

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050724\
 Data File : VV035549.D
 Acq On : 07 May 2024 13:31
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Quant Time: May 08 02:42:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 02:24:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	427339	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	440329	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	225299	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	131706	19.940	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.760%
7) Chloroethane-d5	1.529	69	113680	21.334	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.320%
11) 1,1-Dichloroethene-d2	2.053	65	60133	20.564	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.240%
21) 2-Butanone-d5	3.844	46	87432m	46.644	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.280%
24) Chloroform-d	4.246	84	272898	21.480	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.920%
26) 1,2-Dichloroethane-d4	4.940	65	141645	22.553	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.200%
32) Benzene-d6	4.957	84	519023	21.533	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.120%
36) 1,2-Dichloropropane-d6	5.985	67	166484	22.381	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.520%
41) Toluene-d8	7.239	98	447207	20.847	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.400%
43) trans-1,3-Dichloroprop...	7.554	79	67259	21.142	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.560%
47) 2-Hexanone-d5	8.030	63	60364	45.130	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.260%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	164719	22.980	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.920%
66) 1,2-Dichlorobenzene-d4	11.558	152	182871	23.388	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	10204	1.174	ug/L	99
3) Chloromethane	1.211	50	12175	1.396	ug/L	99
5) Vinyl chloride	1.278	62	11265	1.250	ug/L	83
6) Bromomethane	1.484	94	7298	1.279	ug/L	95
8) Chloroethane	1.545	64	6346	1.142	ug/L	89
9) Trichlorofluoromethane	1.709	101	13686	1.163	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	10046	1.354	ug/L	92
12) 1,1-Dichloroethene	2.063	96	9149	1.365	ug/L #	1
13) Acetone	2.156	43	7627m	2.780	ug/L	
14) Carbon disulfide	2.236	76	27733	1.306	ug/L	99
15) Methyl Acetate	2.394	43	5241m	1.261	ug/L	
16) Methylene chloride	2.442	84	43099	4.374	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	8384	1.127	ug/L	87
18) Methyl tert-butyl Ether	2.703	73	17551	0.978	ug/L	99
19) 1,1-Dichloroethane	3.111	63	14929	1.070	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	8270	1.025	ug/L	94
22) 2-Butanone	3.953	43	6538m	2.566	ug/L	
23) Bromochloromethane	4.156	128	4050m	1.038	ug/L	
25) Chloroform	4.275	83	18071	1.254	ug/L	97

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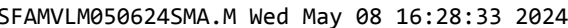
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 ClientSampleId :
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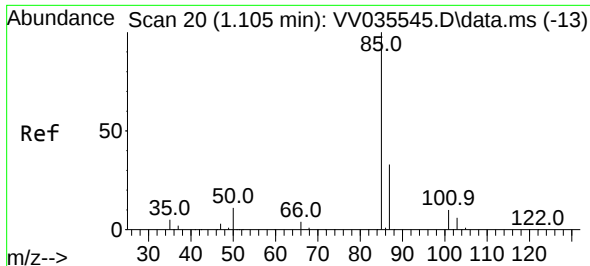
Quant Time: May 08 02:42:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 02:24:43 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.063	62	10249m	1.142	ug/L	
29) Cyclohexane	4.580	56	10540	1.001	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	13510	1.107	ug/L	100
31) Carbon tetrachloride	4.731	117	11351	1.060	ug/L	93
33) Benzene	5.014	78	31947	1.096	ug/L	100
34) Trichloroethene	5.841	95	9238	1.121	ug/L	96
35) Methylcyclohexane	6.046	83	12595	1.006	ug/L	94
37) 1,2-Dichloropropane	6.101	63	8318m	1.094	ug/L	
38) Bromodichloromethane	6.442	83	10849	1.053	ug/L	89
39) cis-1,3-Dichloropropene	6.966	75	12435m	1.046	ug/L	
40) 4-Methyl-2-pentanone	7.175	43	10180m	2.236	ug/L	
42) Toluene	7.323	91	34039	1.104	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	11011m	1.058	ug/L	
45) 1,1,2-Trichloroethane	7.780	97	6831	1.057	ug/L	92
46) Tetrachloroethene	7.908	164	7447	1.112	ug/L	93
48) 2-Hexanone	8.095	43	8540m	2.501	ug/L	
49) Dibromochloromethane	8.181	129	7298	1.001	ug/L	92
50) 1,2-Dibromoethane	8.291	107	6195	0.973	ug/L #	92
51) Chlorobenzene	8.815	112	23480	1.097	ug/L	99
52) Ethylbenzene	8.953	91	32274	0.948	ug/L	97
53) m,p-Xylene	9.079	106	11949m	0.925	ug/L	
54) o-Xylene	9.480	106	10778m	0.880	ug/L	
55) Styrene	9.506	104	16563m	0.776	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.178	83	8808	1.119	ug/L #	96
59) Bromoform	9.670	173	4935	1.115	ug/L #	97
60) Isopropylbenzene	9.869	105	27684	0.922	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	6039	1.144	ug/L	94
62) 1,3,5-Trimethylbenzene	10.477	105	19457	0.826	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	19415	0.802	ug/L	98
64) 1,3-Dichlorobenzene	11.123	146	16118	1.023	ug/L	97
65) 1,4-Dichlorobenzene	11.210	146	19213	1.178	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	17090	1.153	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.371	75	1576	1.287	ug/L	95
69) 1,3,5-Trichlorobenzene	12.586	180	12755	1.036	ug/L	96
70) 1,2,4-trichlorobenzene	13.201	180	10160	0.989	ug/L	95
71) Naphthalene	13.445	128	16386m	0.908	ug/L	
72) 1,2,3-Trichlorobenzene	13.683	180	8984	0.972	ug/L	99

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

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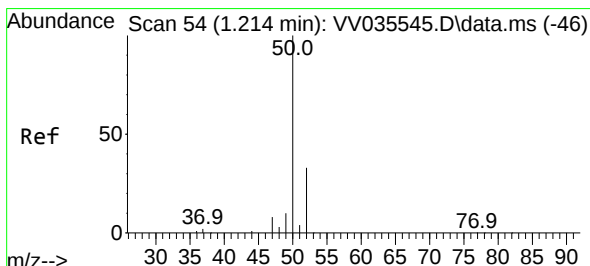
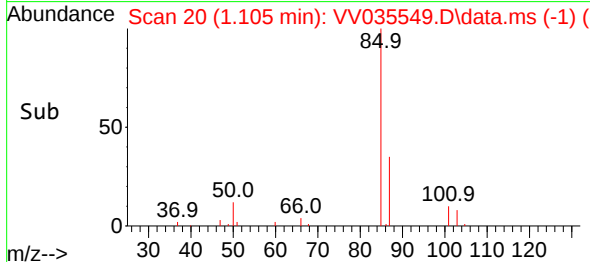
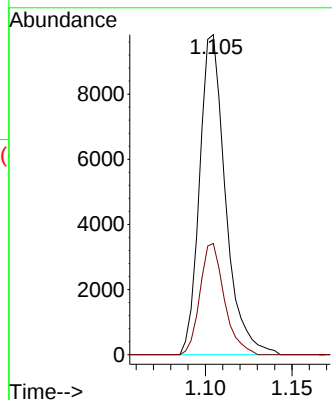
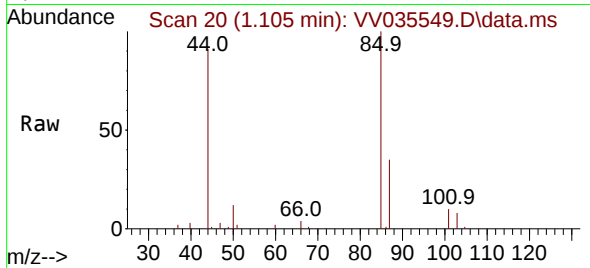




#2
Dichlorodifluoromethane
Concen: 1.174 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

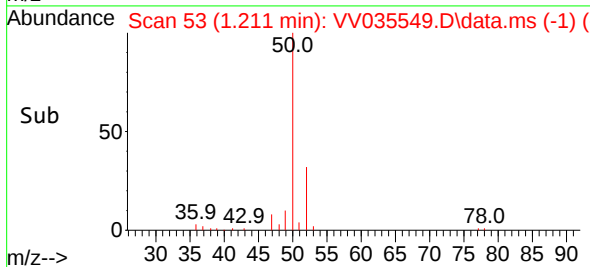
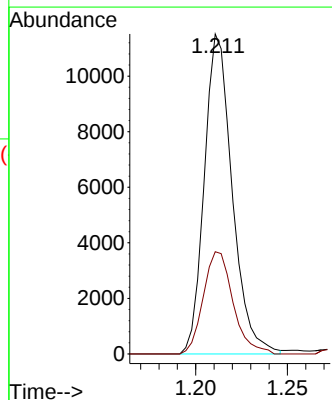
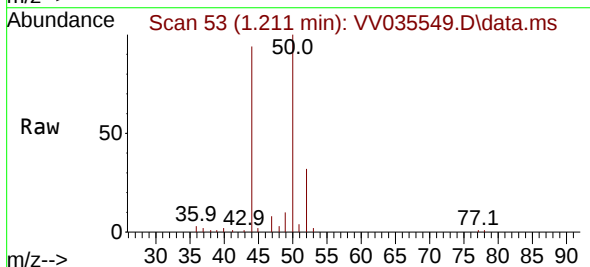
Instrument :
MSVOA_V
ClientSampleId :
MDL03

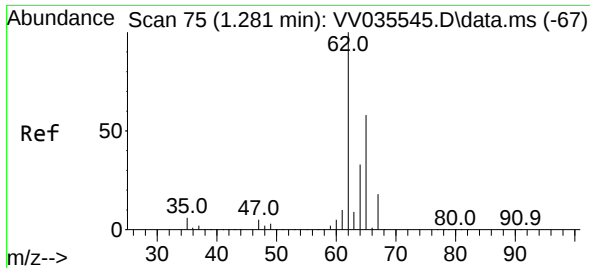
Tgt Ion: 85 Resp: 10204
Ion Ratio Lower Upper
85 100
87 32.7 25.8 38.6



#3
Chloromethane
Concen: 1.396 ug/L
RT: 1.211 min Scan# 53
Delta R.T. -0.003 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

Tgt Ion: 50 Resp: 12175
Ion Ratio Lower Upper
50 100
52 32.0 22.7 42.1

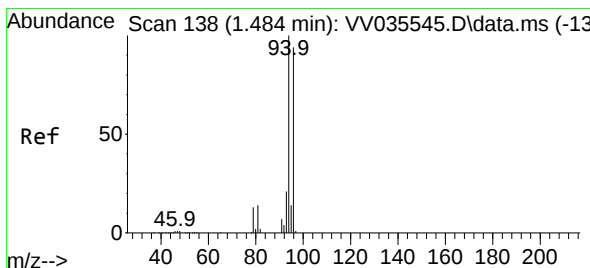
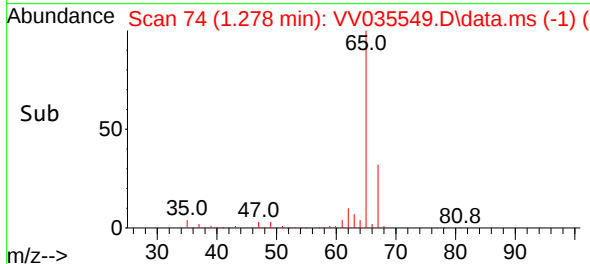
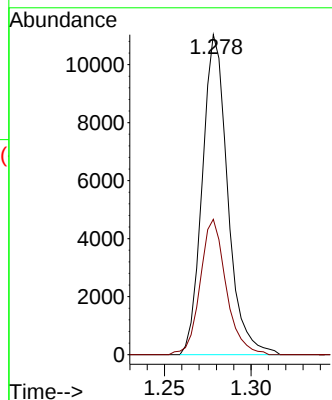
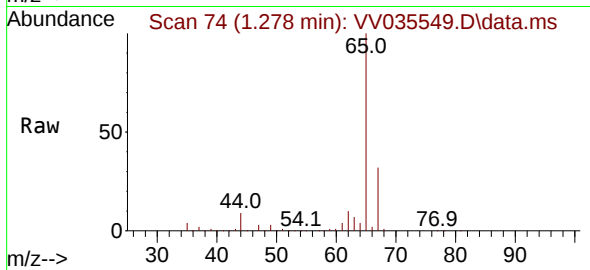




#5
 Vinyl chloride
 Concen: 1.250 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. -0.003 min
 Lab File: VV035549.D
 Acq: 07 May 2024 13:31

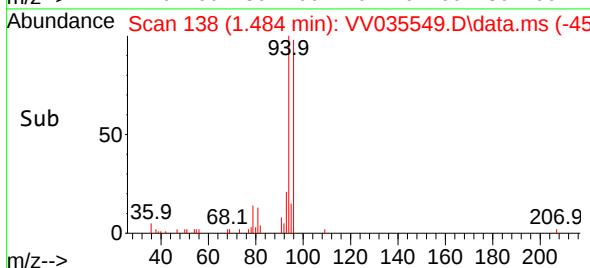
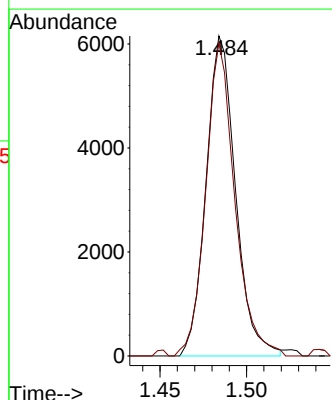
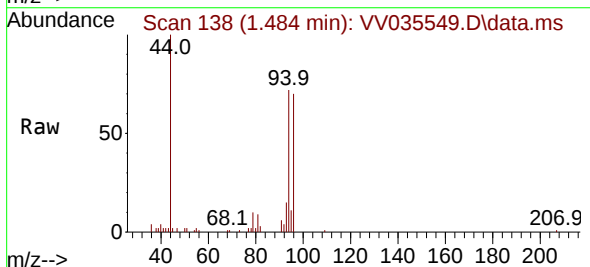
Instrument :
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 ClientSampleId :
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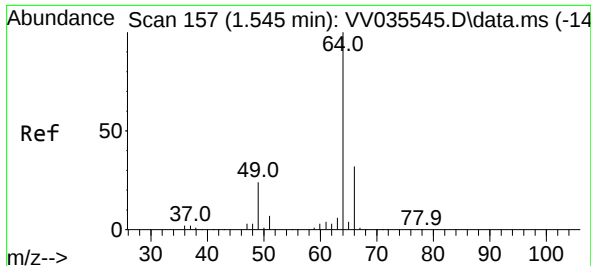
Tgt Ion: 62 Resp: 11265
 Ion Ratio Lower Upper
 62 100
 64 42.3 23.0 42.6



#6
 Bromomethane
 Concen: 1.279 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV035549.D
 Acq: 07 May 2024 13:31

Tgt Ion: 94 Resp: 7298
 Ion Ratio Lower Upper
 94 100
 96 97.7 65.2 121.0

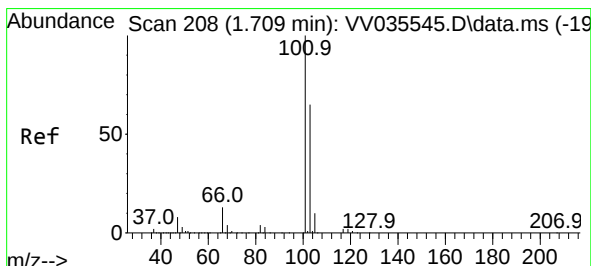
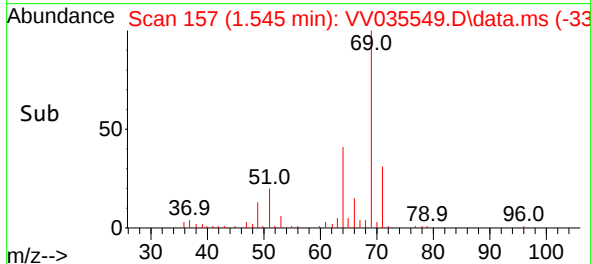
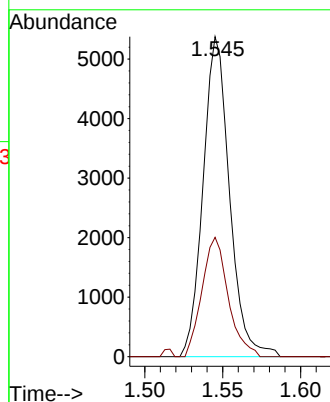
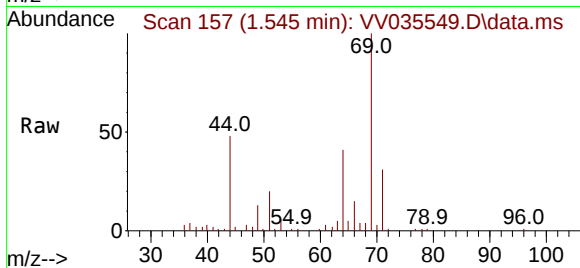




#8
Chloroethane
Concen: 1.142 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

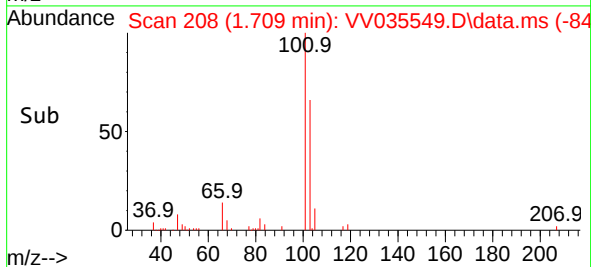
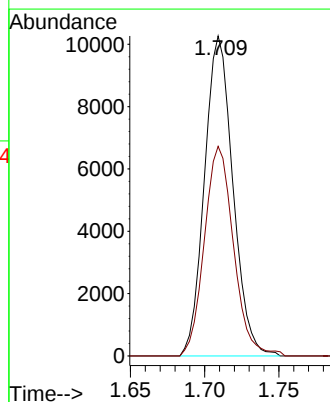
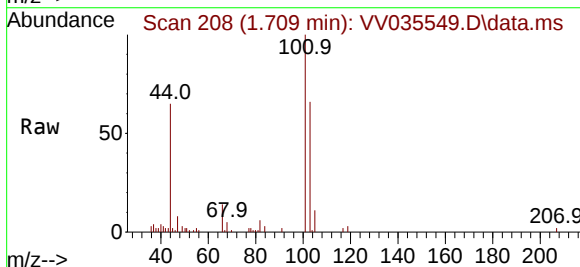
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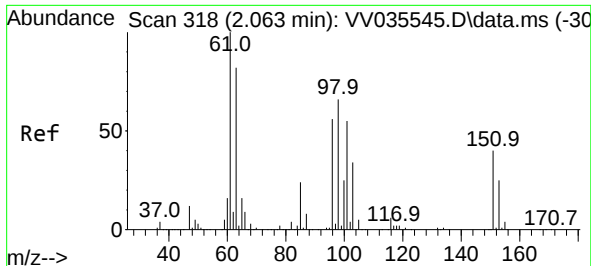
Tgt Ion: 64 Resp: 6346
Ion Ratio Lower Upper
64 100
66 37.3 22.0 40.8



#9
Trichlorofluoromethane
Concen: 1.163 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.000 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

Tgt Ion:101 Resp: 13686
Ion Ratio Lower Upper
101 100
103 66.6 51.5 77.3

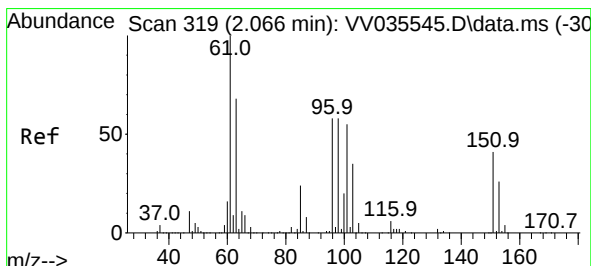
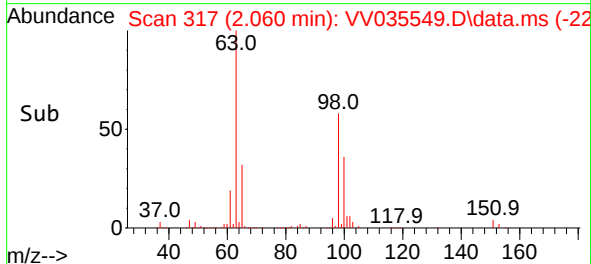
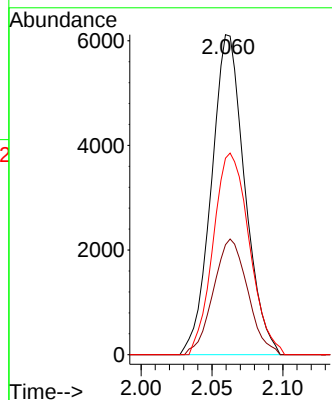
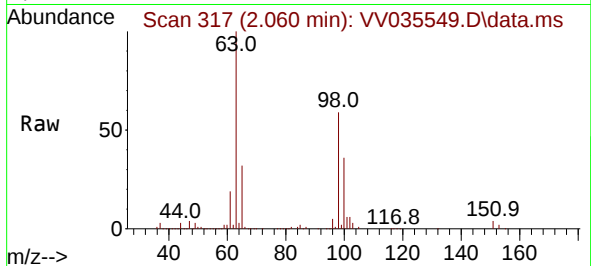




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.354 ug/L
RT: 2.060 min Scan# 317
Delta R.T. -0.003 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

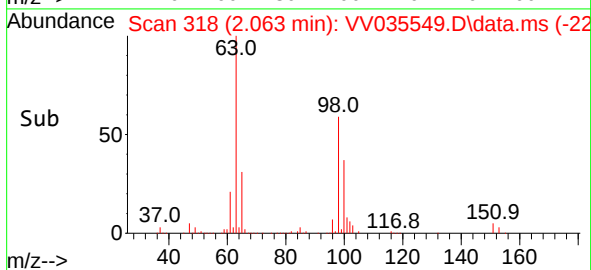
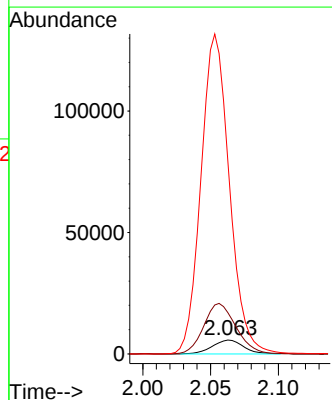
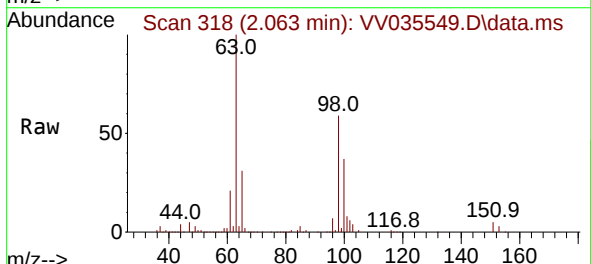
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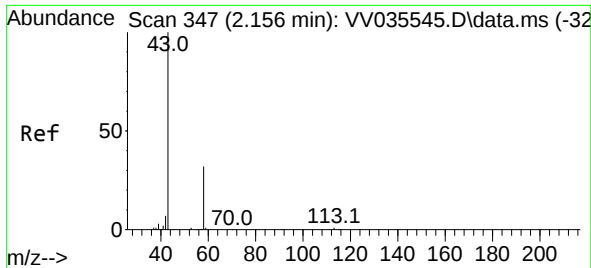
Tgt Ion:101 Resp: 10046
Ion Ratio Lower Upper
101 100
85 37.1 34.2 51.4
151 68.3 59.5 89.3



#12
1,1-Dichloroethene
Concen: 1.365 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.003 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

Tgt Ion: 96 Resp: 9149
Ion Ratio Lower Upper
96 100
61 296.9 119.8 222.4#
63 1382.4 75.6 140.4#





#13

Acetone

Concen: 2.780 ug/L m

RT: 2.156 min Scan# 347

Delta R.T. -0.000 min

Lab File: VV035549.D

Acq: 07 May 2024 13:31

Instrument :

MSVOA_V

ClientSampleId :

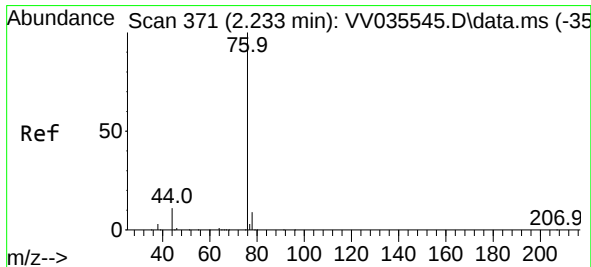
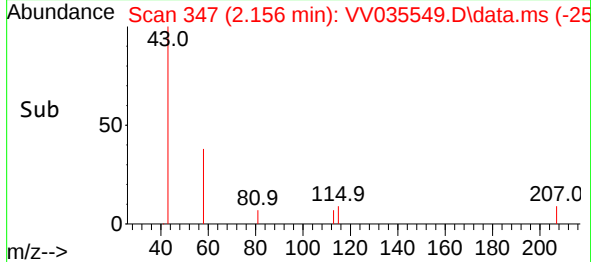
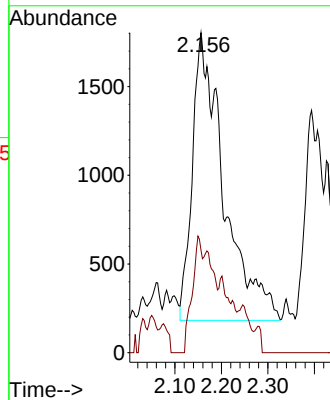
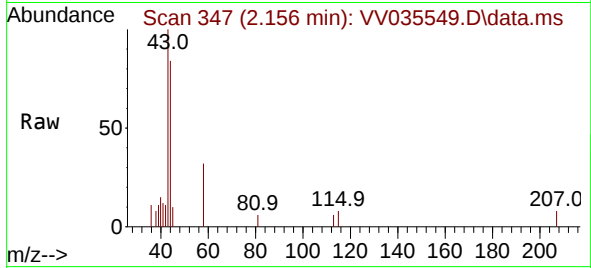
MDL03

Tgt Ion: 43 Resp: 7627

Ion Ratio Lower Upper

43 100

58 12.8 0.0 22.8



#14

Carbon disulfide

Concen: 1.306 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.003 min

Lab File: VV035549.D

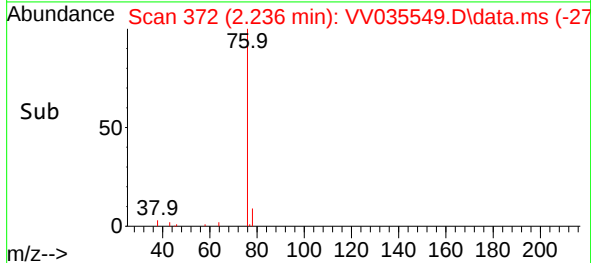
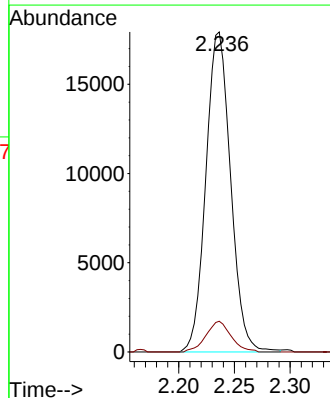
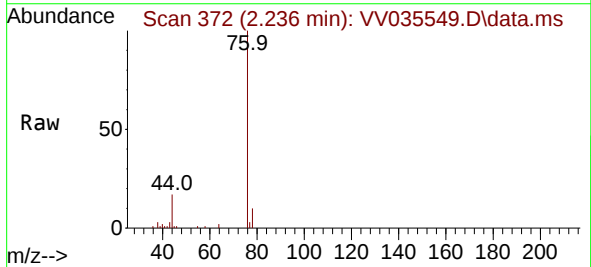
Acq: 07 May 2024 13:31

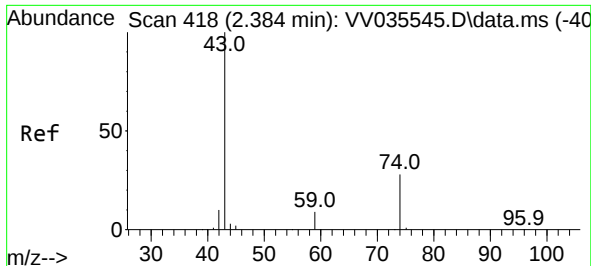
Tgt Ion: 76 Resp: 27733

Ion Ratio Lower Upper

76 100

78 9.6 7.5 11.3

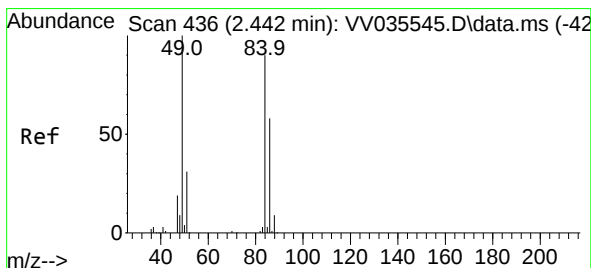
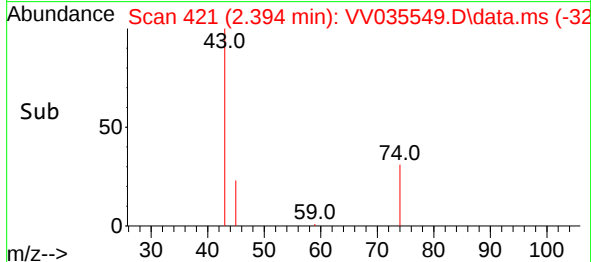
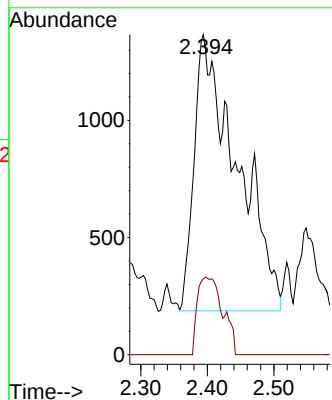
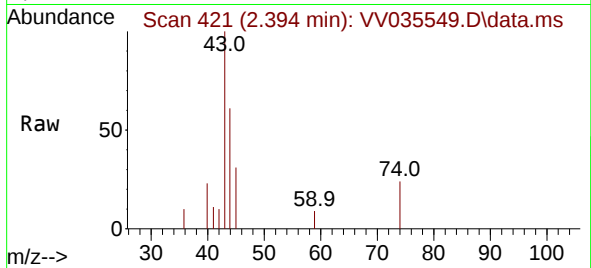




#15
Methyl Acetate
Concen: 1.261 ug/L m
RT: 2.394 min Scan# 418
Delta R.T. 0.010 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

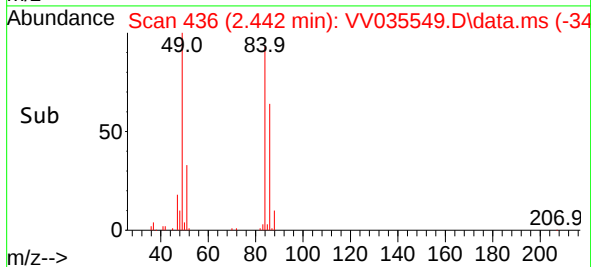
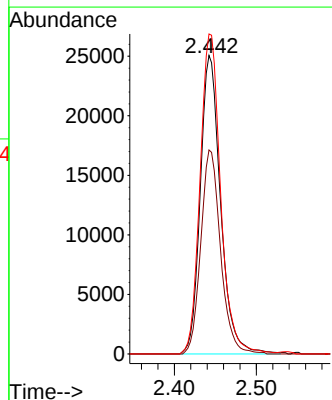
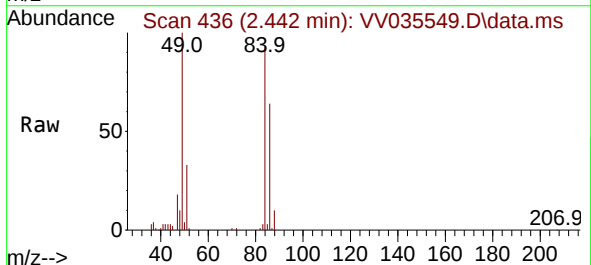
Instrument :
MSVOA_V
ClientSampleId :
MDL03

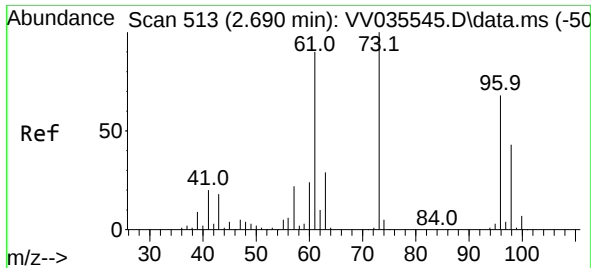
Tgt Ion: 43 Resp: 5241
Ion Ratio Lower Upper
43 100
74 8.3 18.6 27.8#



#16
Methylene chloride
Concen: 4.374 ug/L
RT: 2.442 min Scan# 436
Delta R.T. -0.000 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

Tgt Ion: 84 Resp: 43099
Ion Ratio Lower Upper
84 100
86 68.3 43.8 81.3
49 107.2 75.3 139.9

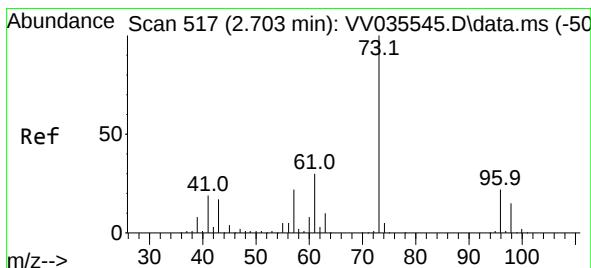
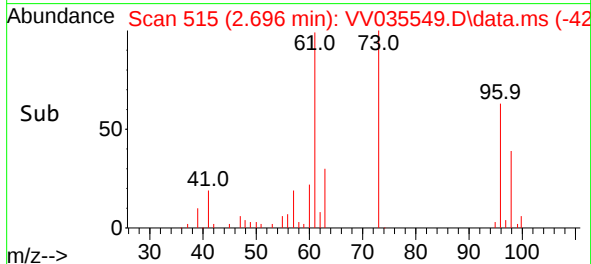
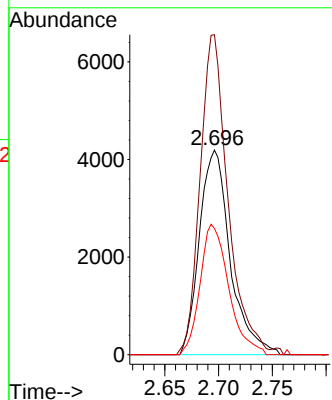
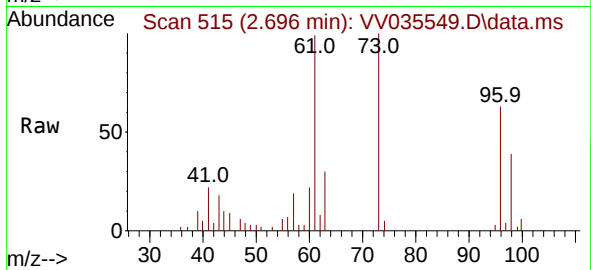




#17
trans-1,2-Dichloroethene
Concen: 1.127 ug/L
RT: 2.696 min Scan# 513
Delta R.T. 0.006 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

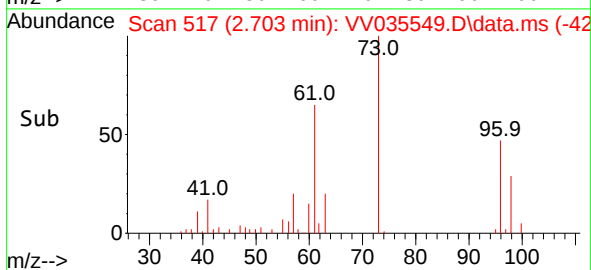
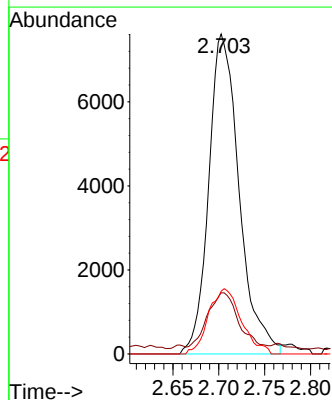
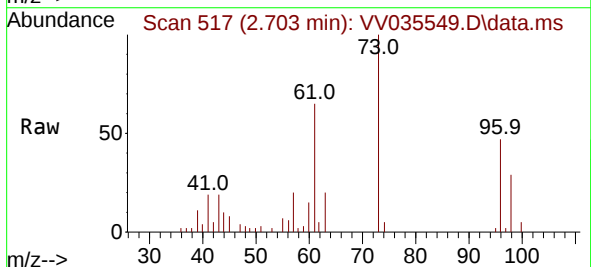
Instrument :
MSVOA_V
ClientSampleId :
MDL03

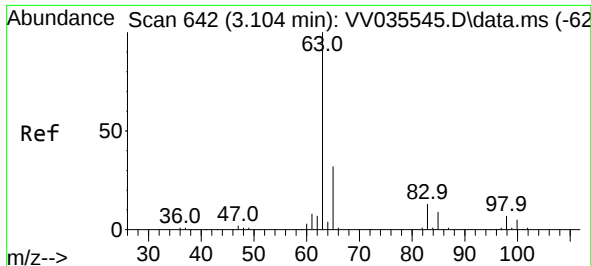
Tgt Ion: 96 Resp: 8384
Ion Ratio Lower Upper
96 100
61 156.4 95.5 177.4
98 61.7 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 0.978 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

Tgt Ion: 73 Resp: 17551
Ion Ratio Lower Upper
73 100
43 16.9 13.3 19.9
57 21.4 17.4 26.2





#19

1,1-Dichloroethane

Concen: 1.070 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.006 min

Lab File: VV035549.D

Acq: 07 May 2024 13:31

Instrument :

MSVOA_V

ClientSampleId :

MDL03

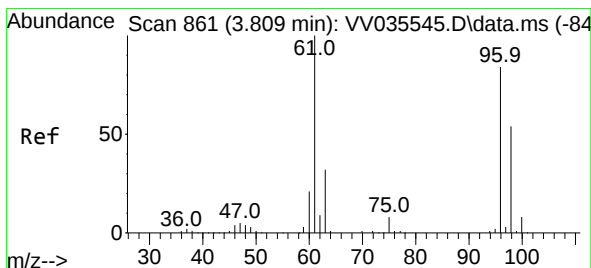
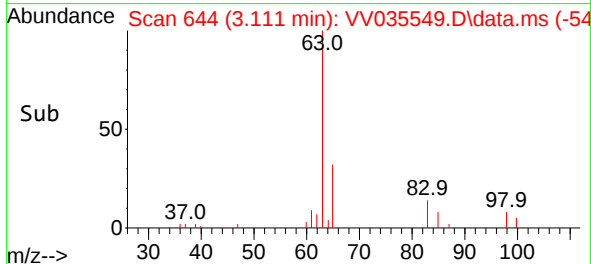
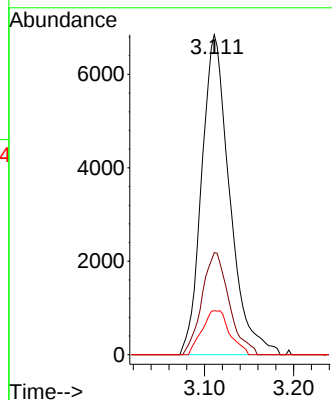
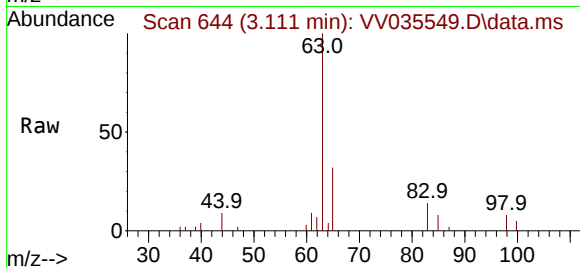
Tgt Ion: 63 Resp: 14929

Ion Ratio Lower Upper

63 100

65 31.9 22.7 42.3

83 13.7 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 1.025 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.016 min

Lab File: VV035549.D

Acq: 07 May 2024 13:31

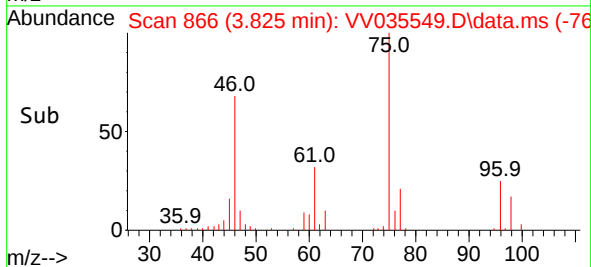
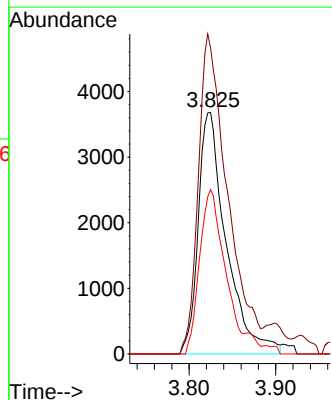
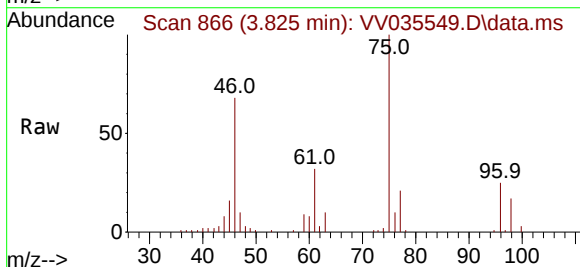
Tgt Ion: 96 Resp: 8270

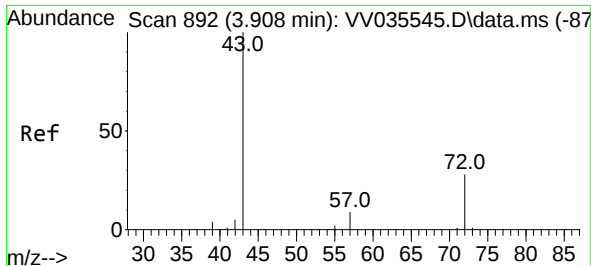
Ion Ratio Lower Upper

96 100

61 126.7 83.9 155.9

98 68.0 44.0 81.8

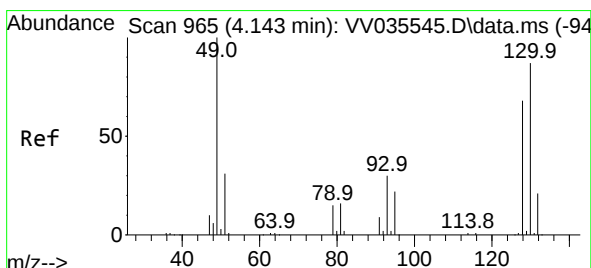
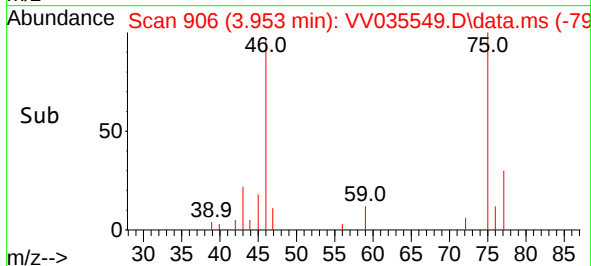
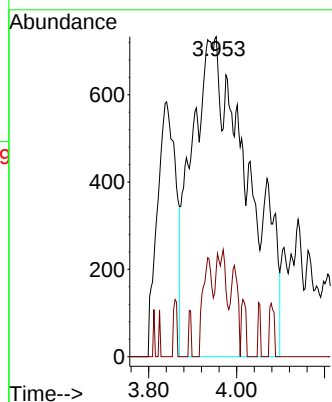
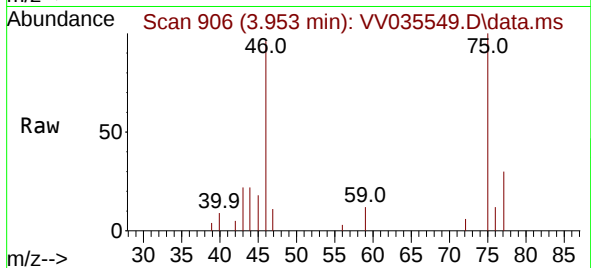




#22
2-Butanone
Concen: 2.566 ug/L m
RT: 3.953 min Scan# 906
Delta R.T. 0.045 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

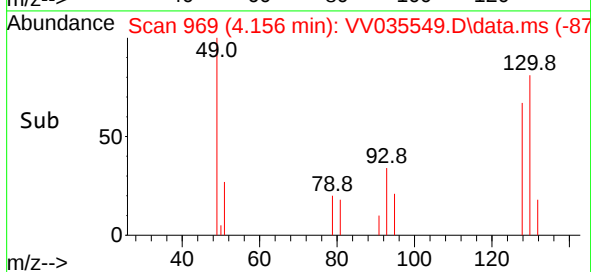
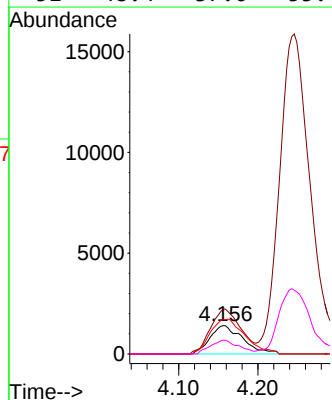
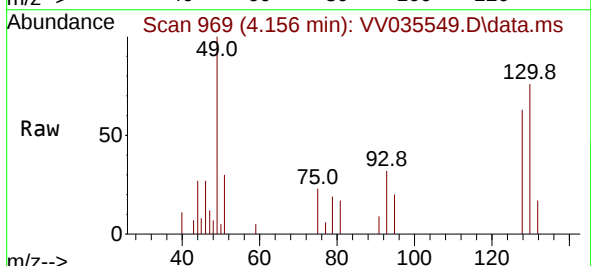
Instrument :
MSVOA_V
ClientSampleId :
MDL03

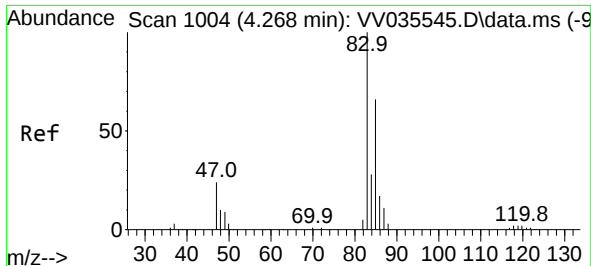
Tgt Ion: 43 Resp: 6538
Ion Ratio Lower Upper
43 100
72 1.1 12.3 36.9#



#23
Bromochloromethane
Concen: 1.038 ug/L m
RT: 4.156 min Scan# 969
Delta R.T. 0.013 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

Tgt Ion: 128 Resp: 4050
Ion Ratio Lower Upper
128 100
49 159.0 103.1 191.5
130 121.1 91.8 170.4
51 48.4 37.0 55.4





#25

Chloroform

Concen: 1.254 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. 0.006 min

Lab File: VV035549.D

Acq: 07 May 2024 13:31

Instrument :

MSVOA_V

ClientSampleId :

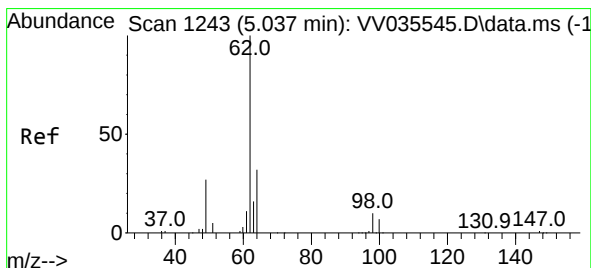
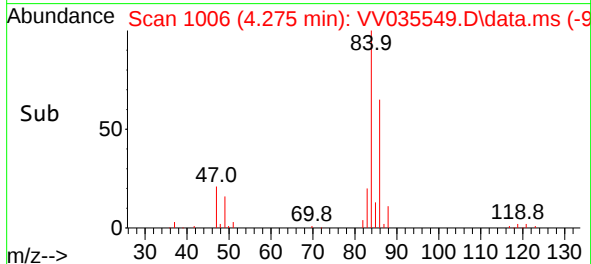
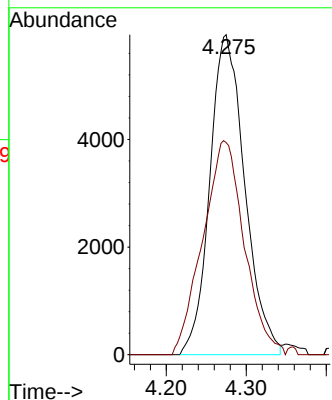
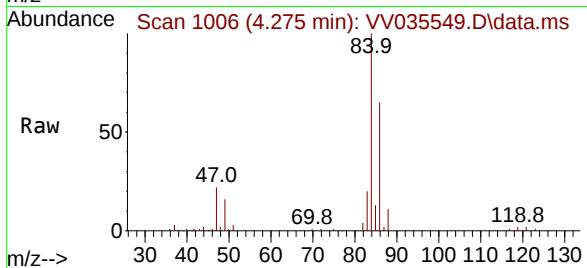
MDL03

Tgt Ion: 83 Resp: 18071

Ion Ratio Lower Upper

83 100

85 66.3 44.7 82.9



#27

1,2-Dichloroethane

Concen: 1.142 ug/L m

RT: 5.063 min Scan# 1251

Delta R.T. 0.026 min

Lab File: VV035549.D

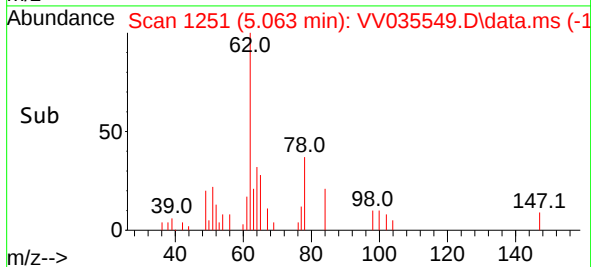
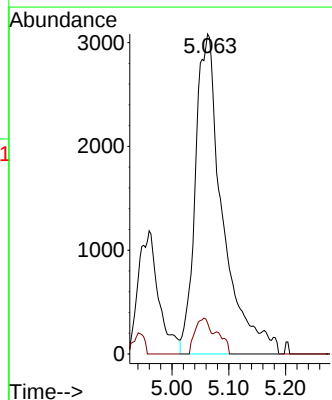
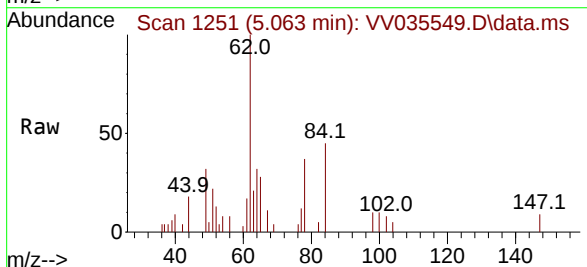
Acq: 07 May 2024 13:31

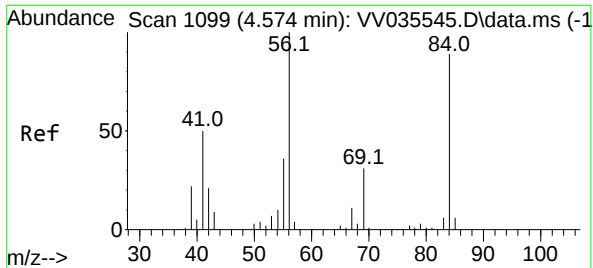
Tgt Ion: 62 Resp: 10249

Ion Ratio Lower Upper

62 100

98 9.7 8.2 12.2





#29

Cyclohexane

Concen: 1.001 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.006 min

Lab File: VV035549.D

Acq: 07 May 2024 13:31

Instrument :

MSVOA_V

ClientSampleId :

MDL03

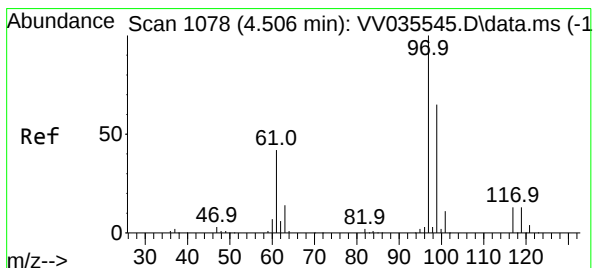
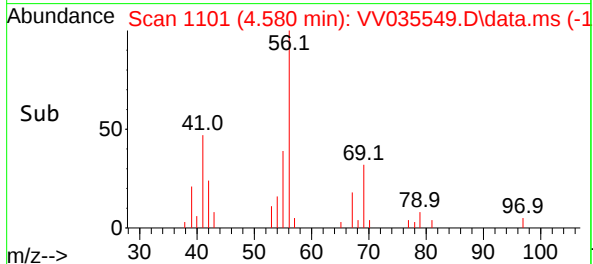
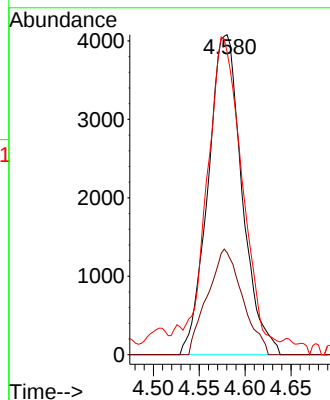
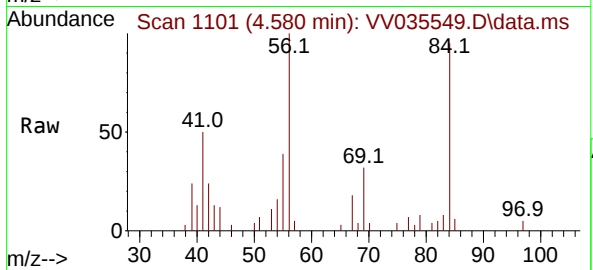
Tgt Ion: 56 Resp: 10540

Ion Ratio Lower Upper

56 100

69 33.8 25.6 38.4

84 95.0 74.8 112.2



#30

1,1,1-Trichloroethane

Concen: 1.107 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.006 min

Lab File: VV035549.D

Acq: 07 May 2024 13:31

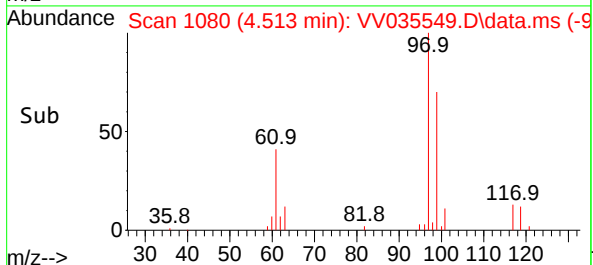
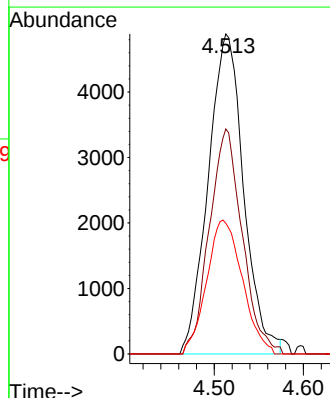
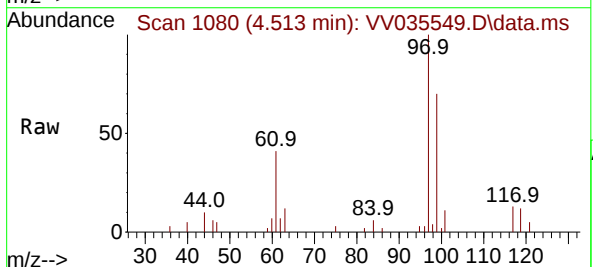
Tgt Ion: 97 Resp: 13510

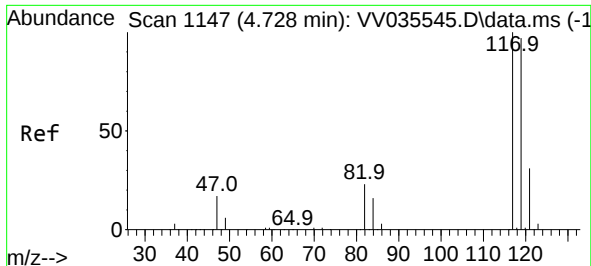
Ion Ratio Lower Upper

97 100

99 64.9 51.7 77.5

61 42.2 33.5 50.3

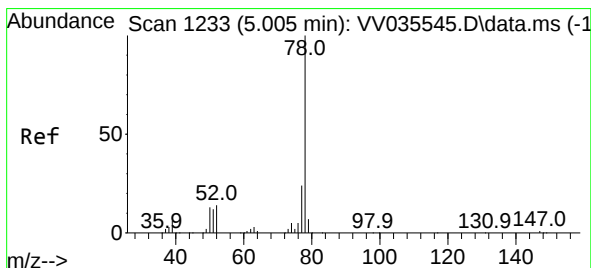
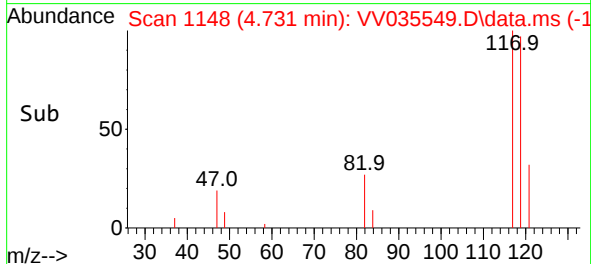
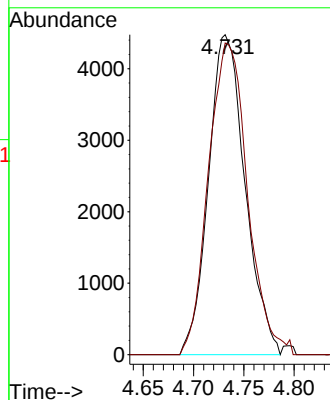
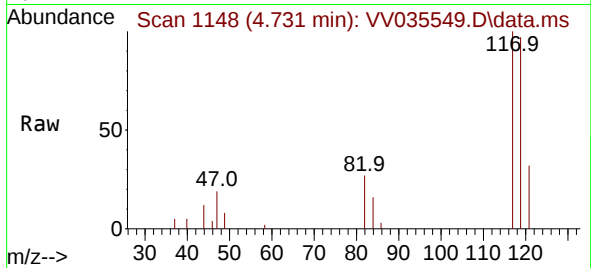




#31
Carbon tetrachloride
Concen: 1.060 ug/L
RT: 4.731 min Scan# 1147
Delta R.T. 0.003 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

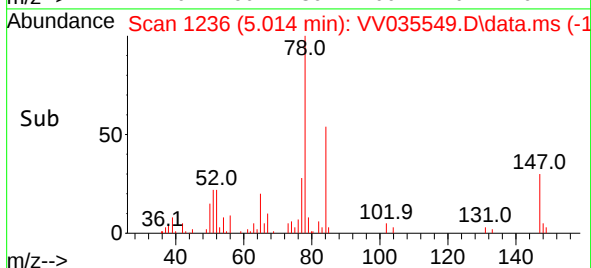
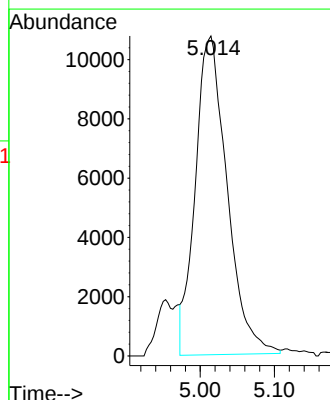
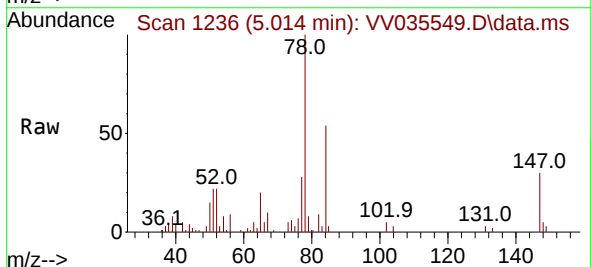
Instrument :
MSVOA_V
ClientSampleId :
MDL03

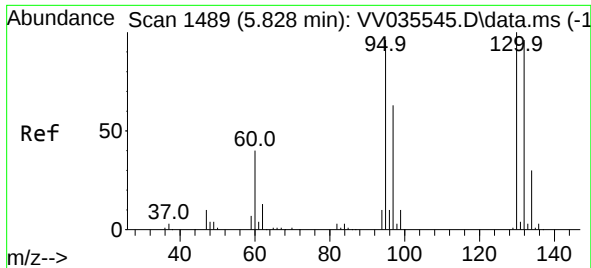
Tgt Ion:117 Resp: 11351
Ion Ratio Lower Upper
117 100
119 103.6 77.3 115.9



#33
Benzene
Concen: 1.096 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.010 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

Tgt Ion: 78 Resp: 31947



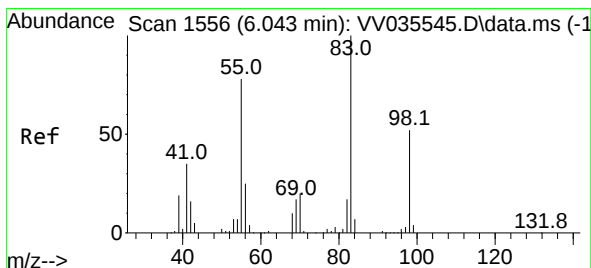
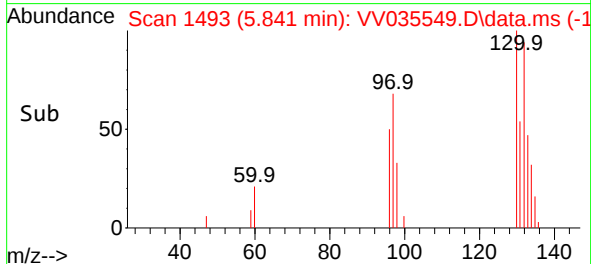
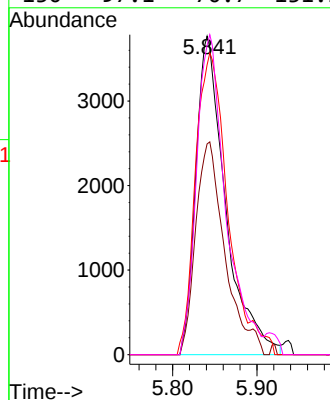
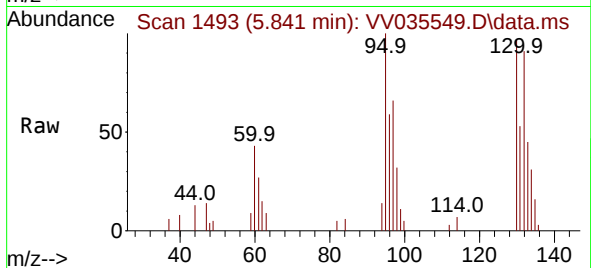


#34
Trichloroethene
Concen: 1.121 ug/L
RT: 5.841 min Scan# 1489
Delta R.T. 0.013 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion: 95 Resp: 9238

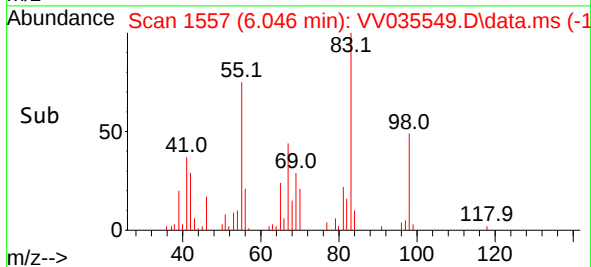
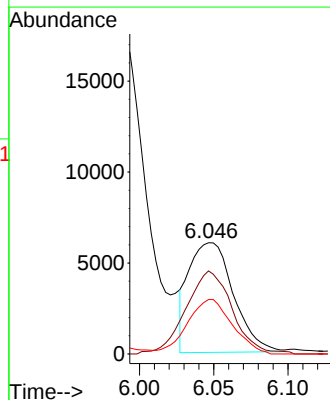
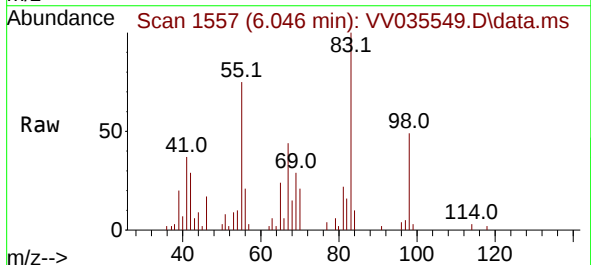
Ion	Ratio	Lower	Upper
95	100		
97	66.1	43.8	81.4
132	91.0	67.1	124.7
130	97.1	70.7	131.3

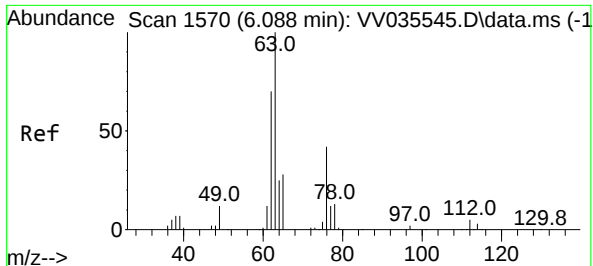


#35
Methylcyclohexane
Concen: 1.006 ug/L
RT: 6.046 min Scan# 1557
Delta R.T. 0.003 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

Tgt Ion: 83 Resp: 12595

Ion	Ratio	Lower	Upper
83	100		
55	78.3	57.5	86.3
98	50.0	38.6	58.0





#37

1,2-Dichloropropane

Concen: 1.094 ug/L m

RT: 6.101 min Scan# 1

Delta R.T. 0.013 min

Lab File: VV035549.D

Acq: 07 May 2024 13:31

Instrument :

MSVOA_V

ClientSampleId :

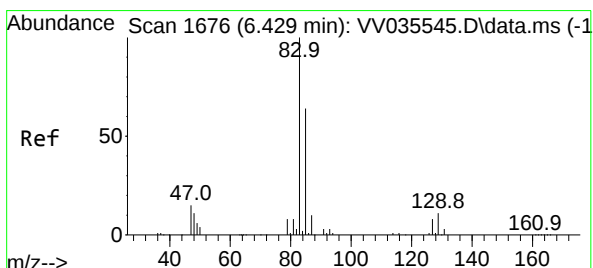
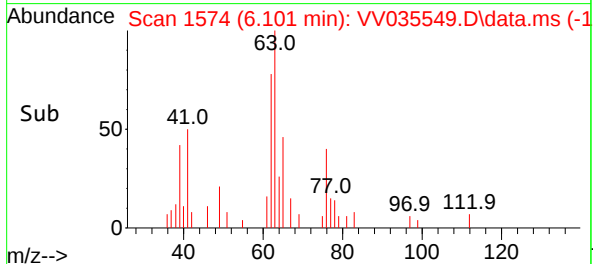
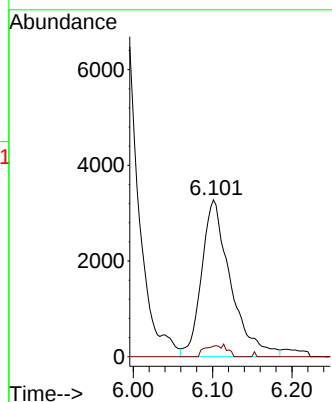
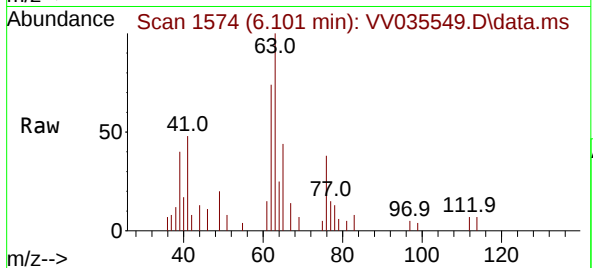
MDL03

Tgt Ion: 63 Resp: 8318

Ion Ratio Lower Upper

63 100

112 4.0 3.8 5.6



#38

Bromodichloromethane

Concen: 1.053 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.013 min

Lab File: VV035549.D

Acq: 07 May 2024 13:31

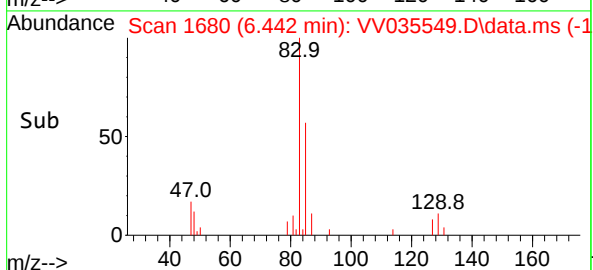
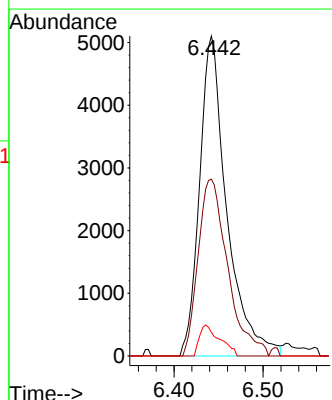
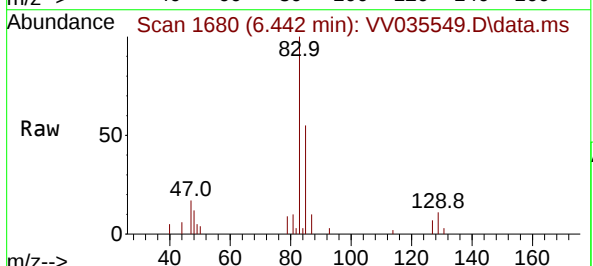
Tgt Ion: 83 Resp: 10849

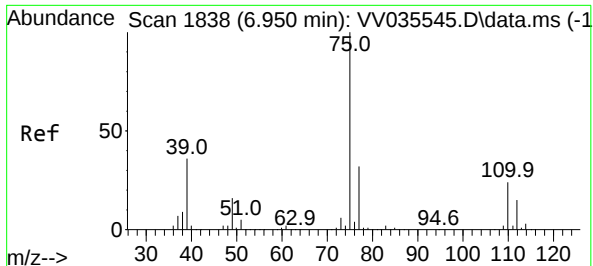
Ion Ratio Lower Upper

83 100

85 55.2 45.1 83.9

127 7.4 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 1.046 ug/L m

RT: 6.966 min Scan# 11

Delta R.T. 0.016 min

Lab File: VV035549.D

Acq: 07 May 2024 13:31

Instrument :

MSVOA_V

ClientSampleId :

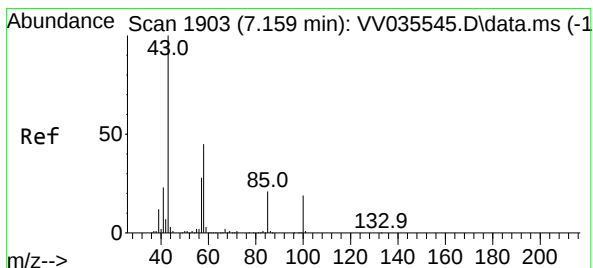
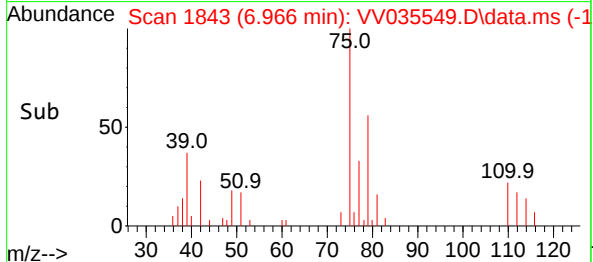
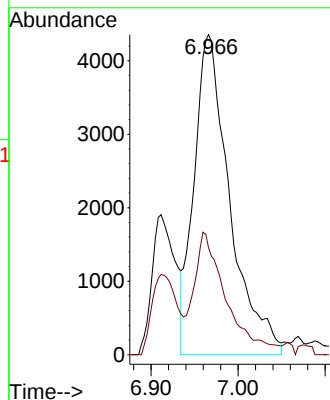
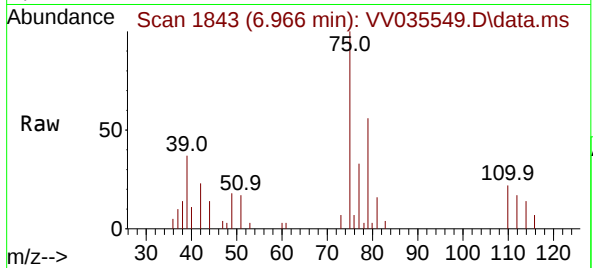
MDL03

Tgt Ion: 75 Resp: 12435

Ion Ratio Lower Upper

75 100

77 33.4 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 2.236 ug/L m

RT: 7.175 min Scan# 1908

Delta R.T. 0.016 min

Lab File: VV035549.D

Acq: 07 May 2024 13:31

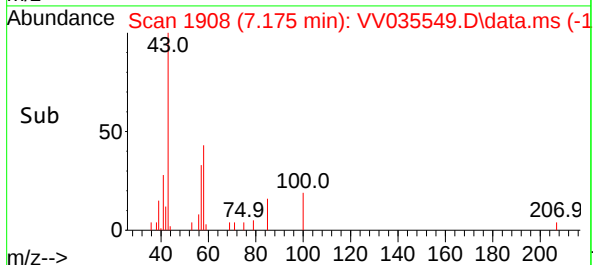
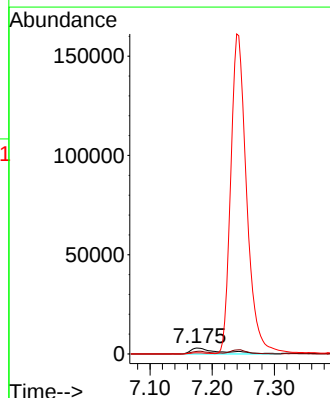
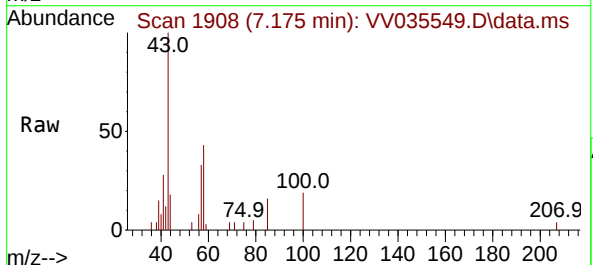
Tgt Ion: 43 Resp: 10180

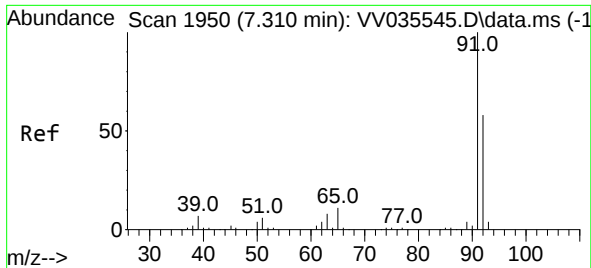
Ion Ratio Lower Upper

43 100

58 28.8 34.8 52.2#

100 10.7 13.9 20.9#





#42

Toluene

Concen: 1.104 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.013 min

Lab File: VV035549.D

Acq: 07 May 2024 13:31

Instrument :

MSVOA_V

ClientSampleId :

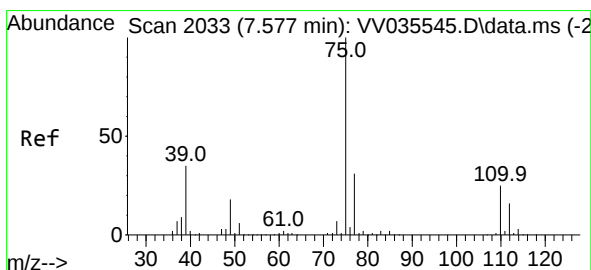
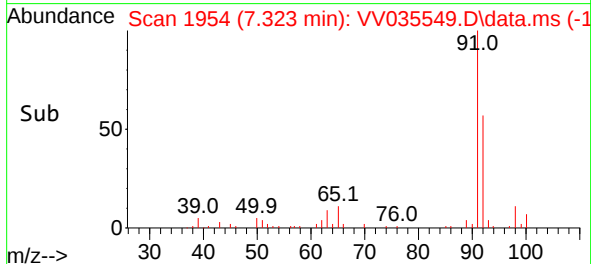
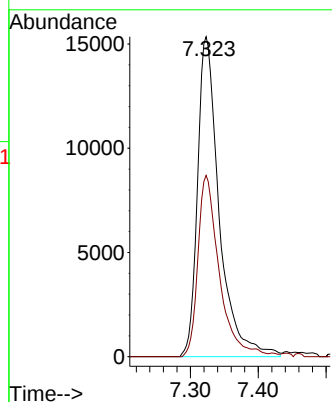
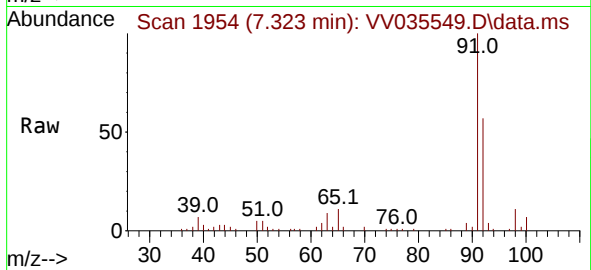
MDL03

Tgt Ion: 91 Resp: 34039

Ion Ratio Lower Upper

91 100

92 56.7 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 1.058 ug/L m

RT: 7.590 min Scan# 2037

Delta R.T. 0.013 min

Lab File: VV035549.D

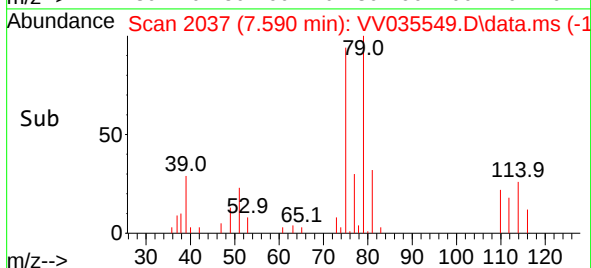
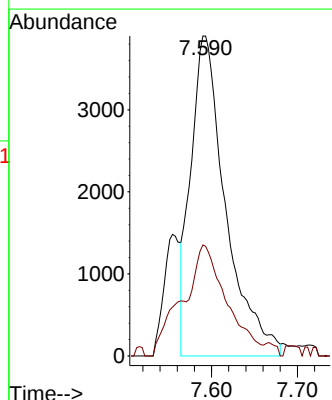
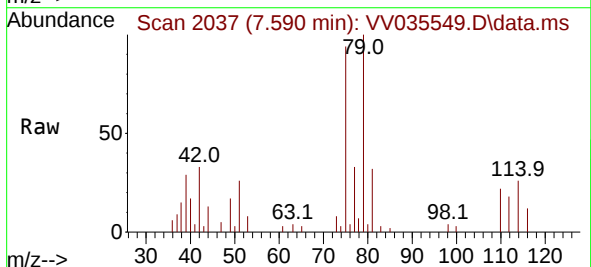
Acq: 07 May 2024 13:31

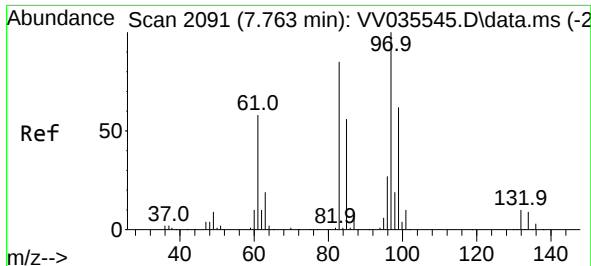
Tgt Ion: 75 Resp: 11011

Ion Ratio Lower Upper

75 100

77 34.7 22.4 41.6

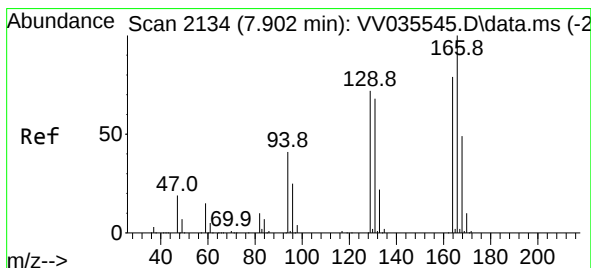
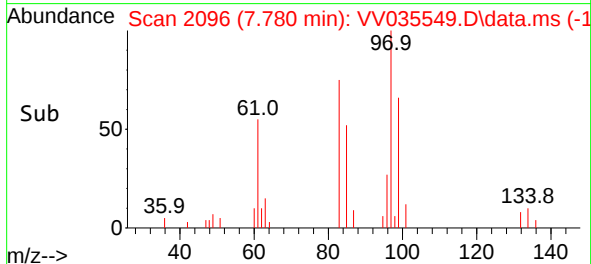
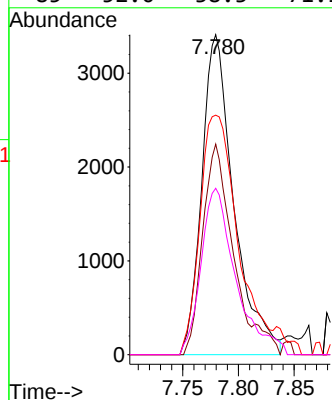
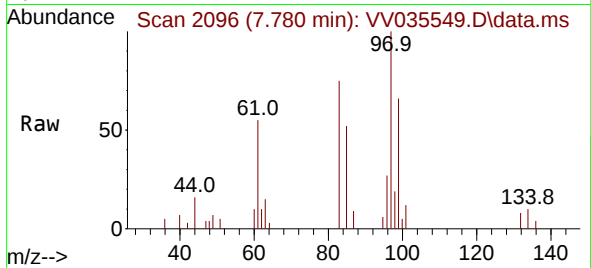




#45
1,1,2-Trichloroethane
Concen: 1.057 ug/L
RT: 7.780 min Scan# 2091
Delta R.T. 0.016 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

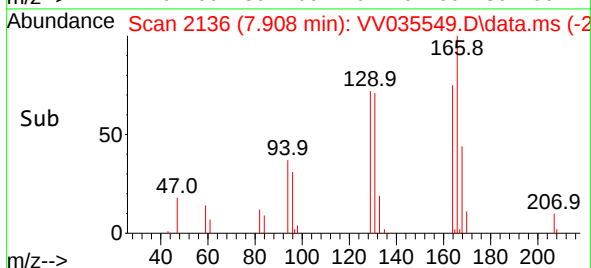
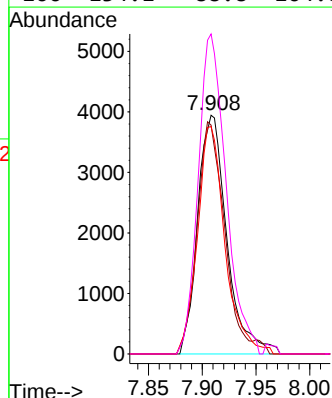
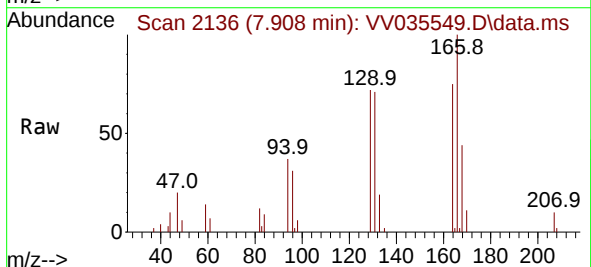
Instrument :
MSVOA_V
ClientSampleId :
MDL03

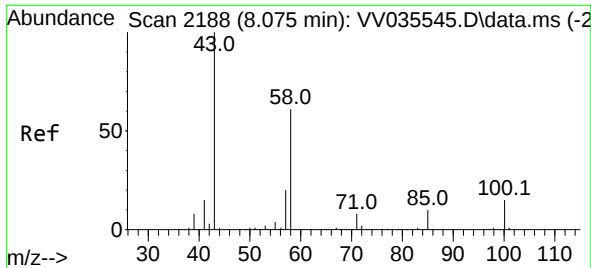
Tgt Ion:	97	Resp:	6831
Ion	Ratio	Lower	Upper
97	100		
99	65.8	43.3	80.3
83	74.8	60.3	111.9
85	52.0	38.3	71.1



#46
Tetrachloroethene
Concen: 1.112 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.006 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

Tgt Ion:	164	Resp:	7447
Ion	Ratio	Lower	Upper
164	100		
129	95.9	63.4	117.8
131	95.3	61.0	113.4
166	134.1	88.8	164.8

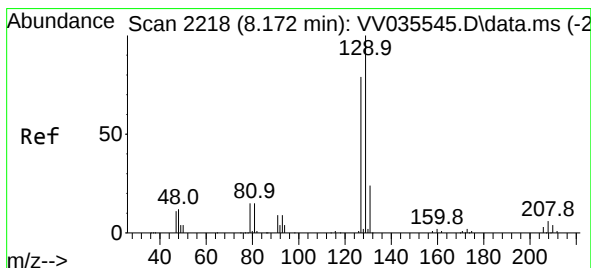
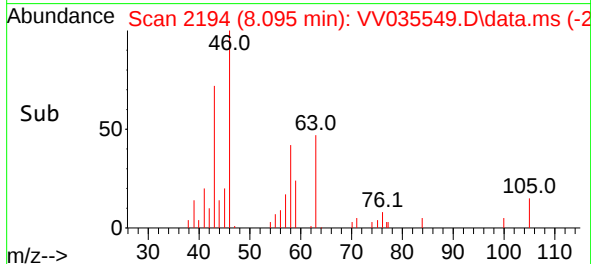
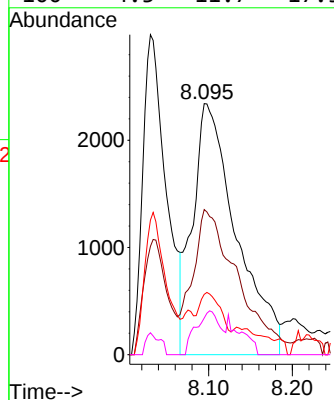
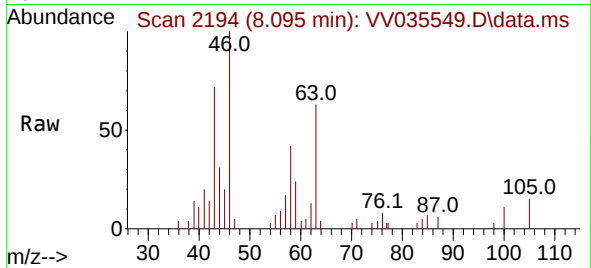




#48
2-Hexanone
Concen: 2.501 ug/L m
RT: 8.095 min Scan# 2188
Delta R.T. 0.019 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

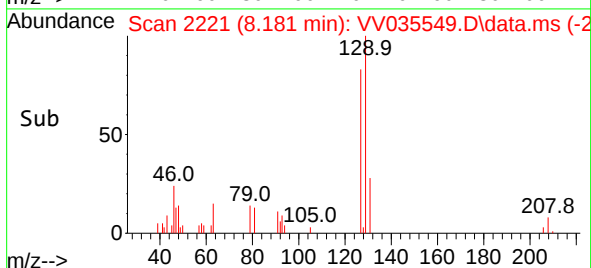
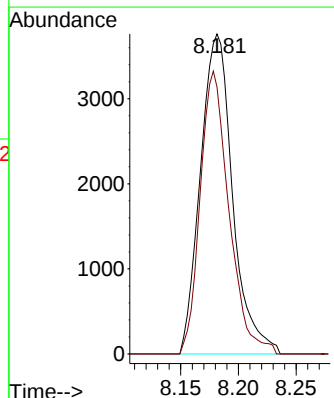
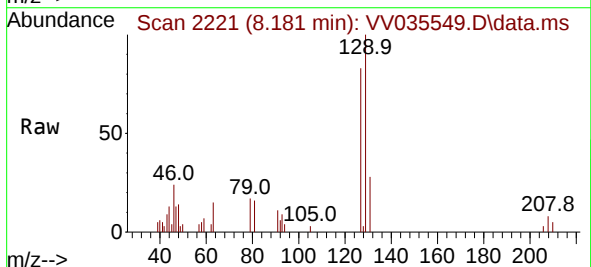
Instrument :
MSVOA_V
ClientSampleId :
MDL03

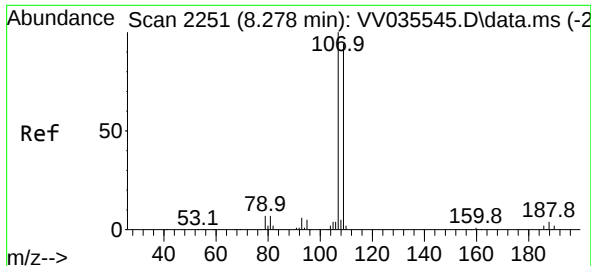
Tgt Ion: 43	Resp: 8540
Ion Ratio	Lower Upper
43 100	
58 53.6	48.8 73.2
57 8.4	16.9 25.3#
100 4.3	11.7 17.5#



#49
Dibromochloromethane
Concen: 1.001 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. 0.010 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

Tgt Ion:129	Resp:	7298	
Ion	Ratio	Lower	Upper
129	100		
127	83.4	53.8	99.8

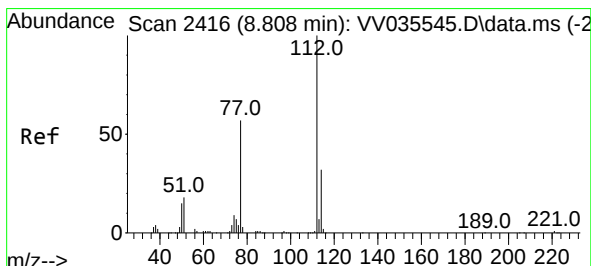
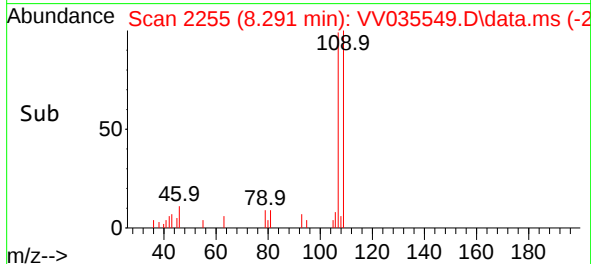
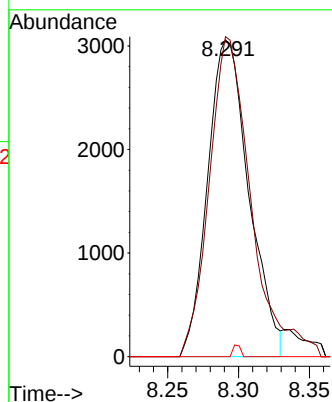
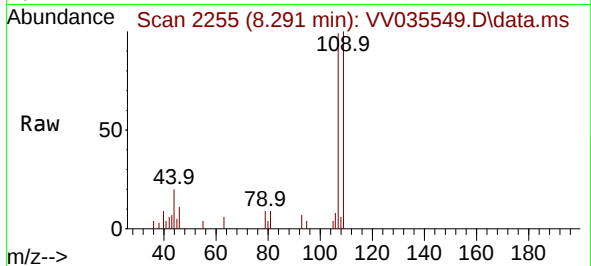




#50
1,2-Dibromoethane
Concen: 0.973 ug/L
RT: 8.291 min Scan# 218
Delta R.T. 0.013 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

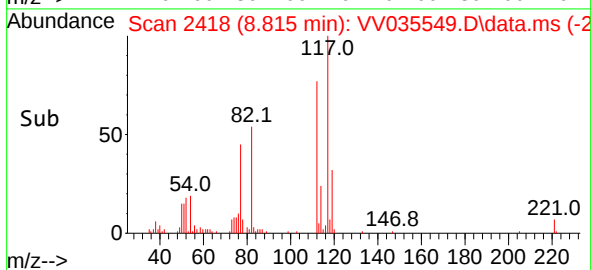
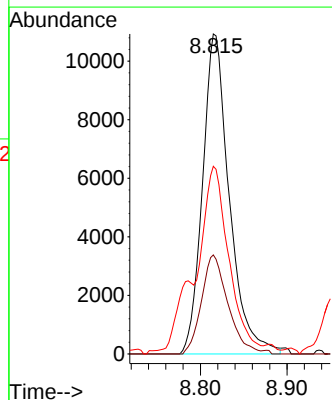
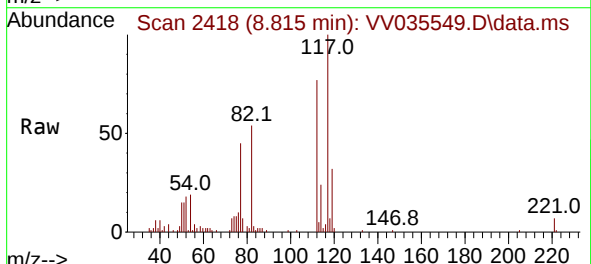
Instrument :
MSVOA_V
ClientSampleId :
MDL03

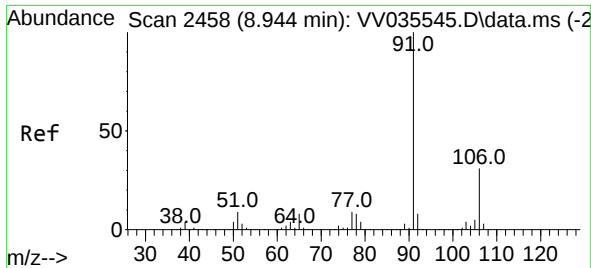
Tgt Ion:107 Resp: 6195
Ion Ratio Lower Upper
107 100
109 101.0 65.4 121.4
188 0.0 2.9 4.3#



#51
Chlorobenzene
Concen: 1.097 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.006 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

Tgt Ion:112 Resp: 23480
Ion Ratio Lower Upper
112 100
114 30.9 22.5 41.7
77 58.6 46.6 69.8

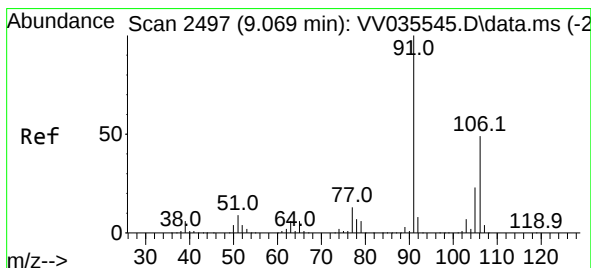
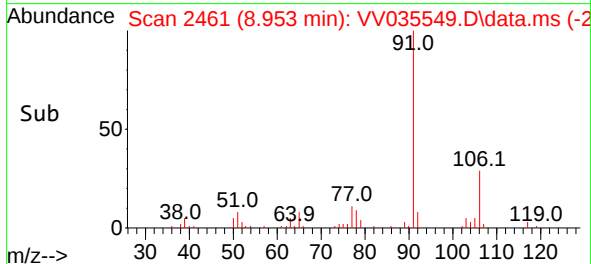
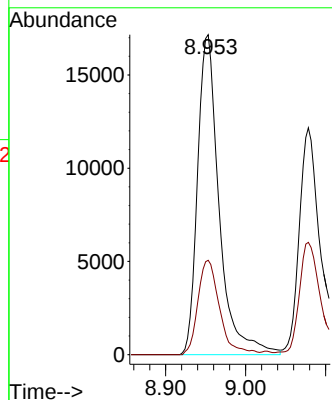
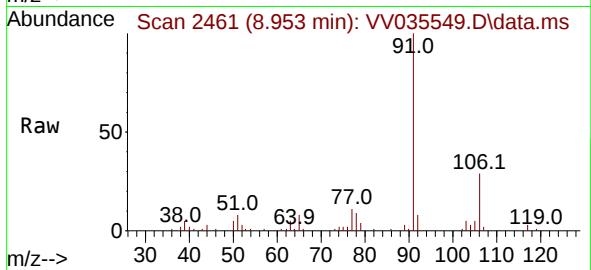




#52
Ethylbenzene
Concen: 0.948 ug/L
RT: 8.953 min Scan# 2458
Delta R.T. 0.010 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

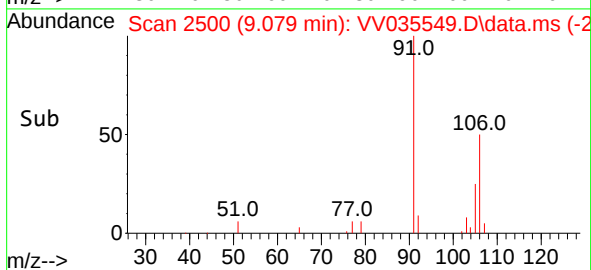
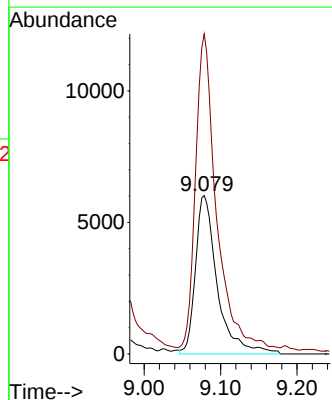
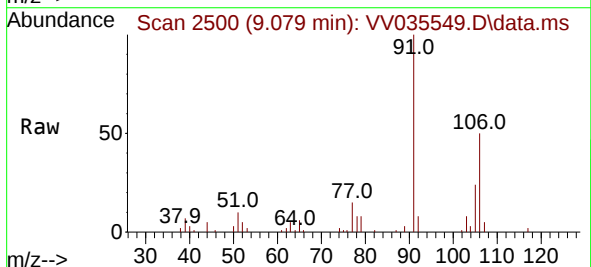
Instrument :
MSVOA_V
ClientSampleId :
MDL03

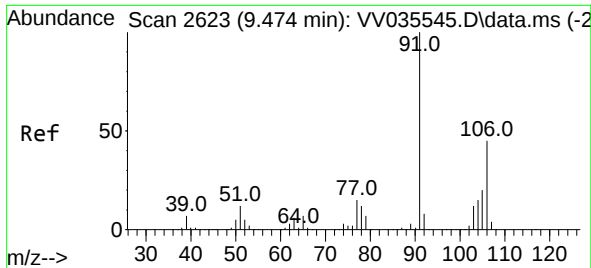
Tgt Ion: 91 Resp: 32274
Ion Ratio Lower Upper
91 100
106 29.5 21.7 40.3



#53
m,p-Xylene
Concen: 0.925 ug/L m
RT: 9.079 min Scan# 2500
Delta R.T. 0.010 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

Tgt Ion: 106 Resp: 11949
Ion Ratio Lower Upper
106 100
91 202.0 142.7 264.9

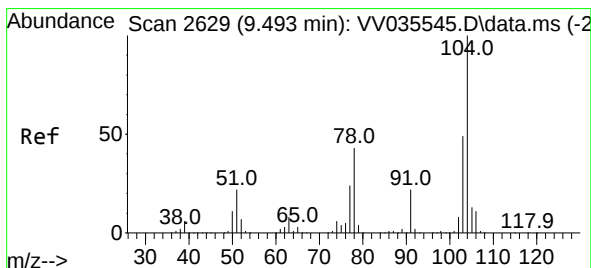
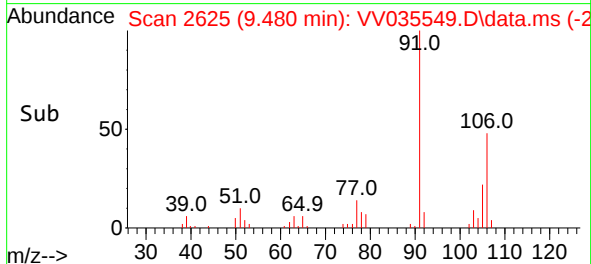
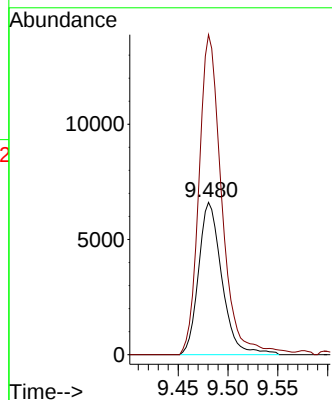
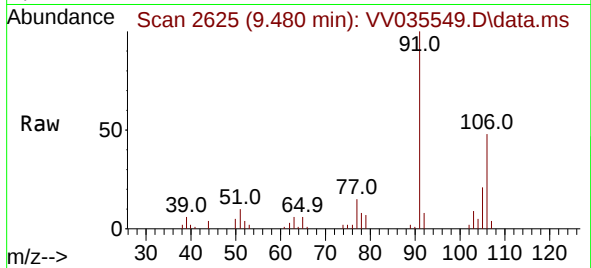




#54
o-Xylene
Concen: 0.880 ug/L m
RT: 9.480 min Scan# 2623
Delta R.T. 0.006 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

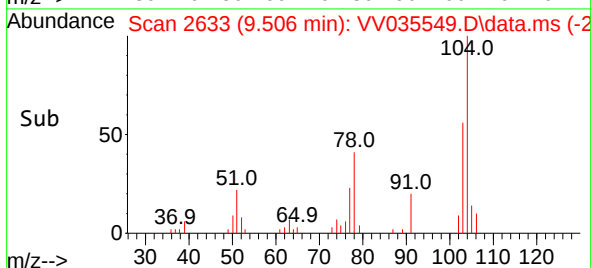
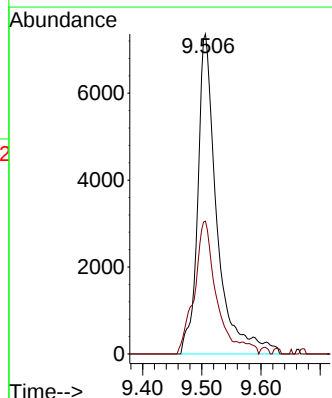
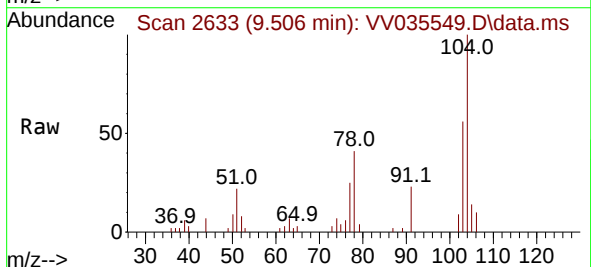
Instrument :
MSVOA_V
ClientSampleId :
MDL03

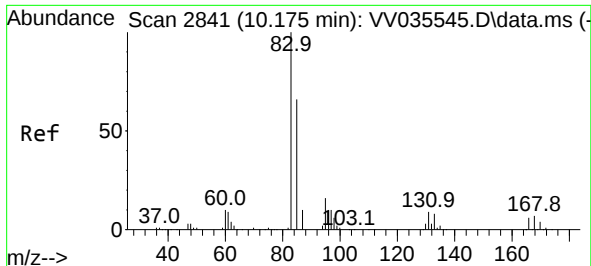
Tgt Ion:106 Resp: 10778
Ion Ratio Lower Upper
106 100
91 210.1 150.9 280.3



#55
Styrene
Concen: 0.776 ug/L m
RT: 9.506 min Scan# 2633
Delta R.T. 0.013 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

Tgt Ion:104 Resp: 16563
Ion Ratio Lower Upper
104 100
78 41.5 30.0 55.6





#57

1,1,2,2-Tetrachloroethane

Concen: 1.119 ug/L

RT: 10.178 min Scan# 2841

Delta R.T. 0.003 min

Lab File: VV035549.D

Acq: 07 May 2024 13:31

Instrument :

MSVOA_V

ClientSampleId :

MDL03

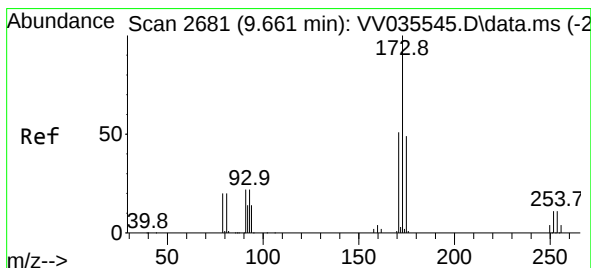
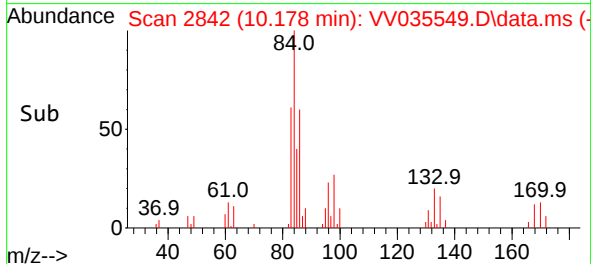
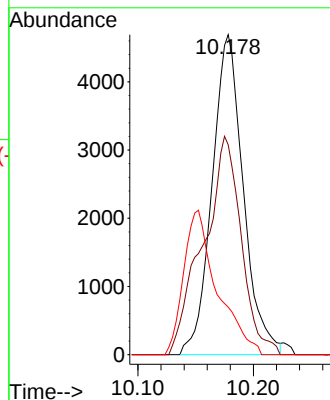
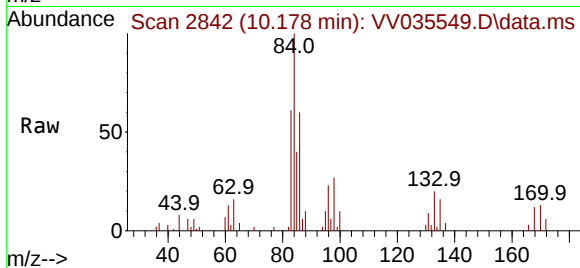
Tgt Ion: 83 Resp: 8808

Ion Ratio Lower Upper

83 100

85 65.6 44.7 83.1

131 14.8 8.0 12.0#



#59

Bromoform

Concen: 1.115 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.010 min

Lab File: VV035549.D

Acq: 07 May 2024 13:31

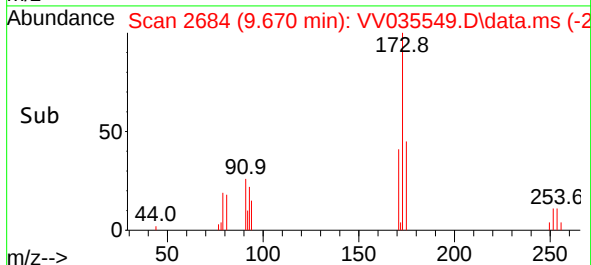
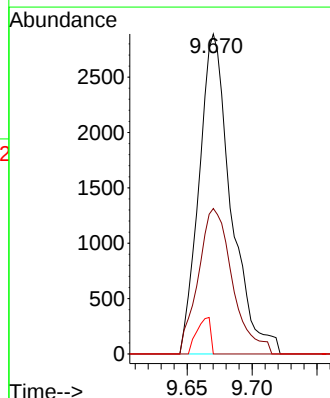
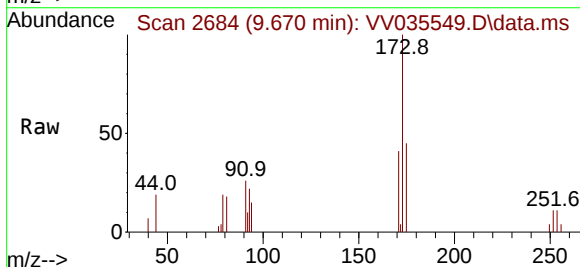
Tgt Ion: 173 Resp: 4935

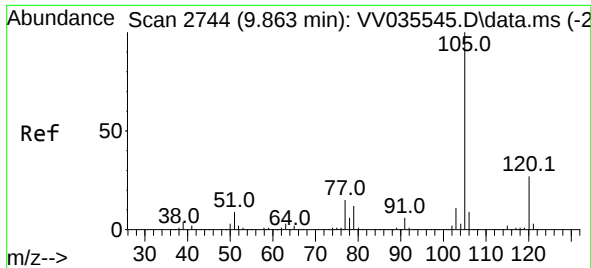
Ion Ratio Lower Upper

173 100

175 48.1 38.7 58.1

254 4.9 8.3 12.5#

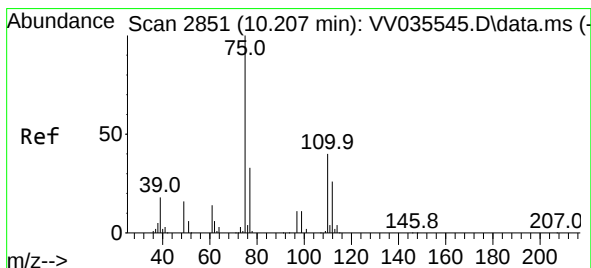
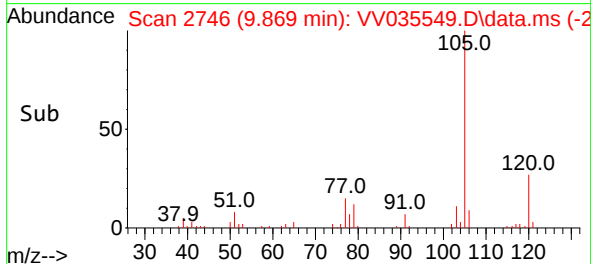
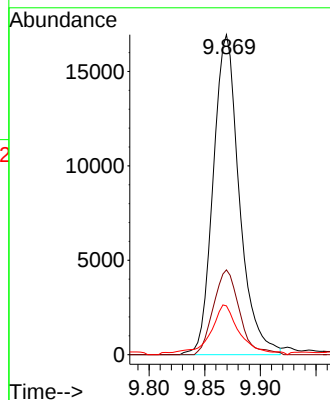
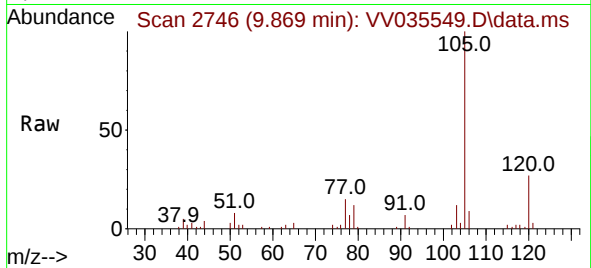




#60
Isopropylbenzene
Concen: 0.922 ug/L
RT: 9.869 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

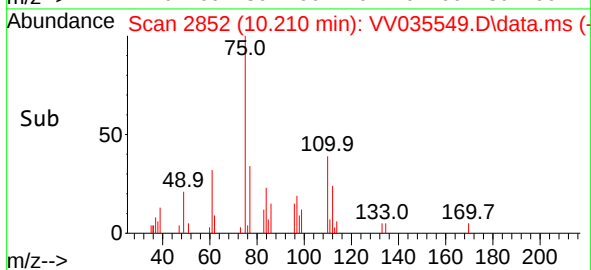
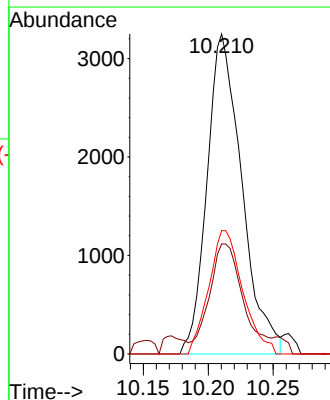
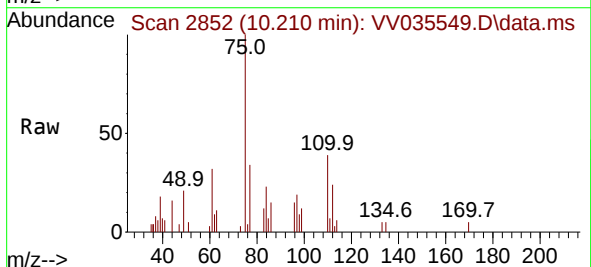
Instrument :
MSVOA_V
ClientSampleId :
MDL03

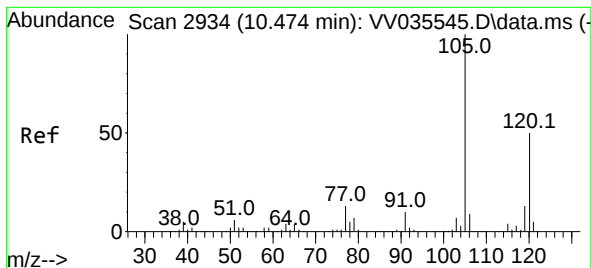
Tgt Ion:105 Resp: 27684
Ion Ratio Lower Upper
105 100
120 26.5 21.3 31.9
77 16.3 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 1.144 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

Tgt Ion: 75 Resp: 6039
Ion Ratio Lower Upper
75 100
77 26.6 25.7 38.5
110 37.6 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 0.826 ug/L

RT: 10.477 min Scan# 2934

Delta R.T. 0.003 min

Lab File: VV035549.D

Acq: 07 May 2024 13:31

Instrument :

MSVOA_V

ClientSampleId :

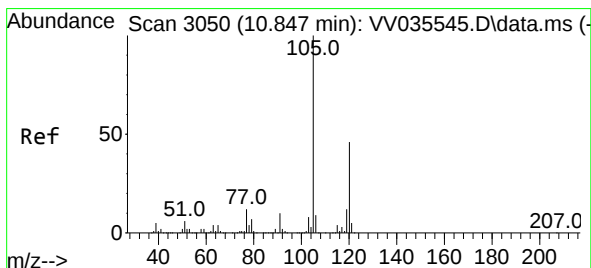
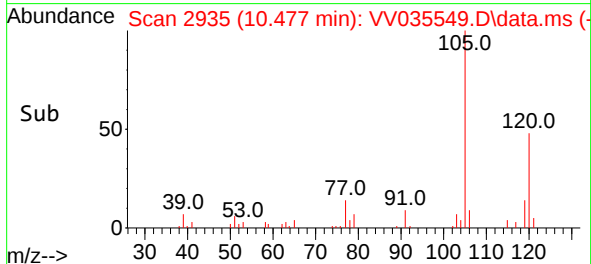
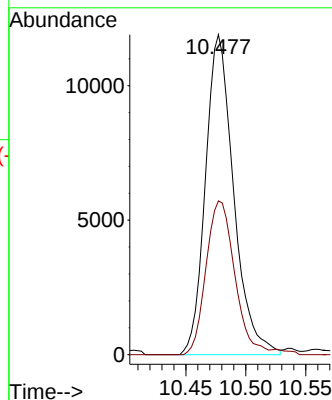
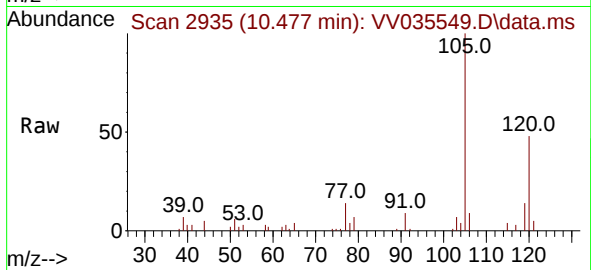
MDL03

Tgt Ion:105 Resp: 19457

Ion Ratio Lower Upper

105 100

120 48.6 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 0.802 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.006 min

Lab File: VV035549.D

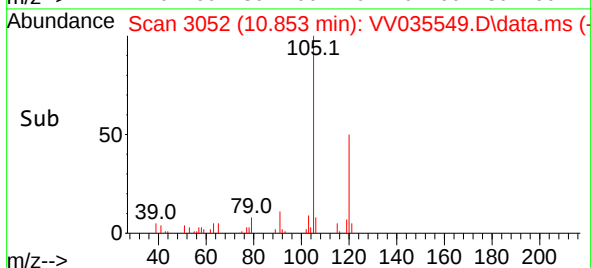
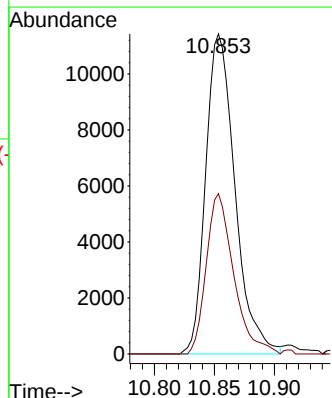
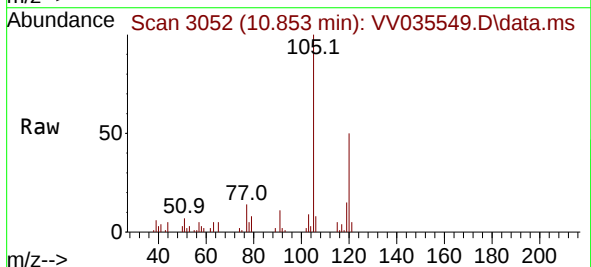
Acq: 07 May 2024 13:31

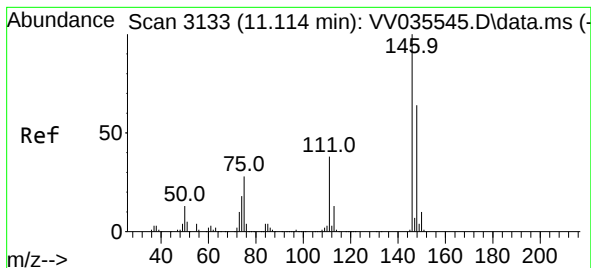
Tgt Ion:105 Resp: 19415

Ion Ratio Lower Upper

105 100

120 46.8 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 1.023 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. 0.010 min

Lab File: VV035549.D

Acq: 07 May 2024 13:31

Instrument :

MSVOA_V

ClientSampleId :

MDL03

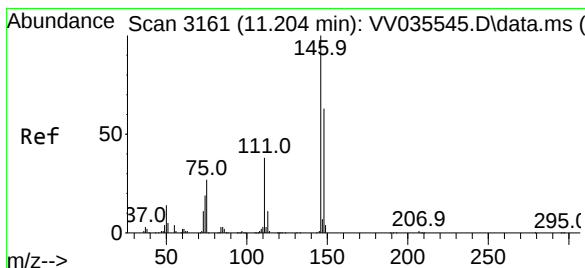
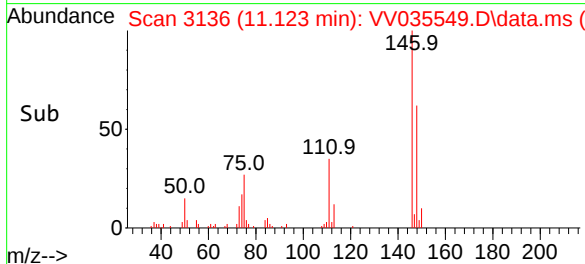
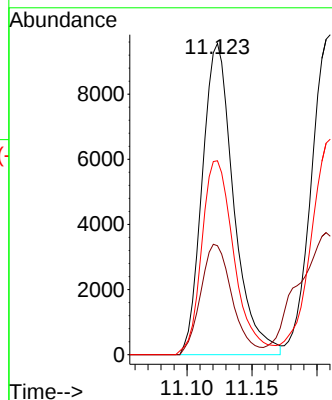
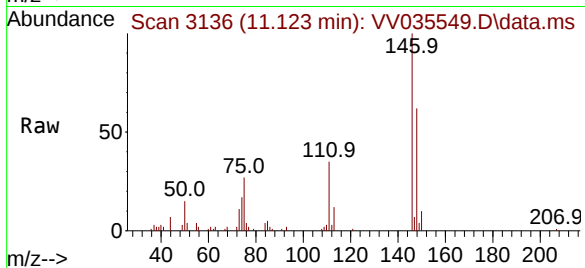
Tgt Ion:146 Resp: 16118

Ion Ratio Lower Upper

146 100

111 35.0 27.0 50.2

148 62.3 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 1.178 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.006 min

Lab File: VV035549.D

Acq: 07 May 2024 13:31

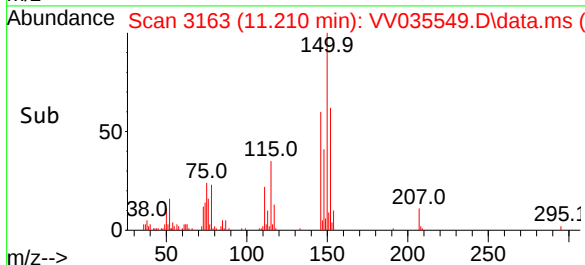
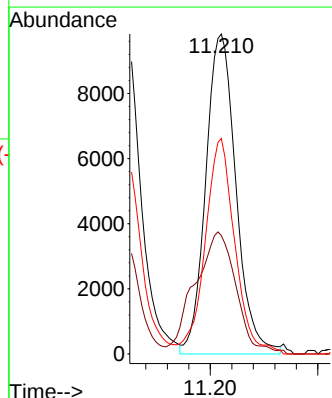
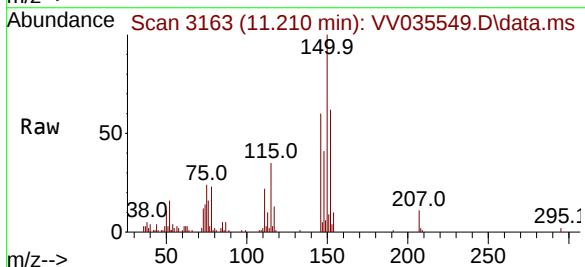
Tgt Ion:146 Resp: 19213

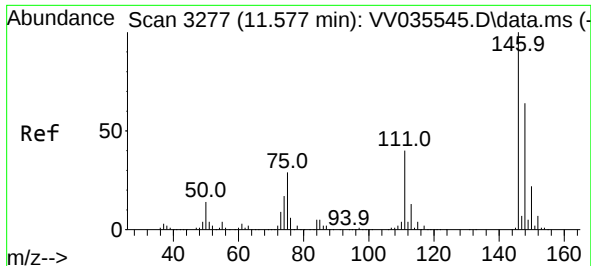
Ion Ratio Lower Upper

146 100

111 37.0 26.2 48.6

148 67.3 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 1.153 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV035549.D

Acq: 07 May 2024 13:31

Instrument :

MSVOA_V

ClientSampleId :

MDL03

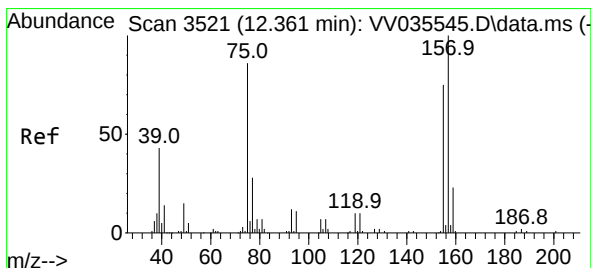
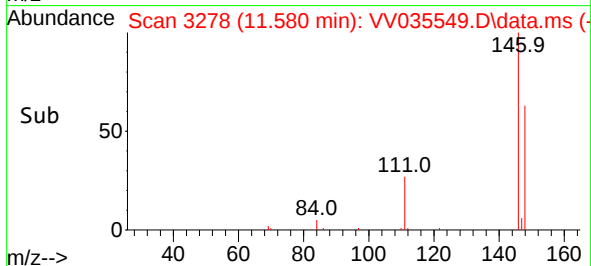
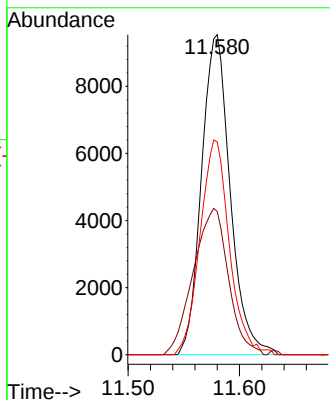
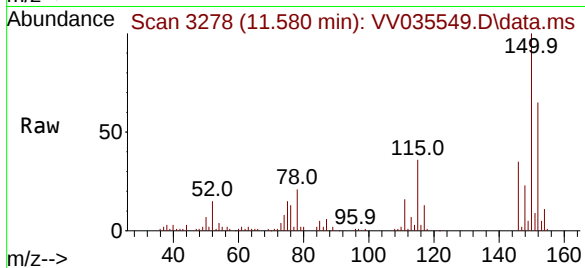
Tgt Ion:146 Resp: 17090

Ion Ratio Lower Upper

146 100

111 44.7 32.6 48.8

148 66.5 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 1.287 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.010 min

Lab File: VV035549.D

Acq: 07 May 2024 13:31

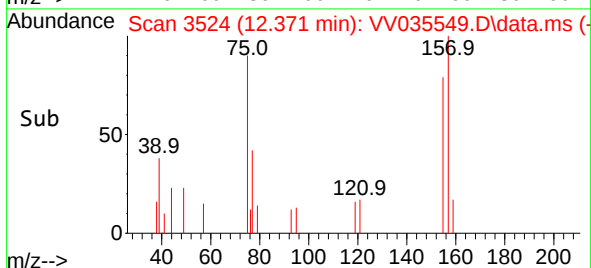
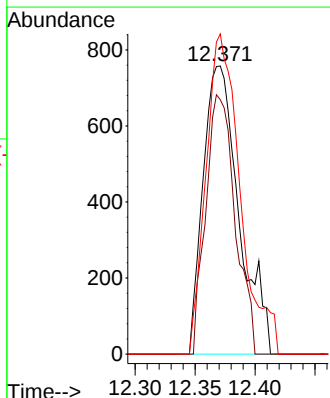
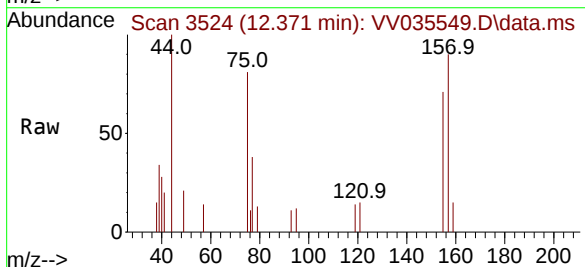
Tgt Ion: 75 Resp: 1576

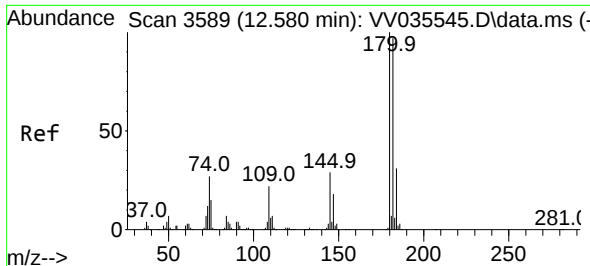
Ion Ratio Lower Upper

75 100

155 88.3 69.8 104.6

157 111.1 95.0 142.6

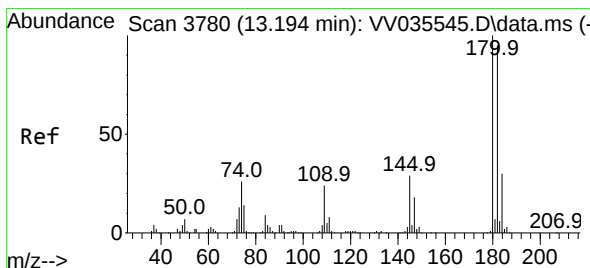
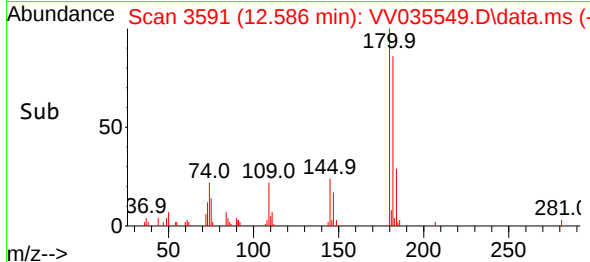
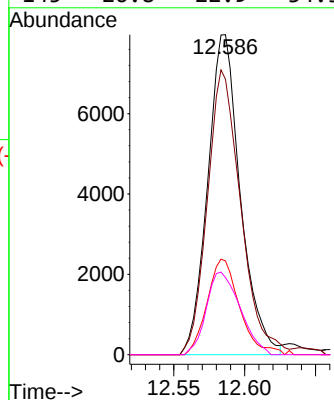
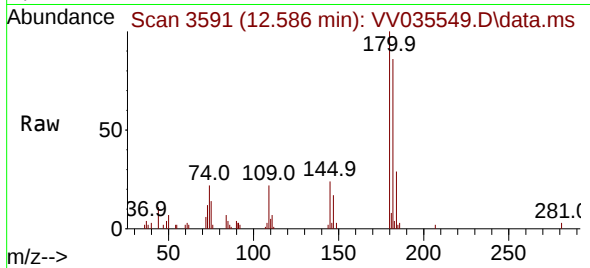




#69
 1,3,5-Trichlorobenzene
 Concen: 1.036 ug/L
 RT: 12.586 min Scan# 3591
 Delta R.T. 0.006 min
 Lab File: VV035549.D
 Acq: 07 May 2024 13:31

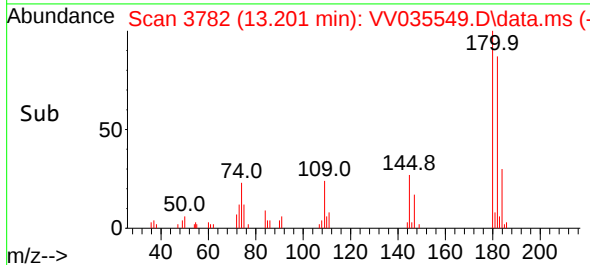
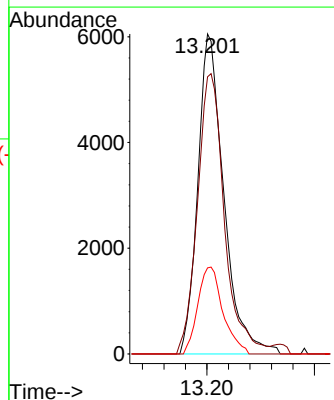
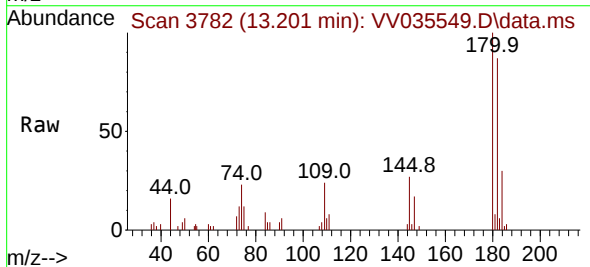
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

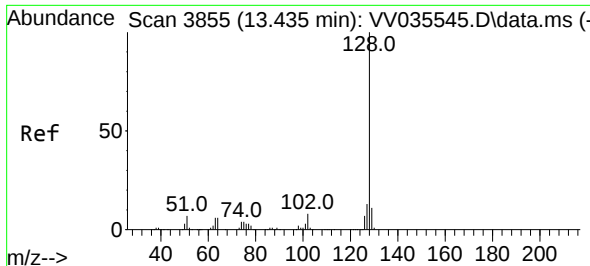
Tgt Ion:180	Resp:	12755
Ion Ratio	Lower	Upper
180	100	
182	90.9	76.2 114.2
184	28.9	24.1 36.1
145	26.8	22.9 34.3



#70
 1,2,4-trichlorobenzene
 Concen: 0.989 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. 0.006 min
 Lab File: VV035549.D
 Acq: 07 May 2024 13:31

Tgt Ion:180	Resp:	10160
Ion Ratio	Lower	Upper
180	100	
182	91.1	76.6 114.8
145	26.2	23.2 34.8

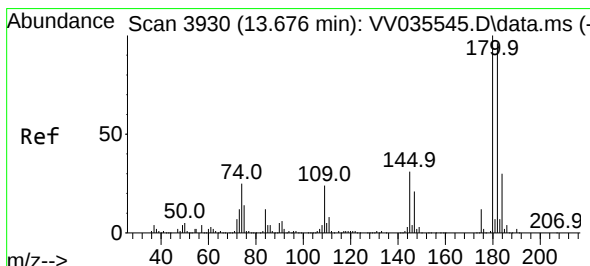
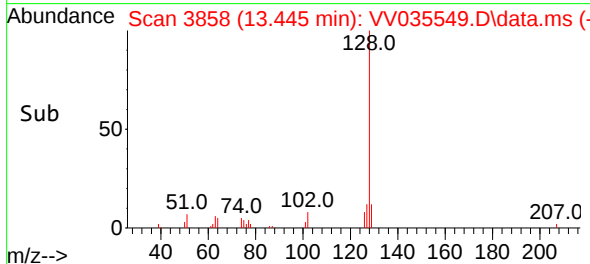
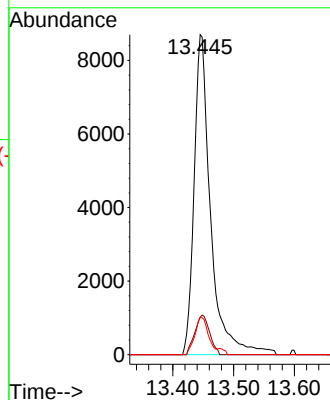
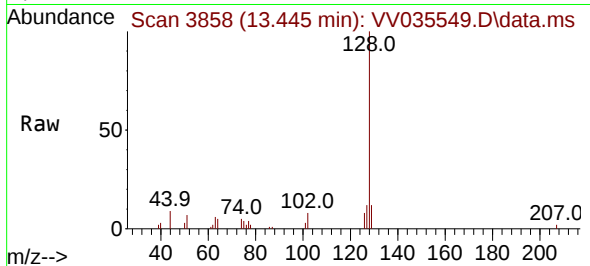




#71
Naphthalene
Concen: 0.908 ug/L m
RT: 13.445 min Scan# 3855
Delta R.T. 0.010 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion:	128	Resp:	16386
Ion Ratio	Lower	Upper	
128	100		
127	11.1	10.4	15.6
129	9.5	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 0.972 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.006 min
Lab File: VV035549.D
Acq: 07 May 2024 13:31

Tgt Ion:	180	Resp:	8984
Ion Ratio	Lower	Upper	
180	100		
182	94.6	75.8	113.6
145	33.1	25.2	37.8

