

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032624\
 Data File : VW034849.D
 Acq On : 26 Mar 2024 23:51
 Operator : SY/MD
 Sample : P1852-05MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EOLY4MS

Quant Time: Mar 27 01:41:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 01:34:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	389829	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	378692	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	194746	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	146225	38.840	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.680%
7) Chloroethane-d5	1.532	69	127183	38.894	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.780%
11) 1,1-Dichloroethene-d2	2.060	65	64120	38.854	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.700%
21) 2-Butanone-d5	3.786	46	169830	76.061	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.060%
24) Chloroform-d	4.249	84	257429	40.669	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.340%
26) 1,2-Dichloroethane-d4	4.941	65	161794	40.260	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.520%
32) Benzene-d6	4.960	84	510553	40.136	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.280%
36) 1,2-Dichloropropane-d6	5.985	67	159392	39.460	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.920%
41) Toluene-d8	7.243	98	465763	40.657	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.320%
43) trans-1,3-Dichloroprop...	7.551	79	76660	39.038	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.080%
47) 2-Hexanone-d5	8.024	63	118803	77.791	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.790%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	228906	41.152	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.300%
66) 1,2-Dichlorobenzene-d4	11.558	152	175541	40.147	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	126674	44.834	ug/L	98
3) Chloromethane	1.214	50	153969	42.389	ug/L	99
5) Vinyl chloride	1.285	62	190211	49.952	ug/L	99
6) Bromomethane	1.487	94	132963	46.583	ug/L	99
8) Chloroethane	1.548	64	112091	43.101	ug/L	99
9) Trichlorofluoromethane	1.712	101	229799	45.980	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	135516	44.301	ug/L	98
12) 1,1-Dichloroethene	2.069	96	131319	44.885	ug/L	96
13) Acetone	2.114	43	125004	60.980	ug/L	100
14) Carbon disulfide	2.243	76	359310	43.611	ug/L	99
15) Methyl Acetate	2.371	43	128701	39.841	ug/L	96
16) Methylene chloride	2.445	84	142390	44.917	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	127205	44.971	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	445624	44.853	ug/L	100
19) 1,1-Dichloroethane	3.111	63	260566	44.921	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	165435	51.505	ug/L	94
22) 2-Butanone	3.867	43	172292	72.432	ug/L	100
23) Bromochloromethane	4.146	128	74052	46.080	ug/L	94
25) Chloroform	4.275	83	262434	45.761	ug/L	98

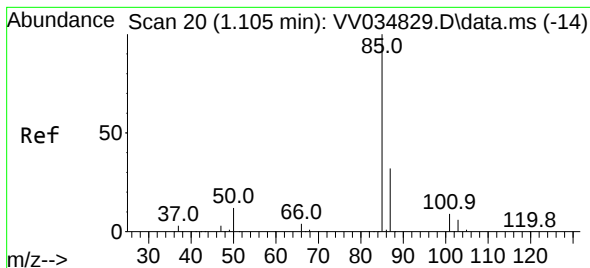
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 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 01:34:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	208082	45.572	ug/L	100
29) Cyclohexane	4.580	56	215027	45.335	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	222366	45.048	ug/L	99
31) Carbon tetrachloride	4.735	117	190517	45.536	ug/L	99
33) Benzene	5.008	78	551723	44.679	ug/L	100
34) Trichloroethene	5.831	95	143340	43.011	ug/L	98
35) Methylcyclohexane	6.050	83	219426	43.597	ug/L	98
37) 1,2-Dichloropropane	6.092	63	151036	44.259	ug/L	99
38) Bromodichloromethane	6.432	83	196060	44.528	ug/L	97
39) cis-1,3-Dichloropropene	6.953	75	226464	42.126	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	374717	86.002	ug/L	99
42) Toluene	7.313	91	590397	45.668	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	222519	45.054	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	145979	45.384	ug/L	98
46) Tetrachloroethene	7.905	164	101474	43.583	ug/L	99
48) 2-Hexanone	8.072	43	293465	79.193	ug/L	96
49) Dibromochloromethane	8.175	129	142206	44.639	ug/L	99
50) 1,2-Dibromoethane	8.281	107	156264	45.125	ug/L	99
51) Chlorobenzene	8.812	112	378223	45.139	ug/L	99
52) Ethylbenzene	8.944	91	648375	45.252	ug/L	99
53) m,p-Xylene	9.072	106	238946	45.285	ug/L	98
54) o-Xylene	9.477	106	237850	45.558	ug/L	96
55) Styrene	9.493	104	403838	45.773	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	238055	45.679	ug/L	100
59) Bromoform	9.664	173	99224	44.460	ug/L	99
60) Isopropylbenzene	9.866	105	642289	45.748	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	185496	43.956	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	413864	45.390	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	512434	45.456	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	286835	43.718	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	298073	44.675	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	294243	45.020	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	50028	43.030	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	198190	41.914	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	191369	44.059	ug/L	99
71) Naphthalene	13.435	128	590652	49.015	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	196299	45.849	ug/L	99

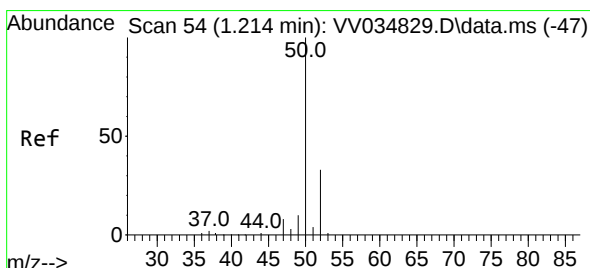
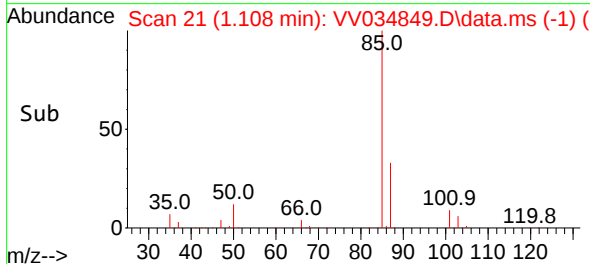
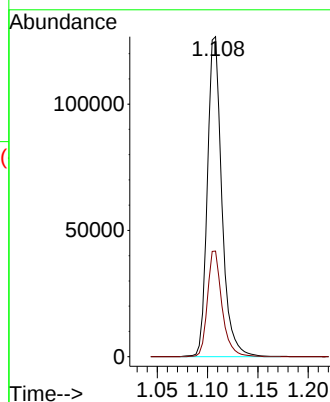
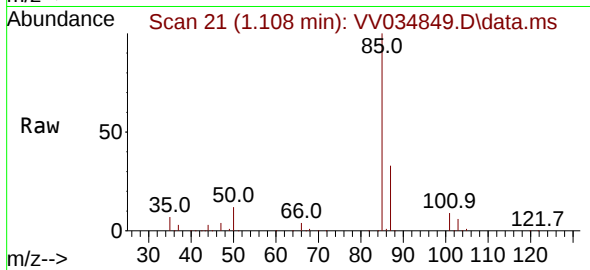
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#2
Dichlorodifluoromethane
Concen: 44.834 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

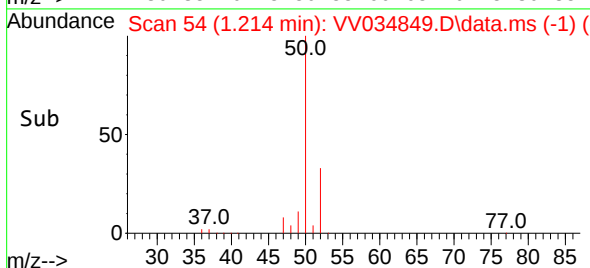
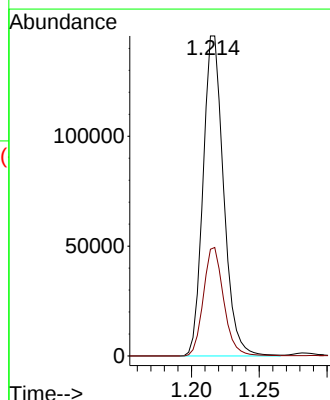
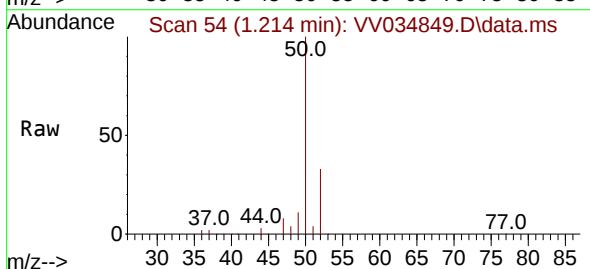
Instrument :
MSVOA_V
ClientSampleId :
EOLY4MS

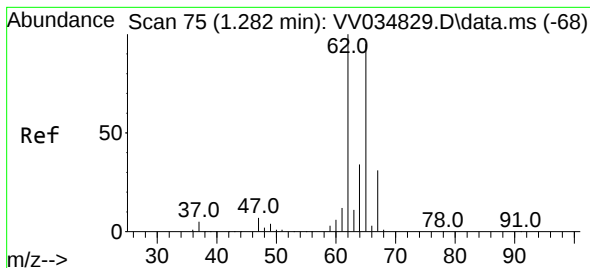
Tgt Ion: 85 Resp: 126674
Ion Ratio Lower Upper
85 100
87 33.2 25.7 38.5



#3
Chloromethane
Concen: 42.389 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.000 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

Tgt Ion: 50 Resp: 153969
Ion Ratio Lower Upper
50 100
52 33.4 23.0 42.8





#5

Vinyl chloride

Concen: 49.952 ug/L

RT: 1.285 min Scan# 75

Delta R.T. 0.003 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

Instrument :

MSVOA_V

ClientSampleId :

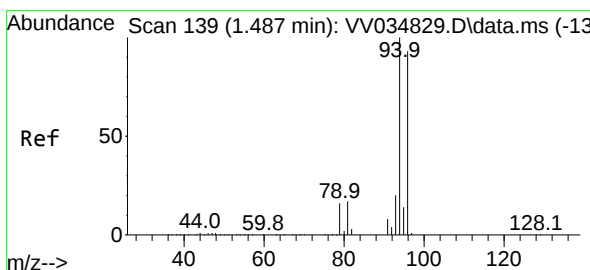
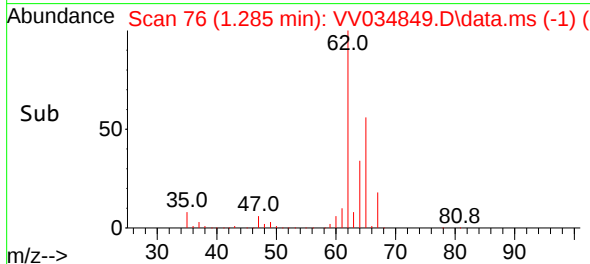
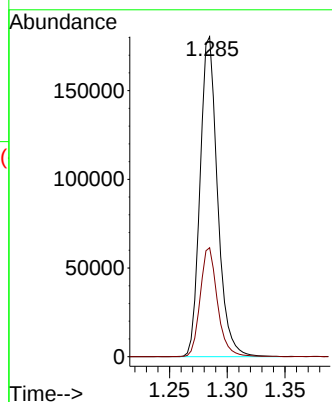
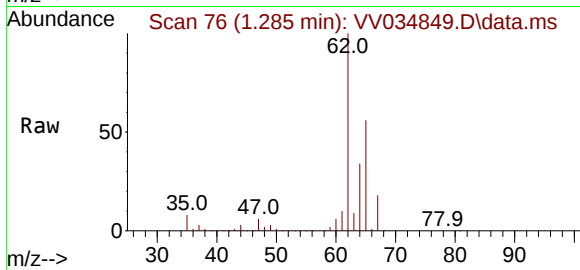
EOLY4MS

Tgt Ion: 62 Resp: 190211

Ion Ratio Lower Upper

62 100

64 34.1 23.6 43.8



#6

Bromomethane

Concen: 46.583 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.000 min

Lab File: VV034849.D

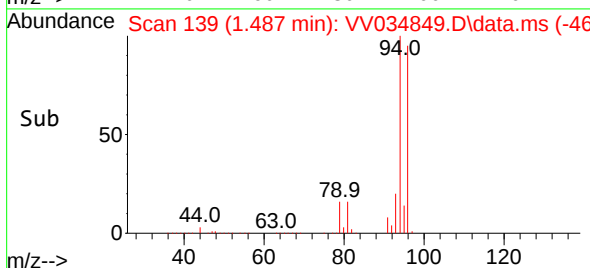
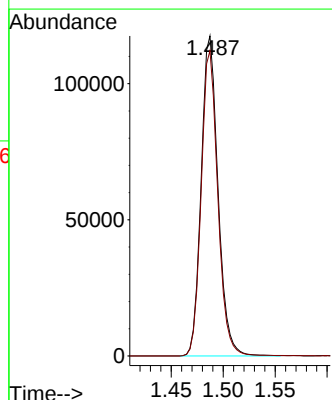
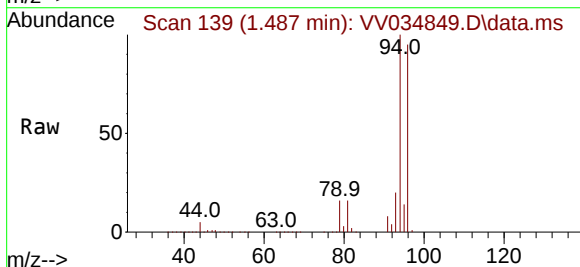
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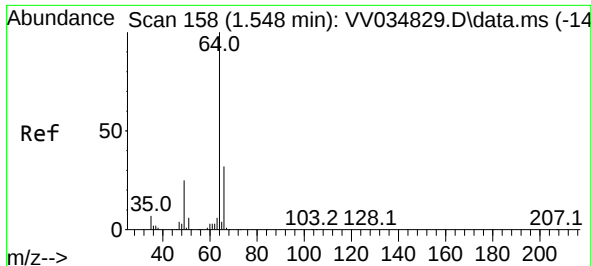
Tgt Ion: 94 Resp: 132963

Ion Ratio Lower Upper

94 100

96 95.4 66.3 123.1

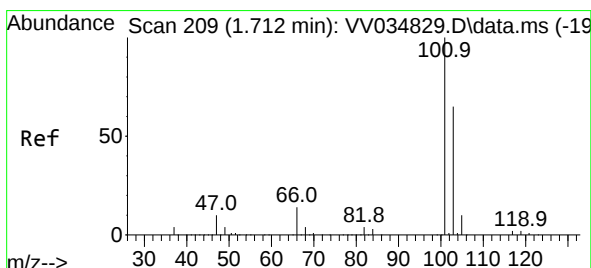
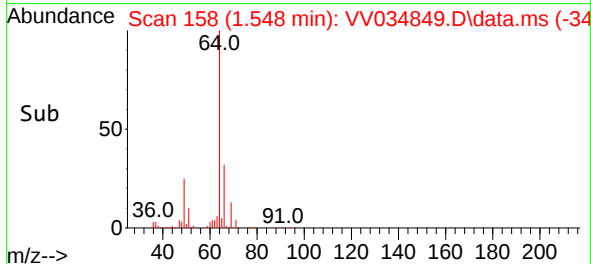
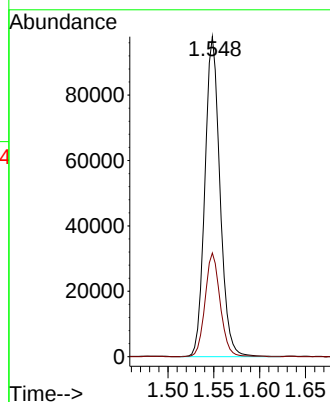
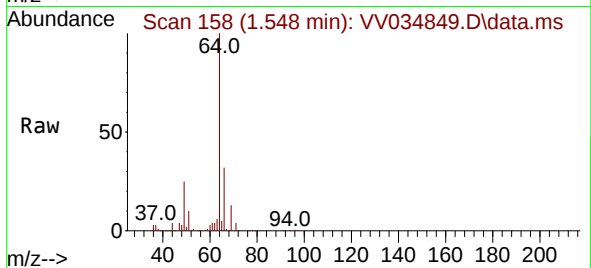




#8
Chloroethane
Concen: 43.101 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

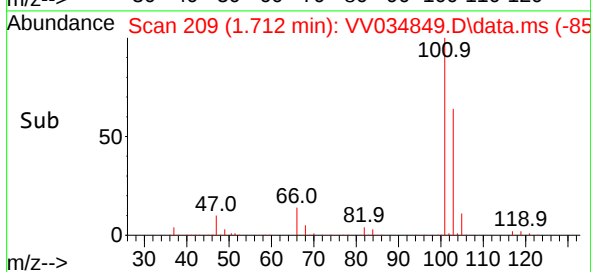
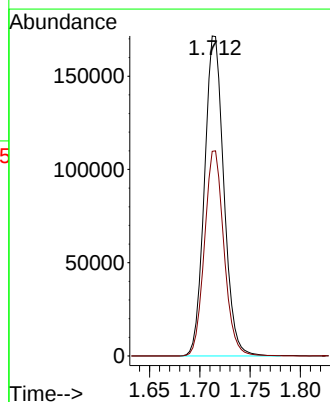
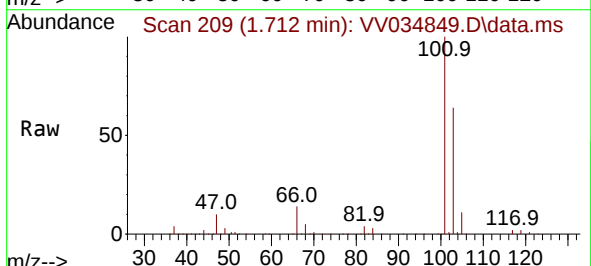
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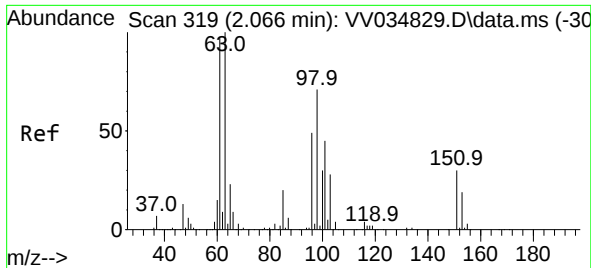
Tgt Ion: 64 Resp: 112091
Ion Ratio Lower Upper
64 100
66 32.4 23.2 43.2



#9
Trichlorofluoromethane
Concen: 45.980 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

Tgt Ion:101 Resp: 229799
Ion Ratio Lower Upper
101 100
103 64.5 51.6 77.4

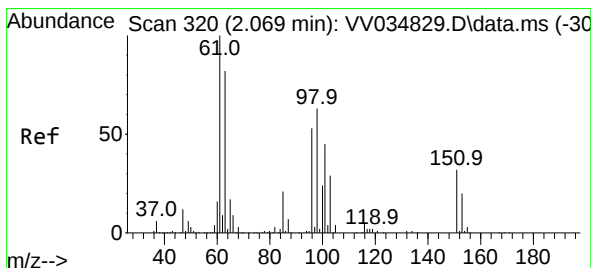
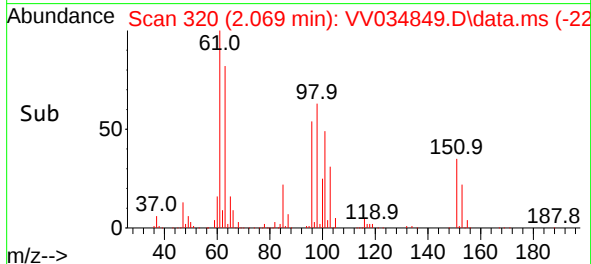
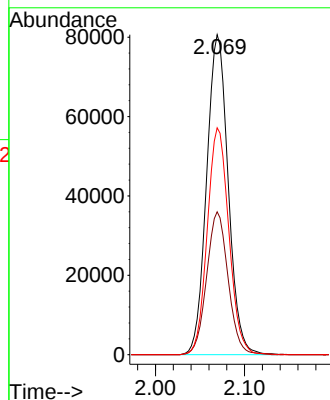
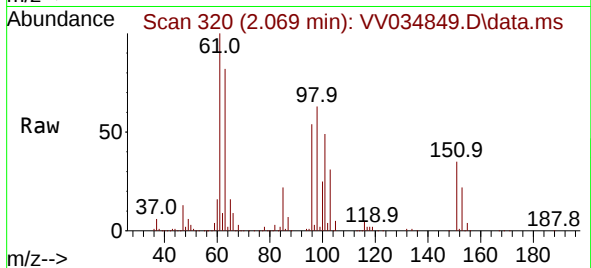




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 44.301 ug/L
RT: 2.069 min Scan# 319
Delta R.T. 0.003 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

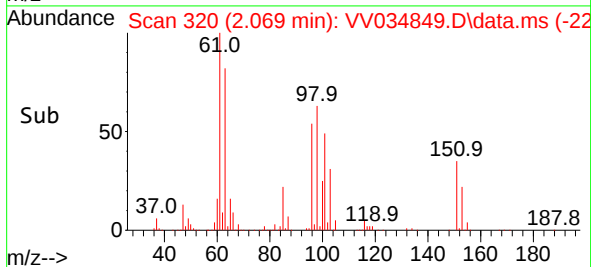
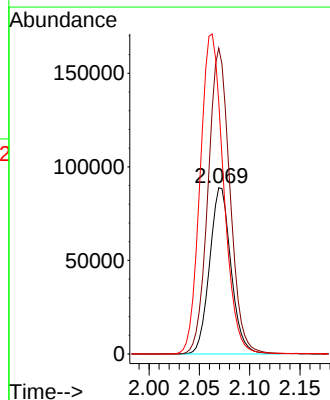
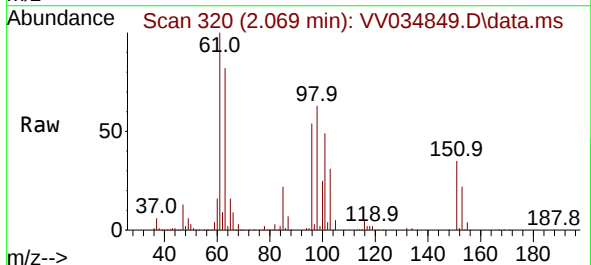
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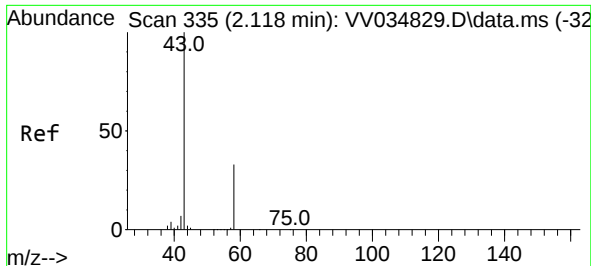
Tgt Ion:101 Resp: 135516
Ion Ratio Lower Upper
101 100
85 44.4 35.3 52.9
151 70.9 55.0 82.4



#12
1,1-Dichloroethene
Concen: 44.885 ug/L
RT: 2.069 min Scan# 320
Delta R.T. -0.000 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

Tgt Ion: 96 Resp: 131319
Ion Ratio Lower Upper
96 100
61 184.1 131.5 244.3
63 151.6 111.4 206.8





#13

Acetone

Concen: 60.980 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

Instrument :

MSVOA_V

ClientSampleId :

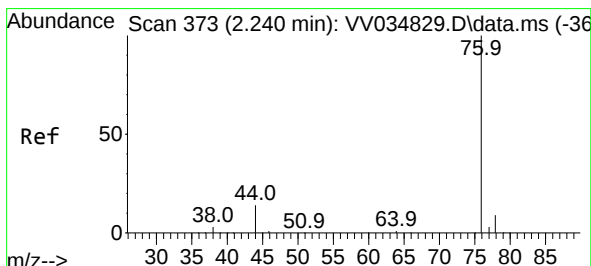
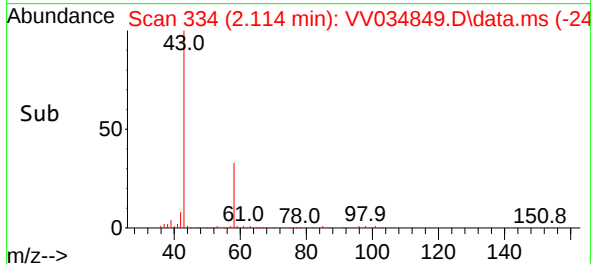
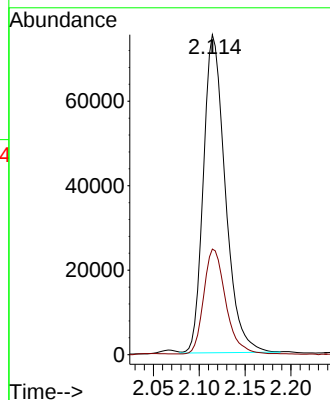
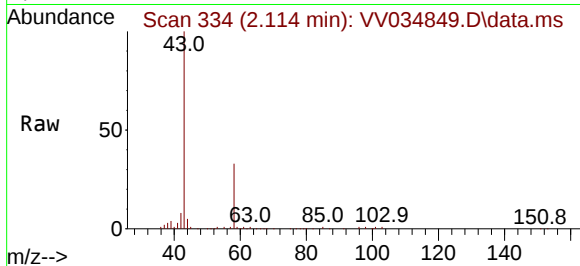
EOLY4MS

Tgt Ion: 43 Resp: 125004

Ion Ratio Lower Upper

43 100

58 33.2 0.0 66.0



#14

Carbon disulfide

Concen: 43.611 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV034849.D

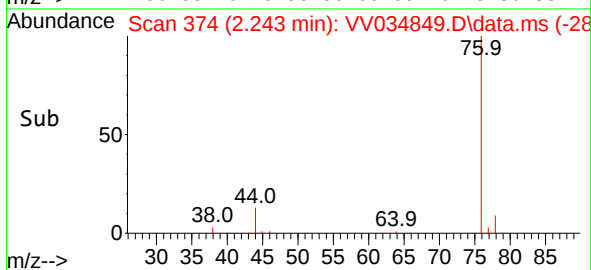
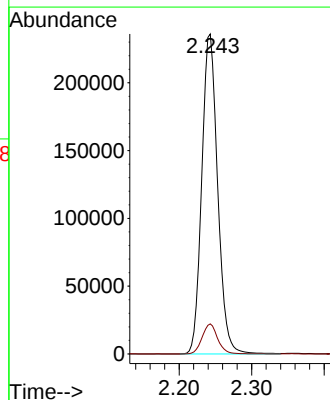
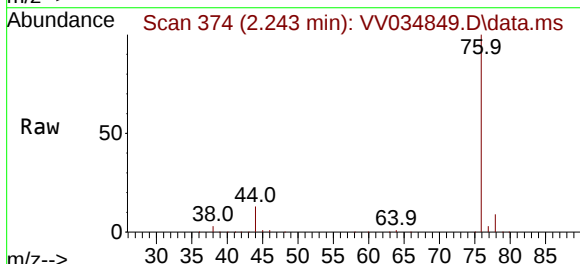
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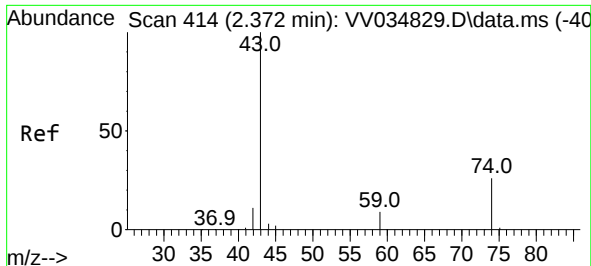
Tgt Ion: 76 Resp: 359310

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

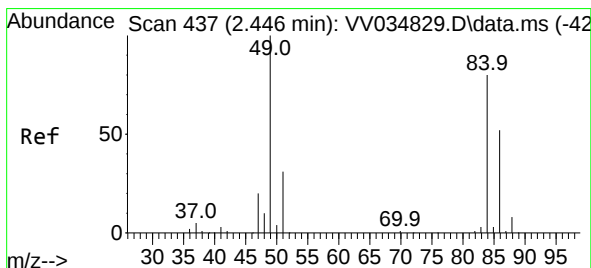
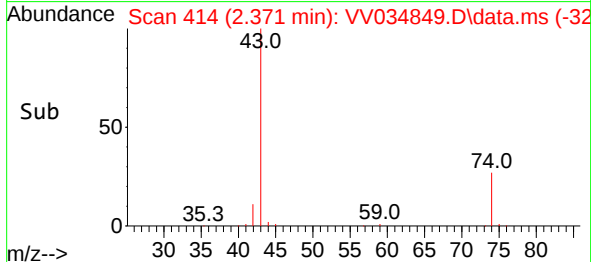
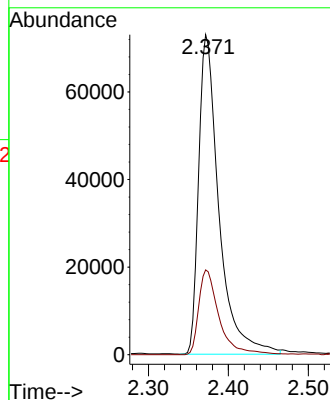
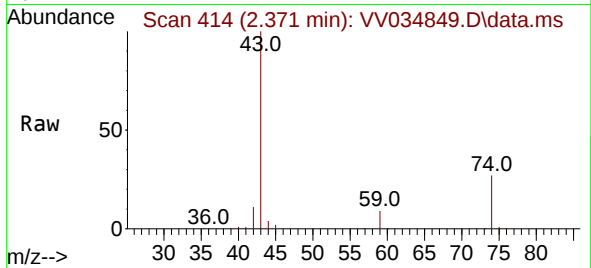




#15
Methyl Acetate
Concen: 39.841 ug/L
RT: 2.371 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

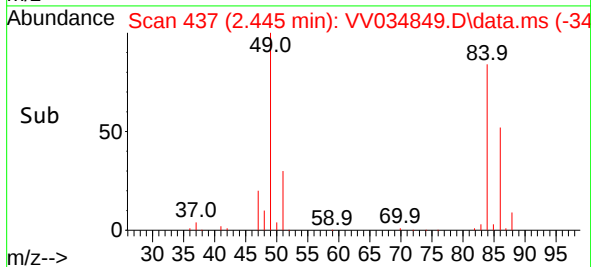
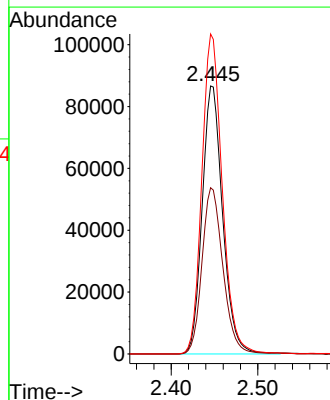
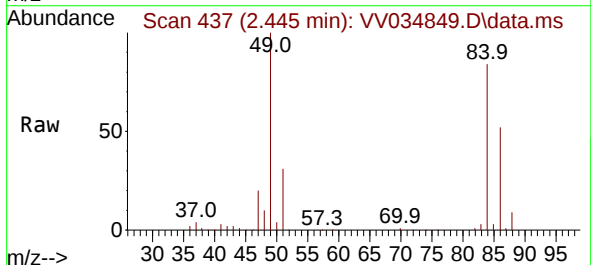
Instrument :
MSVOA_V
ClientSampleId :
EOLY4MS

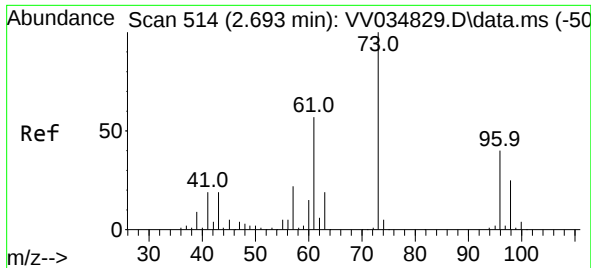
Tgt Ion: 43 Resp: 128701
Ion Ratio Lower Upper
43 100
74 26.7 19.8 29.8



#16
Methylene chloride
Concen: 44.917 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

Tgt Ion: 84 Resp: 142390
Ion Ratio Lower Upper
84 100
86 62.0 44.6 82.8
49 119.4 86.9 161.3

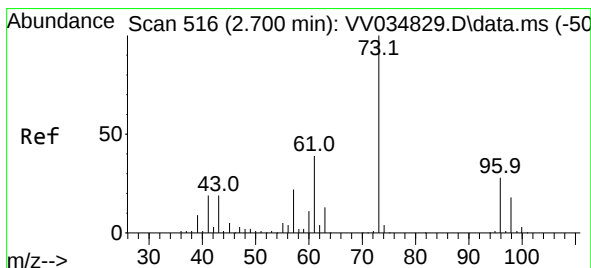
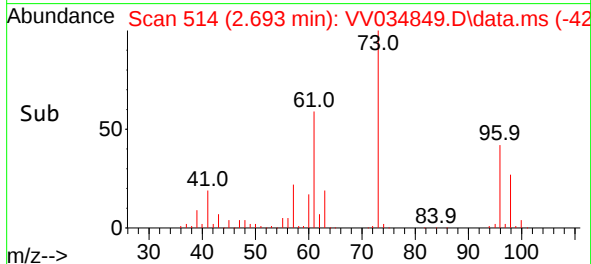
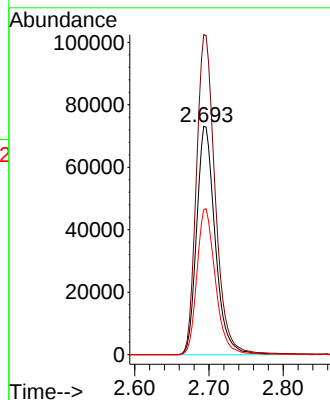
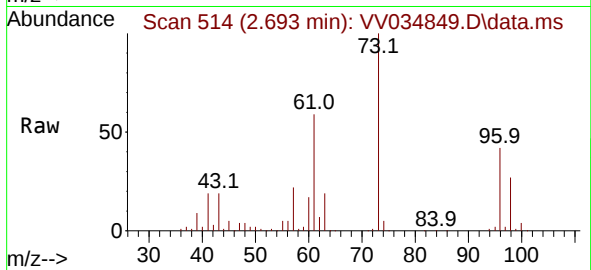




#17
trans-1,2-Dichloroethene
Concen: 44.971 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.000 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

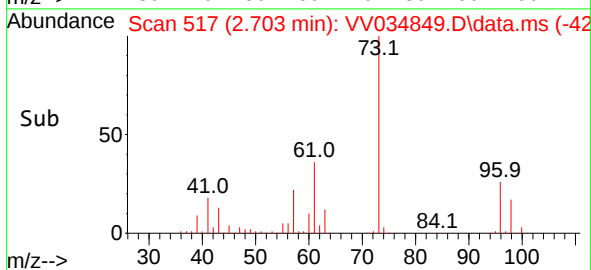
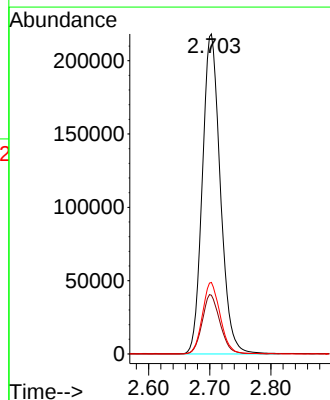
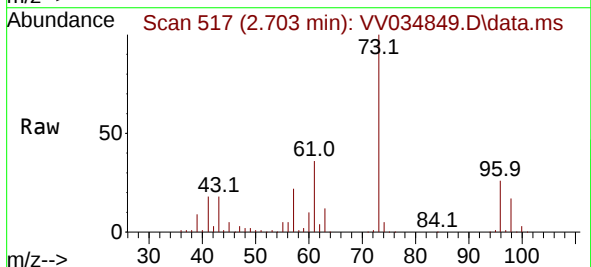
Instrument :
MSVOA_V
ClientSampleId :
EOLY4MS

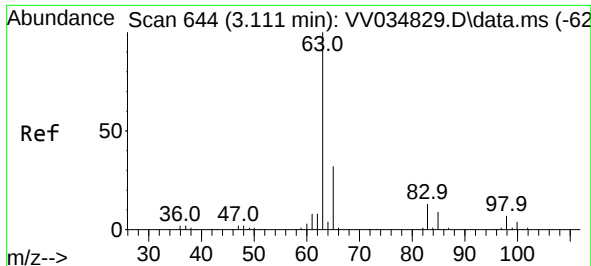
Tgt Ion: 96 Resp: 127205
Ion Ratio Lower Upper
96 100
61 140.2 99.0 183.8
98 63.6 44.3 82.3



#18
Methyl tert-butyl Ether
Concen: 44.853 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

Tgt Ion: 73 Resp: 445624
Ion Ratio Lower Upper
73 100
43 18.1 14.6 21.8
57 22.1 17.6 26.4





#19

1,1-Dichloroethane

Concen: 44.921 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

Instrument :

MSVOA_V

ClientSampleId :

EOLY4MS

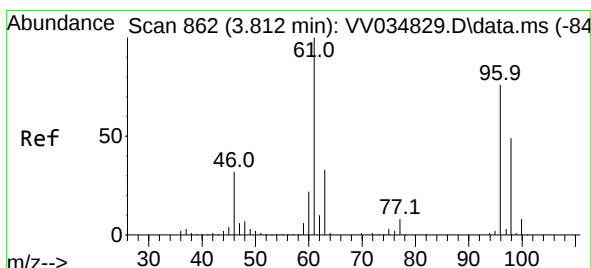
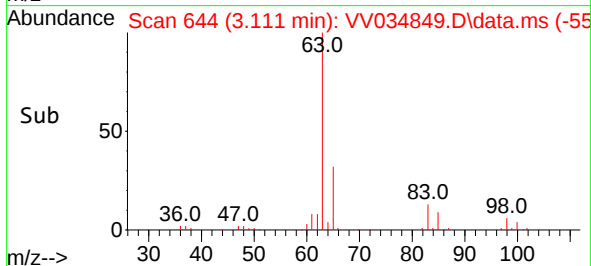
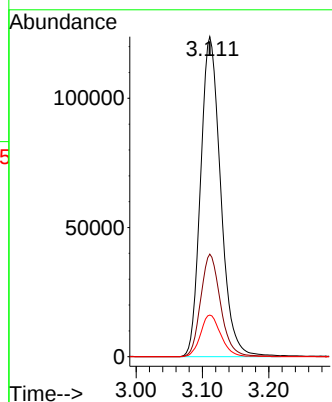
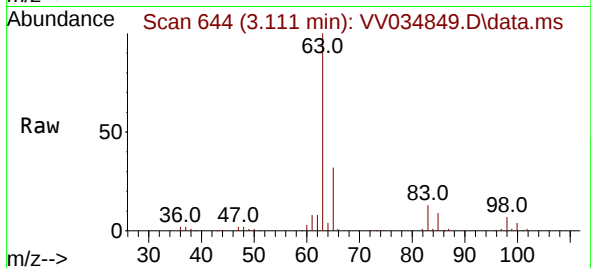
Tgt Ion: 63 Resp: 260566

Ion Ratio Lower Upper

63 100

65 32.1 23.0 42.6

83 13.0 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 51.505 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

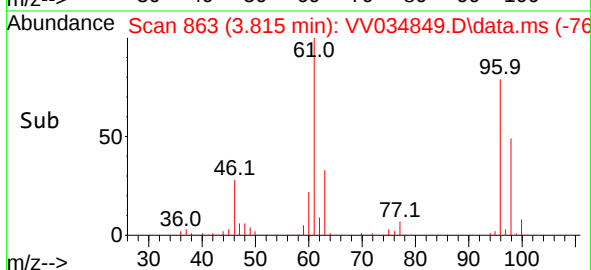
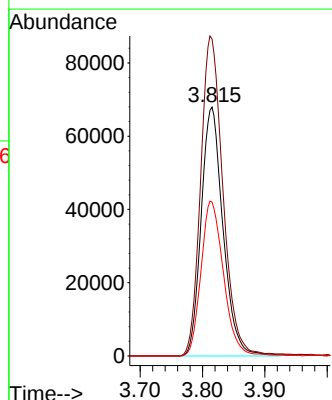
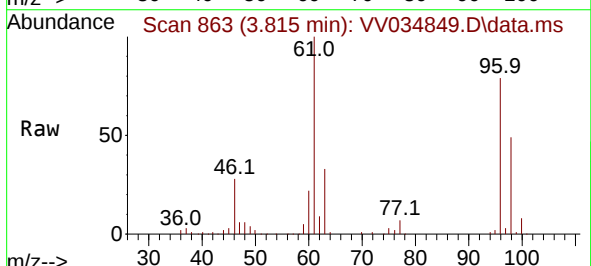
Tgt Ion: 96 Resp: 165435

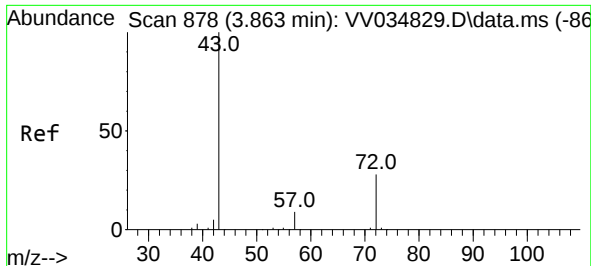
Ion Ratio Lower Upper

96 100

61 127.4 94.9 176.3

98 61.9 45.6 84.8

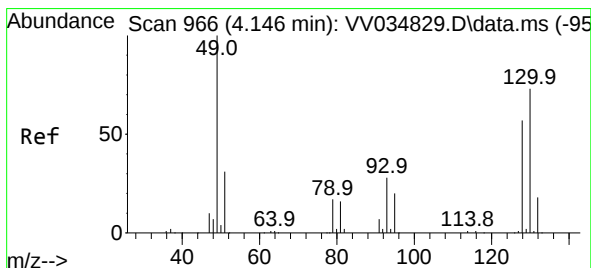
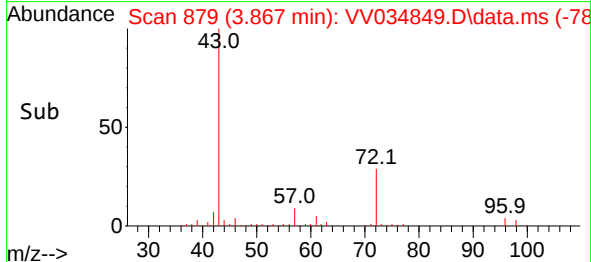
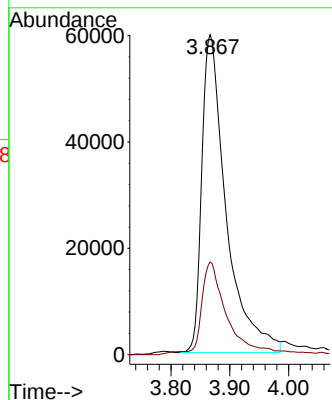
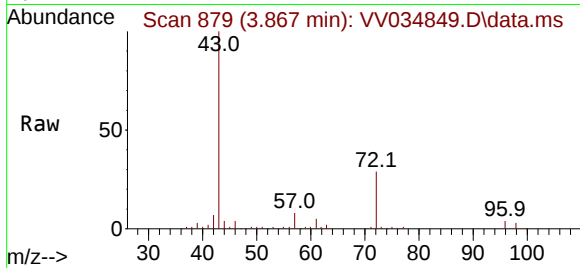




#22
2-Butanone
Concen: 72.432 ug/L
RT: 3.867 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

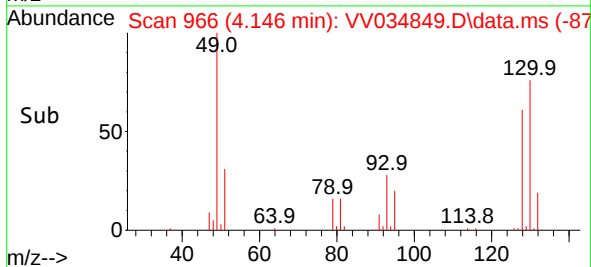
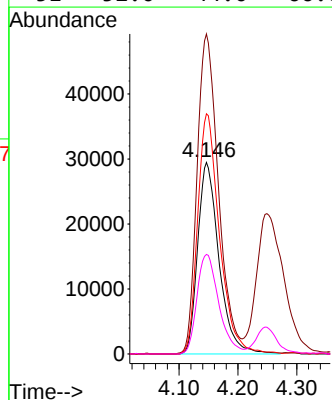
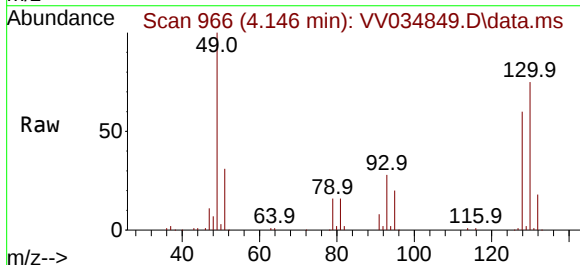
Instrument :
MSVOA_V
ClientSampleId :
EOLY4MS

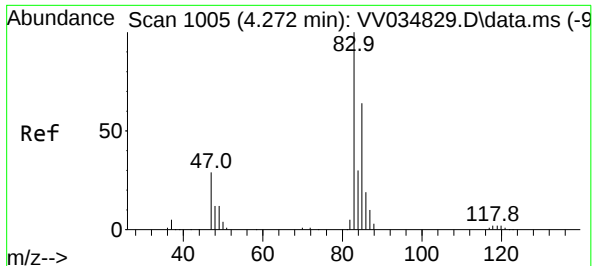
Tgt Ion: 43 Resp: 172292
Ion Ratio Lower Upper
43 100
72 26.2 13.2 39.6



#23
Bromochloromethane
Concen: 46.080 ug/L
RT: 4.146 min Scan# 966
Delta R.T. -0.000 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

Tgt Ion:128 Resp: 74052
Ion Ratio Lower Upper
128 100
49 167.1 123.8 229.8
130 125.4 93.2 173.0
51 52.0 44.0 66.0





#25

Chloroform

Concen: 45.761 ug/L

RT: 4.275 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

Instrument :

MSVOA_V

ClientSampleId :

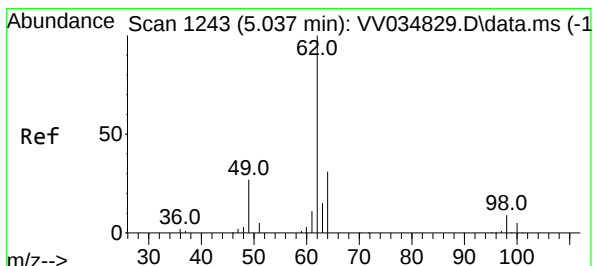
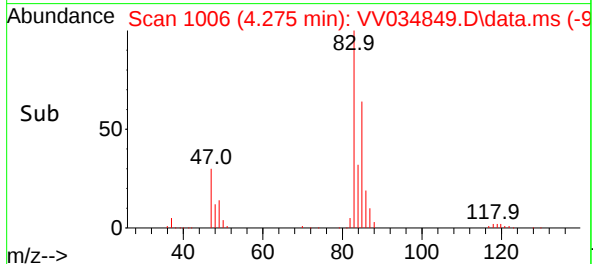
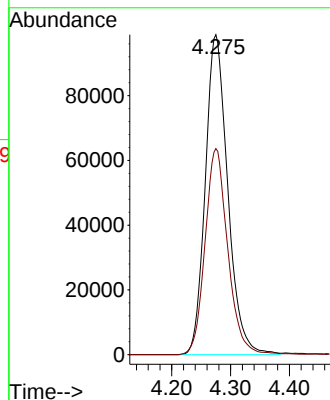
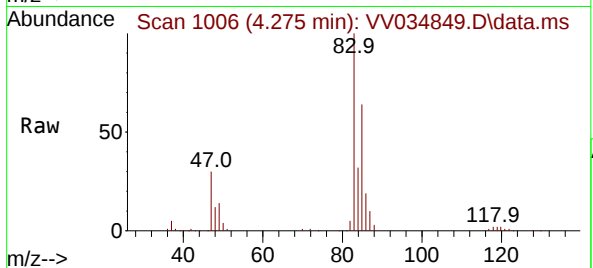
EOLY4MS

Tgt Ion: 83 Resp: 262434

Ion Ratio Lower Upper

83 100

85 64.4 46.0 85.4



#27

1,2-Dichloroethane

Concen: 45.572 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV034849.D

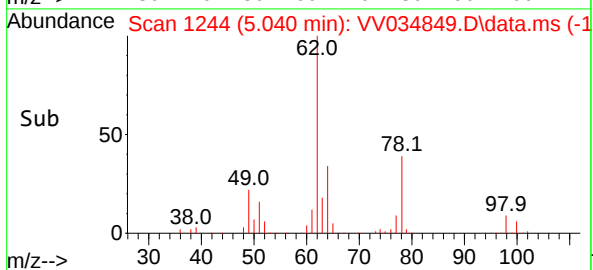
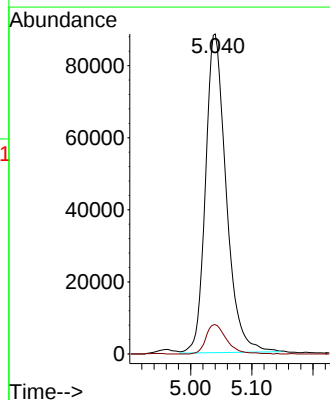
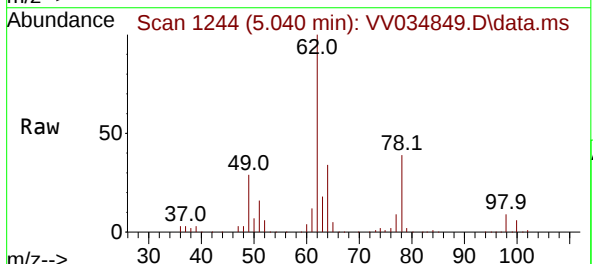
Acq: 26 Mar 2024 23:51

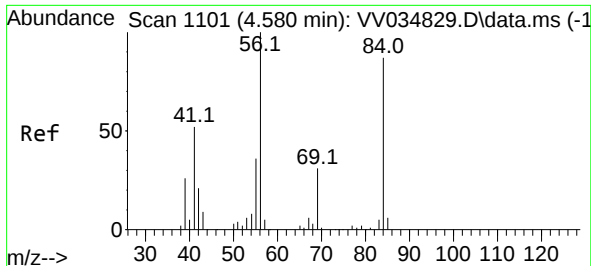
Tgt Ion: 62 Resp: 208082

Ion Ratio Lower Upper

62 100

98 9.2 7.2 10.8





#29

Cyclohexane

Concen: 45.335 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. -0.000 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

Instrument :

MSVOA_V

ClientSampleId :

EOLY4MS

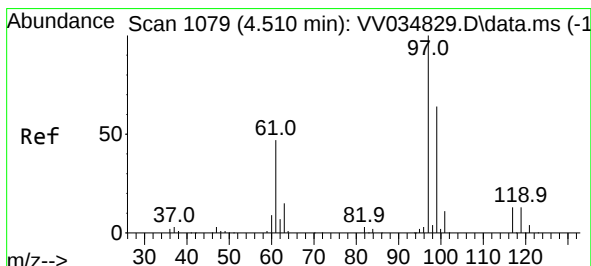
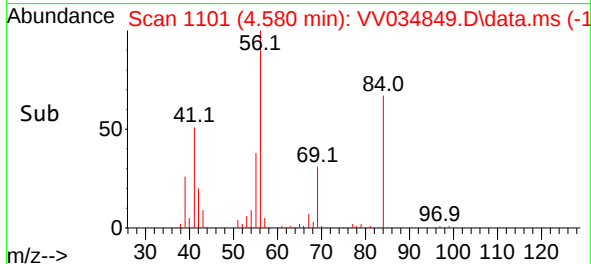
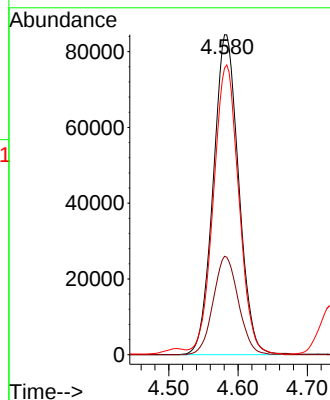
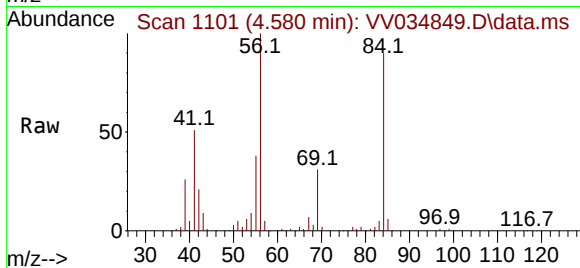
Tgt Ion: 56 Resp: 215027

Ion Ratio Lower Upper

56 100

69 30.4 24.2 36.2

84 90.3 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 45.048 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

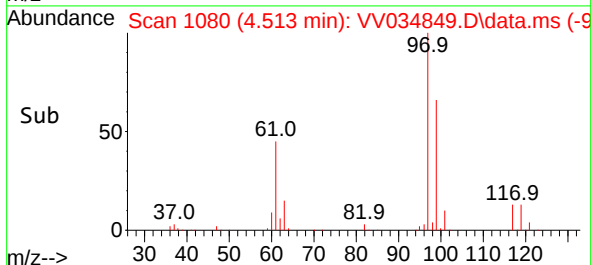
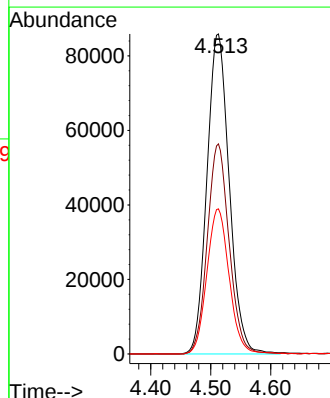
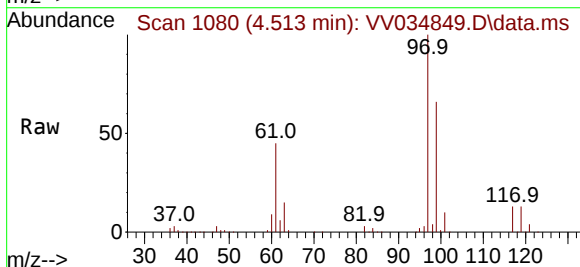
Tgt Ion: 97 Resp: 222366

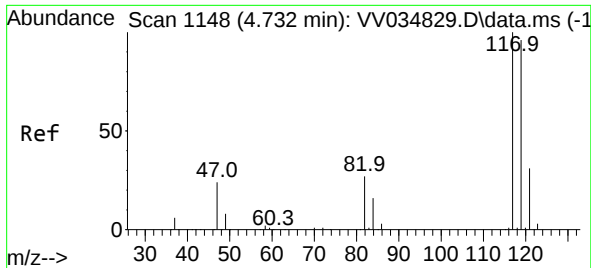
Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.4

61 45.3 36.8 55.2

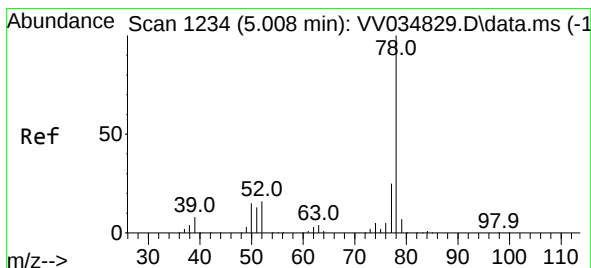
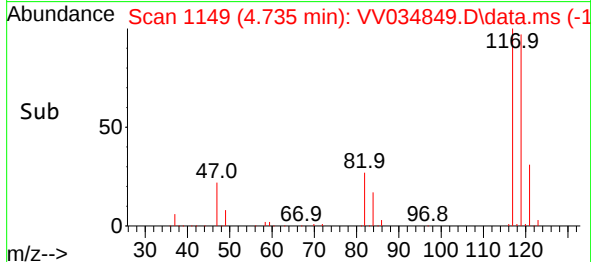
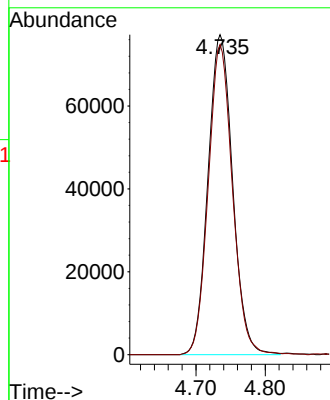
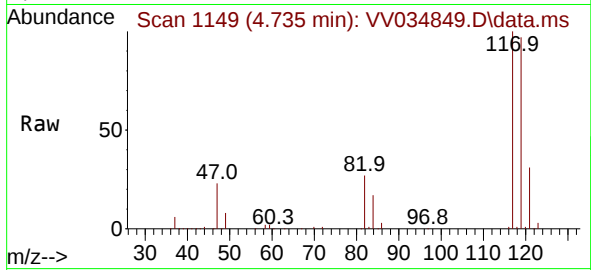




#31
Carbon tetrachloride
Concen: 45.536 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

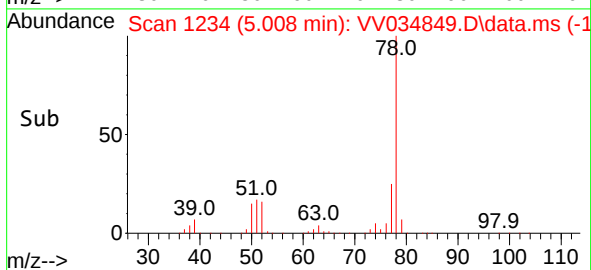
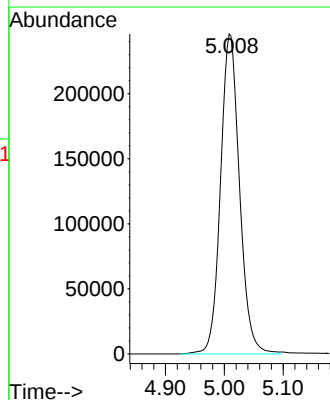
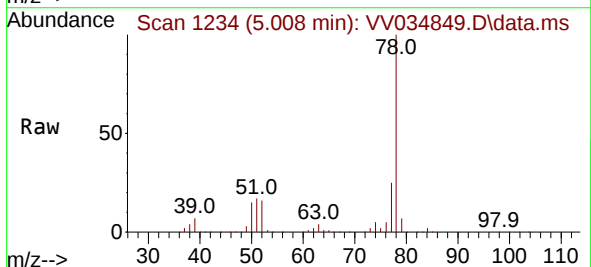
Instrument :
MSVOA_V
ClientSampleId :
EOLY4MS

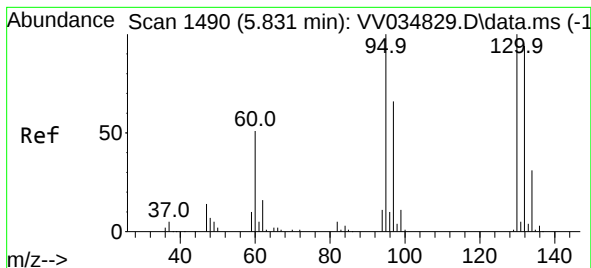
Tgt Ion:117 Resp: 190517
Ion Ratio Lower Upper
117 100
119 95.2 77.1 115.7



#33
Benzene
Concen: 44.679 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

Tgt Ion: 78 Resp: 551723





#34

Trichloroethene

Concen: 43.011 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

Instrument :

MSVOA_V

ClientSampleId :

EOLY4MS

Tgt Ion: 95 Resp: 143340

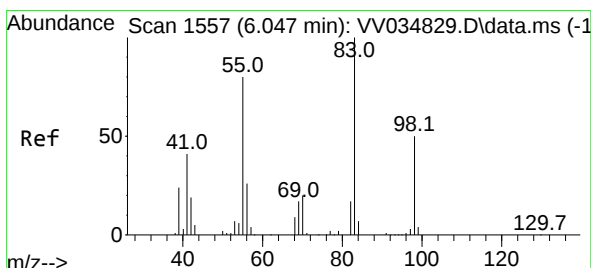
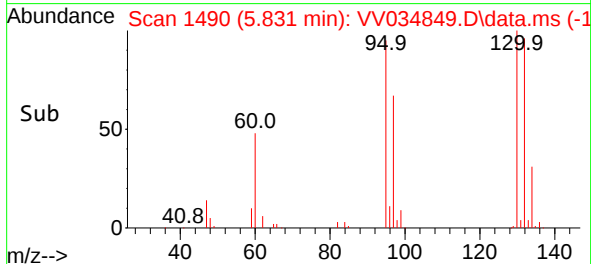
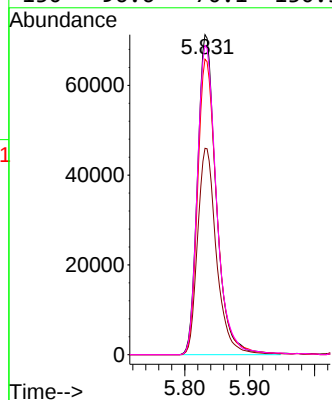
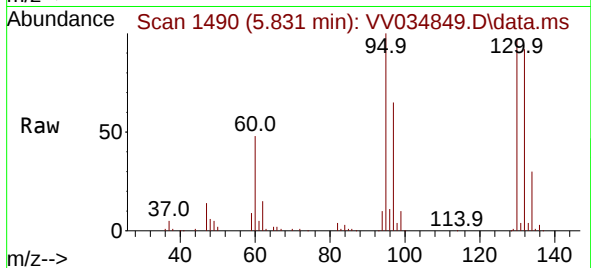
Ion Ratio Lower Upper

95 100

97 64.5 45.3 84.1

132 92.3 65.3 121.3

130 96.6 70.1 130.3



#35

Methylcyclohexane

Concen: 43.597 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

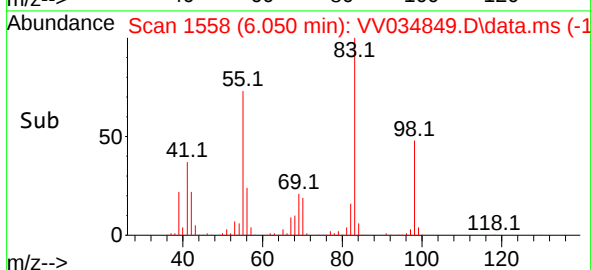
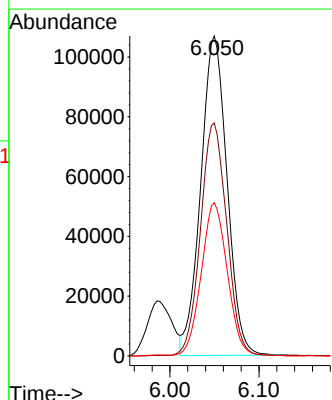
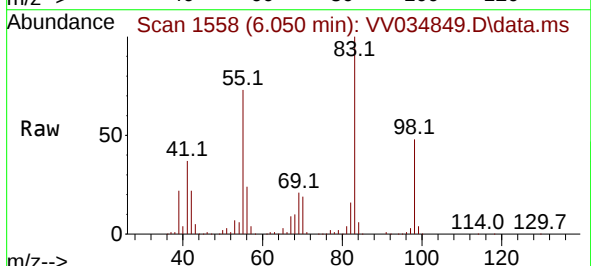
Tgt Ion: 83 Resp: 219426

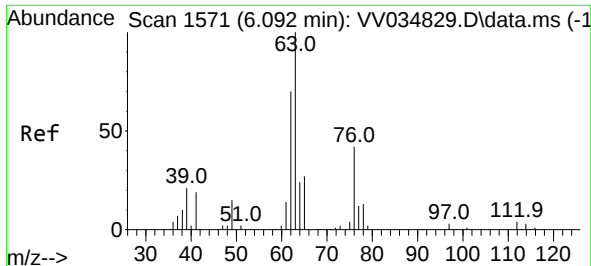
Ion Ratio Lower Upper

83 100

55 72.6 60.0 90.0

98 47.3 37.6 56.4





#37

1,2-Dichloropropane

Concen: 44.259 ug/L

RT: 6.092 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

Instrument :

MSVOA_V

ClientSampleId :

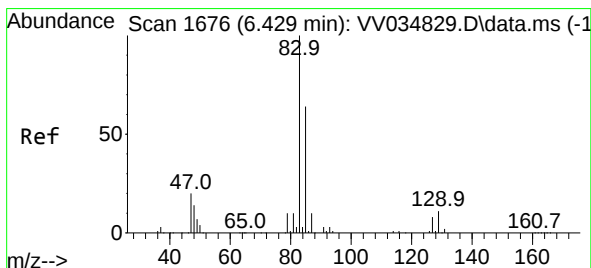
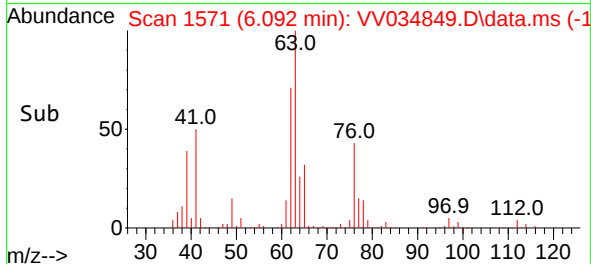
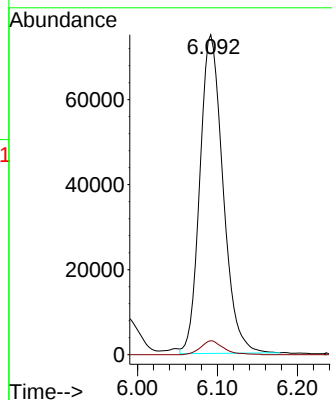
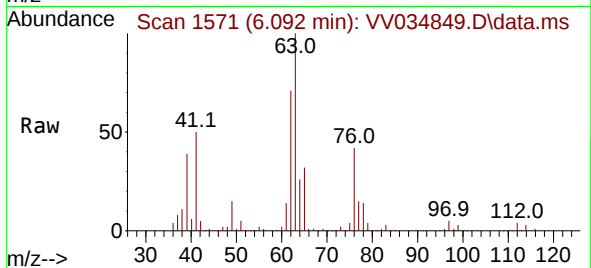
EOLY4MS

Tgt Ion: 63 Resp: 151036

Ion Ratio Lower Upper

63 100

112 4.3 3.3 4.9



#38

Bromodichloromethane

Concen: 44.528 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

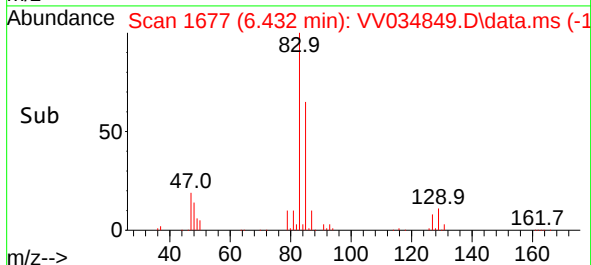
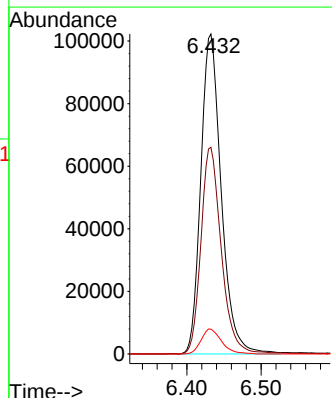
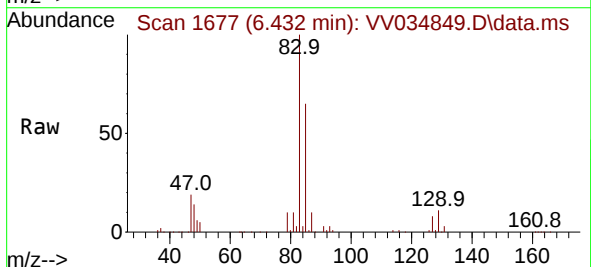
Tgt Ion: 83 Resp: 196060

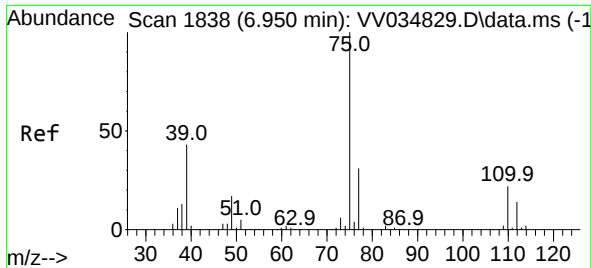
Ion Ratio Lower Upper

83 100

85 64.6 43.7 81.1

127 7.8 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 42.126 ug/L

RT: 6.953 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

Instrument :

MSVOA_V

ClientSampleId :

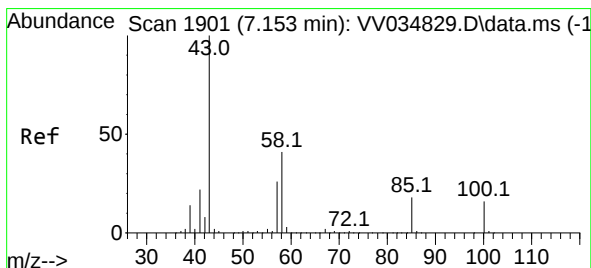
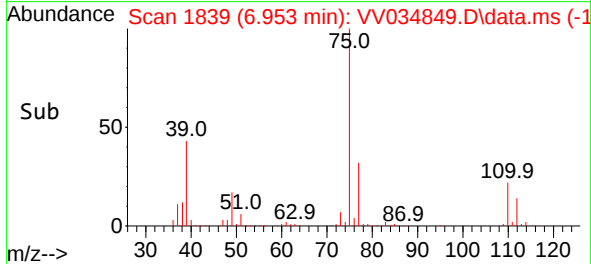
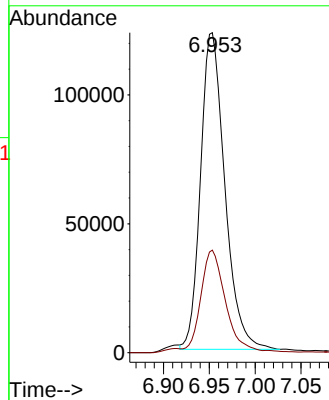
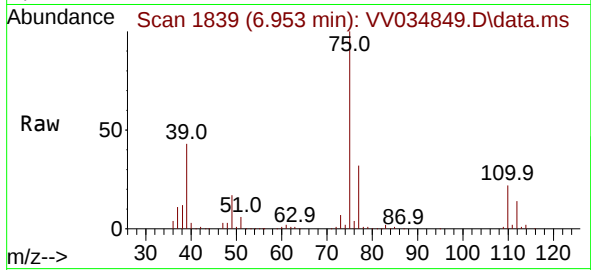
EOLY4MS

Tgt Ion: 75 Resp: 226464

Ion Ratio Lower Upper

75 100

77 32.0 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 86.002 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

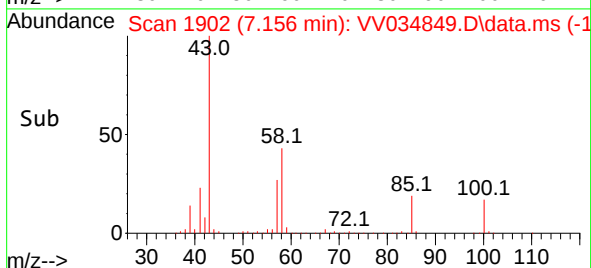
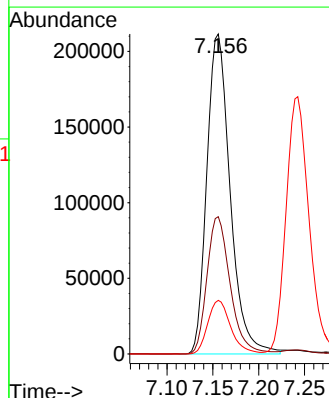
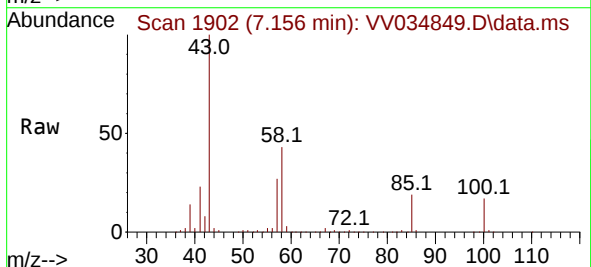
Tgt Ion: 43 Resp: 374717

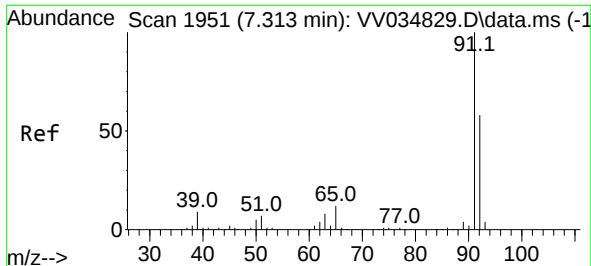
Ion Ratio Lower Upper

43 100

58 42.6 33.8 50.8

100 16.5 13.0 19.4





#42

Toluene

Concen: 45.668 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

Instrument :

MSVOA_V

ClientSampleId :

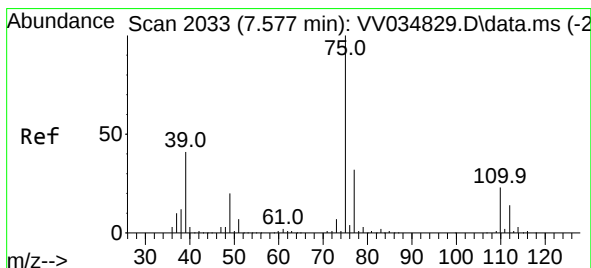
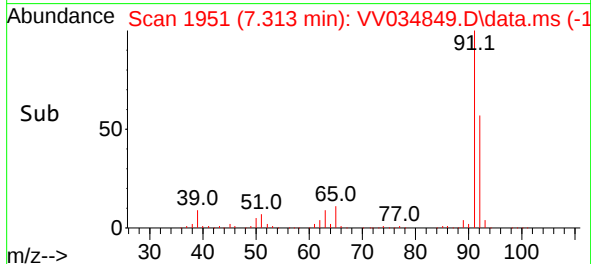
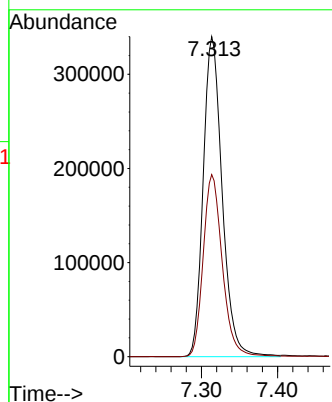
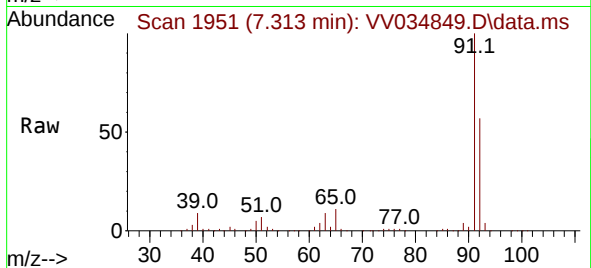
EOLY4MS

Tgt Ion: 91 Resp: 590397

Ion Ratio Lower Upper

91 100

92 56.9 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 45.054 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV034849.D

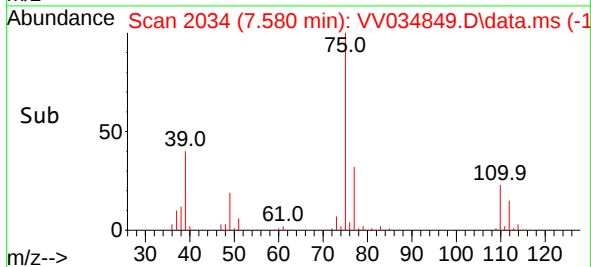
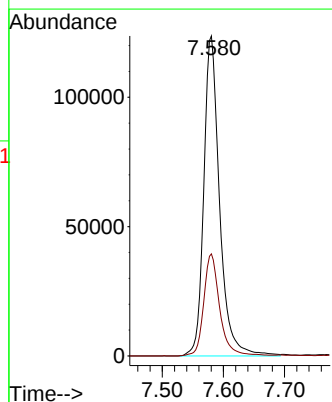
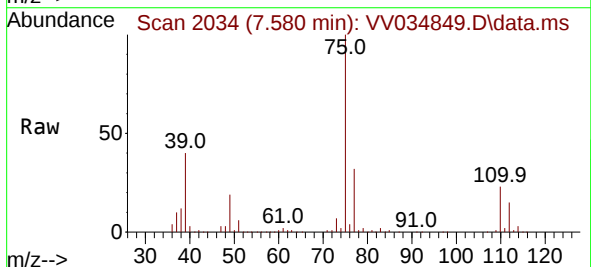
Acq: 26 Mar 2024 23:51

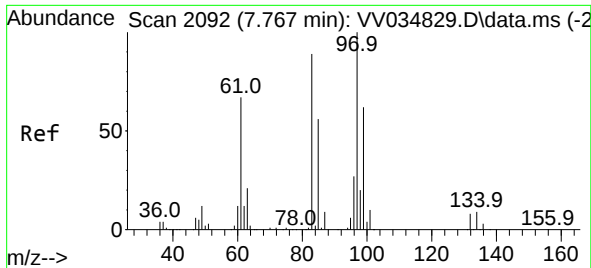
Tgt Ion: 75 Resp: 222519

Ion Ratio Lower Upper

75 100

77 31.9 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 45.384 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. -0.000 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

Instrument :

MSVOA_V

ClientSampleId :

EOLY4MS

Tgt Ion: 97 Resp: 145979

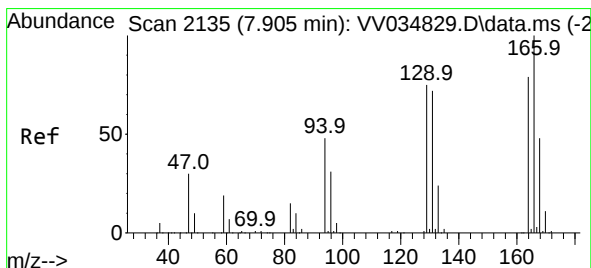
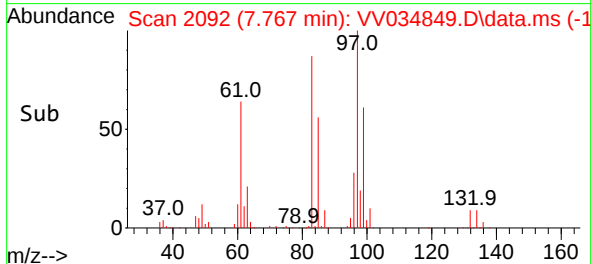
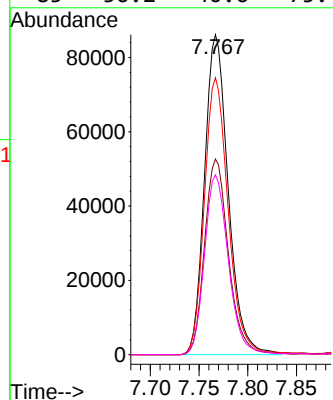
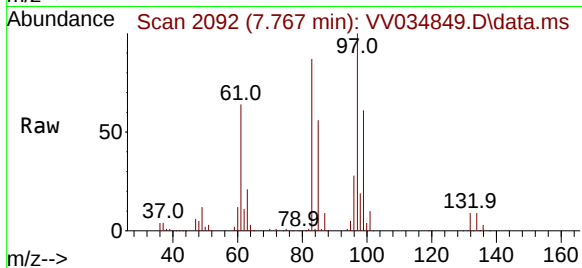
Ion Ratio Lower Upper

97 100

99 61.2 43.3 80.3

83 86.6 61.6 114.4

85 56.2 40.6 75.4



#46

Tetrachloroethene

Concen: 43.583 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

Tgt Ion:164 Resp: 101474

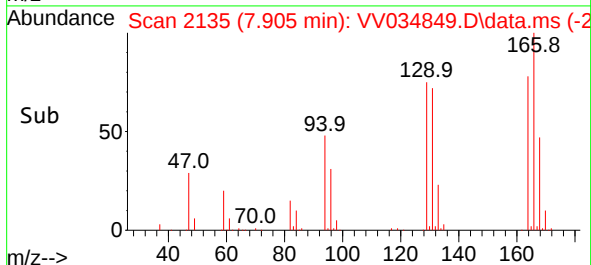
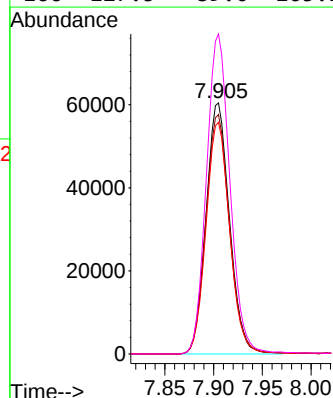
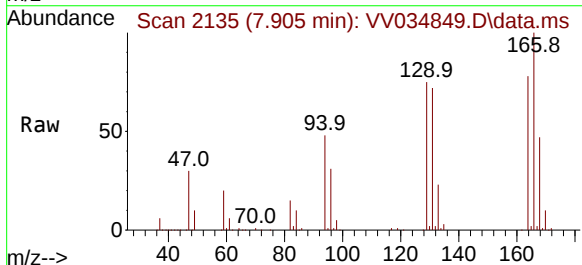
Ion Ratio Lower Upper

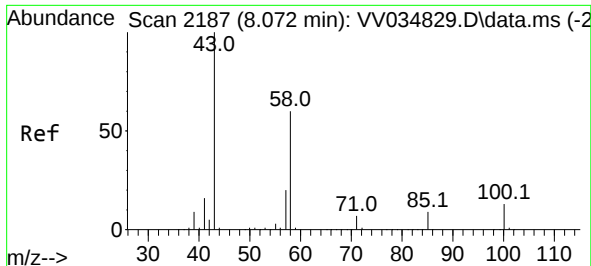
164 100

129 95.4 68.6 127.4

131 92.3 65.7 122.1

166 127.5 89.0 165.2

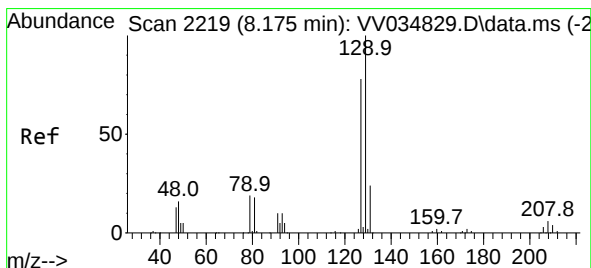
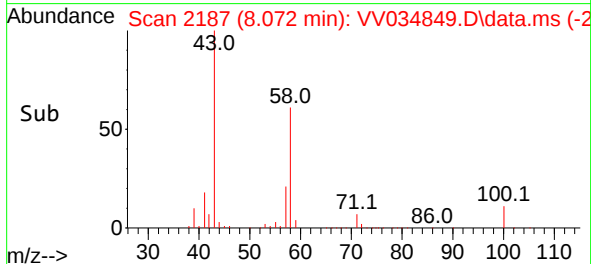
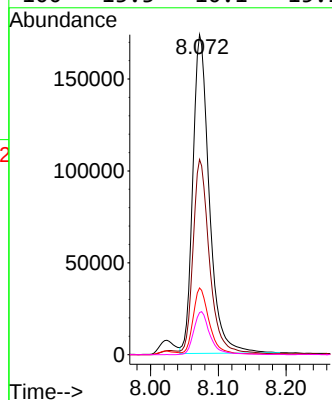
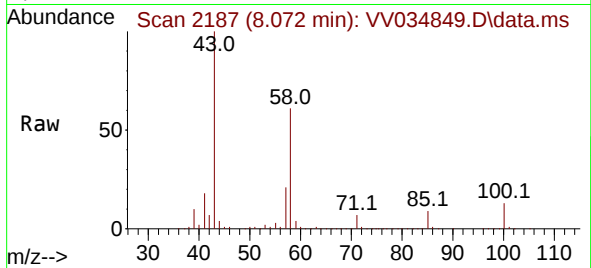




#48
2-Hexanone
Concen: 79.193 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

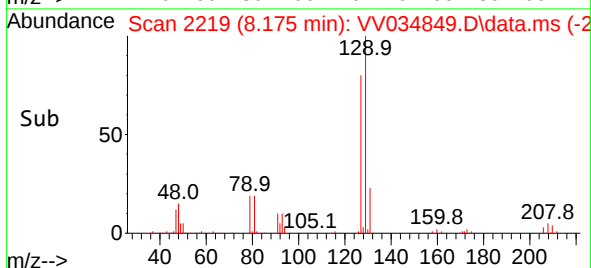
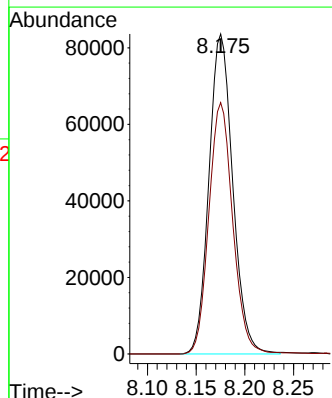
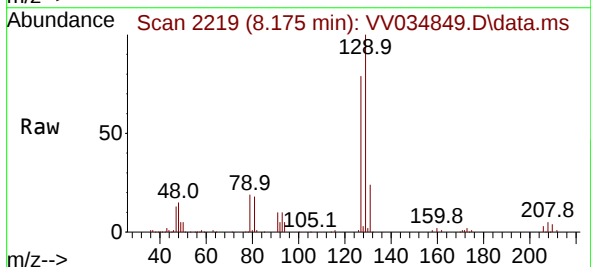
Instrument :
MSVOA_V
ClientSampleId :
EOLY4MS

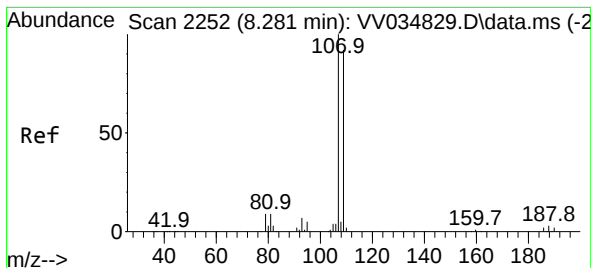
Tgt Ion: 43 Resp: 293465
Ion Ratio Lower Upper
43 100
58 61.0 45.4 68.2
57 19.9 16.2 24.4
100 13.3 10.1 15.1



#49
Dibromochloromethane
Concen: 44.639 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

Tgt Ion: 129 Resp: 142206
Ion Ratio Lower Upper
129 100
127 78.5 54.1 100.5





#50

1,2-Dibromoethane

Concen: 45.125 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

Instrument :

MSVOA_V

ClientSampleId :

EOLY4MS

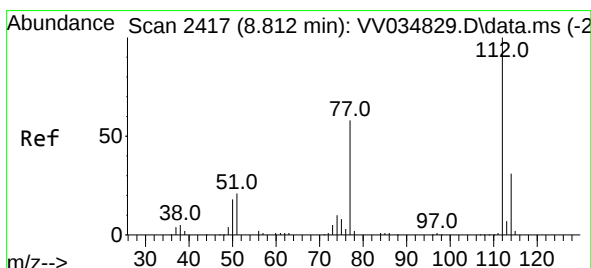
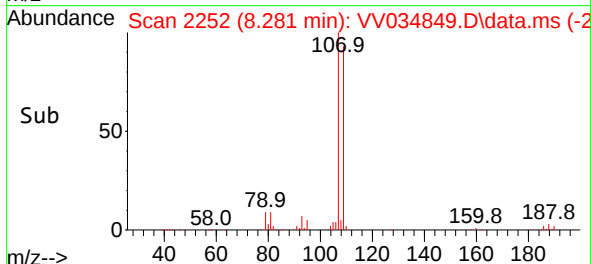
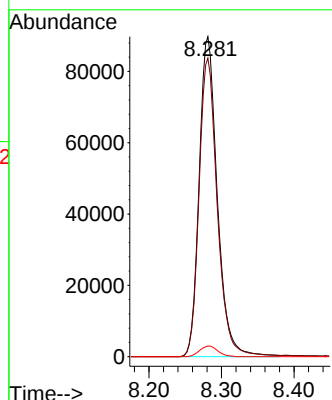
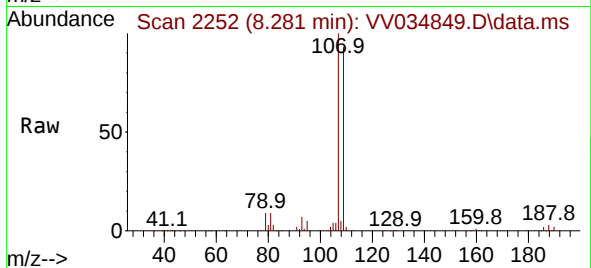
Tgt Ion:107 Resp: 156264

Ion Ratio Lower Upper

107 100

109 93.3 64.5 119.9

188 3.3 2.8 4.2



#51

Chlorobenzene

Concen: 45.139 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.000 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

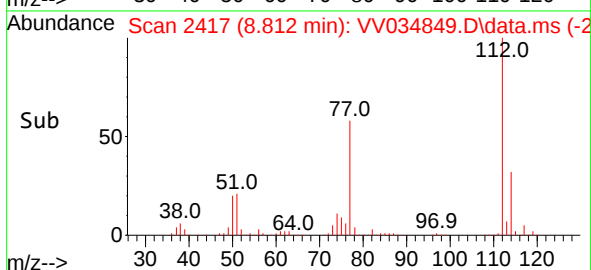
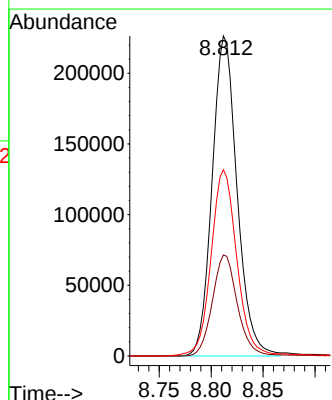
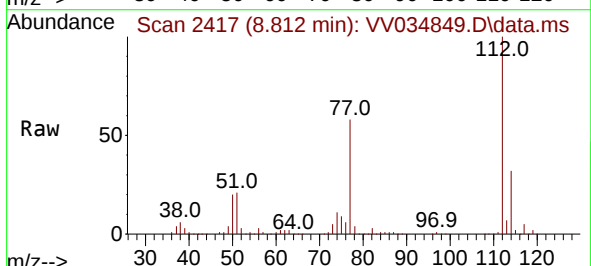
Tgt Ion:112 Resp: 378223

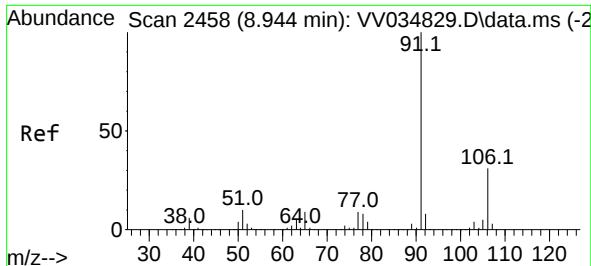
Ion Ratio Lower Upper

112 100

114 31.6 22.0 41.0

77 58.2 47.4 71.2

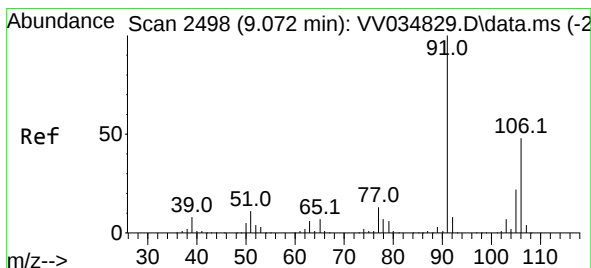
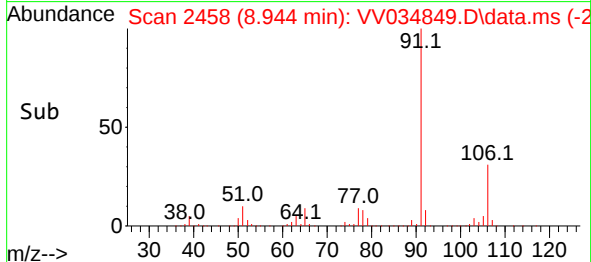
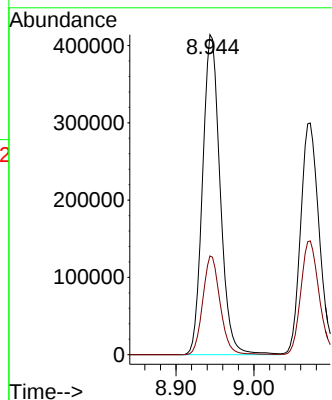
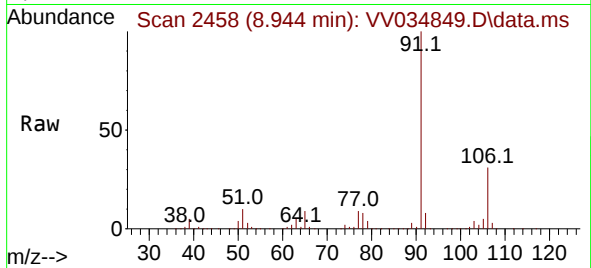




#52
Ethylbenzene
Concen: 45.252 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. -0.000 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

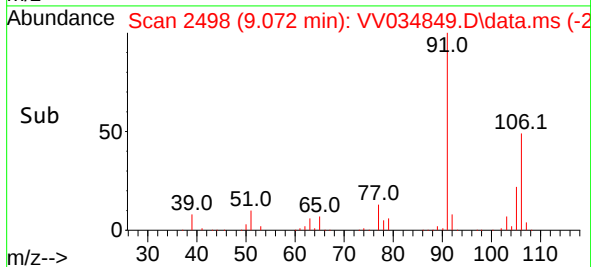
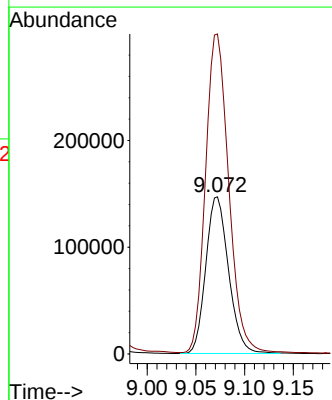
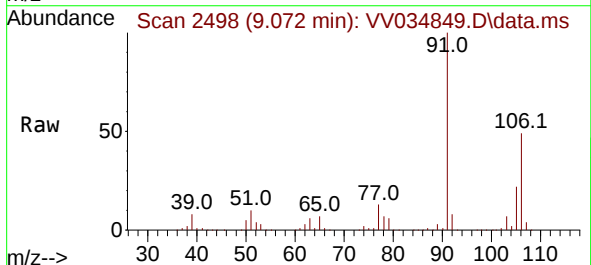
Instrument :
MSVOA_V
ClientSampleId :
EOLY4MS

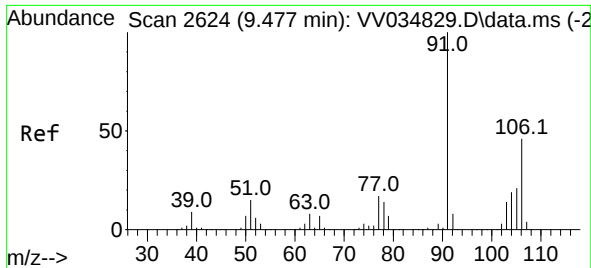
Tgt Ion: 91 Resp: 648375
Ion Ratio Lower Upper
91 100
106 30.9 21.3 39.5



#53
m,p-Xylene
Concen: 45.285 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

Tgt Ion: 106 Resp: 238946
Ion Ratio Lower Upper
106 100
91 203.7 144.8 269.0

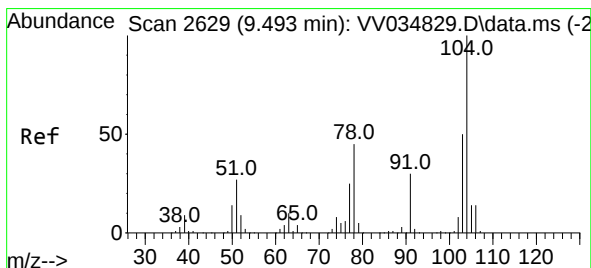
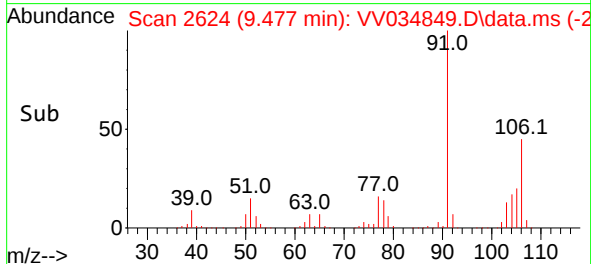
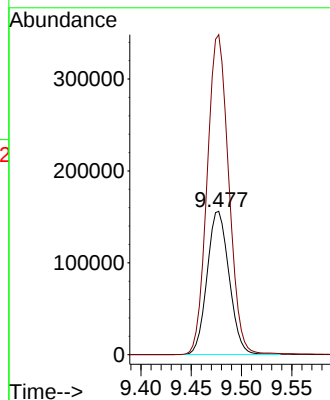
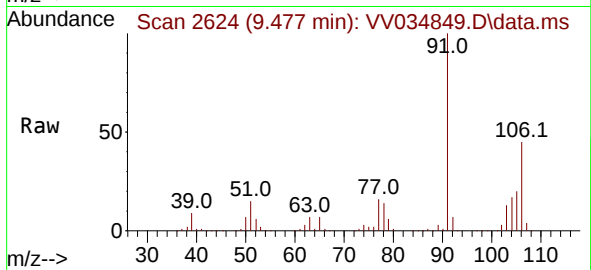




#54
o-Xylene
Concen: 45.558 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

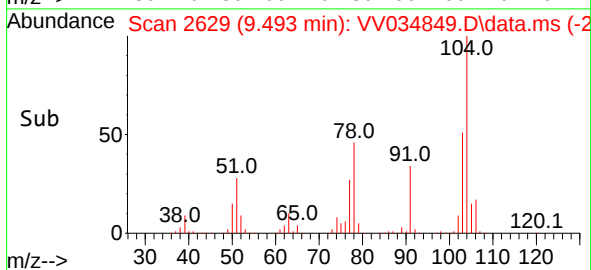
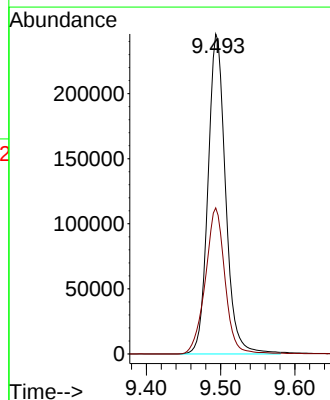
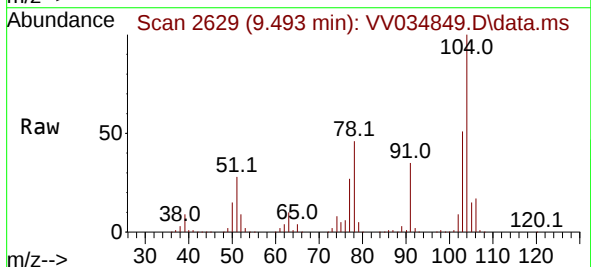
Instrument :
MSVOA_V
ClientSampleId :
E0LY4MS

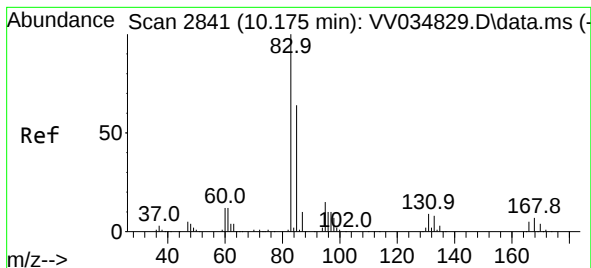
Tgt Ion:106 Resp: 237850
Ion Ratio Lower Upper
106 100
91 223.2 151.3 280.9



#55
Styrene
Concen: 45.773 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.000 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

Tgt Ion:104 Resp: 403838
Ion Ratio Lower Upper
104 100
78 45.6 31.5 58.5

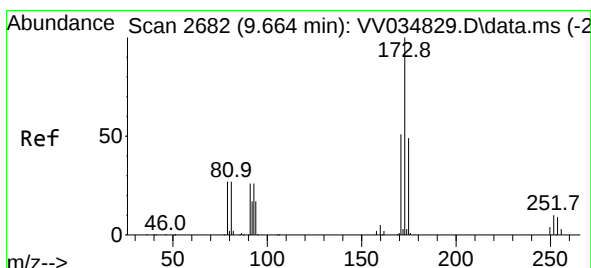
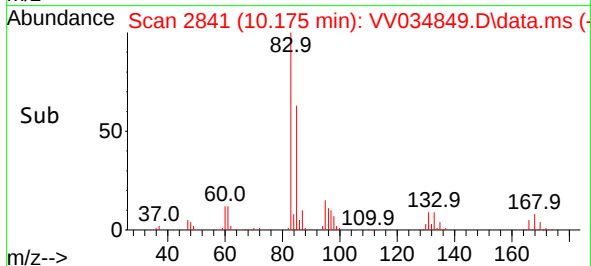
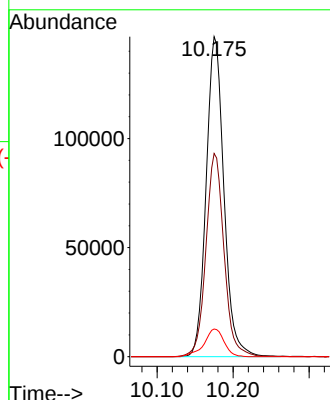
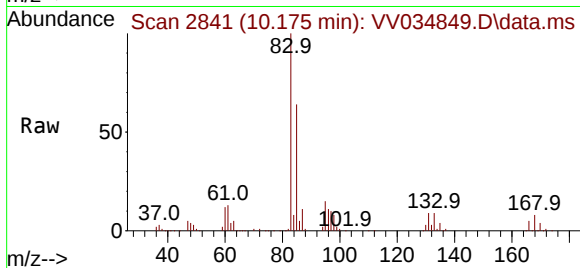




#57
 1,1,2,2-Tetrachloroethane
 Concen: 45.679 ug/L
 RT: 10.175 min Scan# 2841
 Delta R.T. -0.000 min
 Lab File: VV034849.D
 Acq: 26 Mar 2024 23:51

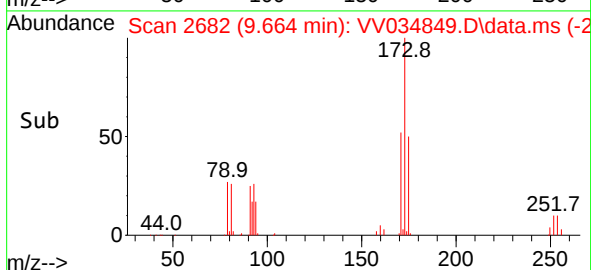
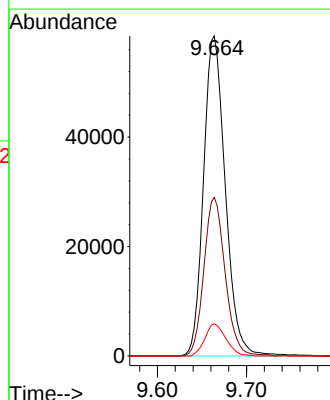
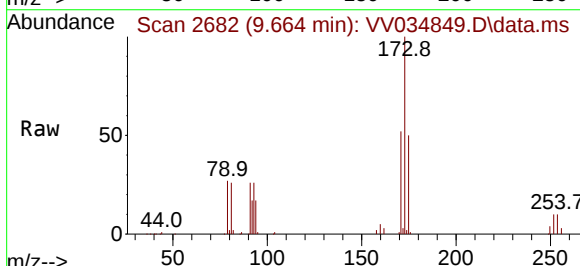
Instrument :
 MSVOA_V
 ClientSampleId :
 EOLY4MS

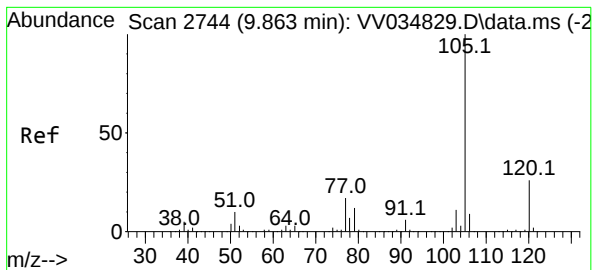
Tgt Ion: 83 Resp: 238055
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.5 82.7
 131 8.6 6.9 10.3



#59
 Bromoform
 Concen: 44.460 ug/L
 RT: 9.664 min Scan# 2682
 Delta R.T. -0.000 min
 Lab File: VV034849.D
 Acq: 26 Mar 2024 23:51

Tgt Ion: 173 Resp: 99224
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.3 58.9
 254 9.6 7.5 11.3

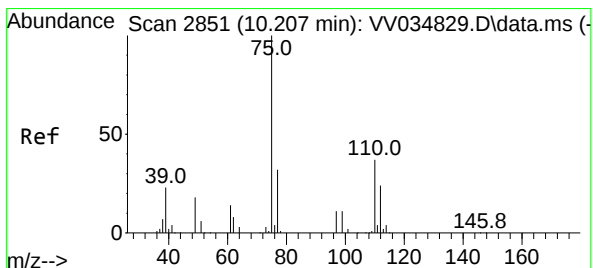
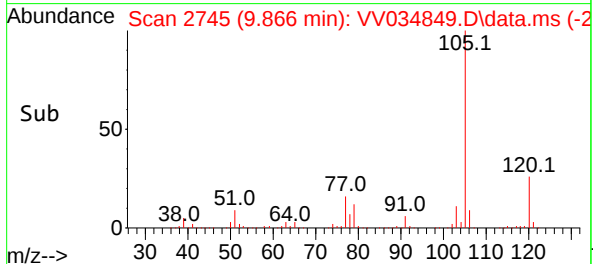
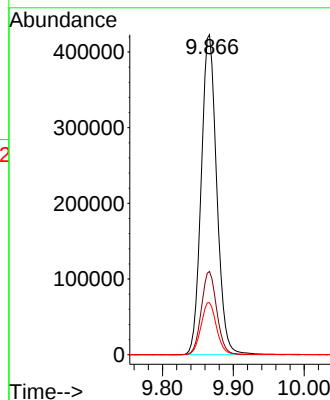
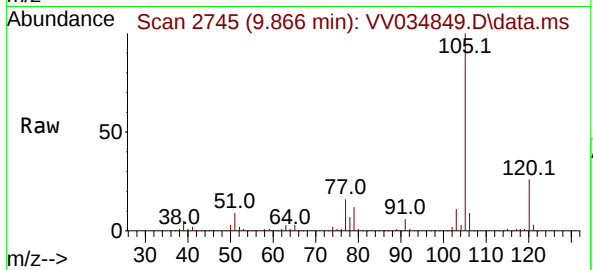




#60
Isopropylbenzene
Concen: 45.748 ug/L
RT: 9.866 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

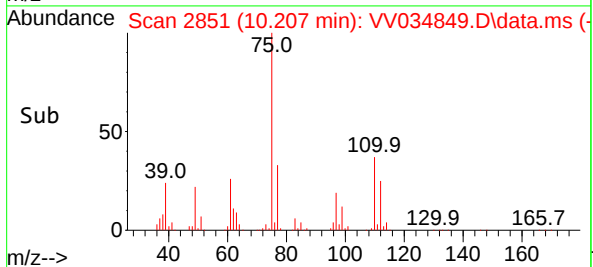
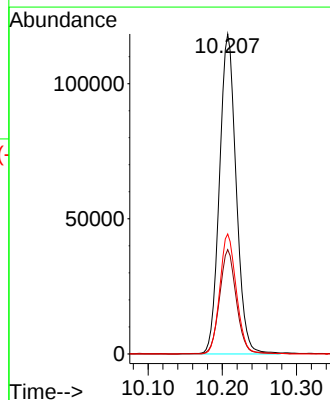
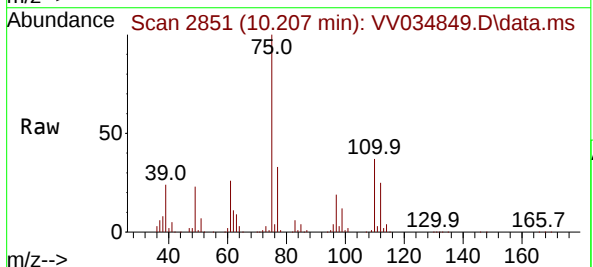
Instrument :
MSVOA_V
ClientSampleId :
EOLY4MS

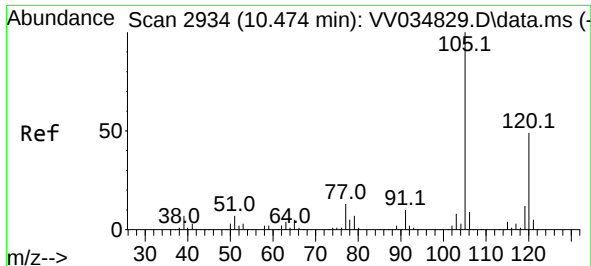
Tgt Ion:105 Resp: 642289
Ion Ratio Lower Upper
105 100
120 25.9 21.0 31.6
77 16.2 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 43.956 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV034849.D
Acq: 26 Mar 2024 23:51

Tgt Ion: 75 Resp: 185496
Ion Ratio Lower Upper
75 100
77 32.3 26.0 39.0
110 37.0 30.5 45.7





#62

1,3,5-Trimethylbenzene

Concen: 45.390 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

Instrument :

MSVOA_V

ClientSampleId :

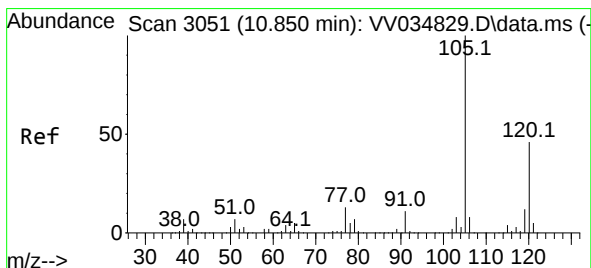
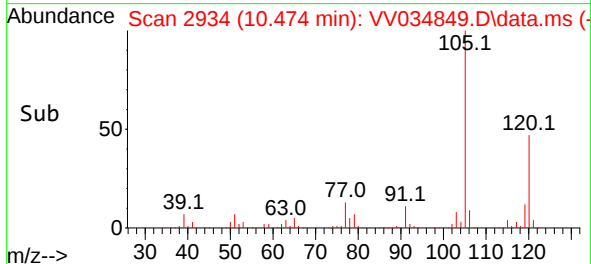
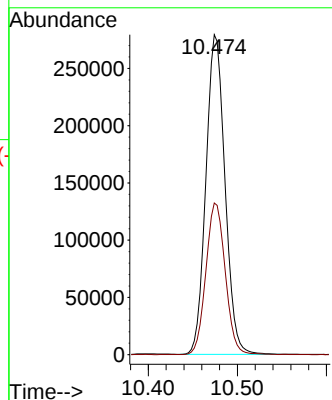
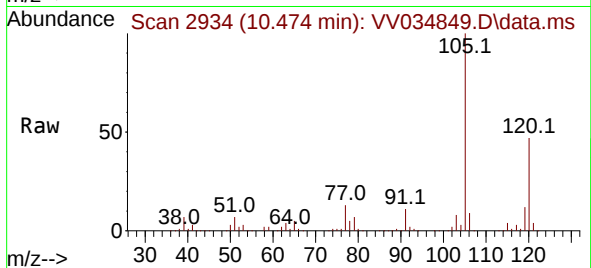
EOLY4MS

Tgt Ion:105 Resp: 413864

Ion Ratio Lower Upper

105 100

120 48.3 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 45.456 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV034849.D

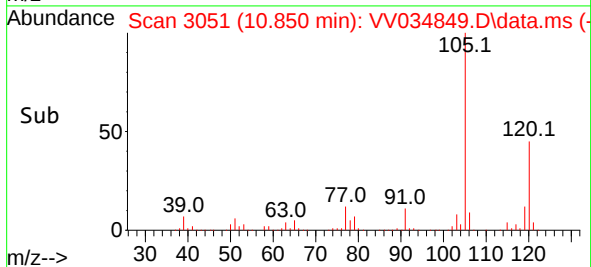
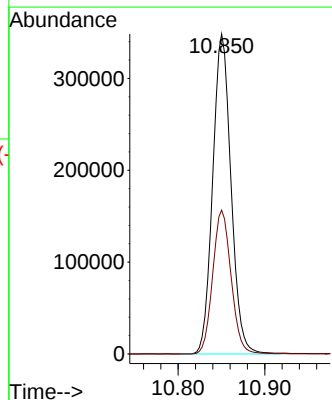
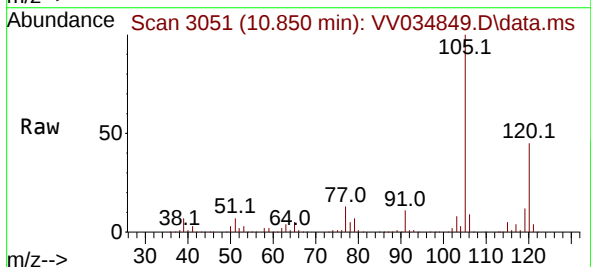
Acq: 26 Mar 2024 23:51

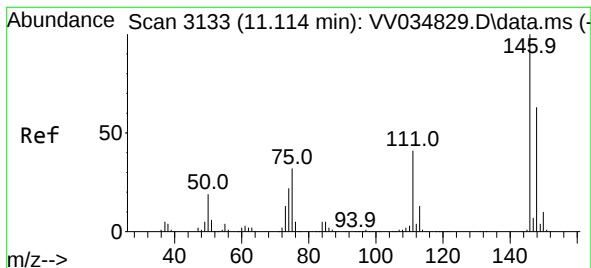
Tgt Ion:105 Resp: 512434

Ion Ratio Lower Upper

105 100

120 45.2 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 43.718 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.003 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

Instrument :

MSVOA_V

ClientSampleId :

EOLY4MS

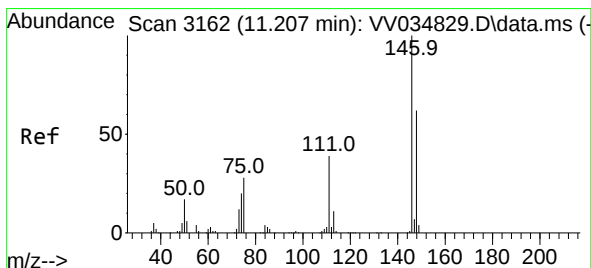
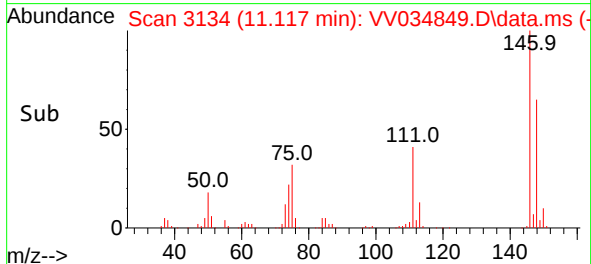
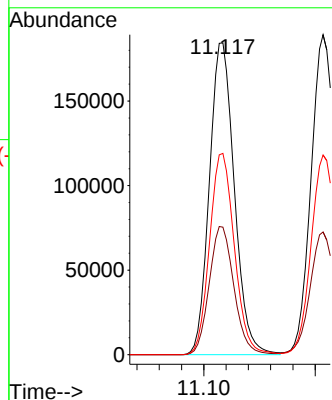
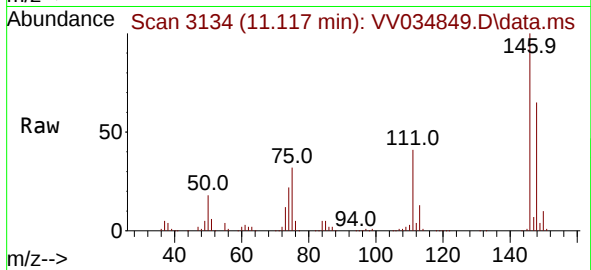
Tgt Ion:146 Resp: 286835

Ion Ratio Lower Upper

146 100

111 40.9 28.7 53.3

148 64.6 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 44.675 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

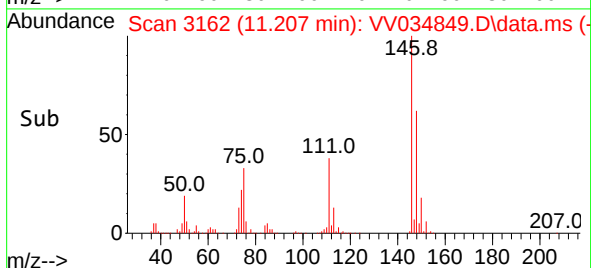
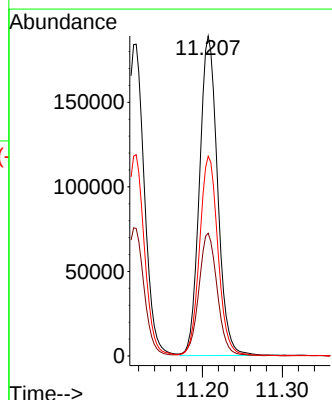
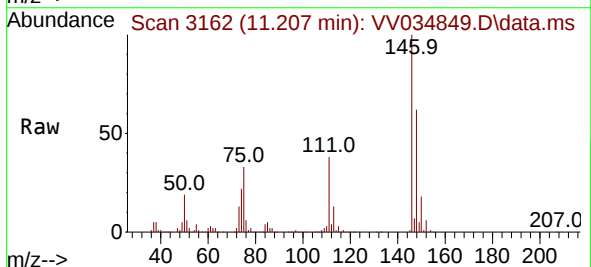
Tgt Ion:146 Resp: 298073

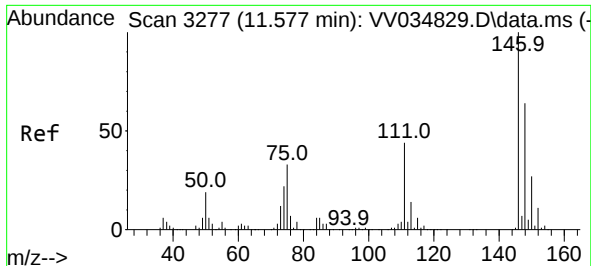
Ion Ratio Lower Upper

146 100

111 38.4 27.4 50.8

148 62.4 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 45.020 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

Instrument :

MSVOA_V

ClientSampleId :

EOLY4MS

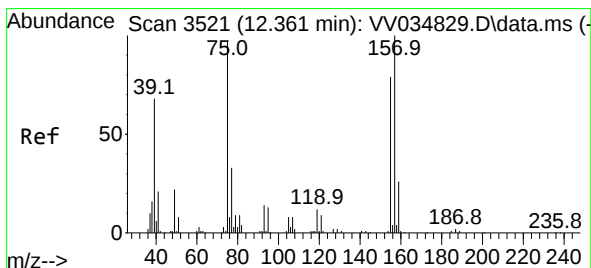
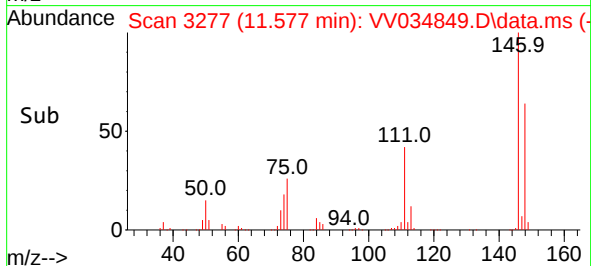
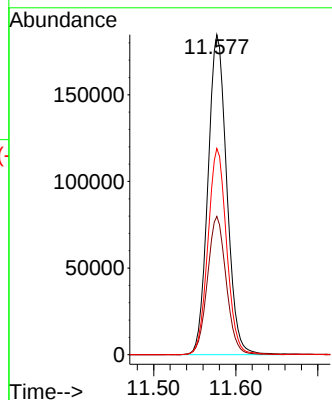
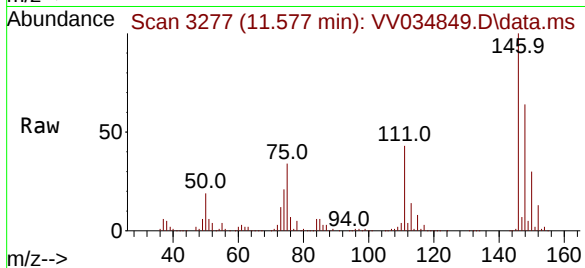
Tgt Ion:146 Resp: 294243

Ion Ratio Lower Upper

146 100

111 43.2 34.6 52.0

148 64.4 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 43.030 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

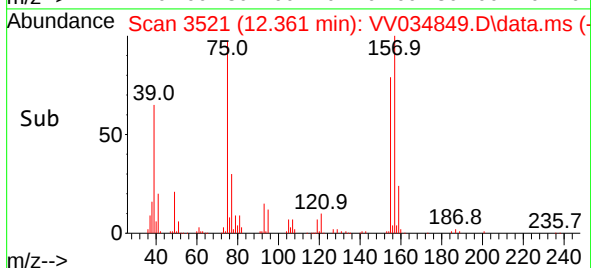
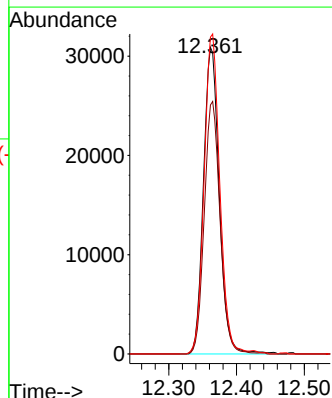
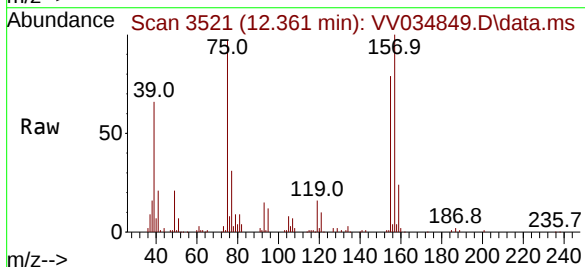
Tgt Ion: 75 Resp: 50028

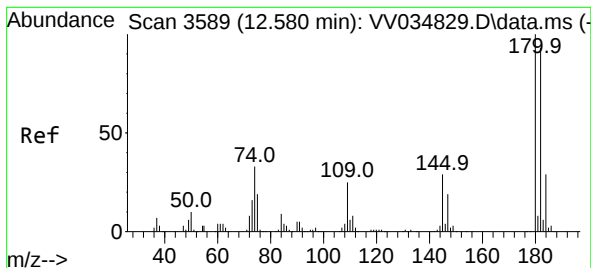
Ion Ratio Lower Upper

75 100

155 81.2 63.0 94.6

157 103.3 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 41.914 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

Lab File: VV034849.D

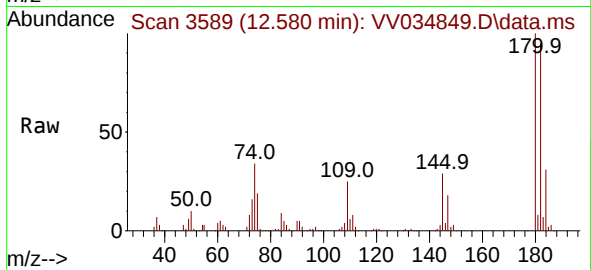
Acq: 26 Mar 2024 23:51

Instrument :

MSVOA_V

ClientSampleId :

EOLY4MS



Tgt Ion:180 Resp: 198190

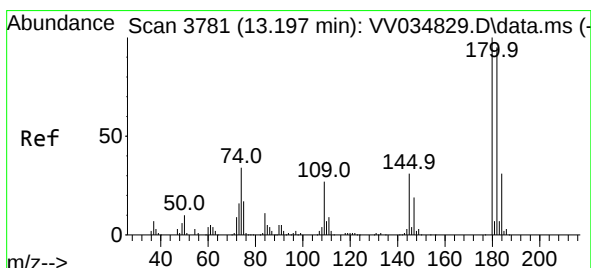
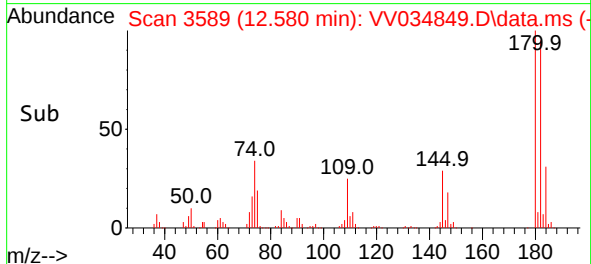
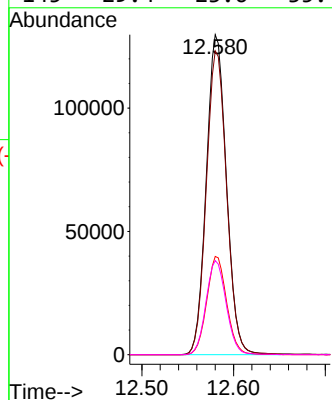
Ion Ratio Lower Upper

180 100

182 95.8 74.7 112.1

184 30.4 24.0 36.0

145 29.4 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 44.059 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

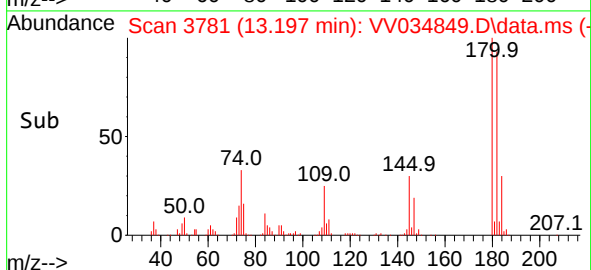
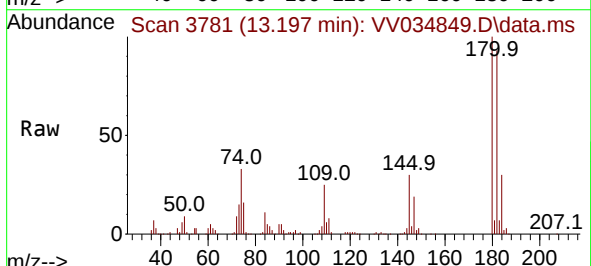
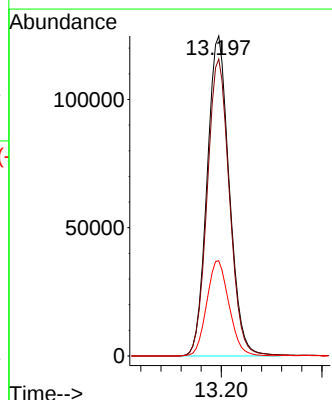
Tgt Ion:180 Resp: 191369

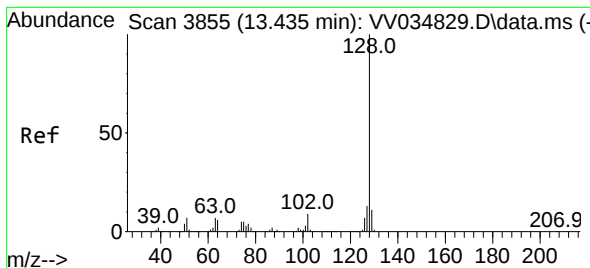
Ion Ratio Lower Upper

180 100

182 93.2 75.6 113.4

145 30.0 24.1 36.1





#71

Naphthalene

Concen: 49.015 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

Instrument :

MSVOA_V

ClientSampleId :

EOLY4MS

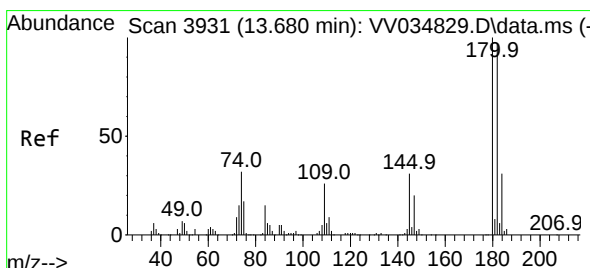
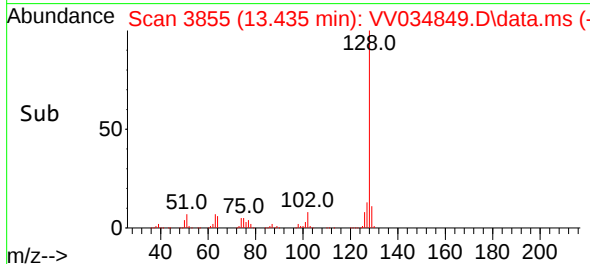
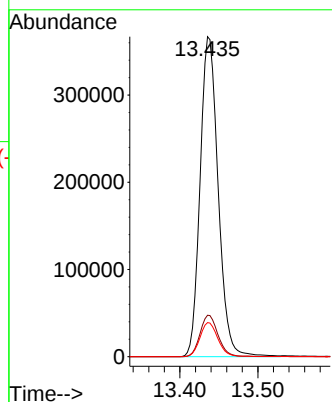
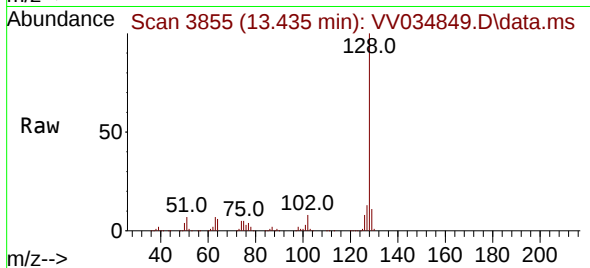
Tgt Ion:128 Resp: 590652

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 10.6 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 45.849 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV034849.D

Acq: 26 Mar 2024 23:51

Tgt Ion:180 Resp: 196299

Ion Ratio Lower Upper

180 100

182 95.9 76.2 114.2

145 32.8 25.8 38.6

