion: 73 Resp: 94088

Ion Ratio Lower Upper

73 100

43 22.3 17.7 26.5

57 23.5 19.5 29.3



#18

trans-1,2-Dichloroethene

Concen: 5.374 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

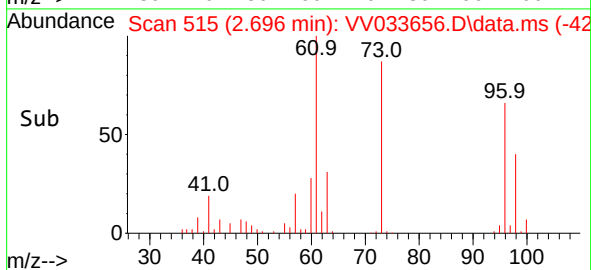
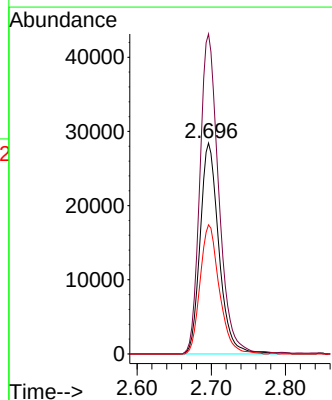
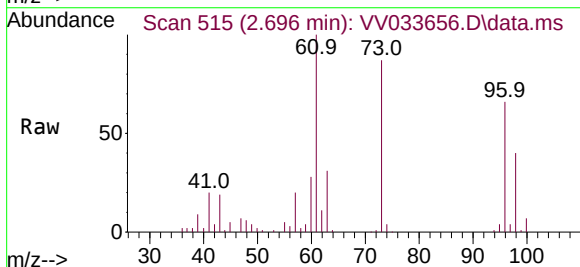
Tgt Ion: 96 Resp: 49899

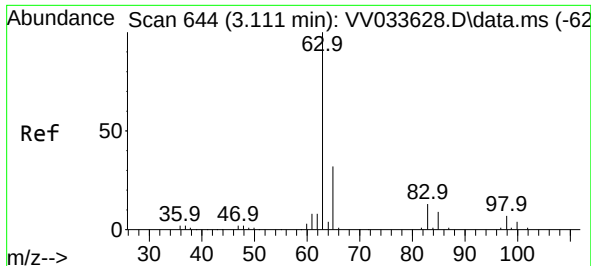
Ion Ratio Lower Upper

96 100

61 151.7 110.4 205.0

98 61.3 44.1 81.9





#19

1,1-Dichloroethane

Concen: 5.251 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

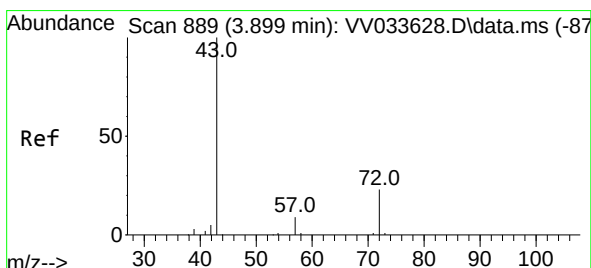
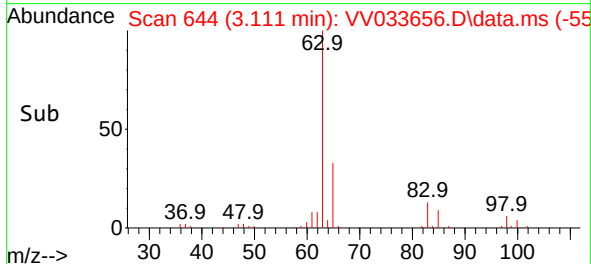
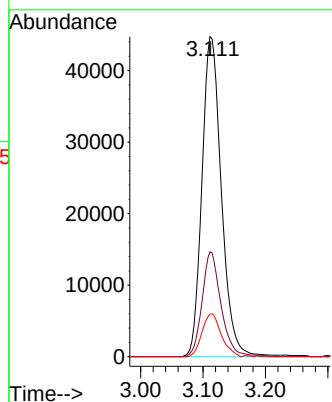
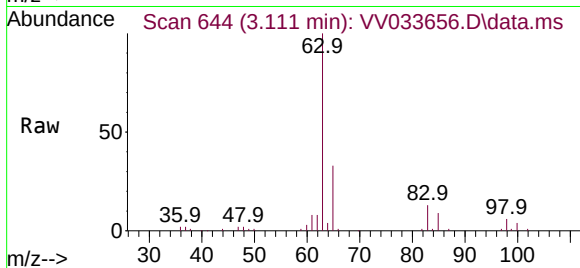
Tgt Ion: 63 Resp: 96888

Ion Ratio Lower Upper

63 100

65 32.8 21.6 40.2

83 13.3 9.1 16.9



#21

2-Butanone

Concen: 43.240 ug/L

RT: 3.896 min Scan# 888

Delta R.T. -0.003 min

Lab File: VV033656.D

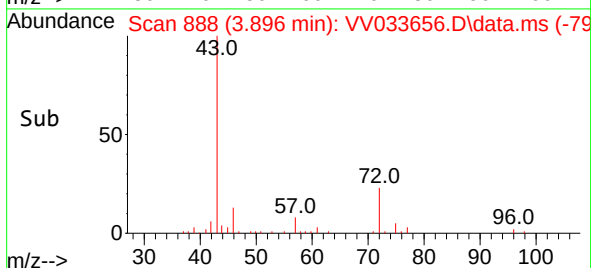
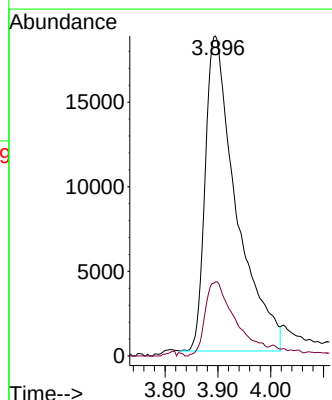
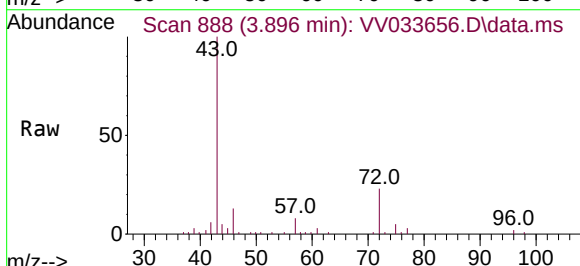
Acq: 16 Jan 2024 08:53

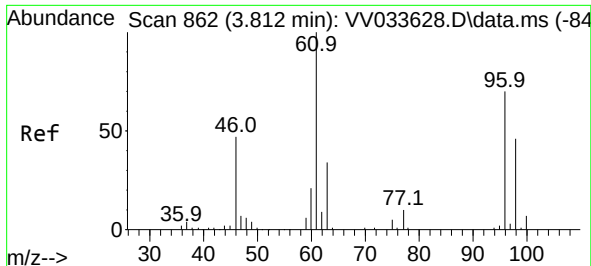
Tgt Ion: 43 Resp: 75968

Ion Ratio Lower Upper

43 100

72 23.0 10.5 31.6





#22

cis-1,2-Dichloroethene

Concen: 5.354 ug/L

RT: 3.815 min Scan# 862

Delta R.T. 0.003 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

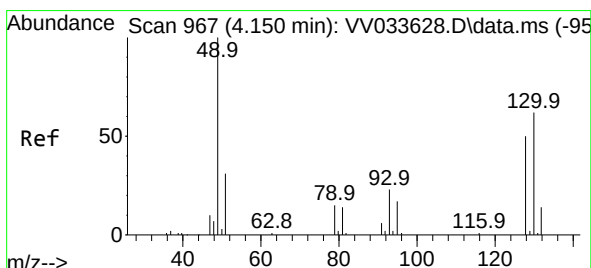
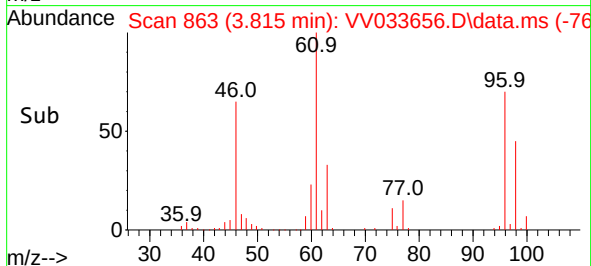
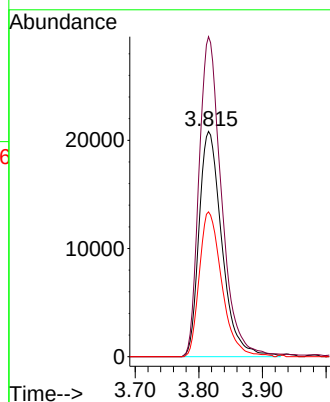
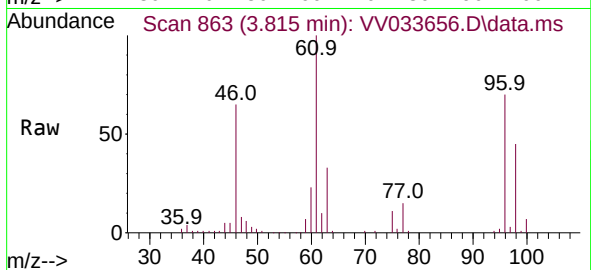
Tgt Ion: 96 Resp: 52059

Ion Ratio Lower Upper

96 100

61 142.0 97.1 180.3

98 64.3 42.6 79.0



#23

Bromochloromethane

Concen: 5.205 ug/L

RT: 4.150 min Scan# 967

Delta R.T. 0.000 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

Tgt Ion:128 Resp: 18456

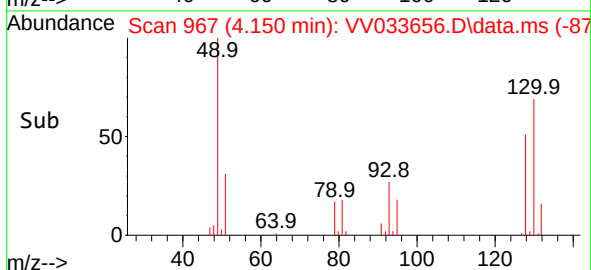
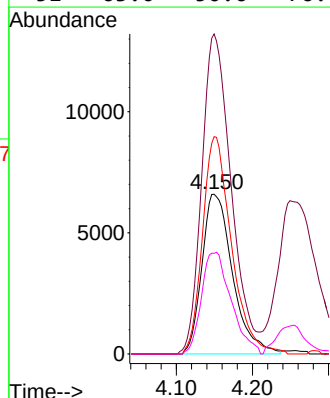
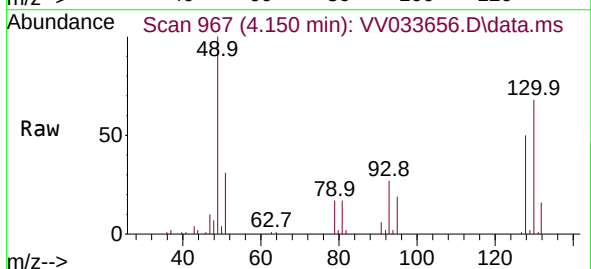
Ion Ratio Lower Upper

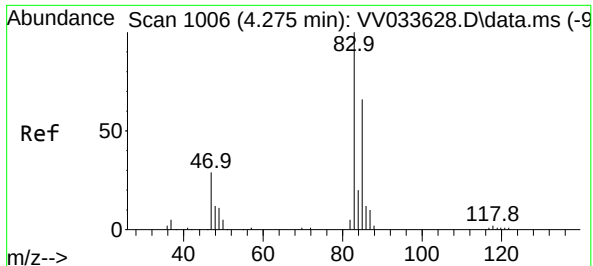
128 100

49 200.3 136.4 253.2

130 136.0 87.5 162.5

51 63.0 50.6 76.0





#25

Chloroform

Concen: 5.403 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. 0.000 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

Instrument :

MSVOA_V

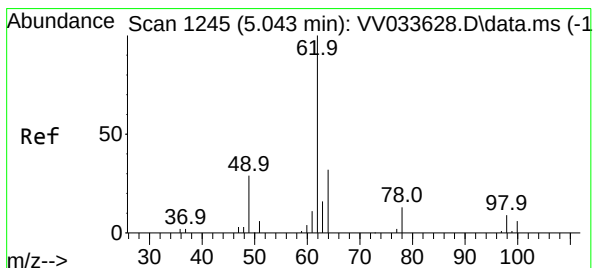
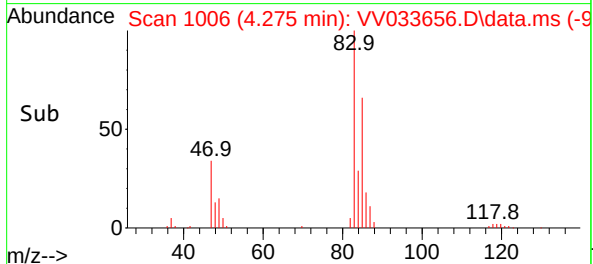
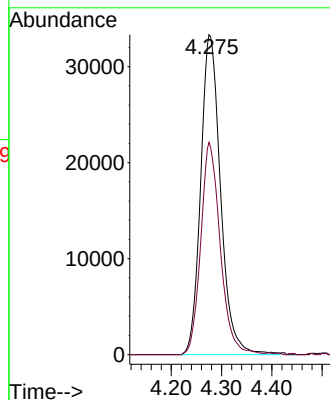
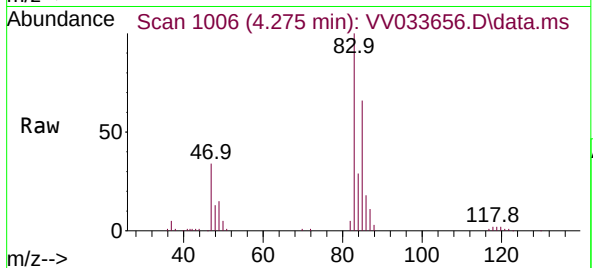
ClientSampleId :

Tgt Ion: 83 Resp: 91539

Ion Ratio Lower Upper

83 100

85 66.4 45.1 83.9



#27

1,2-Dichloroethane

Concen: 5.335 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.000 min

Lab File: VV033656.D

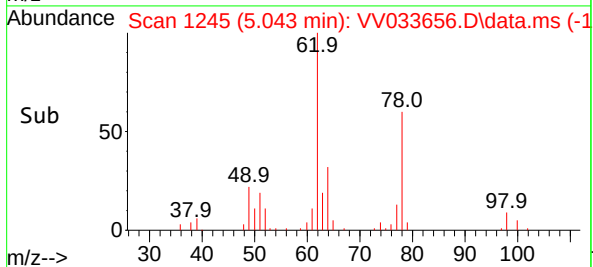
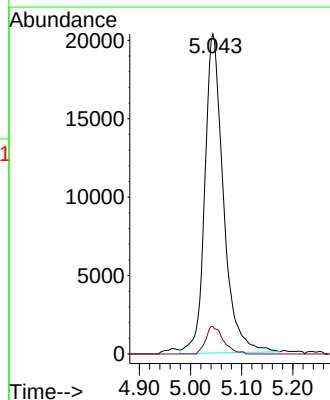
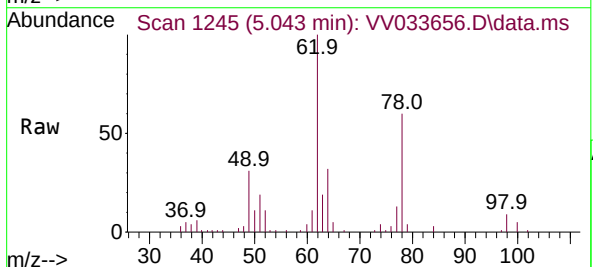
Acq: 16 Jan 2024 08:53

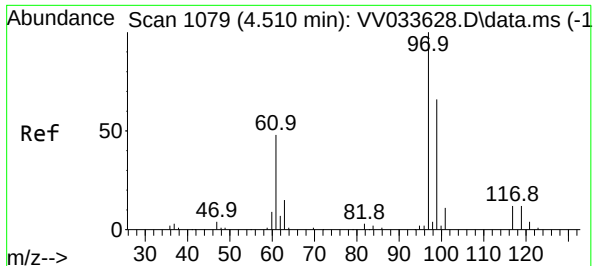
Tgt Ion: 62 Resp: 51498

Ion Ratio Lower Upper

62 100

98 8.5 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 5.503 ug/L

RT: 4.513 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

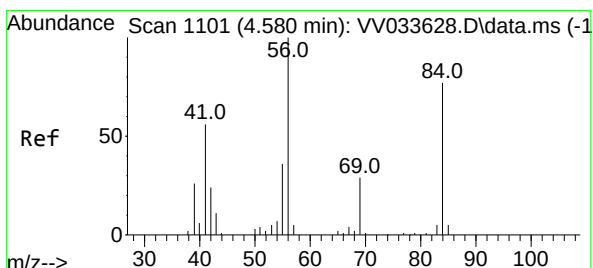
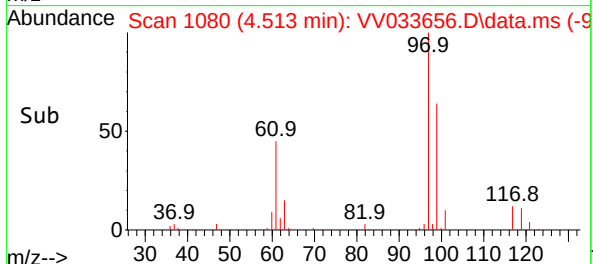
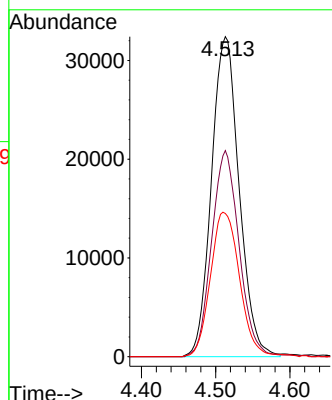
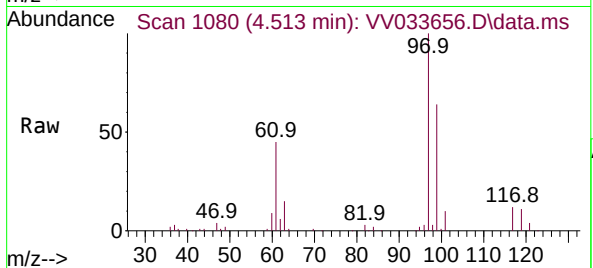
Tgt Ion: 97 Resp: 83973

Ion Ratio Lower Upper

97 100

99 63.9 50.8 76.2

61 47.7 38.1 57.1



#30

Cyclohexane

Concen: 5.157 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

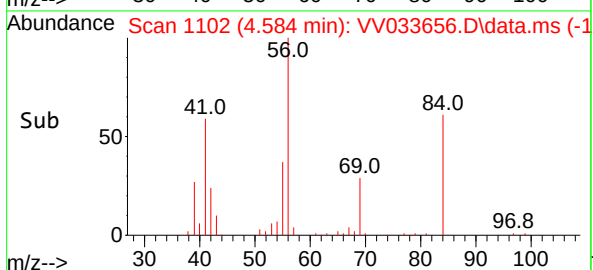
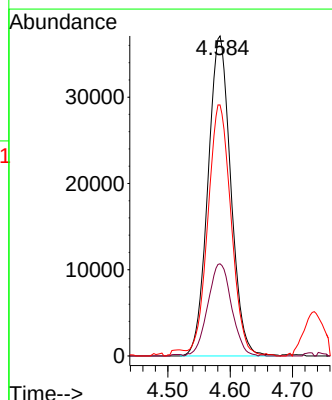
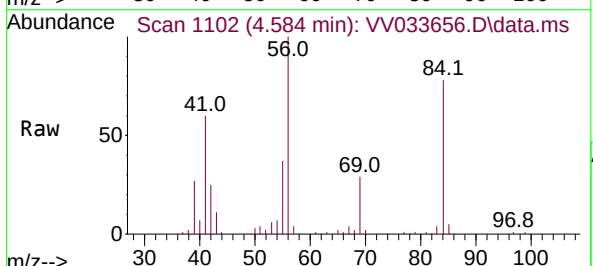
Tgt Ion: 56 Resp: 94321

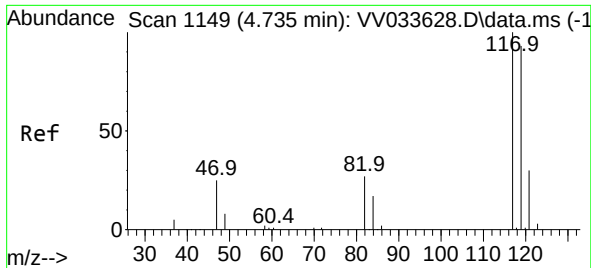
Ion Ratio Lower Upper

56 100

69 30.1 23.3 34.9

84 78.9 61.7 92.5

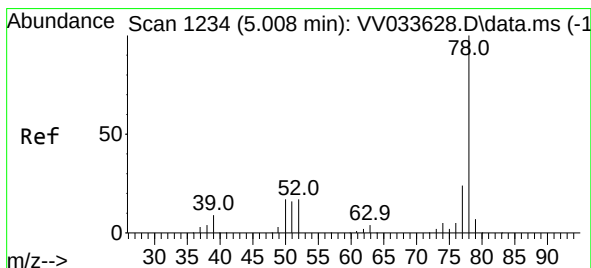
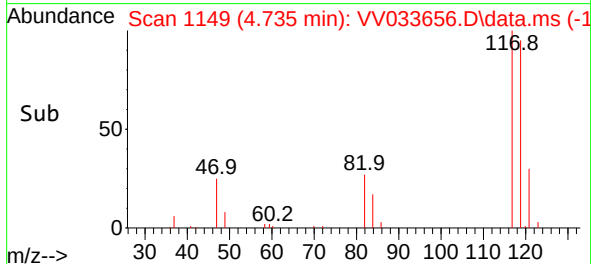
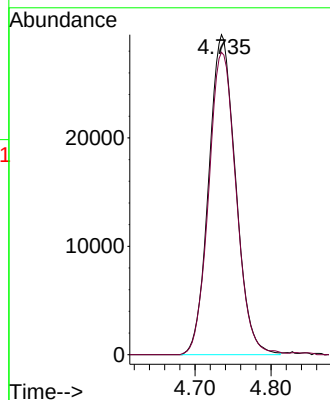
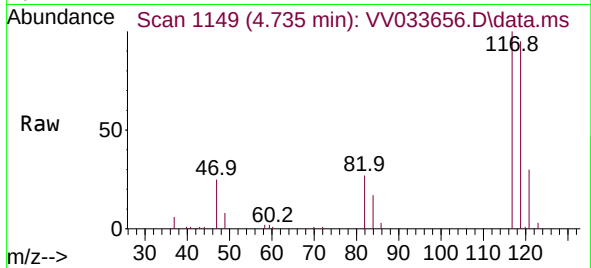




#31
Carbon tetrachloride
Concen: 5.575 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

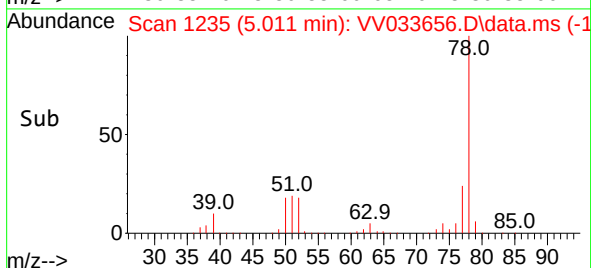
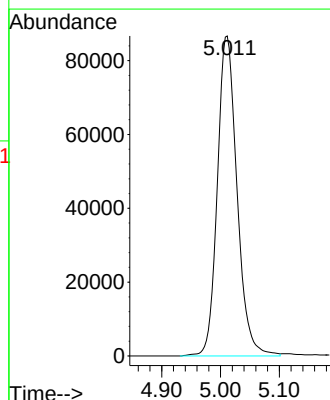
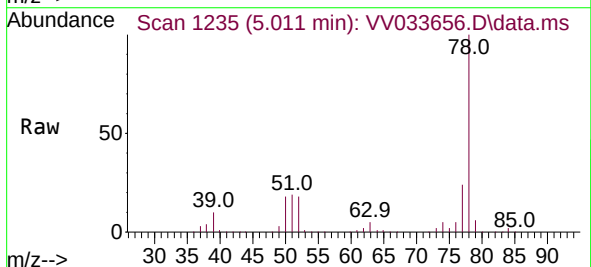
Instrument :
MSVOA_V
ClientSampleId :

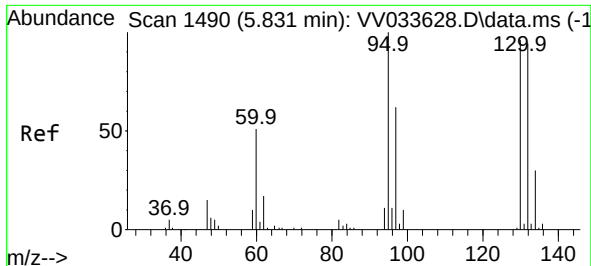
Tgt Ion:117 Resp: 72531
Ion Ratio Lower Upper
117 100
119 96.3 78.3 117.5



#33
Benzene
Concen: 5.275 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

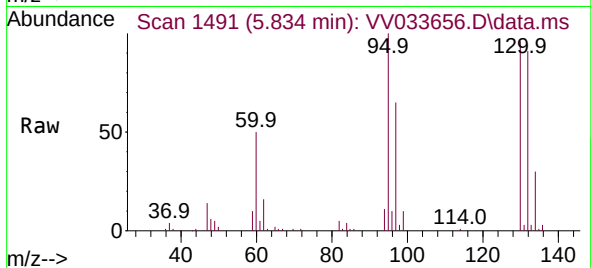
Tgt Ion: 78 Resp: 201523





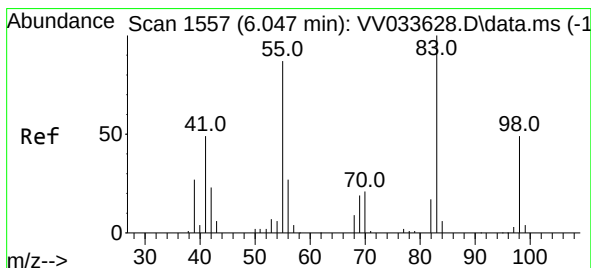
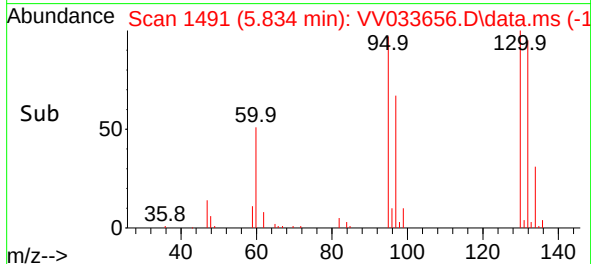
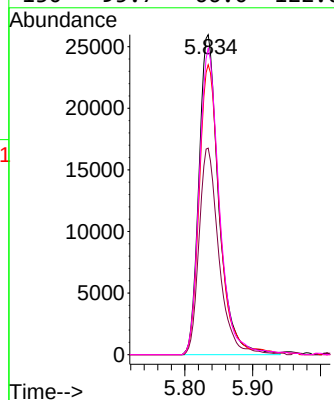
#34
Trichloroethene
Concen: 5.189 ug/L
RT: 5.834 min Scan# 1490
Delta R.T. 0.003 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 95 Resp: 52776

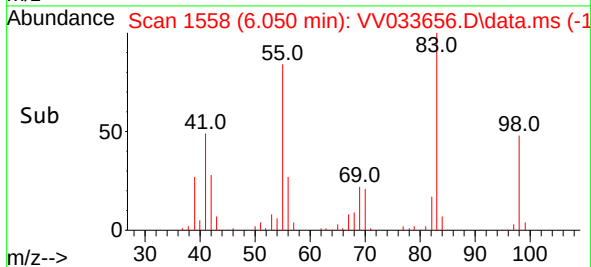
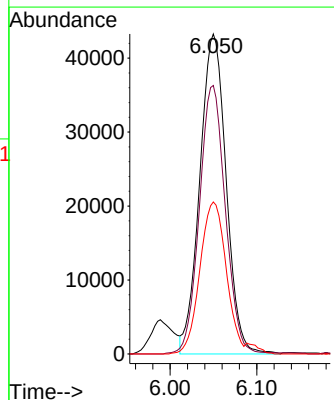
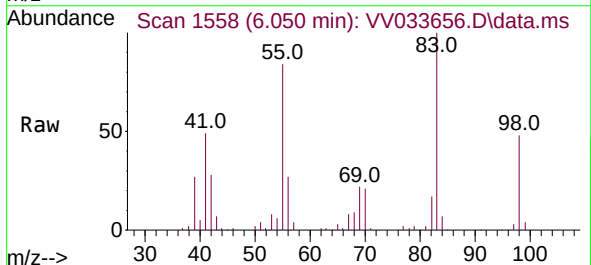
Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.1	83.9
132	90.6	65.2	121.2
130	95.7	66.0	122.6

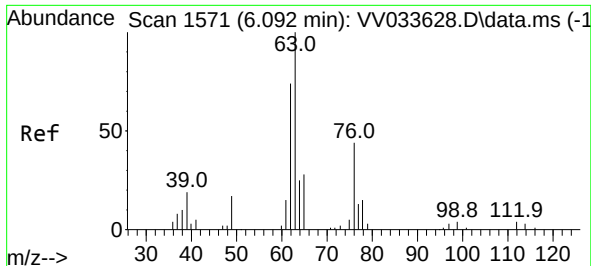


#35
Methylcyclohexane
Concen: 5.313 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.003 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

Tgt Ion: 83 Resp: 91459

Ion	Ratio	Lower	Upper
83	100		
55	83.2	68.7	103.1
98	47.3	38.3	57.5





#37

1,2-Dichloropropane

Concen: 5.148 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

Instrument :

MSVOA_V

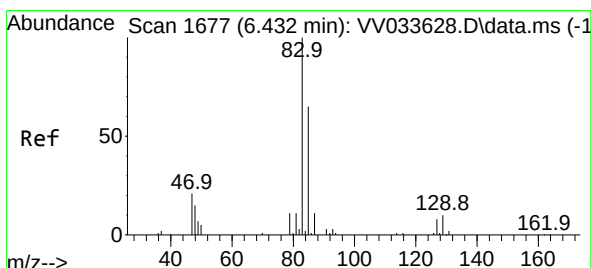
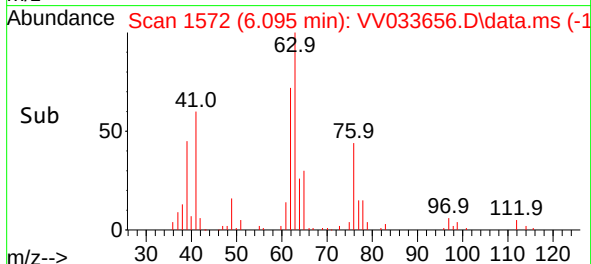
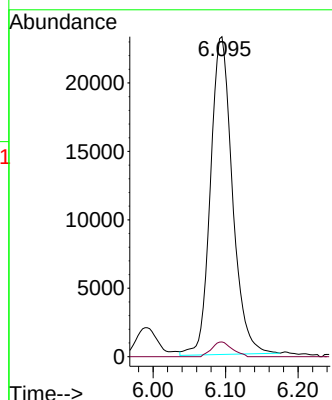
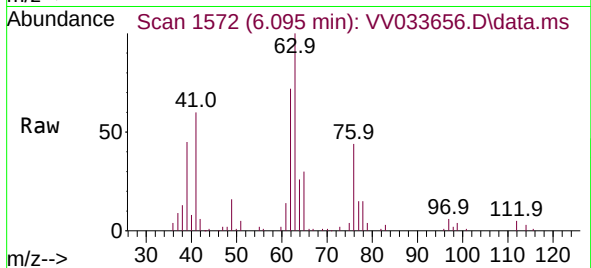
ClientSampleId :

Tgt Ion: 63 Resp: 48846

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2



#38

Bromodichloromethane

Concen: 5.218 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

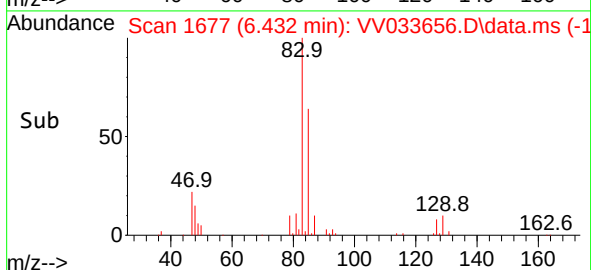
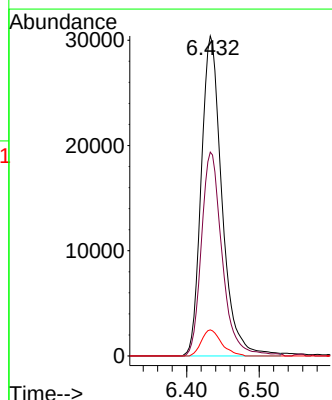
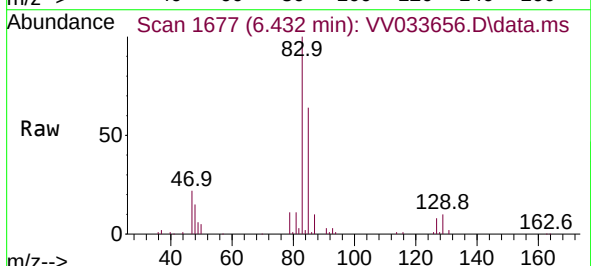
Tgt Ion: 83 Resp: 60351

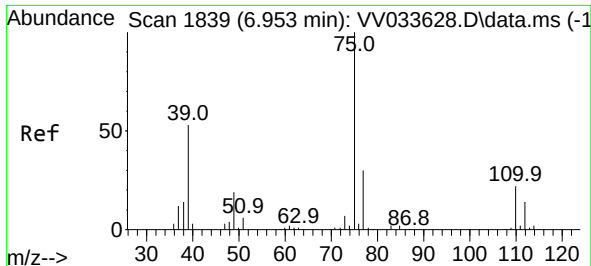
Ion Ratio Lower Upper

83 100

85 63.7 45.1 83.9

127 8.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 5.127 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.000 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

Instrument :

MSVOA_V

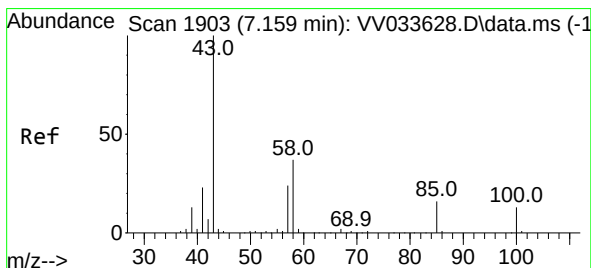
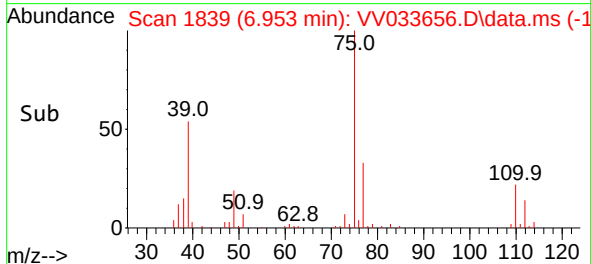
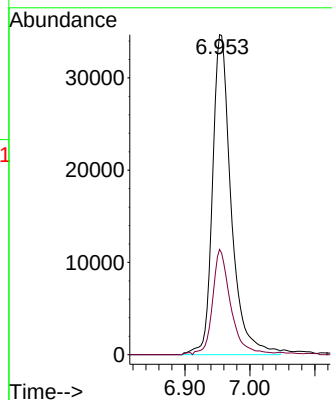
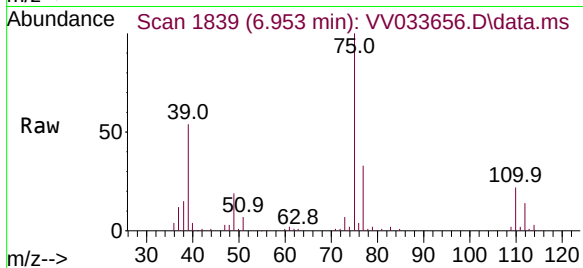
ClientSampleId :

Tgt Ion: 75 Resp: 69471

Ion Ratio Lower Upper

75 100

77 32.9 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 48.627 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

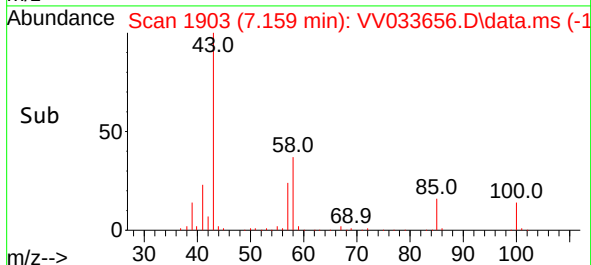
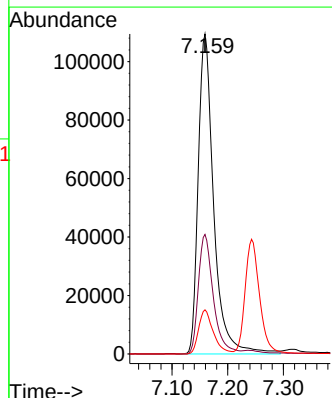
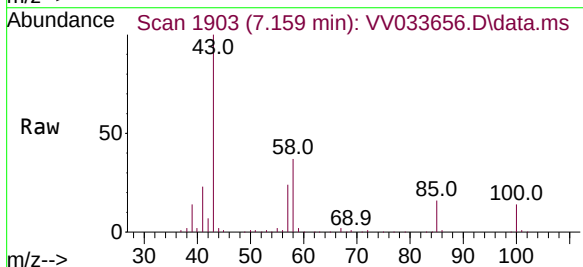
Tgt Ion: 43 Resp: 212105

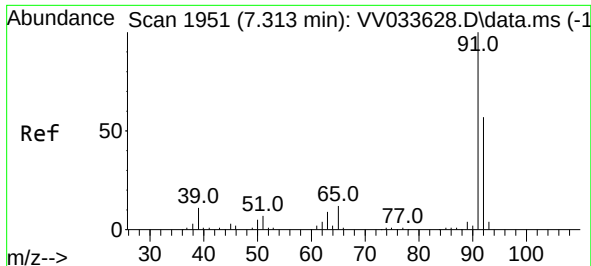
Ion Ratio Lower Upper

43 100

58 36.0 29.9 44.9

100 13.1 9.9 14.9





#42

Toluene

Concen: 5.309 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

Instrument :

MSVOA_V

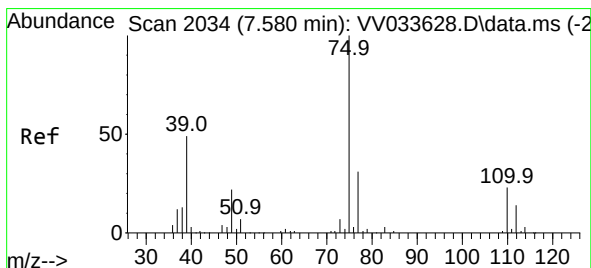
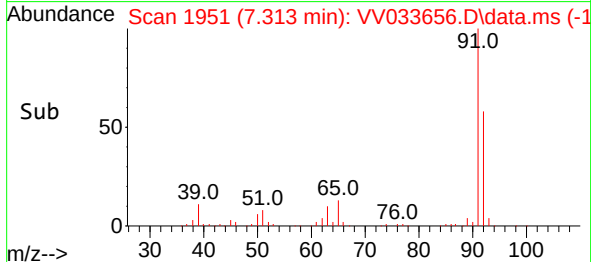
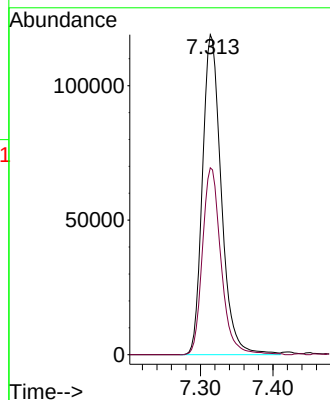
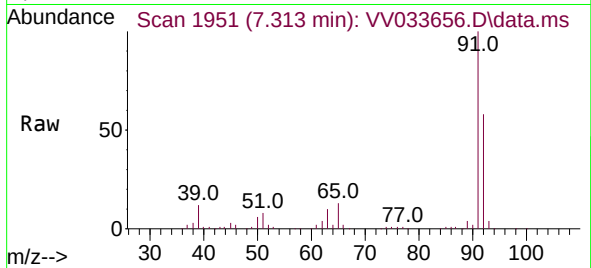
ClientSampleId :

Tgt Ion: 91 Resp: 214550

Ion Ratio Lower Upper

91 100

92 58.4 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 4.977 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. 0.003 min

Lab File: VV033656.D

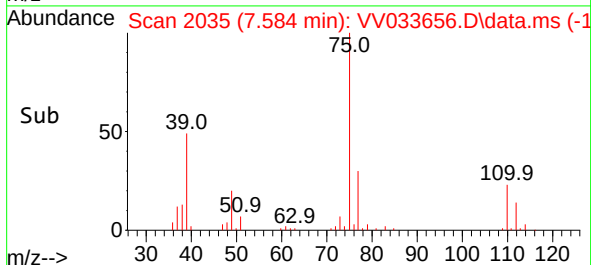
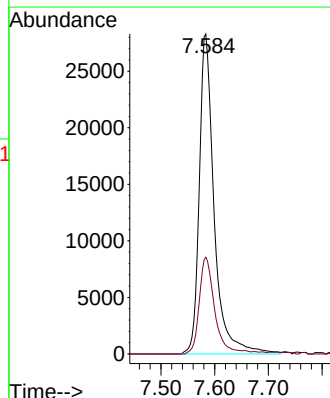
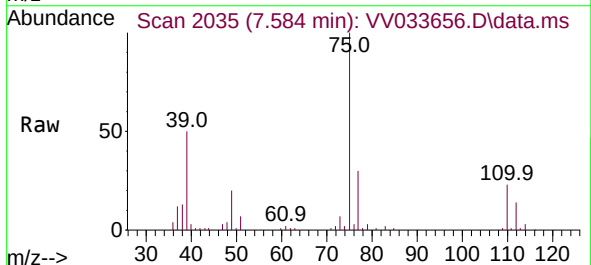
Acq: 16 Jan 2024 08:53

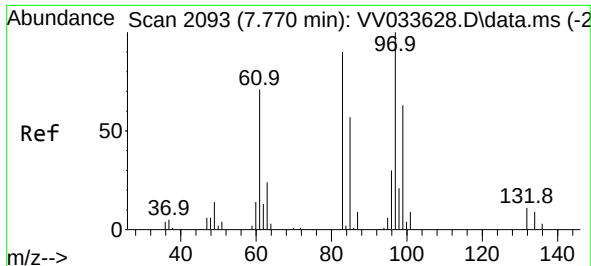
Tgt Ion: 75 Resp: 54355

Ion Ratio Lower Upper

75 100

77 30.2 22.5 41.7



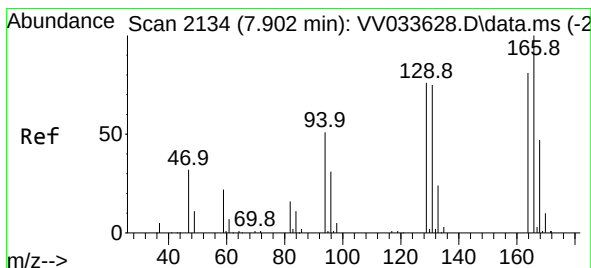
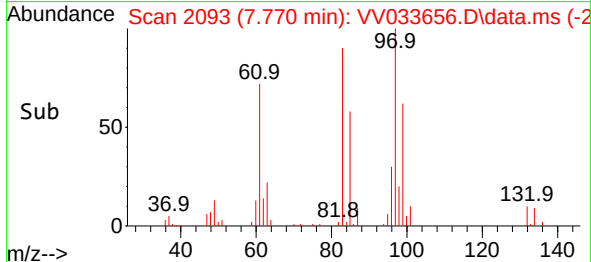
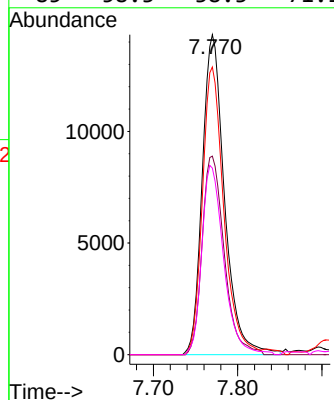
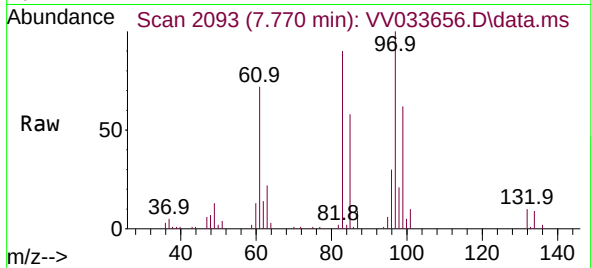


#45
1,1,2-Trichloroethane
Concen: 5.002 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.000 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 26366

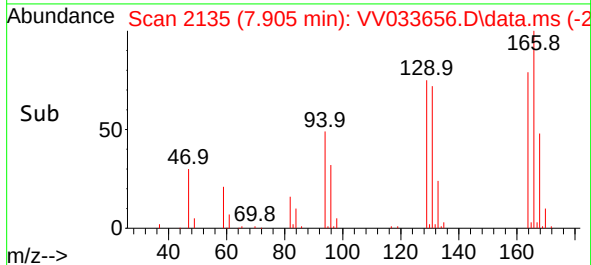
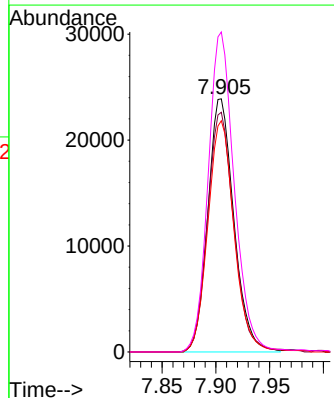
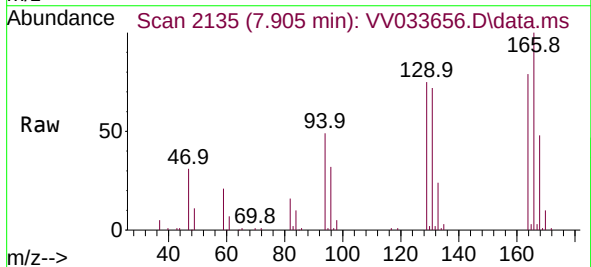
Ion	Ratio	Lower	Upper
97	100		
99	62.1	44.9	83.3
83	89.9	60.5	112.3
85	58.3	38.3	71.1

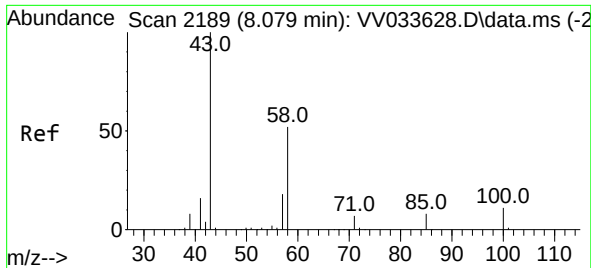


#47
Tetrachloroethene
Concen: 5.517 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

Tgt Ion: 164 Resp: 40313

Ion	Ratio	Lower	Upper
164	100		
129	94.7	67.1	124.7
131	91.4	65.0	120.6
166	126.5	90.8	168.6

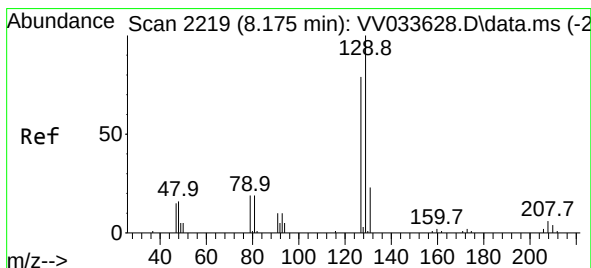
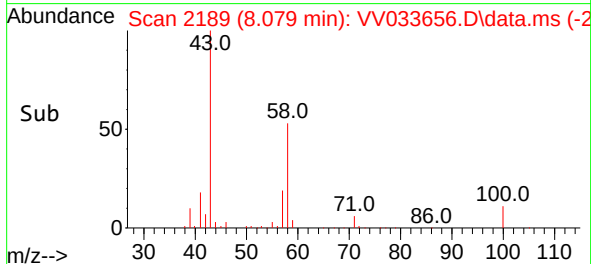
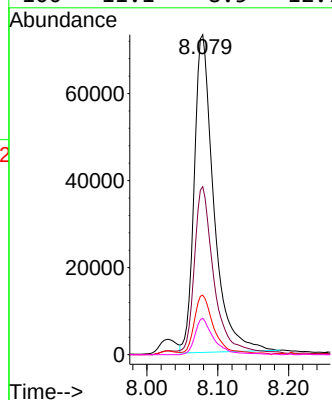
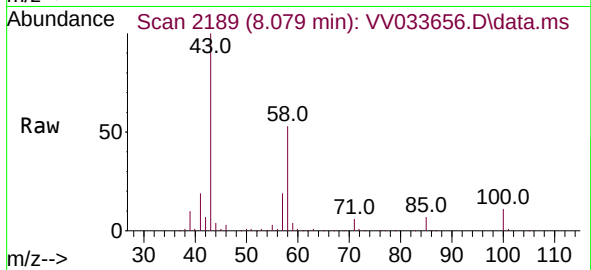




#48
2-Hexanone
Concen: 43.844 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

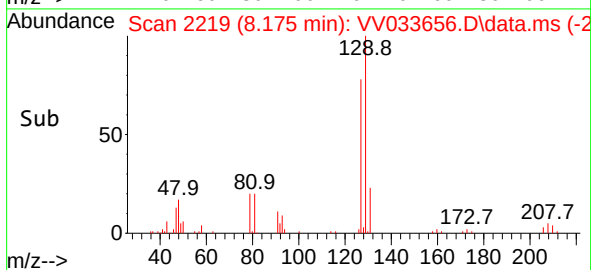
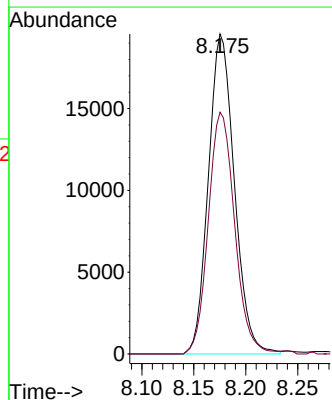
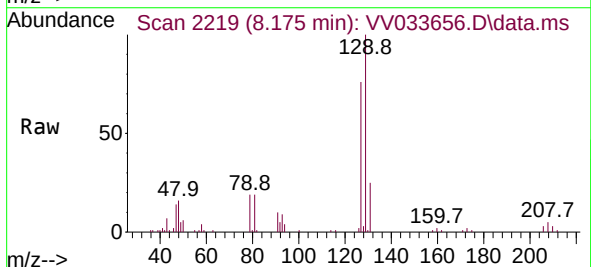
Instrument :
MSVOA_V
ClientSampleId :

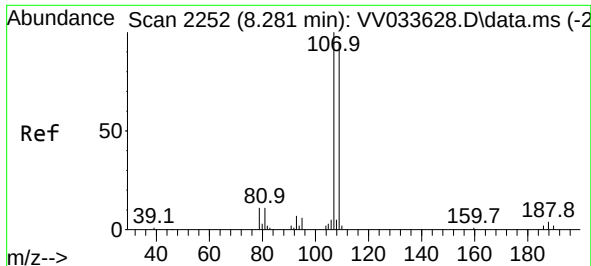
Tgt Ion: 43	Resp: 140101
Ion Ratio	Lower Upper
43 100	
58 53.1	40.6 61.0
57 19.3	13.8 20.8
100 11.1	8.5 12.7



#49
Dibromochloromethane
Concen: 5.183 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

Tgt Ion:129	Resp: 34020		
Ion Ratio	Lower	Upper	
129 100			
127 75.5	53.6	99.6	





#50

1,2-Dibromoethane

Concen: 5.227 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV033656.D

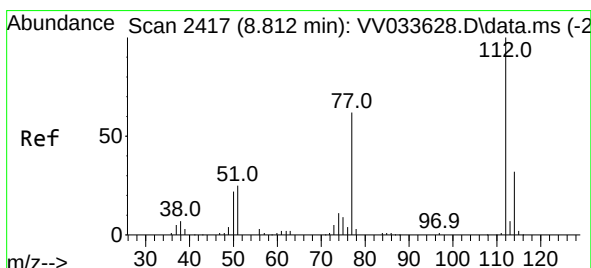
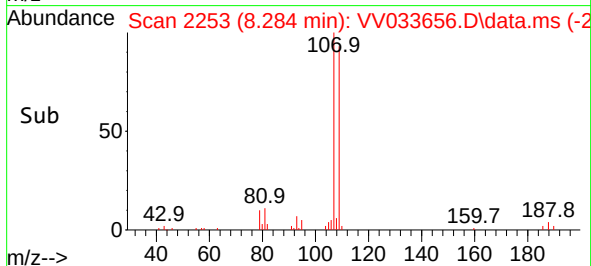
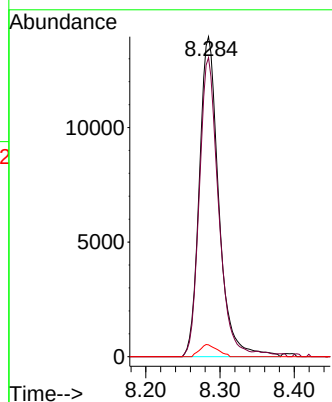
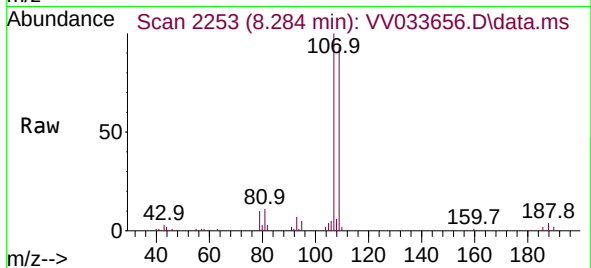
Acq: 16 Jan 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	25432
Ion	Ratio	Lower	Upper
107	100		
109	93.5	64.0	118.8
188	3.7	3.0	4.6



#51

Chlorobenzene

Concen: 5.290 ug/L

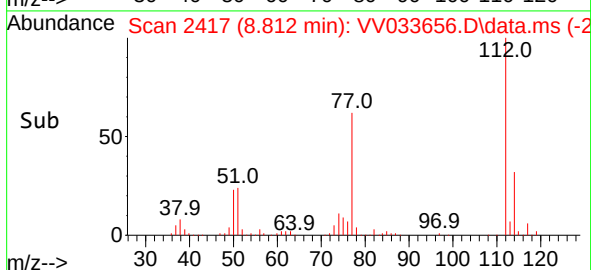
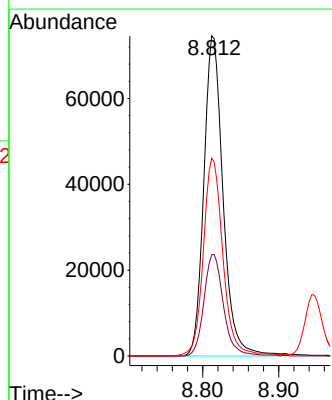
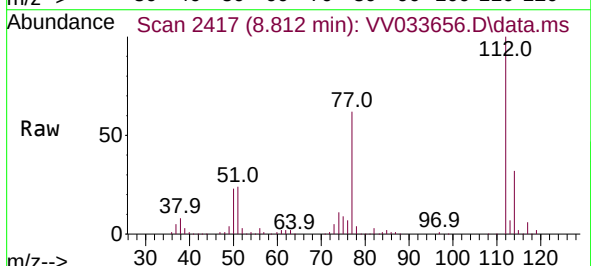
RT: 8.812 min Scan# 2417

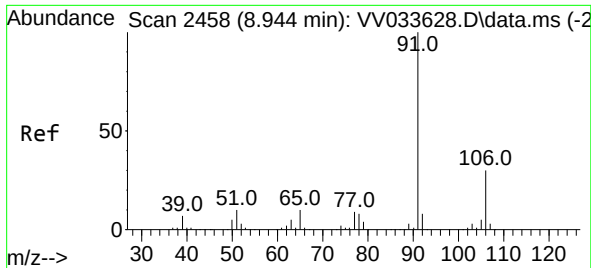
Delta R.T. 0.000 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

Tgt Ion:	112	Resp:	130937
Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.9	42.5
77	61.8	50.8	76.2

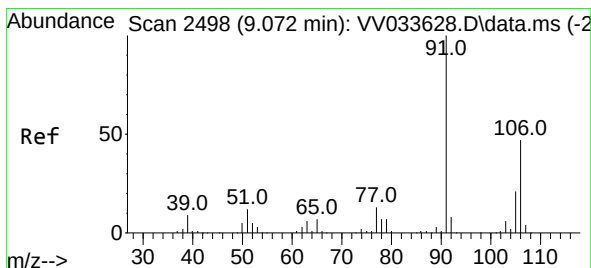
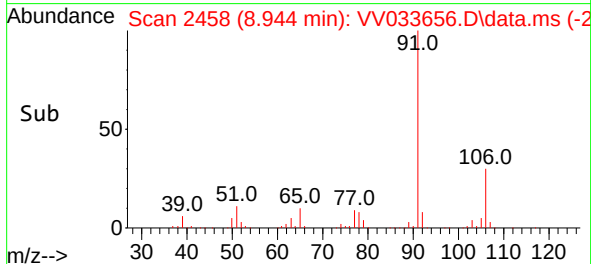
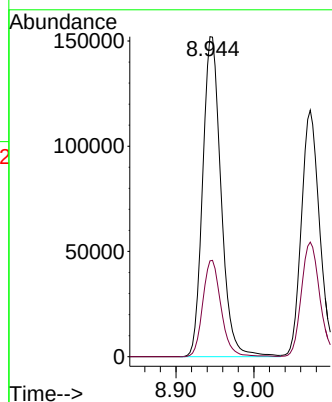
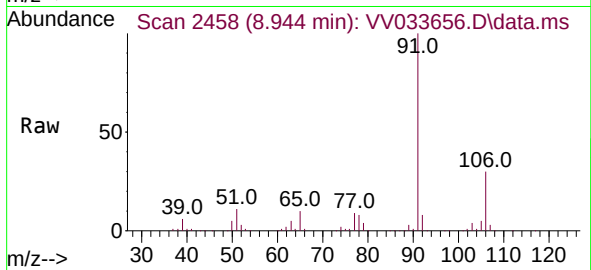




#52
Ethylbenzene
Concen: 5.314 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.000 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

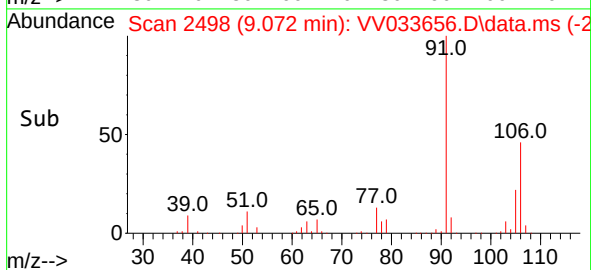
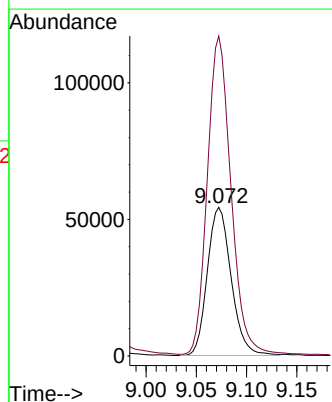
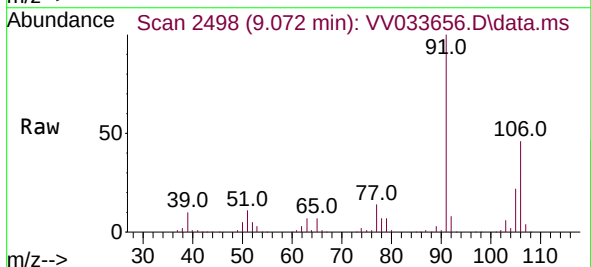
Instrument :
MSVOA_V
ClientSampleId :

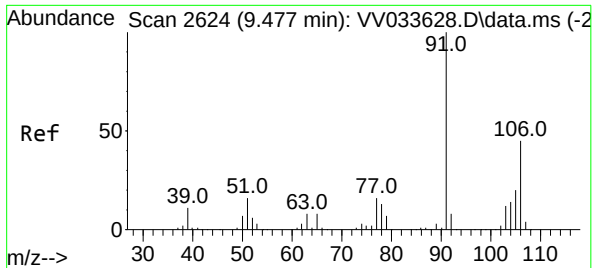
Tgt Ion: 91 Resp: 248936
Ion Ratio Lower Upper
91 100
106 30.0 20.6 38.4



#53
m,p-Xylene
Concen: 5.186 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

Tgt Ion: 106 Resp: 89497
Ion Ratio Lower Upper
106 100
91 215.3 146.2 271.4

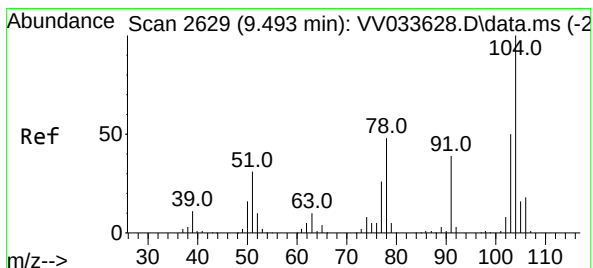
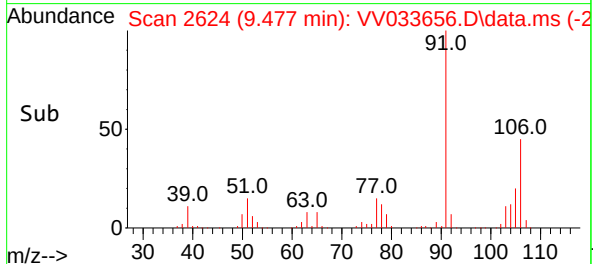
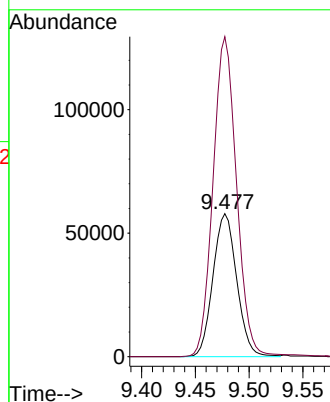
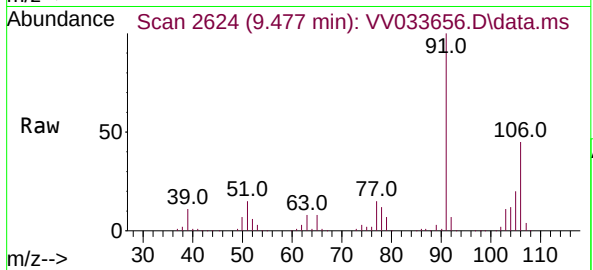




#54
o-Xylene
Concen: 5.299 ug/L
RT: 9.477 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

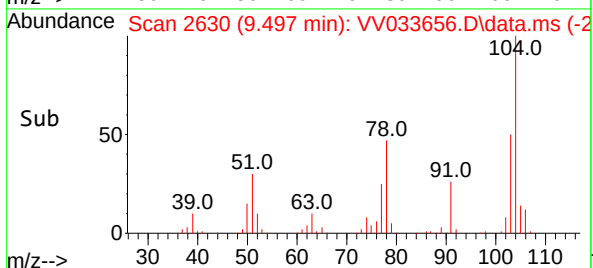
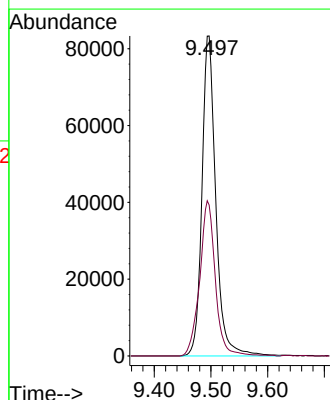
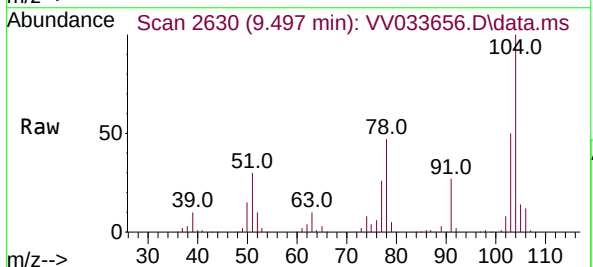
Instrument :
MSVOA_V
ClientSampleId :

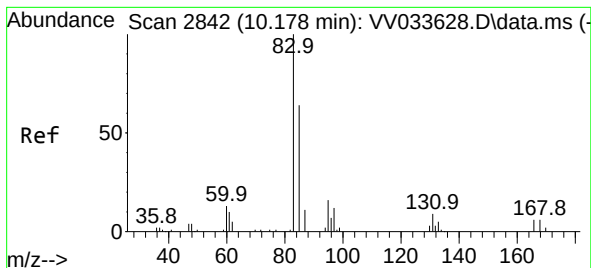
Tgt Ion:106 Resp: 88997
Ion Ratio Lower Upper
106 100
91 223.6 156.0 289.6



#55
Styrene
Concen: 5.282 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

Tgt Ion:104 Resp: 141371
Ion Ratio Lower Upper
104 100
78 47.2 33.1 61.5

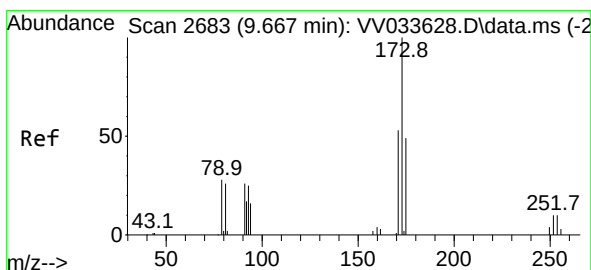
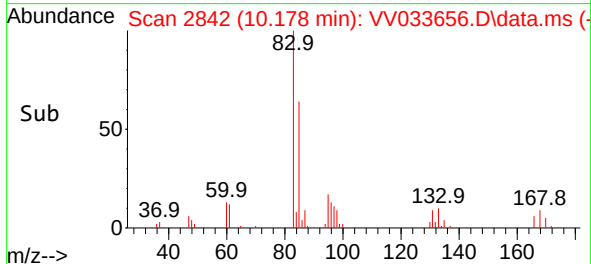
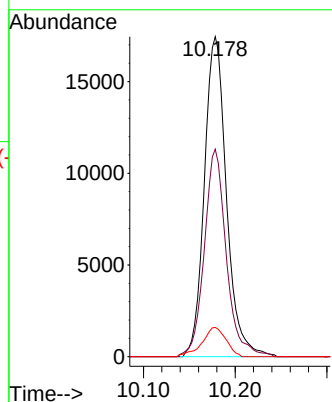
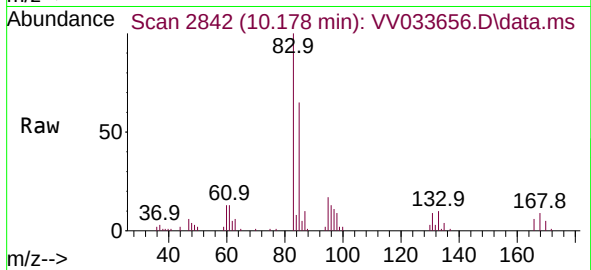




#57
1,1,2,2-Tetrachloroethane
Concen: 5.056 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

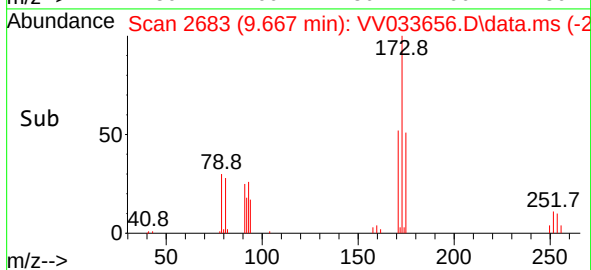
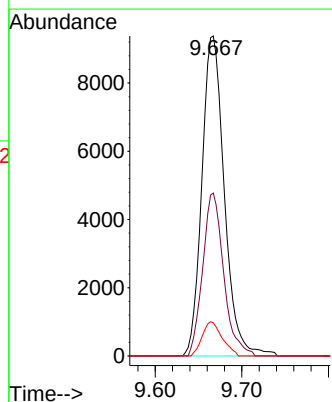
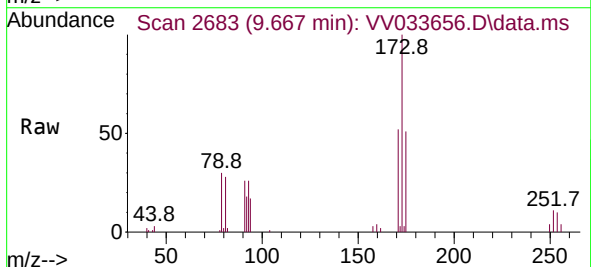
Instrument :
MSVOA_V
ClientSampleId :

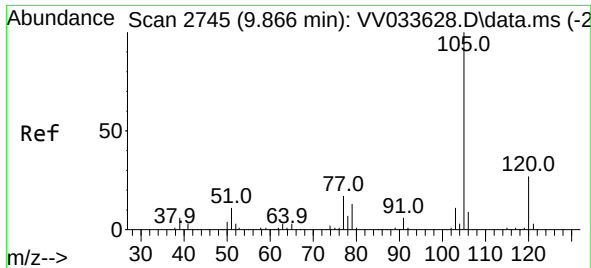
Tgt Ion: 83 Resp: 29252
Ion Ratio Lower Upper
83 100
85 64.9 43.5 80.7
131 9.2 7.4 11.0



#59
Bromoform
Concen: 5.152 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.000 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

Tgt Ion: 173 Resp: 16883
Ion Ratio Lower Upper
173 100
175 47.6 38.8 58.2
254 9.5 7.5 11.3

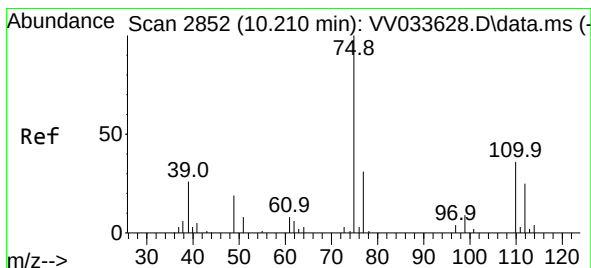
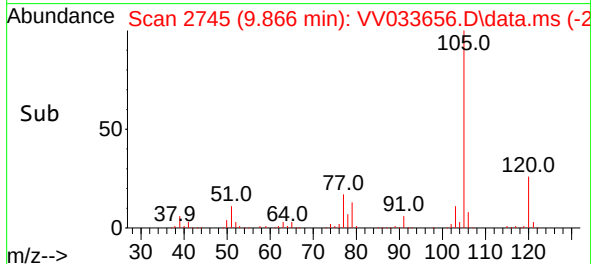
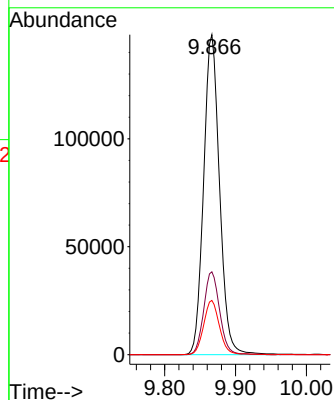
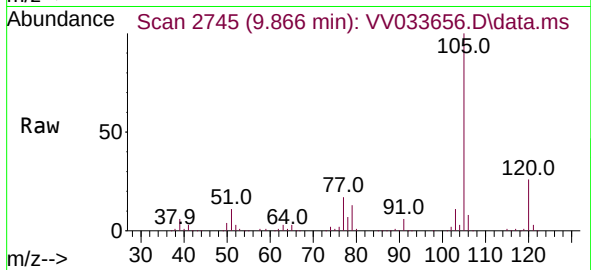




#60
Isopropylbenzene
Concen: 5.385 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

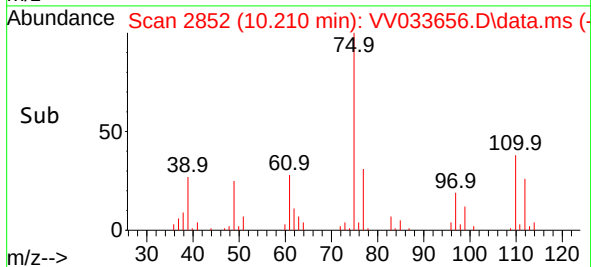
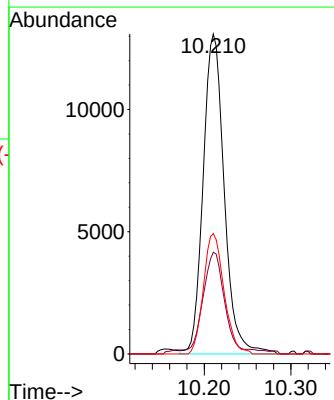
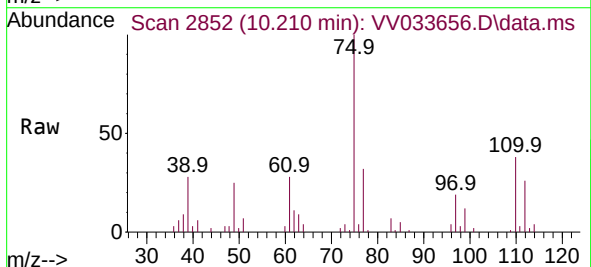
Instrument :
MSVOA_V
ClientSampleId :

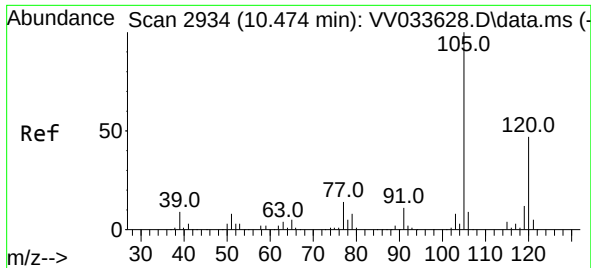
Tgt Ion:105 Resp: 231348
Ion Ratio Lower Upper
105 100
120 25.9 21.0 31.6
77 16.9 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 5.091 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

Tgt Ion: 75 Resp: 22160
Ion Ratio Lower Upper
75 100
77 30.6 24.7 37.1
110 36.6 28.0 42.0

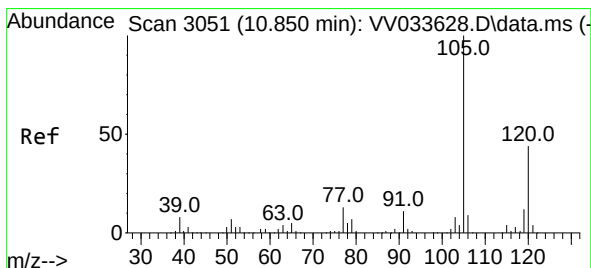
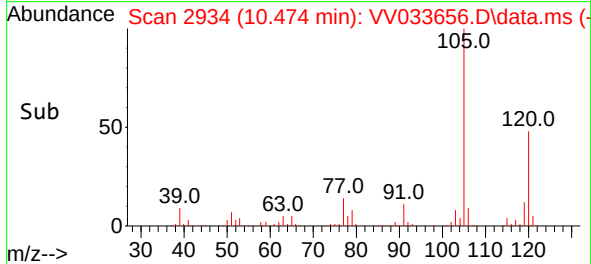
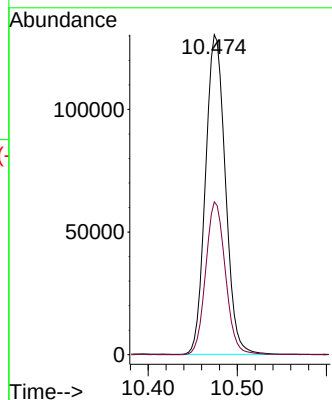
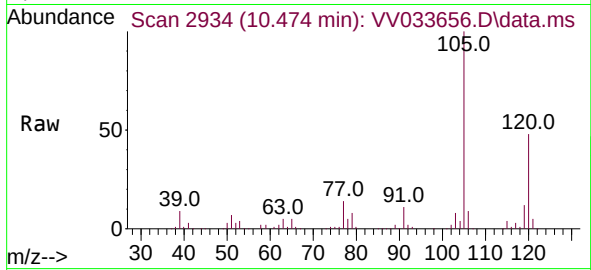




#62
1,3,5-Trimethylbenzene
Concen: 5.434 ug/L
RT: 10.474 min Scan# 2934
Delta R.T. 0.000 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

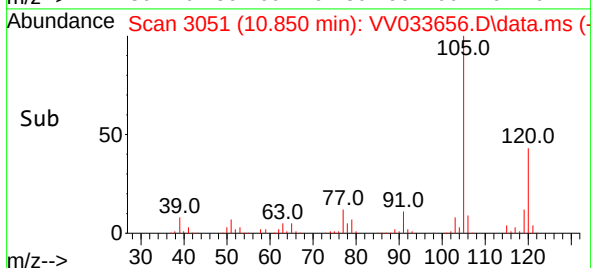
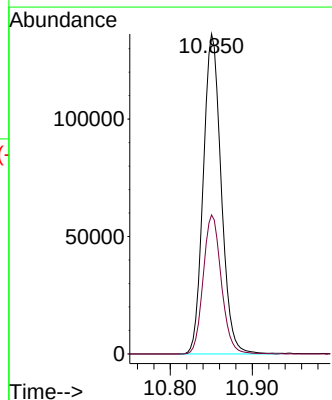
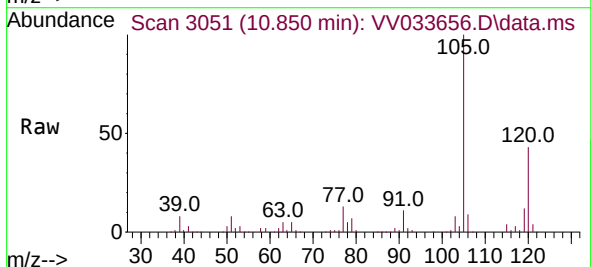
Instrument :
MSVOA_V
ClientSampleId :

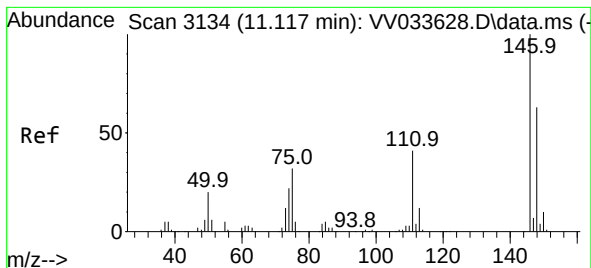
Tgt Ion:105 Resp: 201717
Ion Ratio Lower Upper
105 100
120 47.5 38.3 57.5



#63
1,2,4-Trimethylbenzene
Concen: 5.519 ug/L
RT: 10.850 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

Tgt Ion:105 Resp: 206819
Ion Ratio Lower Upper
105 100
120 43.8 35.5 53.3





#64

1,3-Dichlorobenzene

Concen: 5.367 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

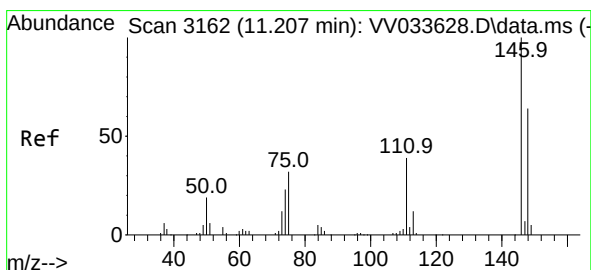
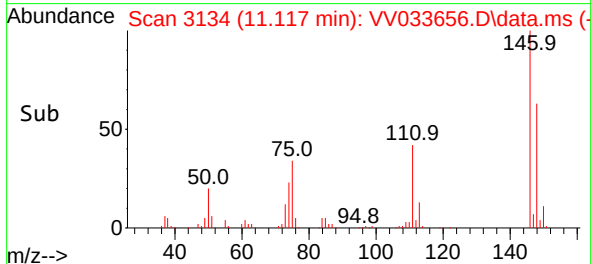
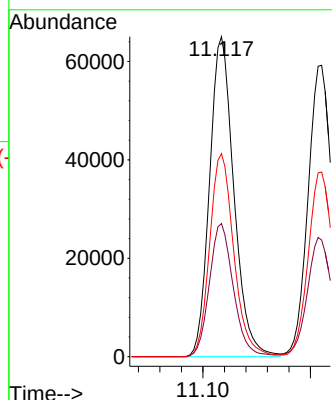
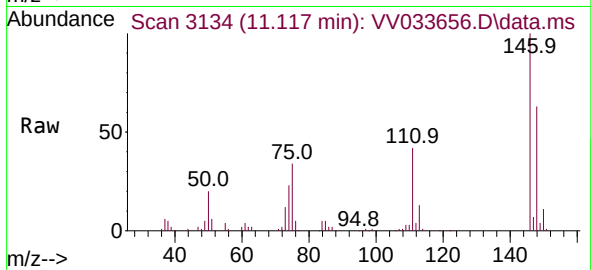
Tgt Ion:146 Resp: 101974

Ion Ratio Lower Upper

146 100

111 41.6 29.2 54.2

148 63.5 44.1 81.9



#65

1,4-Dichlorobenzene

Concen: 5.215 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

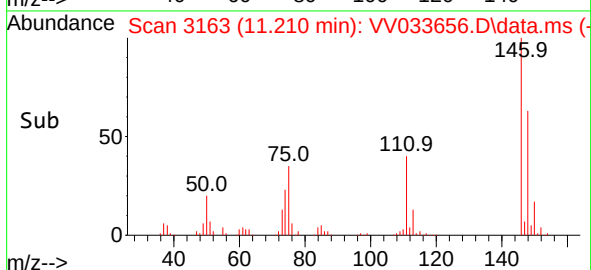
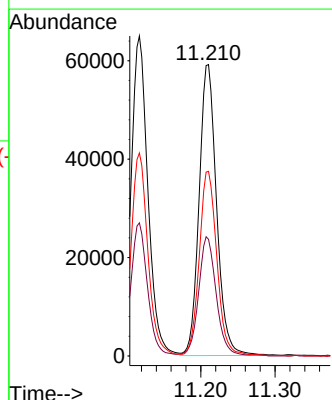
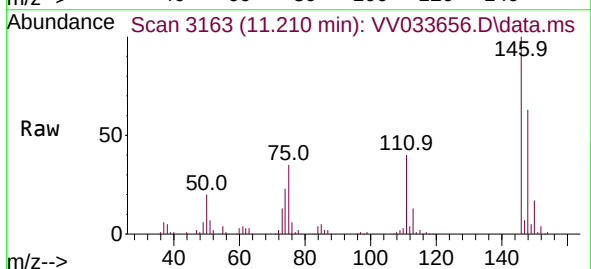
Tgt Ion:146 Resp: 97016

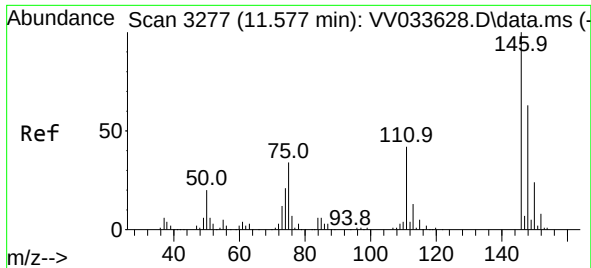
Ion Ratio Lower Upper

146 100

111 40.0 27.5 51.1

148 63.4 43.3 80.5

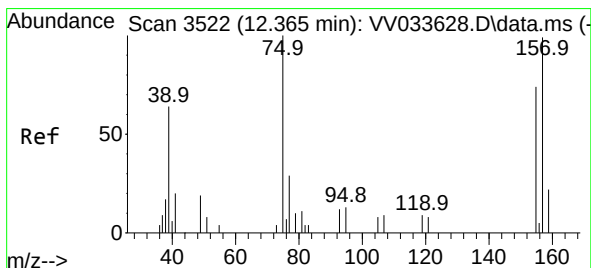
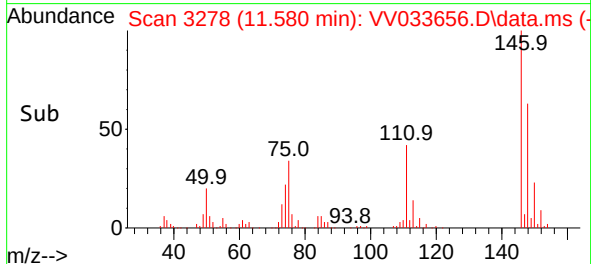
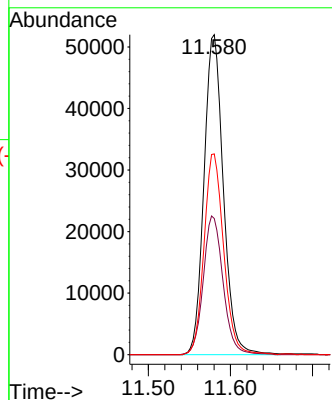
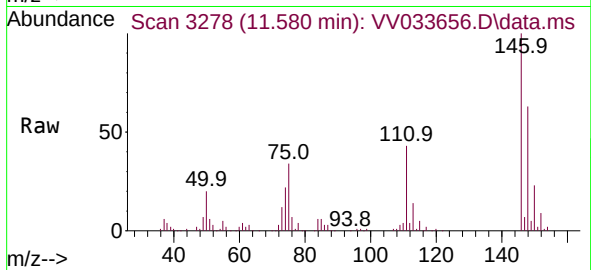




#67
1,2-Dichlorobenzene
Concen: 5.166 ug/L
RT: 11.580 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

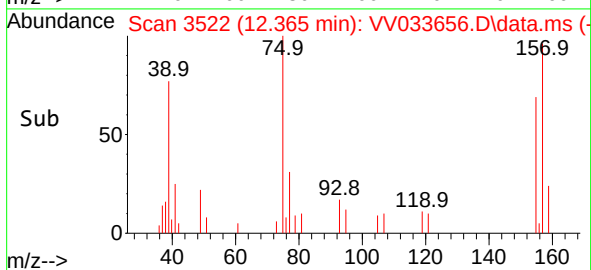
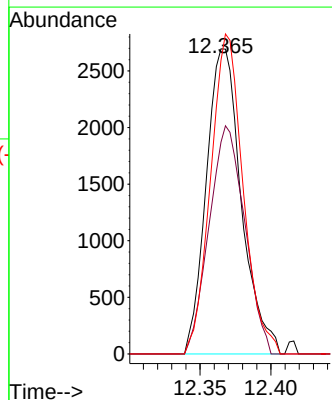
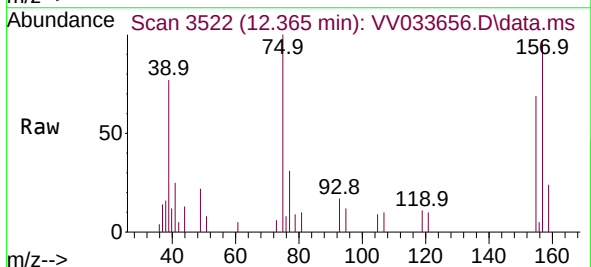
Instrument :
MSVOA_V
ClientSampleId :

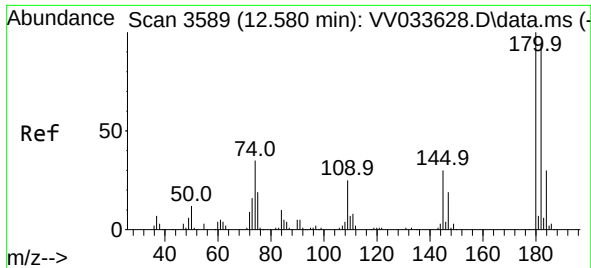
Tgt Ion:146 Resp: 85307
Ion Ratio Lower Upper
146 100
111 42.6 36.1 54.1
148 62.7 52.2 78.2



#68
1,2-Dibromo-3-chloropropane
Concen: 4.857 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. 0.000 min
Lab File: VV033656.D
Acq: 16 Jan 2024 08:53

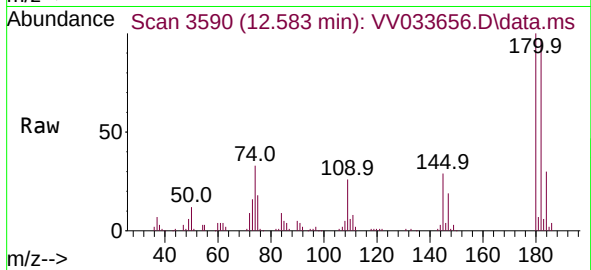
Tgt Ion: 75 Resp: 4646
Ion Ratio Lower Upper
75 100
155 69.4 65.3 97.9
157 96.3 75.4 113.0



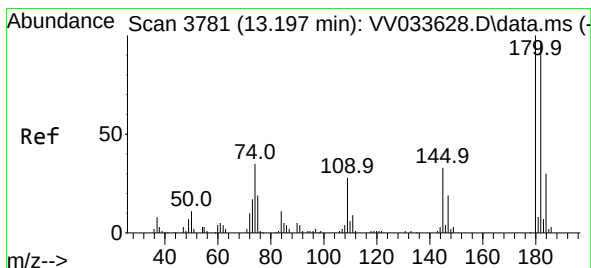
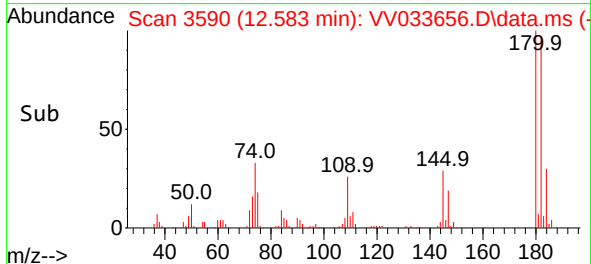
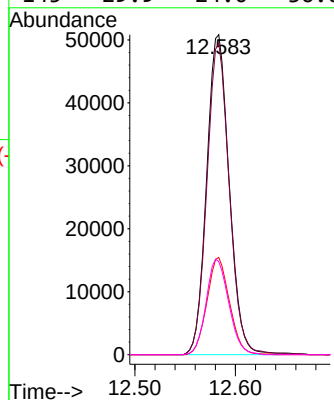


#69
 1,3,5-Trichlorobenzene
 Concen: 5.375 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. 0.003 min
 Lab File: VV033656.D
 Acq: 16 Jan 2024 08:53

Instrument :
 MSVOA_V
 ClientSampleId :

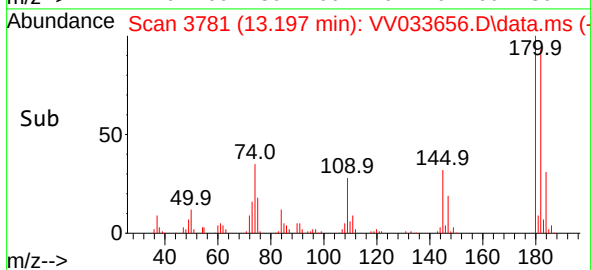
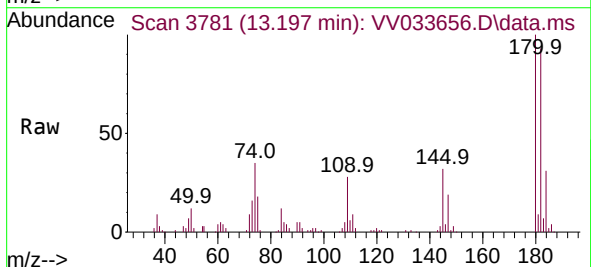
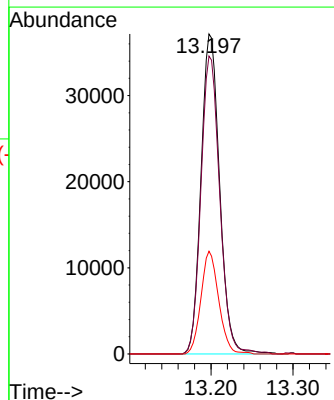


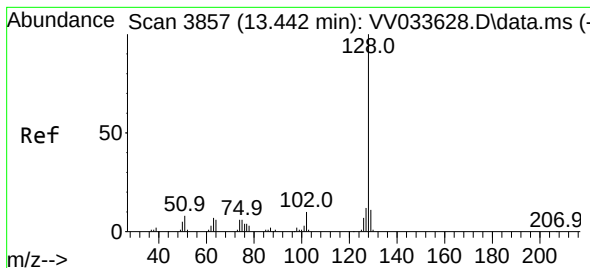
Tgt Ion:180 Resp: 79289
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.4 114.6
 184 30.4 24.2 36.2
 145 29.9 24.0 36.0



#70
 1,2,4-trichlorobenzene
 Concen: 4.751 ug/L
 RT: 13.197 min Scan# 3781
 Delta R.T. 0.000 min
 Lab File: VV033656.D
 Acq: 16 Jan 2024 08:53

Tgt Ion:180 Resp: 58390
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.0 112.6
 145 30.7 24.8 37.2





#71

Naphthalene

Concen: 3.152 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV033656.D

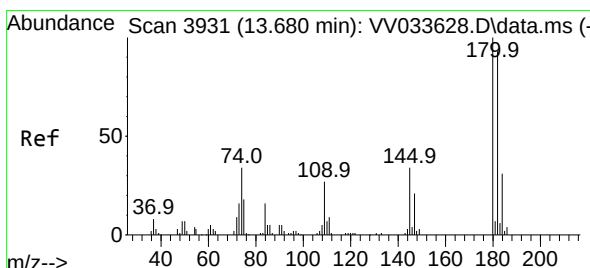
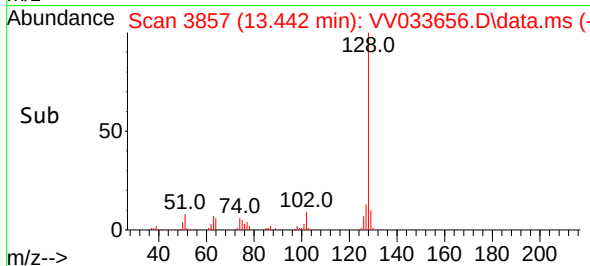
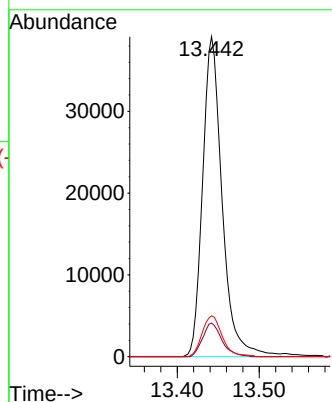
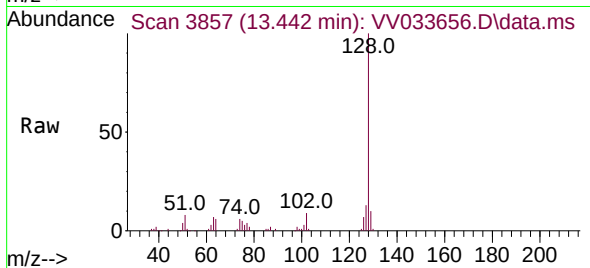
Acq: 16 Jan 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:128	Resp:	64652
Ion Ratio	Lower	Upper
128	100	
129	10.4	8.8 13.2
127	13.1	10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.450 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033656.D

Acq: 16 Jan 2024 08:53

Tgt Ion:180	Resp:	43862
Ion Ratio	Lower	Upper
180	100	
182	95.2	75.0 112.6
145	32.0	26.6 40.0

