

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072324\
 Data File : VW036636.D
 Acq On : 23 Jul 2024 10:39
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 24 00:52:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 23 02:04:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	360906	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	364226	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	215784	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	84497	21.377	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.520%
7) Chloroethane-d5	1.526	69	81586	22.852	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.400%
11) 1,1-Dichloroethene-d2	2.050	65	46400	22.200	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.800%
21) 2-Butanone-d5	3.841	46	17957	19.466	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	38.940%
24) Chloroform-d	4.239	84	231424	24.245	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.000%
26) 1,2-Dichloroethane-d4	4.937	65	117719	24.999	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.000%
32) Benzene-d6	4.950	84	403771	23.390	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.560%
36) 1,2-Dichloropropane-d6	5.982	67	114739	23.328	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.320%
41) Toluene-d8	7.236	98	394347	23.938	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.760%
43) trans-1,3-Dichloroprop...	7.551	79	50299	23.004	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.000%
47) 2-Hexanone-d5	8.030	63	31173	47.623	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.240%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	102436	23.895	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.560%
66) 1,2-Dichlorobenzene-d4	11.557	152	170720	22.664	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.640%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	148636	24.285	ug/L	99
3) Chloromethane	1.211	50	115561	24.541	ug/L	99
5) Vinyl chloride	1.278	62	142276	24.432	ug/L	99
6) Bromomethane	1.484	94	117774	25.295	ug/L	100
8) Chloroethane	1.545	64	92737	24.574	ug/L	99
9) Trichlorofluoromethane	1.706	101	248296	24.557	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	153837	24.453	ug/L	99
12) 1,1-Dichloroethene	2.059	96	139155	24.993	ug/L	92
13) Acetone	2.384	43	36171	24.137	ug/L	71
14) Carbon disulfide	2.230	76	388008	25.109	ug/L	99
15) Methyl Acetate	2.384	43	38150	21.822	ug/L	100
16) Methylene chloride	2.439	84	137697	20.505	ug/L	98
17) trans-1,2-Dichloroethene	2.686	96	138725	24.671	ug/L	97
18) Methyl tert-butyl Ether	2.699	73	277365	23.519	ug/L	99
19) 1,1-Dichloroethane	3.101	63	215292	24.405	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	138313	23.554	ug/L	98
22) 2-Butanone	3.905	43	53009	41.673	ug/L	84
23) Bromochloromethane	4.140	128	78203	25.059	ug/L	96
25) Chloroform	4.268	83	262326	24.635	ug/L	99

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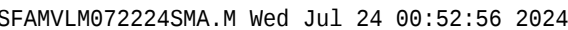
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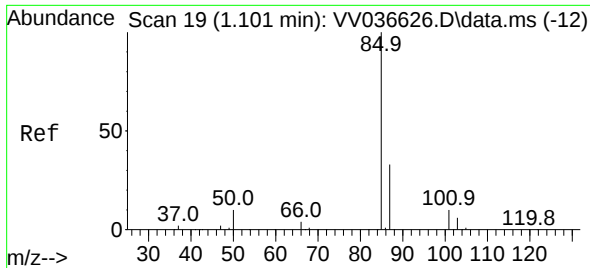
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	162217	25.387	ug/L	97
29) Cyclohexane	4.571	56	146046	22.490	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	226555	24.043	ug/L	100
31) Carbon tetrachloride	4.725	117	212182	24.101	ug/L	99
33) Benzene	5.001	78	506581	24.491	ug/L	100
34) Trichloroethene	5.825	95	160715	23.743	ug/L	98
35) Methylcyclohexane	6.043	83	210166	23.318	ug/L	99
37) 1,2-Dichloropropane	6.085	63	112692	23.673	ug/L	98
38) Bromodichloromethane	6.426	83	186954	24.088	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	192344	24.608	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	107043	48.156	ug/L	98
42) Toluene	7.310	91	577559	25.210	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	173251	24.682	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	112370	24.204	ug/L	98
46) Tetrachloroethene	7.898	164	145361	21.641	ug/L	100
48) 2-Hexanone	8.079	43	88084	50.541	ug/L	98
49) Dibromochloromethane	8.172	129	146138	24.984	ug/L	99
50) 1,2-Dibromoethane	8.278	107	115874	24.843	ug/L	97
51) Chlorobenzene	8.808	112	406426	24.501	ug/L	99
52) Ethylbenzene	8.940	91	621352	24.656	ug/L	99
53) m,p-Xylene	9.069	106	250912	25.502	ug/L	97
54) o-Xylene	9.474	106	236526	25.020	ug/L	100
55) Styrene	9.490	104	433516	27.044	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	99663	23.693	ug/L	98
59) Bromoform	9.660	173	97411	23.970	ug/L	98
60) Isopropylbenzene	9.863	105	638491	24.180	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	89657	23.569	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	513414	24.926	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	524635	25.162	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	359092	24.327	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	370955	24.402	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	333138	24.272	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	21096	23.550	ug/L	95
69) 1,3,5-Trichlorobenzene	12.577	180	273044	23.448	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	218689	23.120	ug/L	99
71) Naphthalene	13.435	128	331833	23.583	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	211669	24.801	ug/L	99

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

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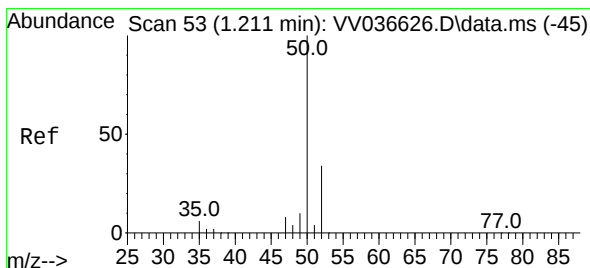
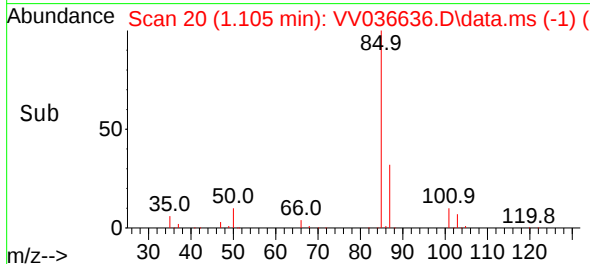
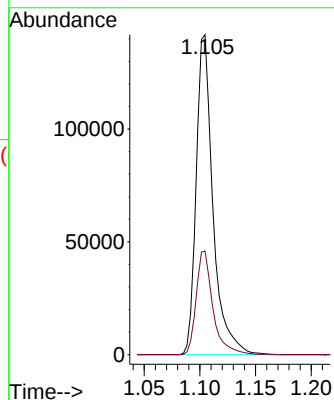
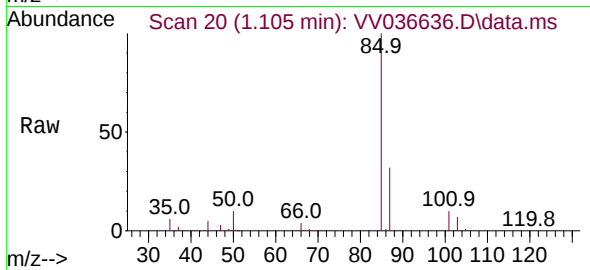




#2
 Dichlorodifluoromethane
 Concen: 24.285 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VV036636.D
 Acq: 23 Jul 2024 10:39

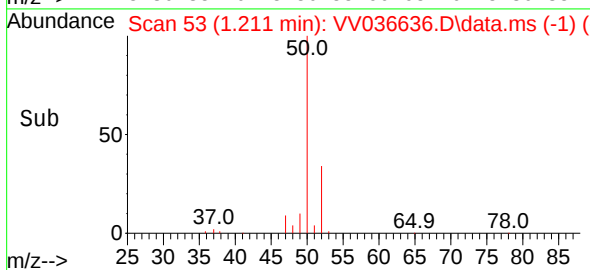
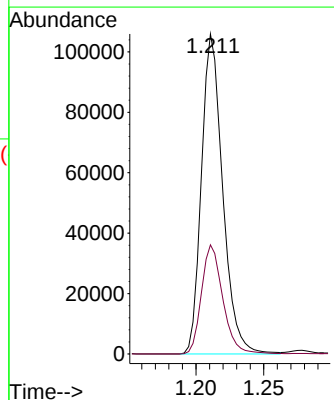
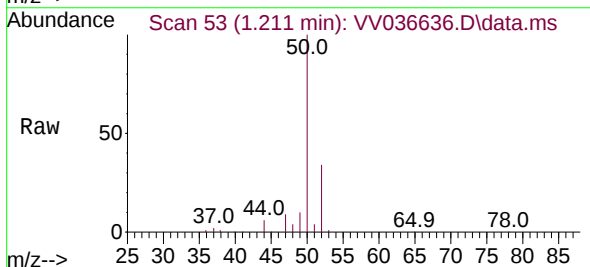
Instrument :
 MSVOA_V
 ClientSampleId :

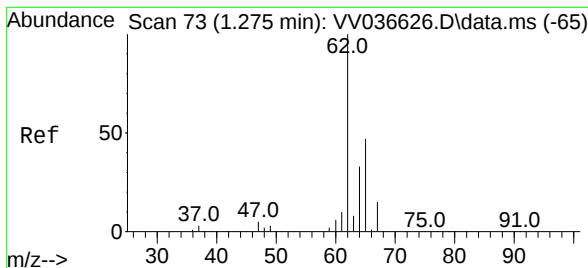
Tgt Ion: 85 Resp: 148636
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.5 39.7



#3
 Chloromethane
 Concen: 24.541 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. -0.000 min
 Lab File: VV036636.D
 Acq: 23 Jul 2024 10:39

Tgt Ion: 50 Resp: 115561
 Ion Ratio Lower Upper
 50 100
 52 34.1 23.3 43.3





#5

Vinyl chloride

Concen: 24.432 ug/L

RT: 1.278 min Scan# 74

Delta R.T. 0.003 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

Instrument :

MSVOA_V

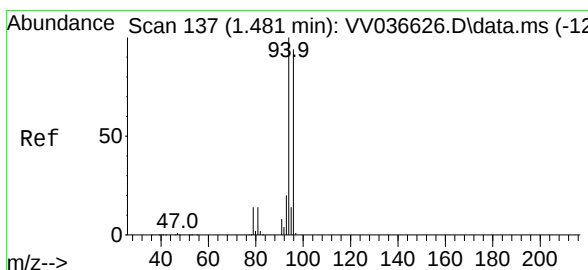
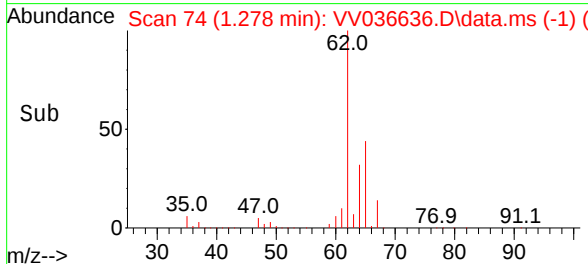
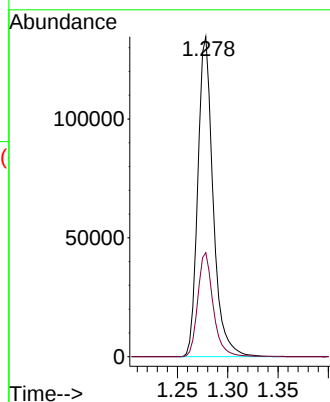
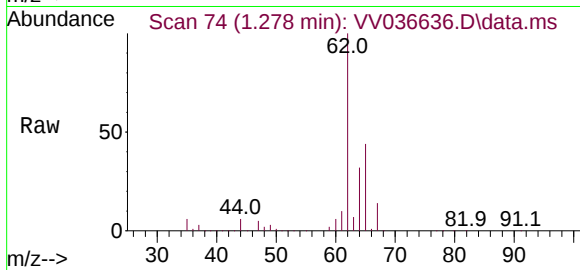
ClientSampleId :

Tgt Ion: 62 Resp: 142276

Ion Ratio Lower Upper

62 100

64 32.5 23.1 42.9



#6

Bromomethane

Concen: 25.295 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.003 min

Lab File: VV036636.D

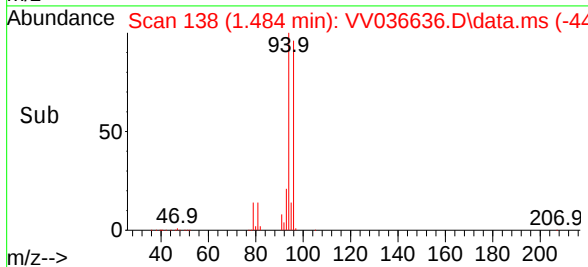
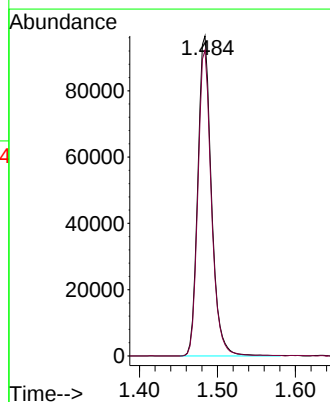
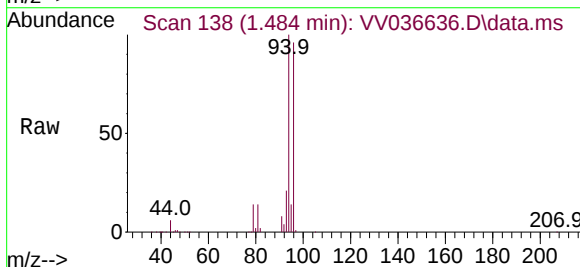
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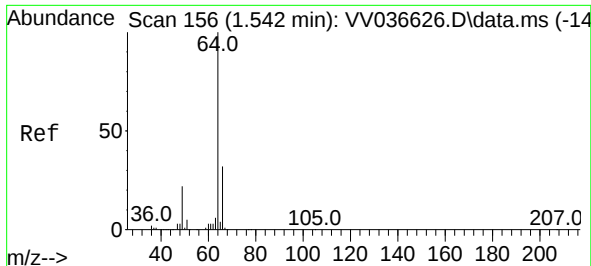
Tgt Ion: 94 Resp: 117774

Ion Ratio Lower Upper

94 100

96 95.5 66.6 123.6

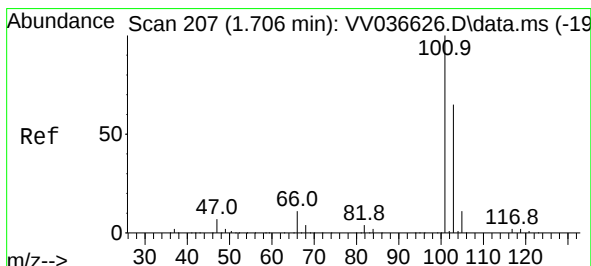
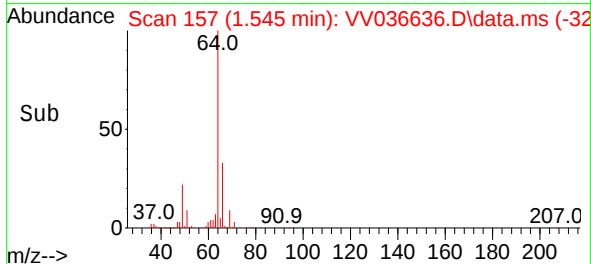
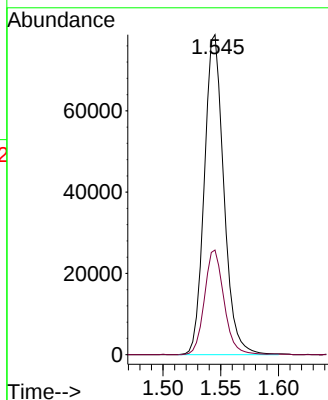
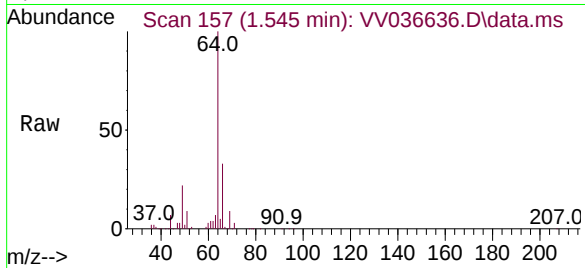




#8
Chloroethane
Concen: 24.574 ug/L
RT: 1.545 min Scan# 156
Delta R.T. 0.003 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

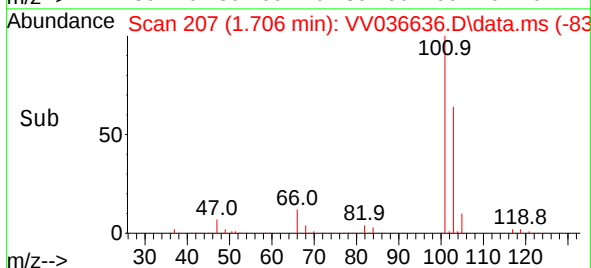
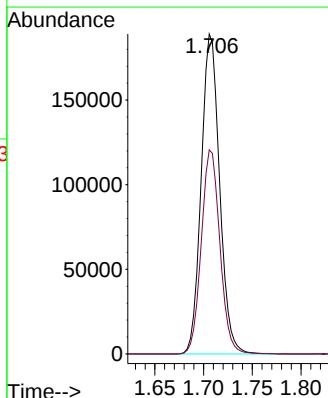
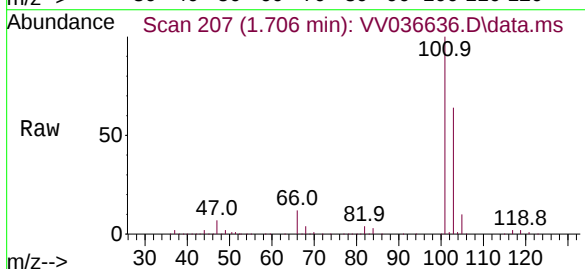
Instrument :
MSVOA_V
ClientSampleId :

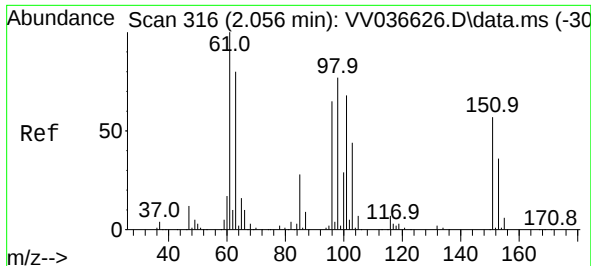
Tgt Ion: 64 Resp: 92737
Ion Ratio Lower Upper
64 100
66 32.7 22.7 42.1



#9
Trichlorofluoromethane
Concen: 24.557 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.000 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

Tgt Ion:101 Resp: 248296
Ion Ratio Lower Upper
101 100
103 64.4 52.2 78.4





#10

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

Concen: 24.453 ug/L

RT: 2.059 min Scan# 317

Delta R.T. 0.003 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

Instrument :

MSVOA_V

ClientSampleId :

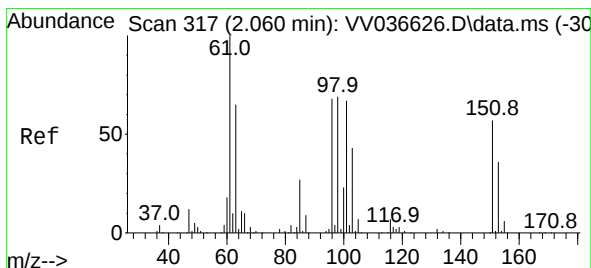
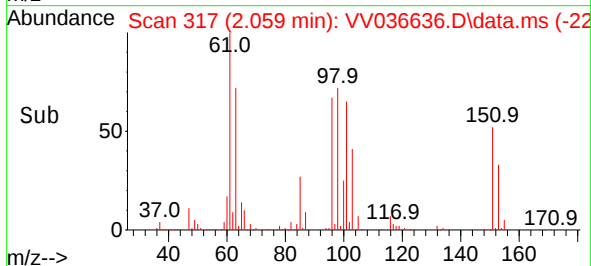
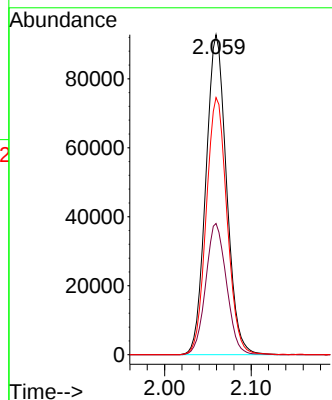
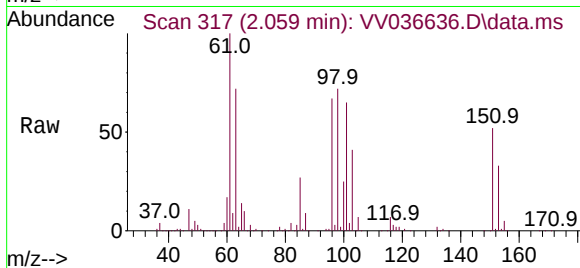
Tgt Ion:101 Resp: 153837

Ion Ratio Lower Upper

101 100

85 41.3 32.4 48.6

151 80.8 64.9 97.3



#12

1,1-Dichloroethene

Concen: 24.993 ug/L

RT: 2.059 min Scan# 317

Delta R.T. -0.000 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

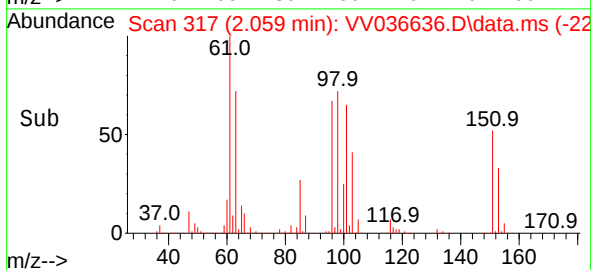
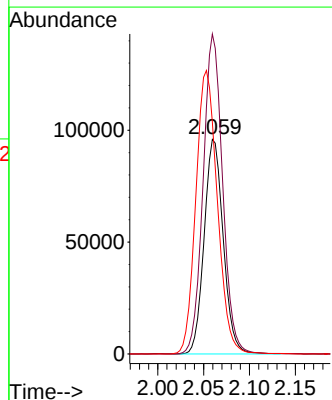
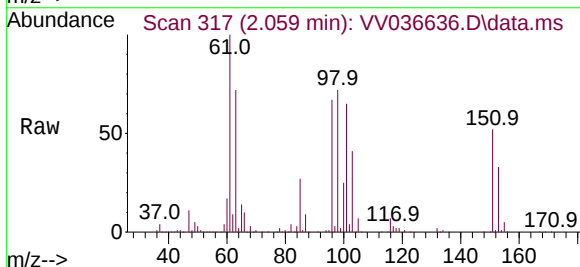
Tgt Ion: 96 Resp: 139155

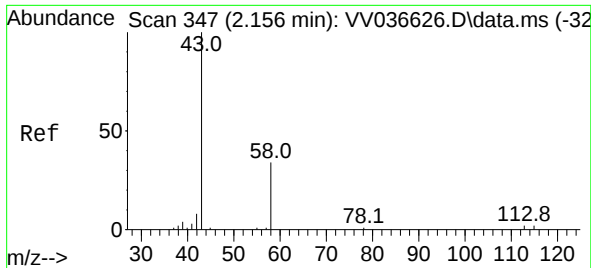
Ion Ratio Lower Upper

96 100

61 149.1 102.3 189.9

63 108.0 64.1 119.1





#13

Acetone

Concen: 24.137 ug/L

RT: 2.384 min Scan# 41

Delta R.T. 0.228 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

Instrument :

MSVOA_V

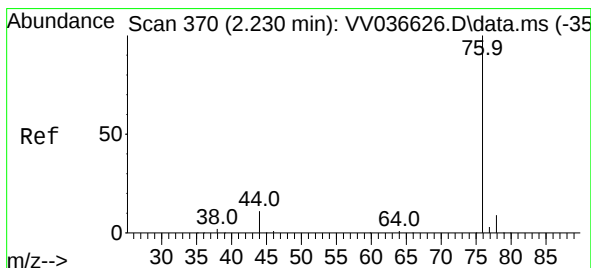
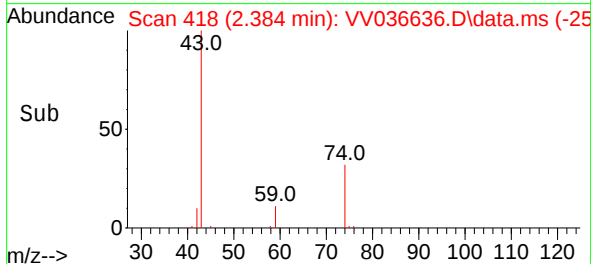
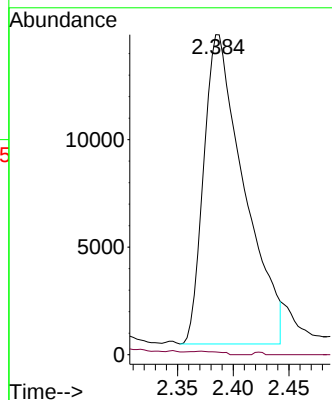
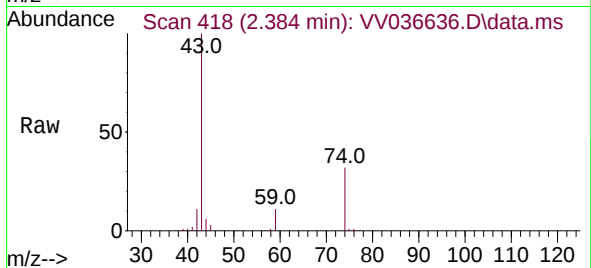
ClientSampleId :

Tgt Ion: 43 Resp: 36171

Ion Ratio Lower Upper

43 100

58 0.2 0.0 23.0



#14

Carbon disulfide

Concen: 25.109 ug/L

RT: 2.230 min Scan# 370

Delta R.T. -0.000 min

Lab File: VV036636.D

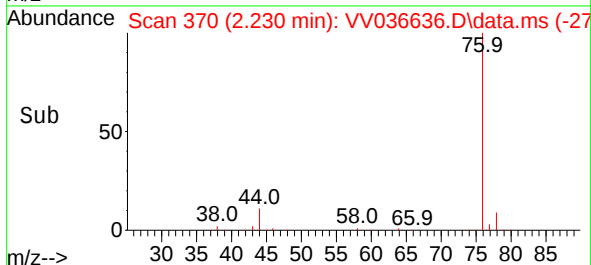
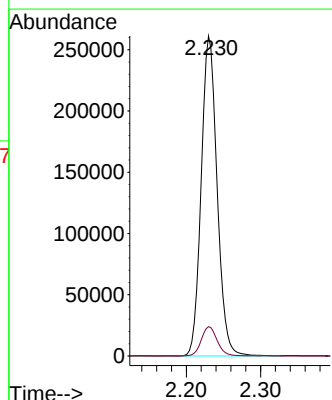
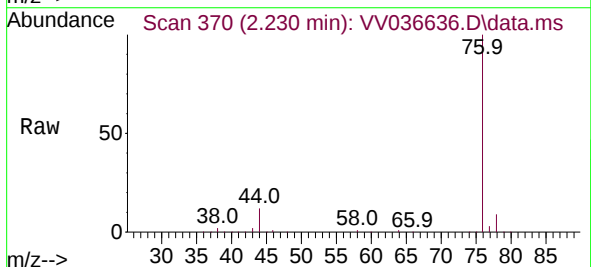
Acq: 23 Jul 2024 10:39

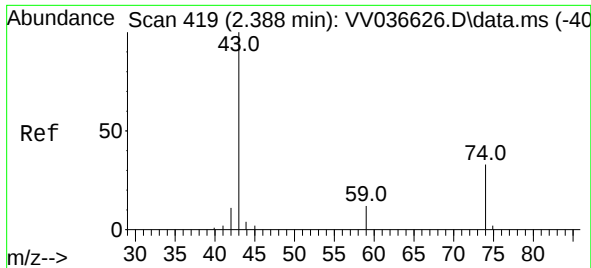
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Ion Ratio Lower Upper

76 100

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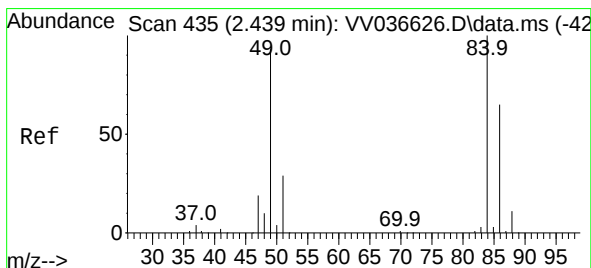
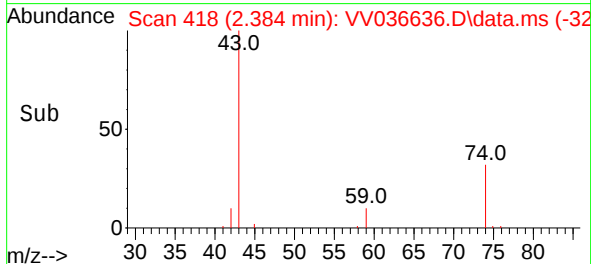
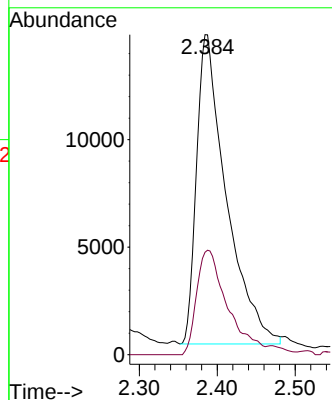
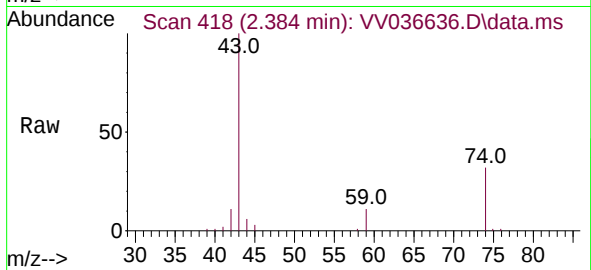




#15
Methyl Acetate
Concen: 21.822 ug/L
RT: 2.384 min Scan# 419
Delta R.T. -0.003 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

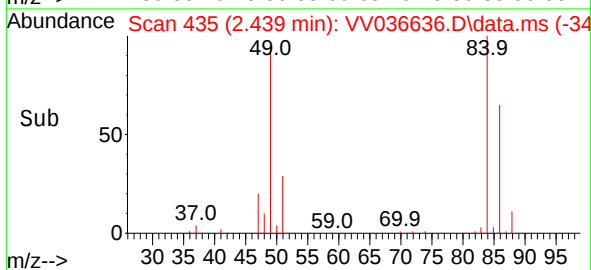
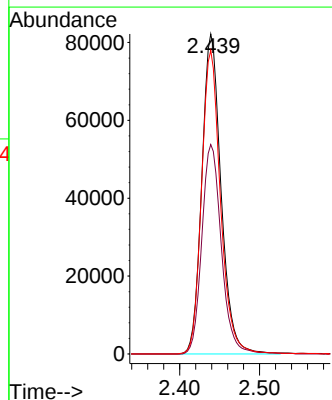
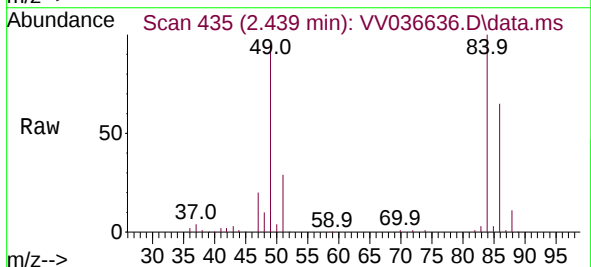
Instrument :
MSVOA_V
ClientSampleId :

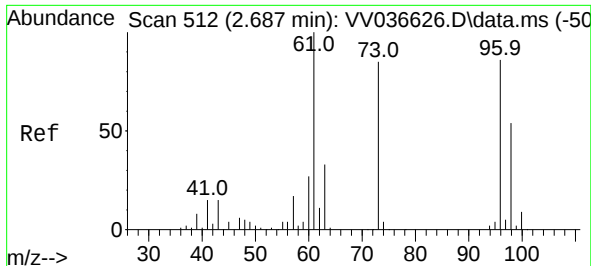
Tgt Ion: 43 Resp: 38150
Ion Ratio Lower Upper
43 100
74 34.9 27.8 41.8



#16
Methylene chloride
Concen: 20.505 ug/L
RT: 2.439 min Scan# 435
Delta R.T. -0.000 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

Tgt Ion: 84 Resp: 137697
Ion Ratio Lower Upper
84 100
86 65.4 47.2 87.6
49 94.9 67.3 125.1





#17

trans-1,2-Dichloroethene

Concen: 24.671 ug/L

RT: 2.686 min Scan# 512

Delta R.T. -0.000 min

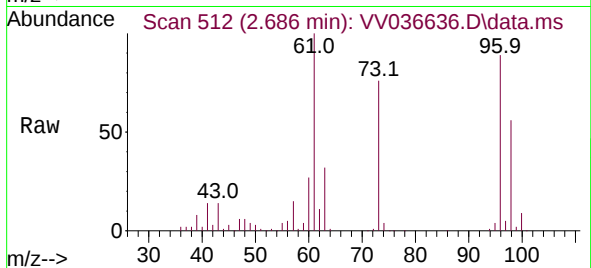
Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

Instrument :

MSVOA_V

ClientSampleId :



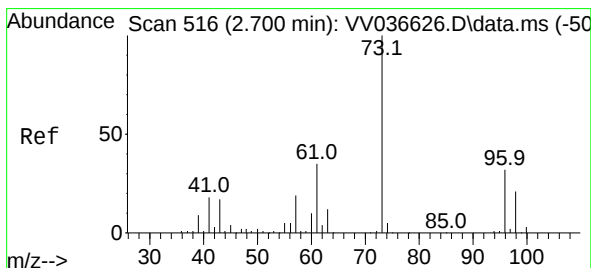
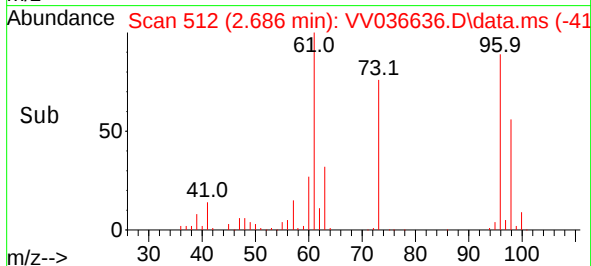
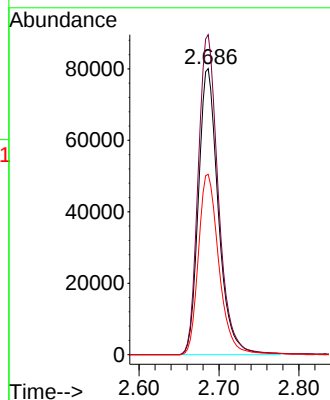
Tgt Ion: 96 Resp: 138725

Ion Ratio Lower Upper

96 100

61 111.9 81.5 151.5

98 63.1 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 23.519 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

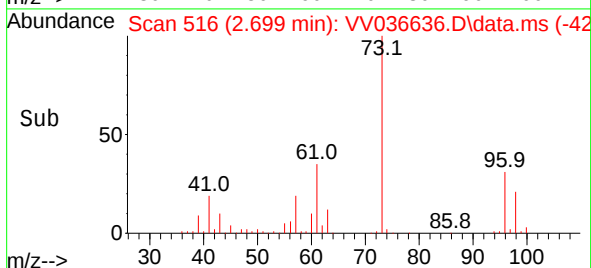
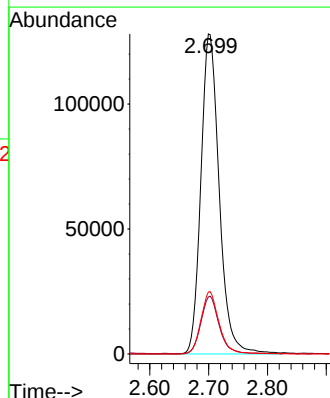
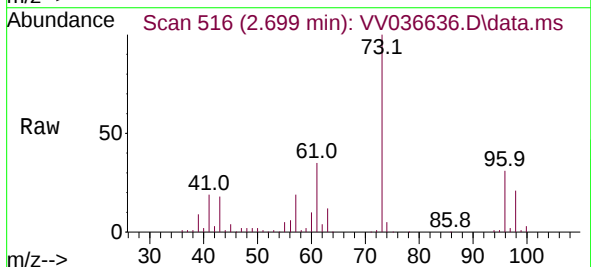
Tgt Ion: 73 Resp: 277365

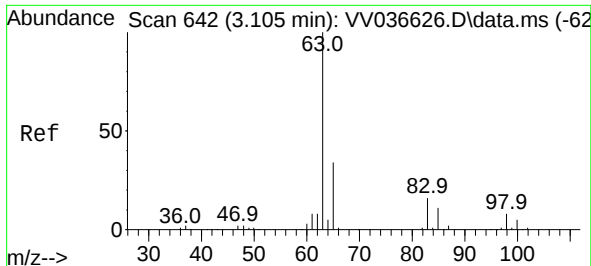
Ion Ratio Lower Upper

73 100

43 17.6 13.8 20.6

57 19.1 15.4 23.2





#19

1,1-Dichloroethane

Concen: 24.405 ug/L

RT: 3.101 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

Instrument :

MSVOA_V

ClientSampleId :

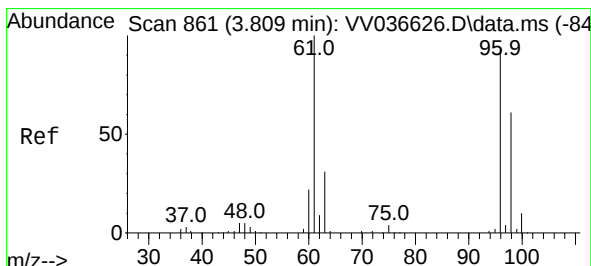
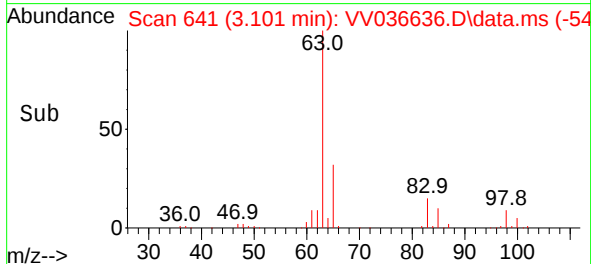
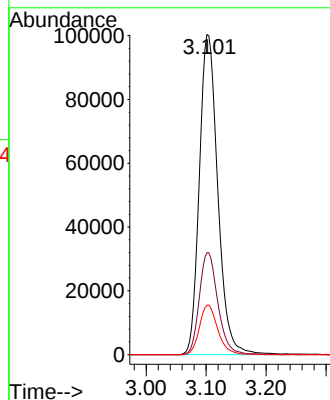
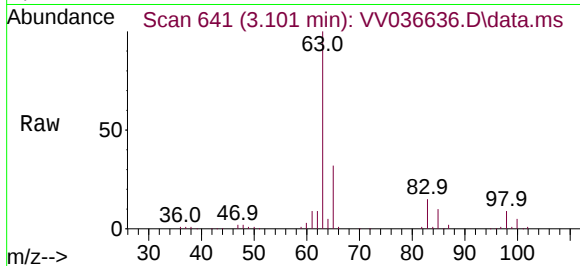
Tgt Ion: 63 Resp: 215292

Ion Ratio Lower Upper

63 100

65 31.8 22.7 42.1

83 15.4 11.1 20.7



#20

cis-1,2-Dichloroethene

Concen: 23.554 ug/L

RT: 3.805 min Scan# 860

Delta R.T. -0.003 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

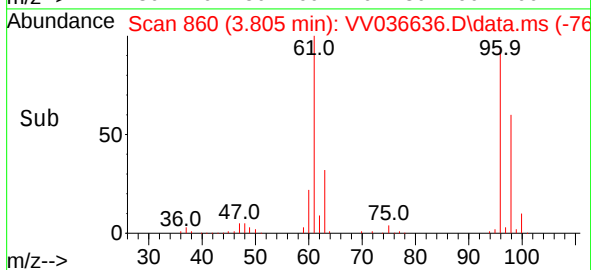
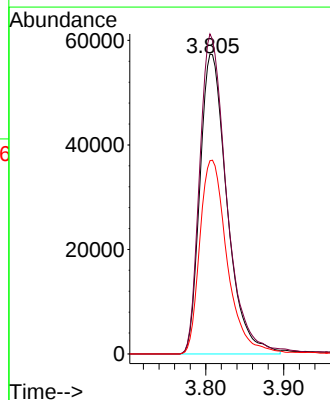
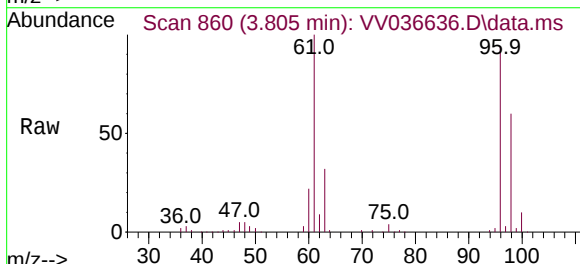
Tgt Ion: 96 Resp: 138313

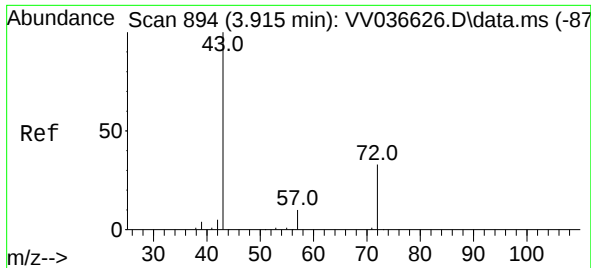
Ion Ratio Lower Upper

96 100

61 106.7 73.0 135.6

98 64.4 44.8 83.2





#22

2-Butanone

Concen: 41.673 ug/L

RT: 3.905 min Scan# 894

Delta R.T. -0.010 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

Instrument :

MSVOA_V

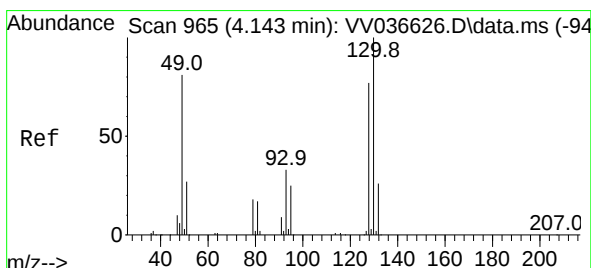
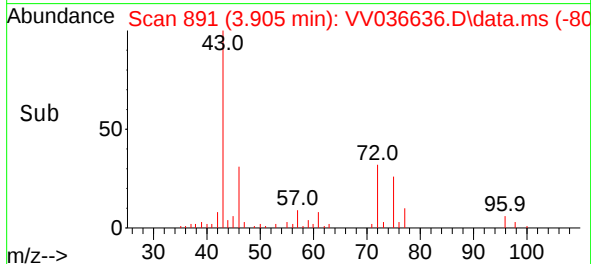
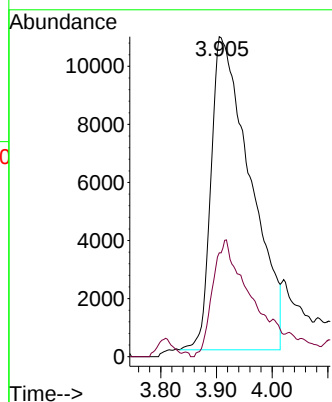
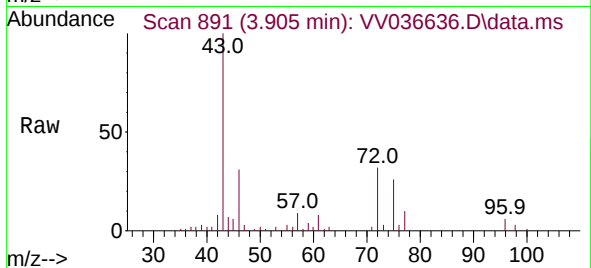
ClientSampleId :

Tgt Ion: 43 Resp: 53009

Ion Ratio Lower Upper

43 100

72 21.4 15.2 45.5



#23

Bromochloromethane

Concen: 25.059 ug/L

RT: 4.140 min Scan# 964

Delta R.T. -0.003 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

Tgt Ion:128 Resp: 78203

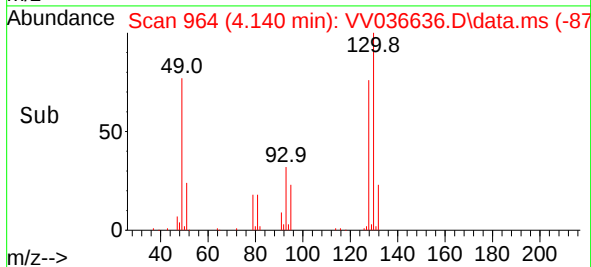
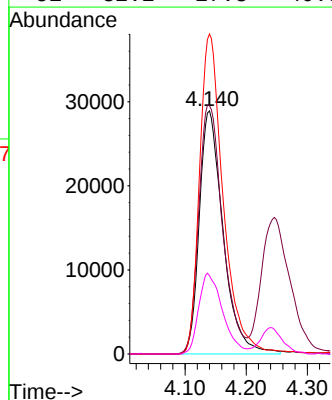
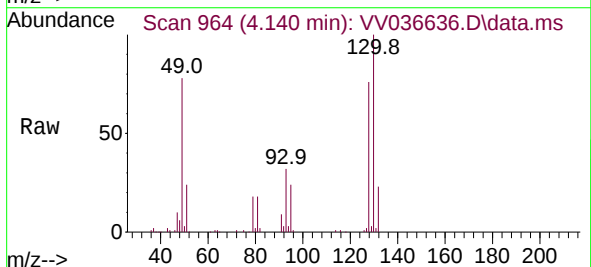
Ion Ratio Lower Upper

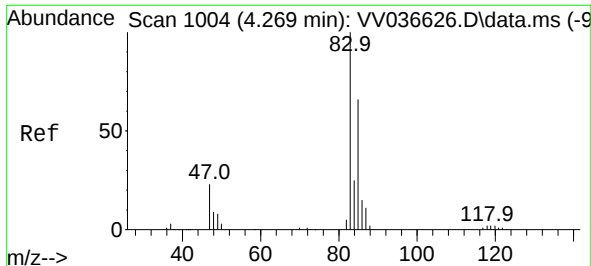
128 100

49 102.2 74.4 138.2

130 131.7 88.6 164.6

51 32.2 27.3 40.9





#25

Chloroform

Concen: 24.635 ug/L

RT: 4.268 min Scan# 1004

Delta R.T. -0.000 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

Instrument :

MSVOA_V

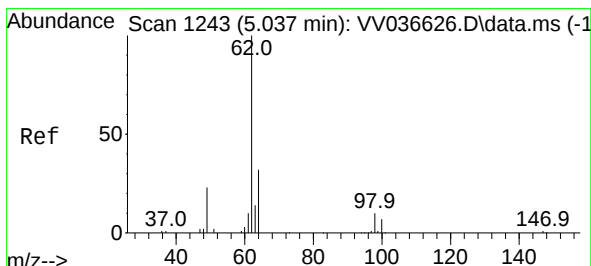
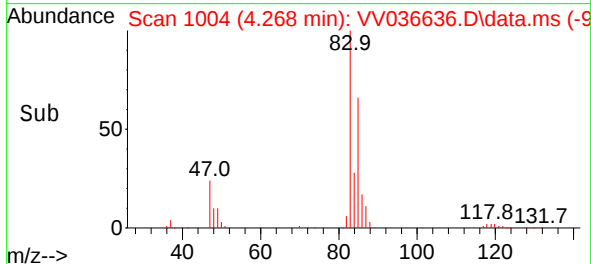
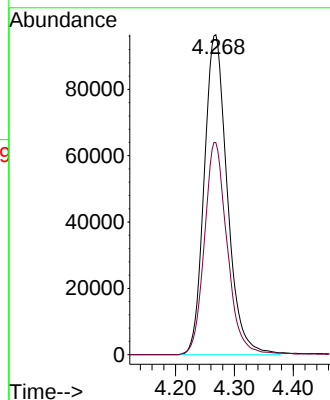
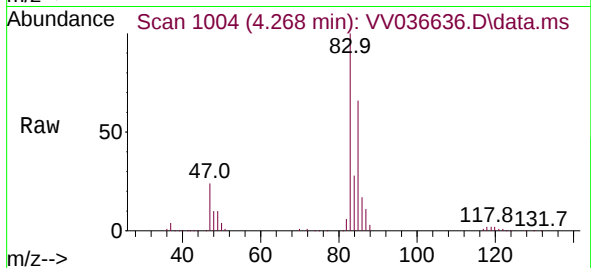
ClientSampleId :

Tgt Ion: 83 Resp: 262326

Ion Ratio Lower Upper

83 100

85 66.3 45.6 84.6



#27

1,2-Dichloroethane

Concen: 25.387 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.003 min

Lab File: VV036636.D

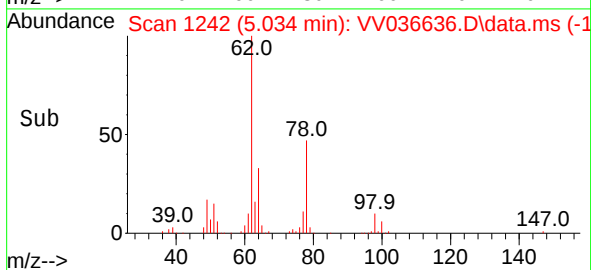
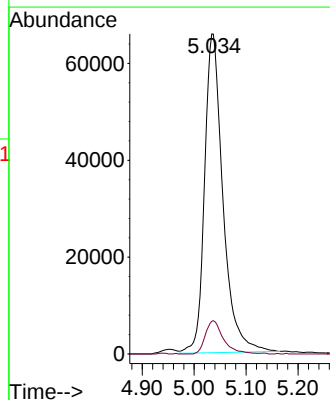
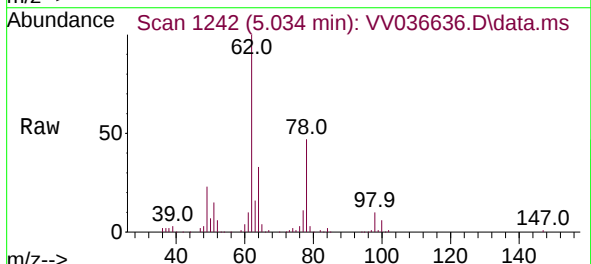
Acq: 23 Jul 2024 10:39

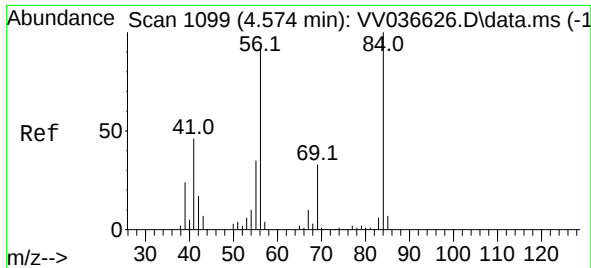
Tgt Ion: 62 Resp: 162217

Ion Ratio Lower Upper

62 100

98 10.2 9.0 13.6





#29

Cyclohexane

Concen: 22.490 ug/L

RT: 4.571 min Scan# 1099

Delta R.T. -0.003 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

Instrument :

MSVOA_V

ClientSampleId :

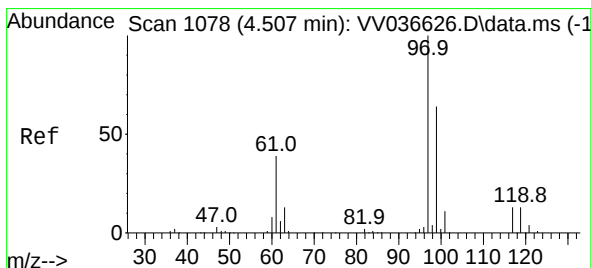
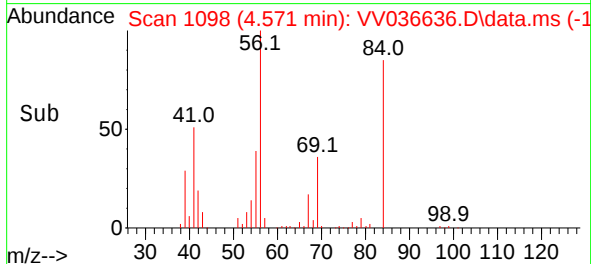
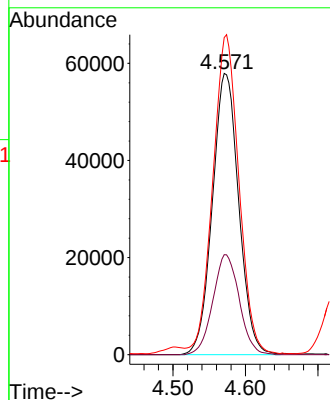
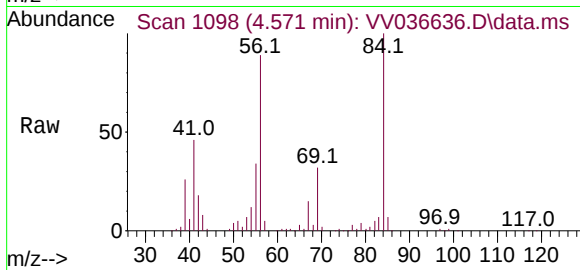
Tgt Ion: 56 Resp: 146046

Ion Ratio Lower Upper

56 100

69 35.6 28.5 42.7

84 112.4 88.6 132.8



#30

1,1,1-Trichloroethane

Concen: 24.043 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.003 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

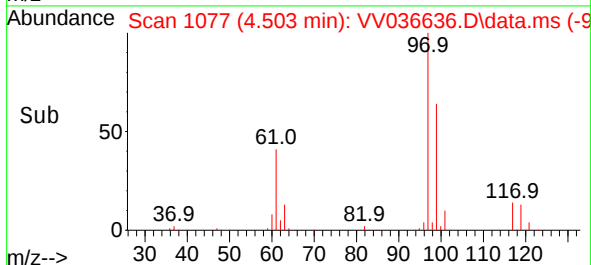
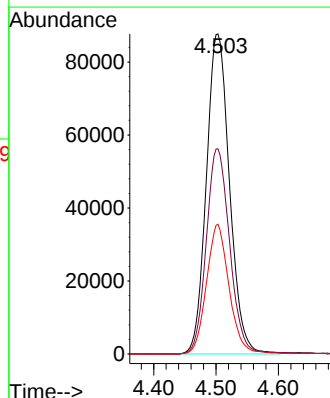
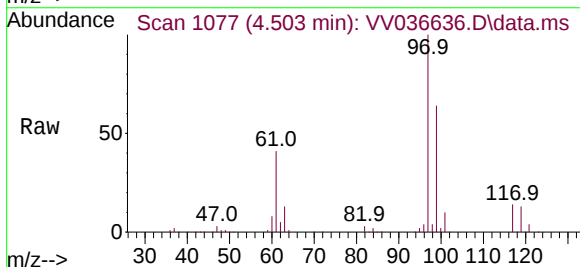
Tgt Ion: 97 Resp: 226555

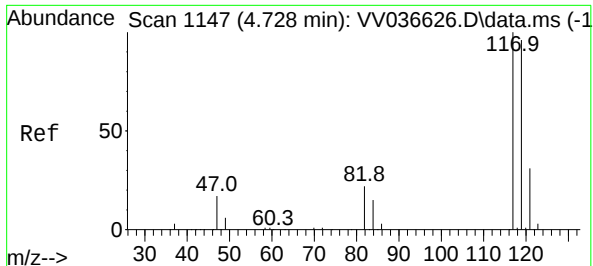
Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

61 39.4 31.9 47.9

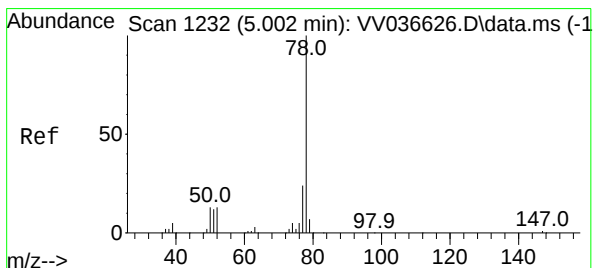
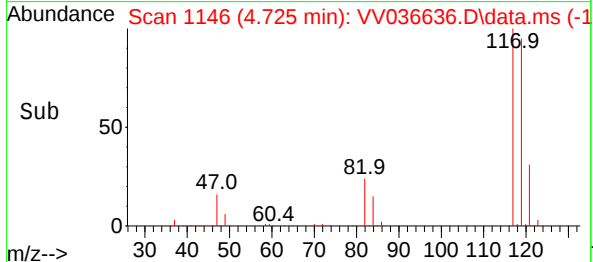
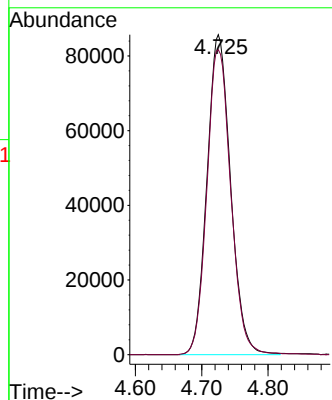
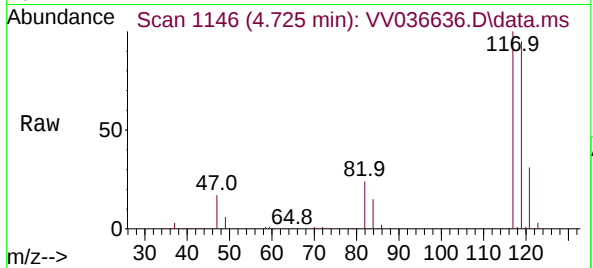




#31
Carbon tetrachloride
Concen: 24.101 ug/L
RT: 4.725 min Scan# 1146
Delta R.T. -0.003 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

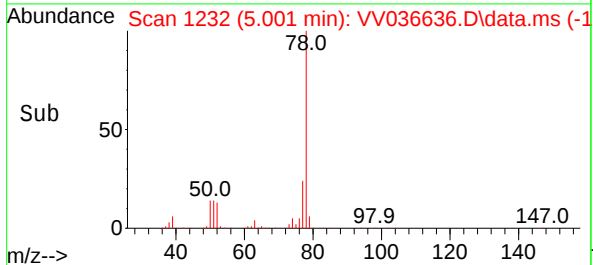
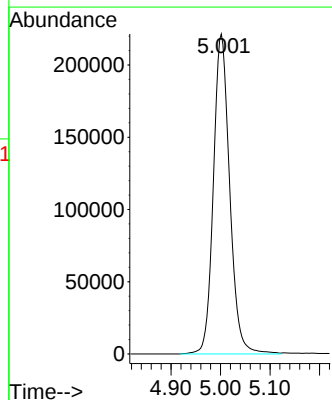
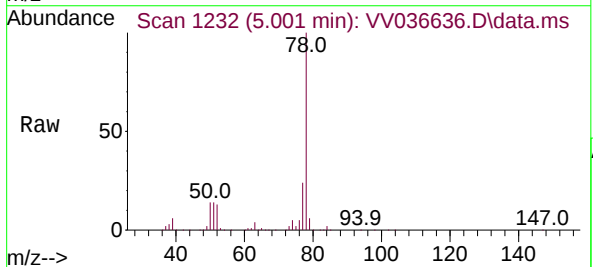
Instrument :
MSVOA_V
ClientSampleId :

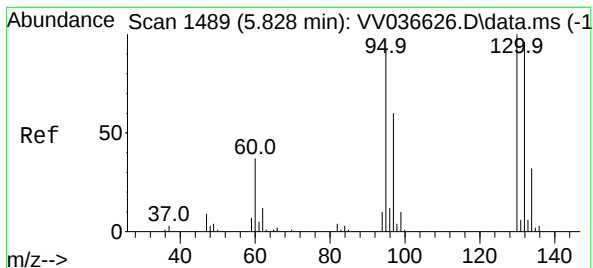
Tgt Ion:117 Resp: 212182
Ion Ratio Lower Upper
117 100
119 96.3 76.6 115.0



#33
Benzene
Concen: 24.491 ug/L
RT: 5.001 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

Tgt Ion: 78 Resp: 506581





#34

Trichloroethene

Concen: 23.743 ug/L

RT: 5.825 min Scan# 1489

Delta R.T. -0.003 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 160715

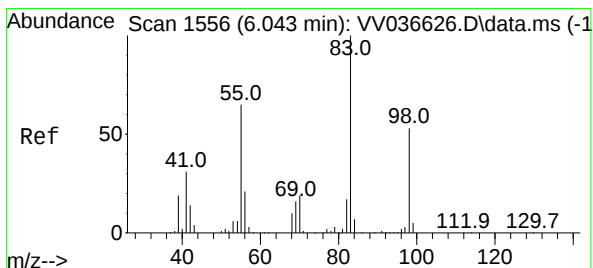
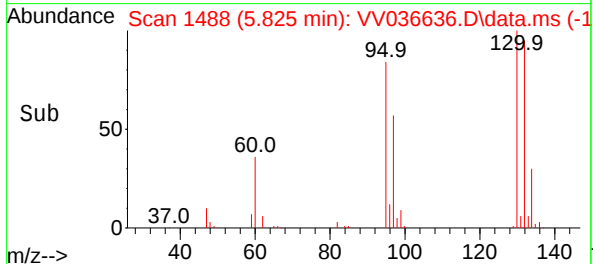
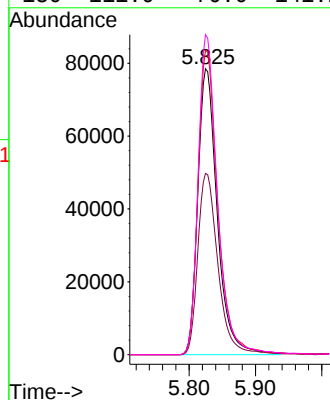
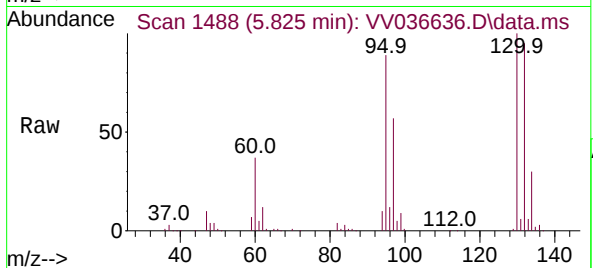
Ion Ratio Lower Upper

95 100

97 63.4 45.1 83.7

132 106.4 72.7 134.9

130 111.9 76.0 141.2



#35

Methylcyclohexane

Concen: 23.318 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

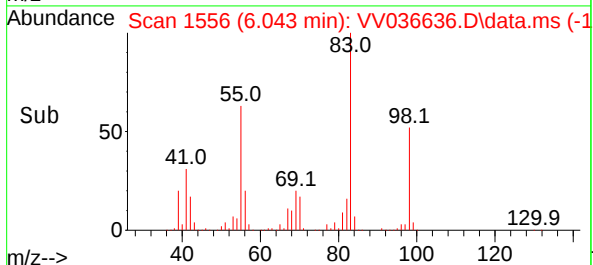
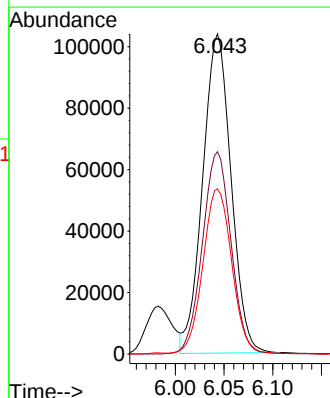
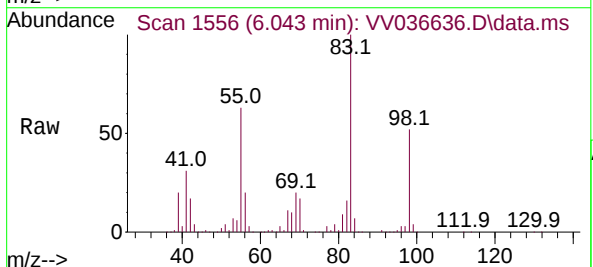
Tgt Ion: 83 Resp: 210166

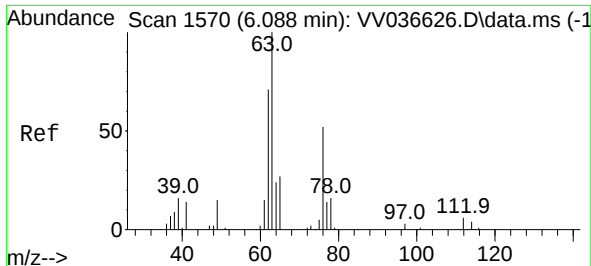
Ion Ratio Lower Upper

83 100

55 64.1 50.8 76.2

98 52.6 41.3 61.9

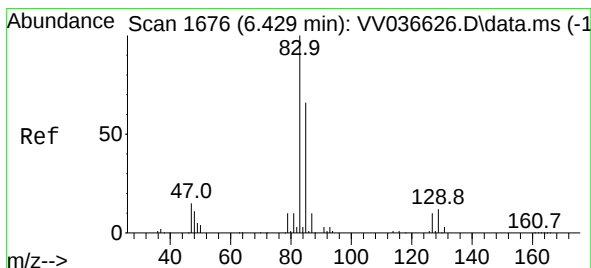
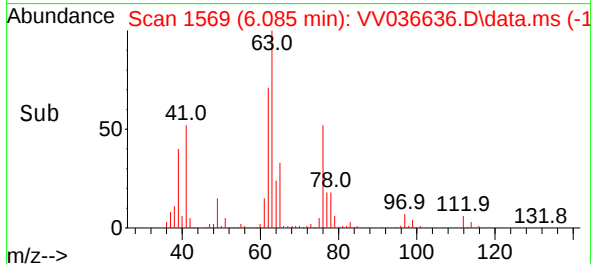
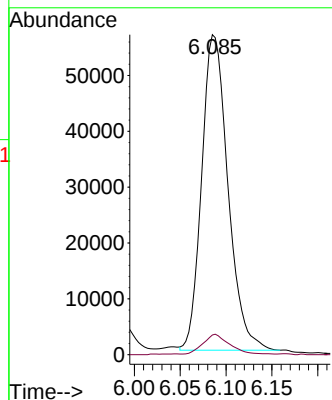
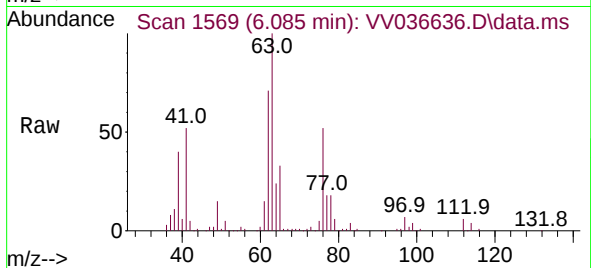




#37
1,2-Dichloropropane
Concen: 23.673 ug/L
RT: 6.085 min Scan# 1569
Delta R.T. -0.003 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

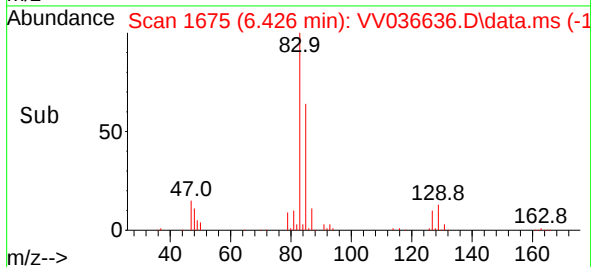
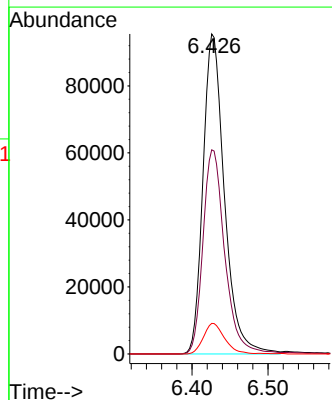
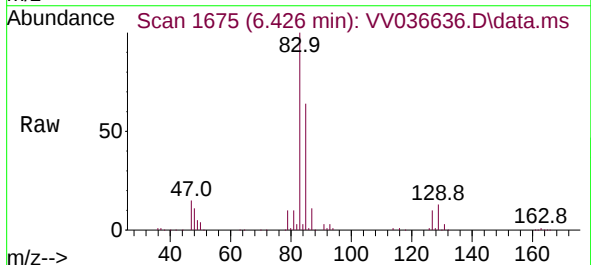
Instrument :
MSVOA_V
ClientSampleId :

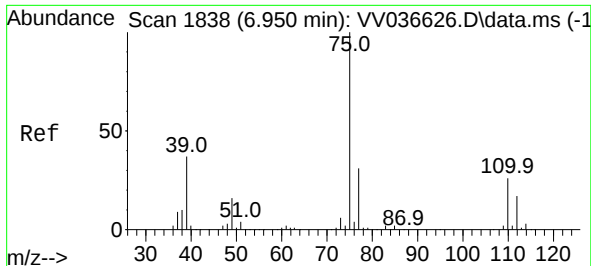
Tgt Ion: 63 Resp: 112692
Ion Ratio Lower Upper
63 100
112 6.7 4.8 7.2



#38
Bromodichloromethane
Concen: 24.088 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. -0.003 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

Tgt Ion: 83 Resp: 186954
Ion Ratio Lower Upper
83 100
85 63.8 44.6 82.8
127 9.6 7.8 11.6

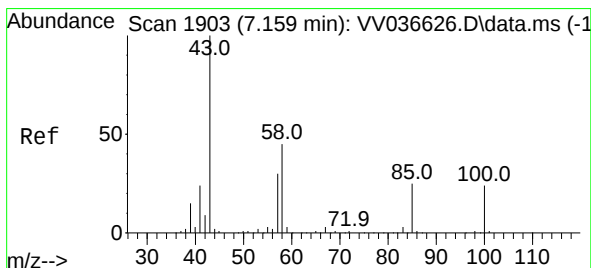
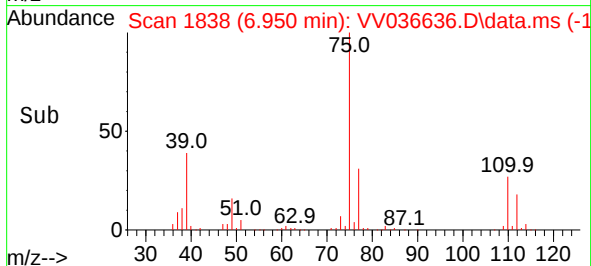
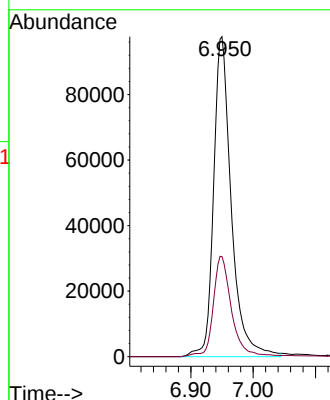
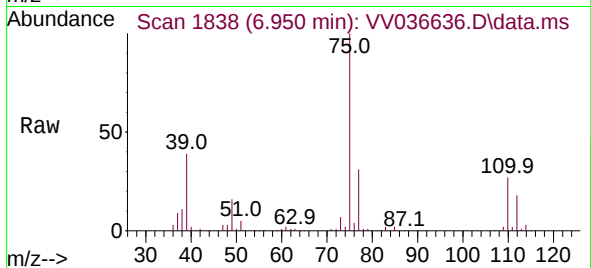




#39
 cis-1,3-Dichloropropene
 Concen: 24.608 ug/L
 RT: 6.950 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VV036636.D
 Acq: 23 Jul 2024 10:39

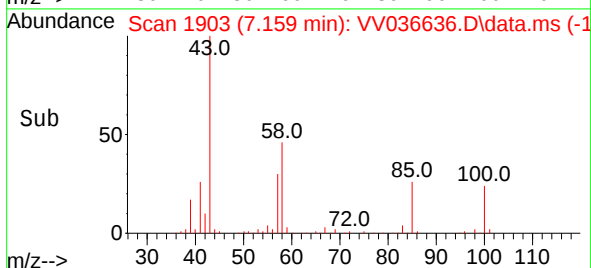
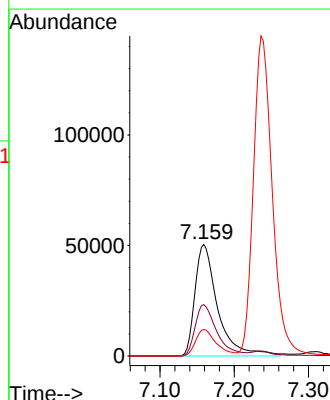
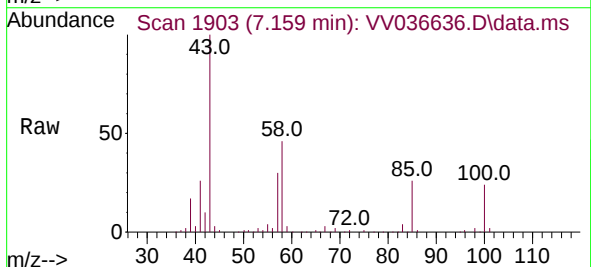
Instrument :
 MSVOA_V
 ClientSampleId :

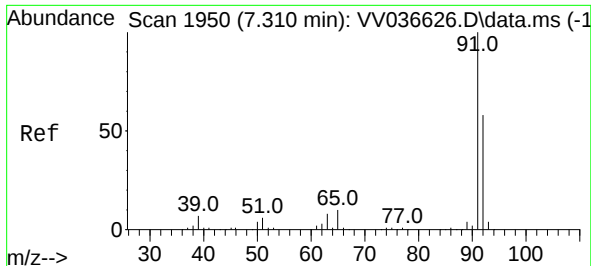
Tgt Ion: 75 Resp: 192344
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 48.156 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VV036636.D
 Acq: 23 Jul 2024 10:39

Tgt Ion: 43 Resp: 107043
 Ion Ratio Lower Upper
 43 100
 58 43.9 36.6 54.8
 100 21.9 18.2 27.4





#42

Toluene

Concen: 25.210 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

Instrument :

MSVOA_V

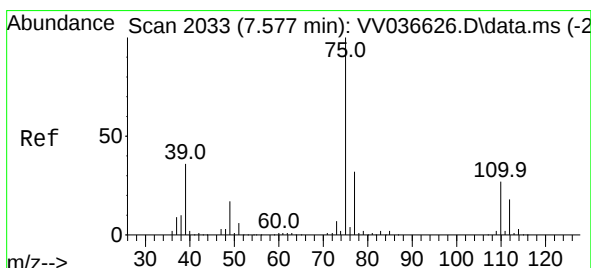
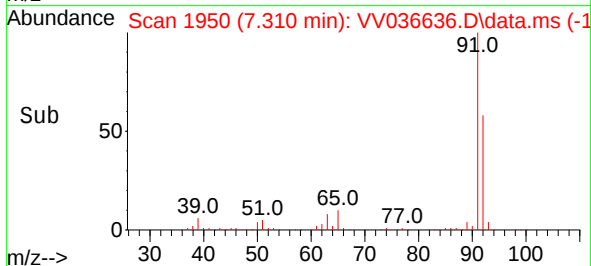
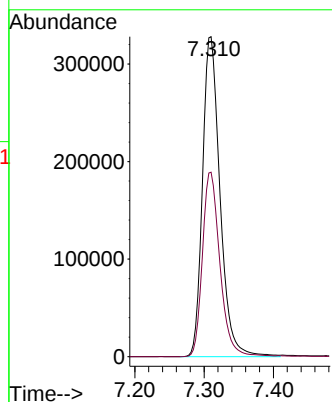
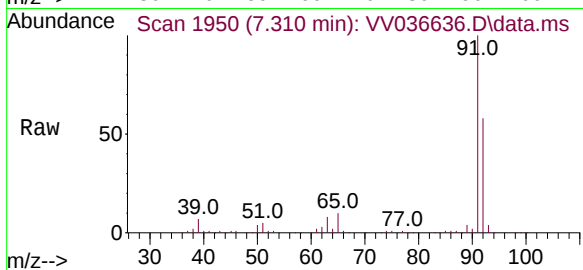
ClientSampleId :

Tgt Ion: 91 Resp: 577559

Ion Ratio Lower Upper

91 100

92 57.6 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 24.682 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV036636.D

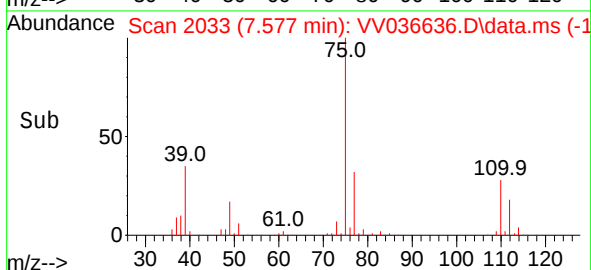
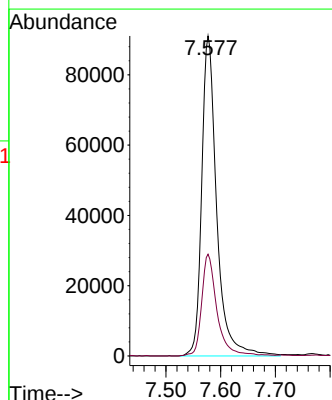
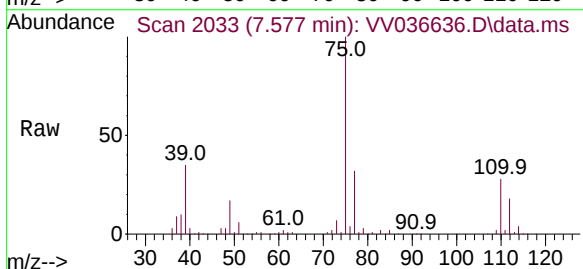
Acq: 23 Jul 2024 10:39

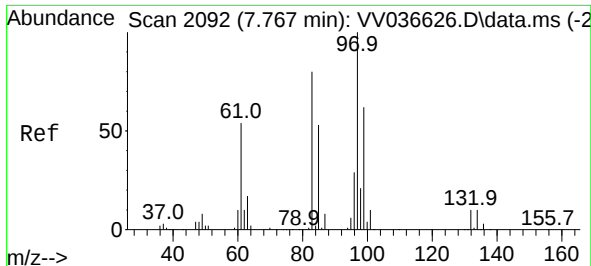
Tgt Ion: 75 Resp: 173251

Ion Ratio Lower Upper

75 100

77 31.8 22.6 42.0

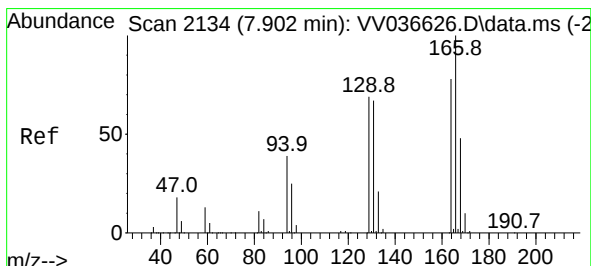
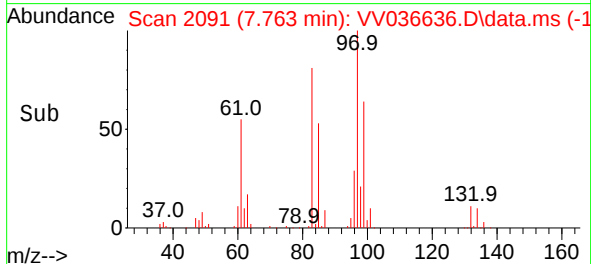
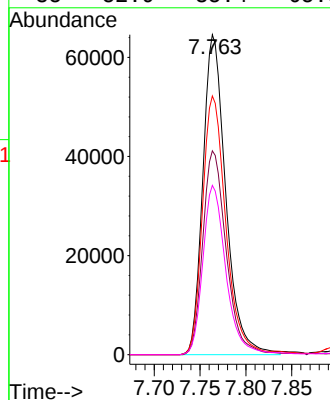
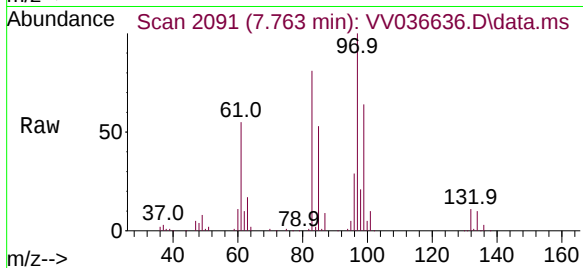




#45
1,1,2-Trichloroethane
Concen: 24.204 ug/L
RT: 7.763 min Scan# 2092
Delta R.T. -0.003 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

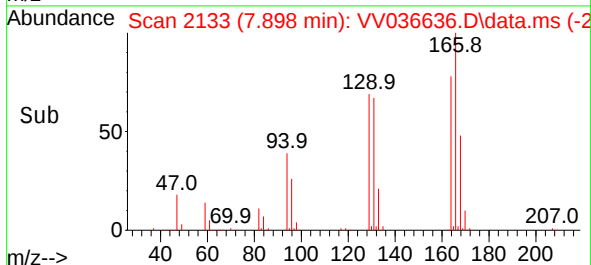
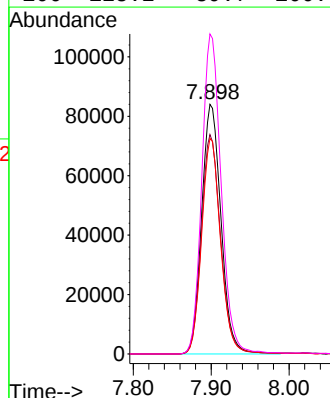
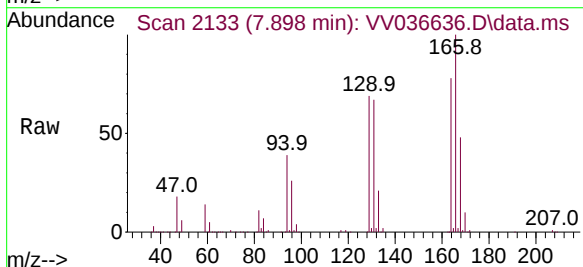
Instrument :
MSVOA_V
ClientSampleId :

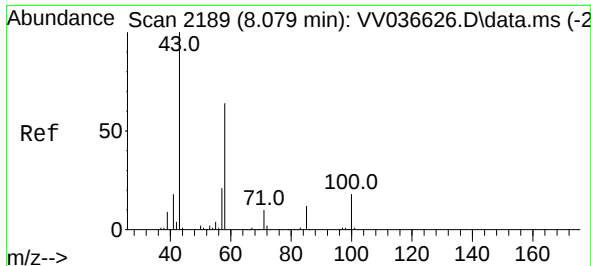
Tgt Ion:	97	Resp:	112370
Ion	Ratio	Lower	Upper
97	100		
99	63.7	43.5	80.7
83	80.9	55.4	103.0
85	52.9	35.4	65.8



#46
Tetrachloroethene
Concen: 21.641 ug/L
RT: 7.898 min Scan# 2133
Delta R.T. -0.003 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

Tgt Ion:	164	Resp:	145361
Ion	Ratio	Lower	Upper
164	100		
129	87.9	61.0	113.2
131	86.3	60.1	111.5
166	128.2	89.7	166.7





#48

2-Hexanone

Concen: 50.541 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. -0.000 min

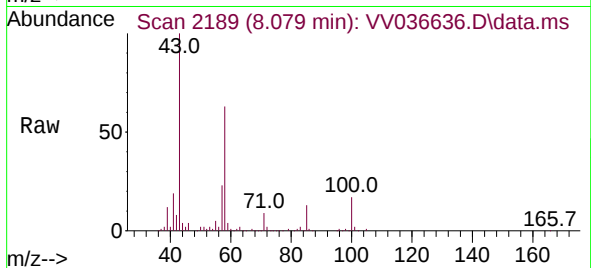
Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 88084

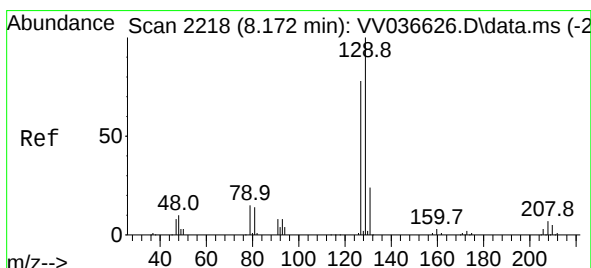
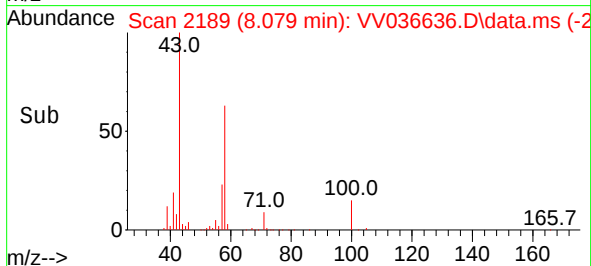
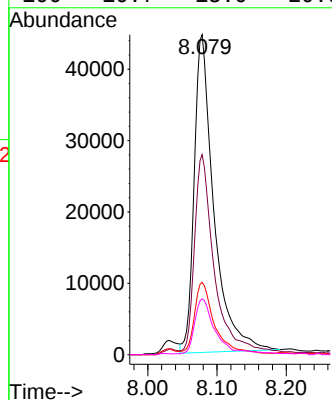
Ion Ratio Lower Upper

43 100

58 61.1 50.6 75.8

57 23.1 17.7 26.5

100 16.7 13.9 20.9



#49

Dibromochloromethane

Concen: 24.984 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.000 min

Lab File: VV036636.D

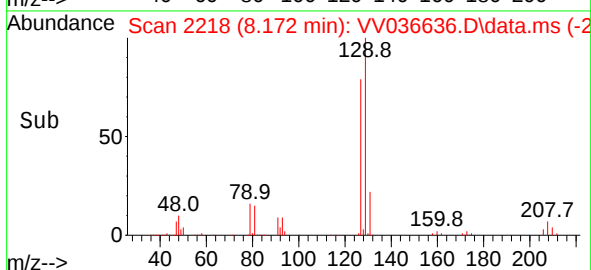
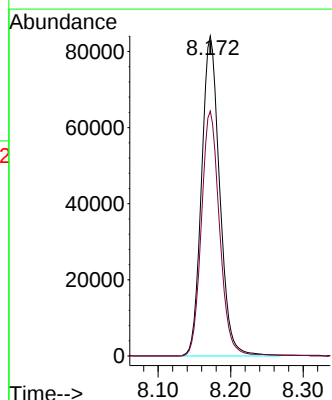
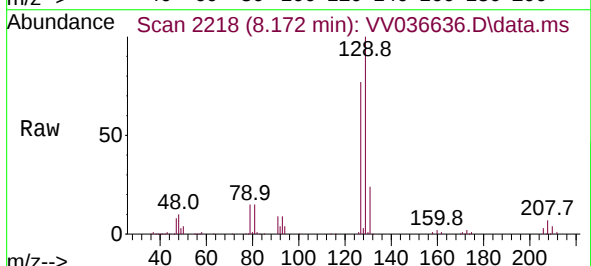
Acq: 23 Jul 2024 10:39

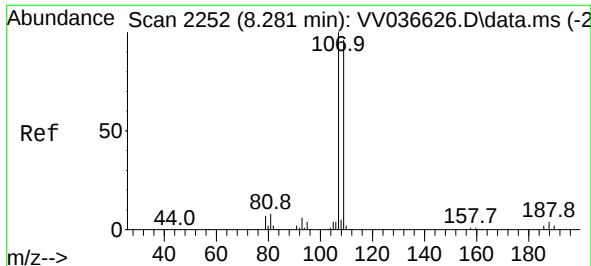
Tgt Ion: 129 Resp: 146138

Ion Ratio Lower Upper

129 100

127 76.5 54.3 100.9

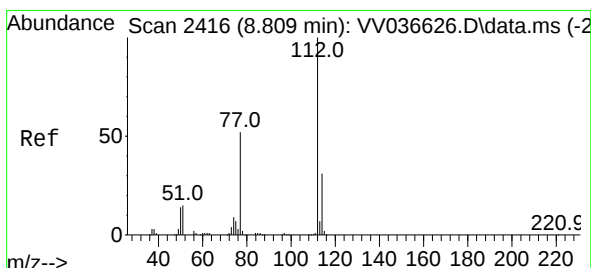
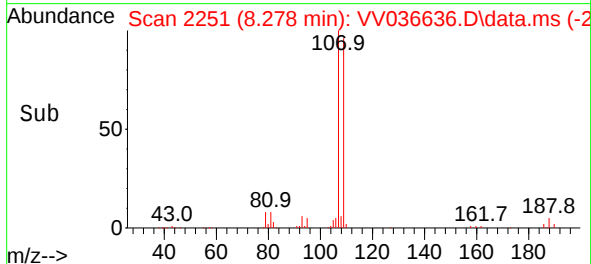
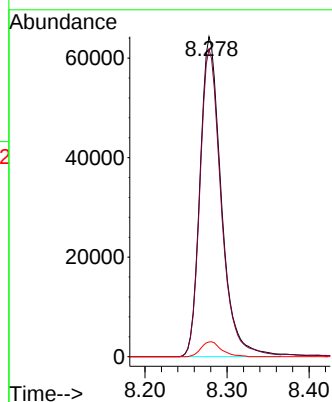
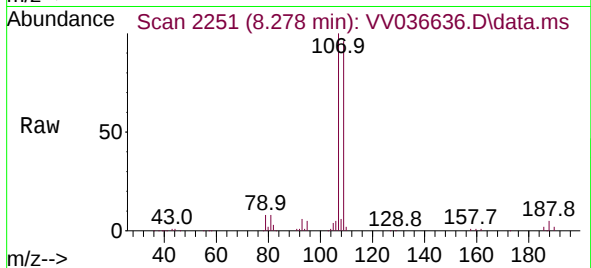




#50
1,2-Dibromoethane
Concen: 24.843 ug/L
RT: 8.278 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

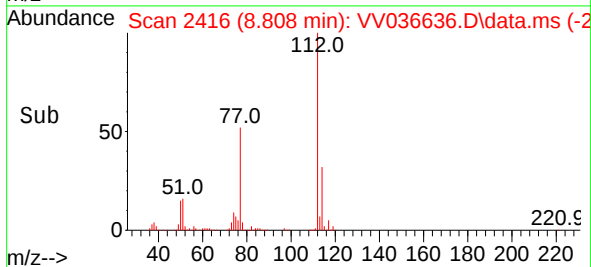
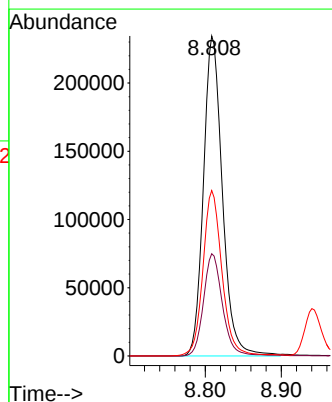
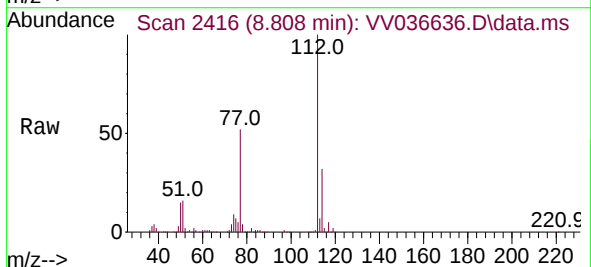
Instrument :
MSVOA_V
ClientSampleId :

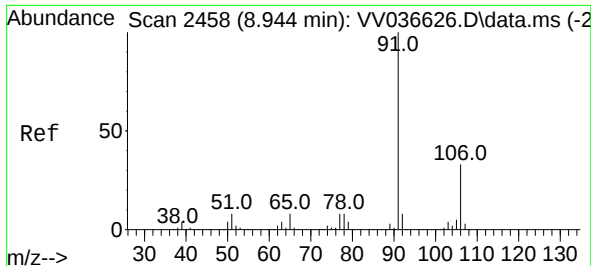
Tgt Ion:107 Resp: 115874
Ion Ratio Lower Upper
107 100
109 96.0 65.5 121.6
188 4.6 3.4 5.2



#51
Chlorobenzene
Concen: 24.501 ug/L
RT: 8.808 min Scan# 2416
Delta R.T. -0.000 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

Tgt Ion:112 Resp: 406426
Ion Ratio Lower Upper
112 100
114 31.9 22.5 41.7
77 51.7 41.9 62.9





#52

Ethylbenzene

Concen: 24.656 ug/L

RT: 8.940 min Scan# 2458

Delta R.T. -0.003 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

Instrument :

MSVOA_V

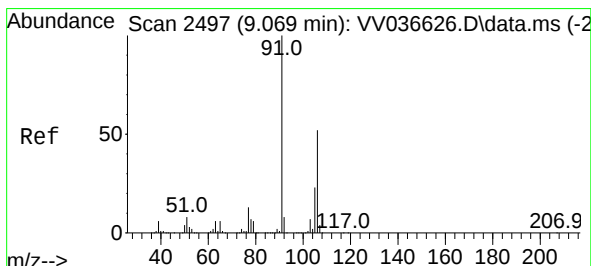
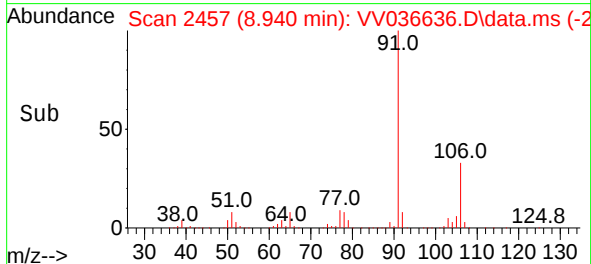
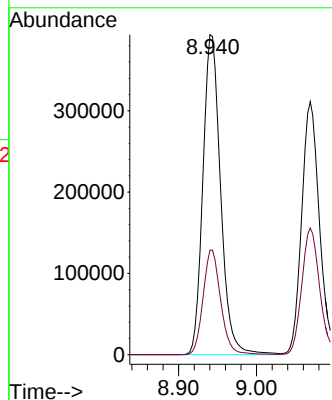
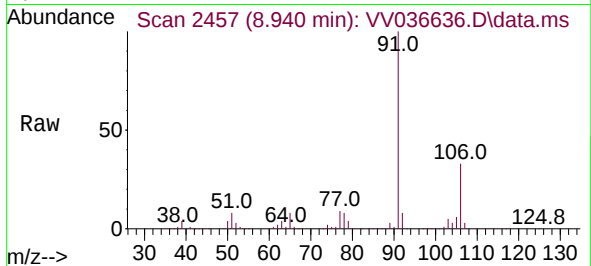
ClientSampleId :

Tgt Ion: 91 Resp: 621352

Ion Ratio Lower Upper

91 100

106 32.6 22.5 41.7



#53

m,p-Xylene

Concen: 25.502 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. -0.000 min

Lab File: VV036636.D

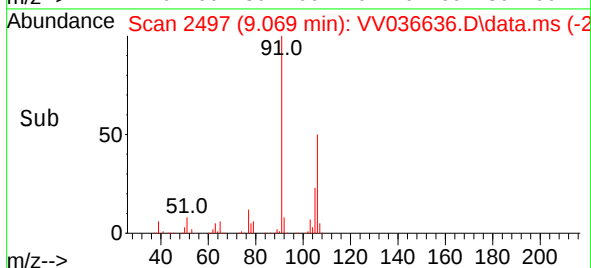
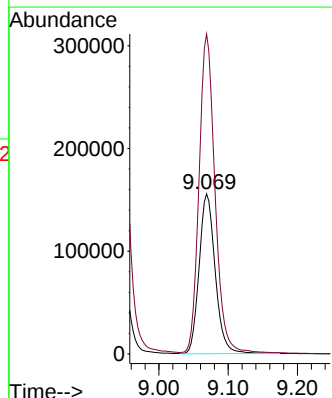
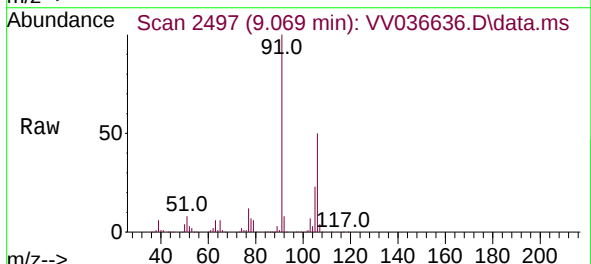
Acq: 23 Jul 2024 10:39

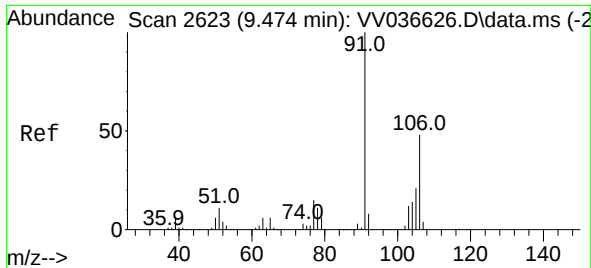
Tgt Ion:106 Resp: 250912

Ion Ratio Lower Upper

106 100

91 199.9 136.8 254.0

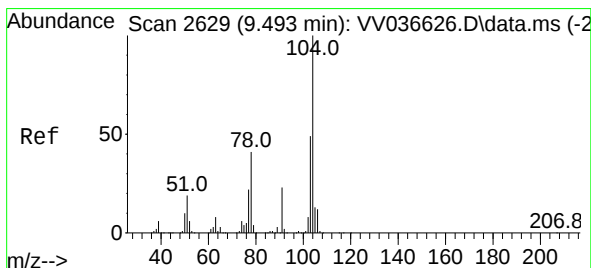
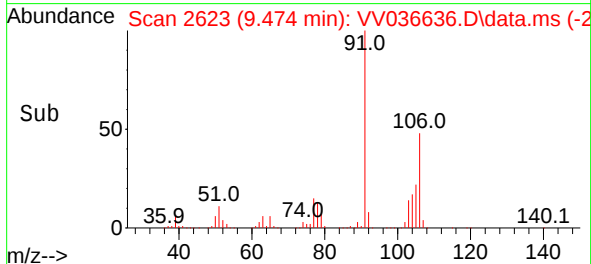
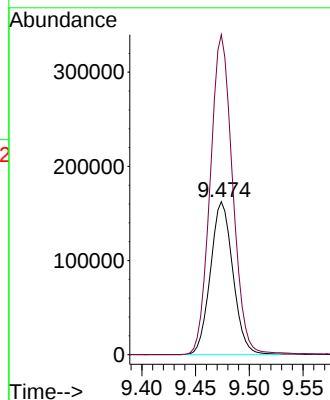
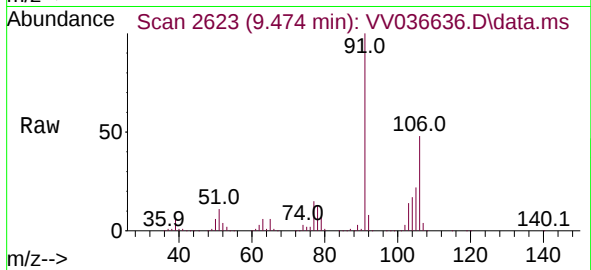




#54
o-Xylene
Concen: 25.020 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. -0.000 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

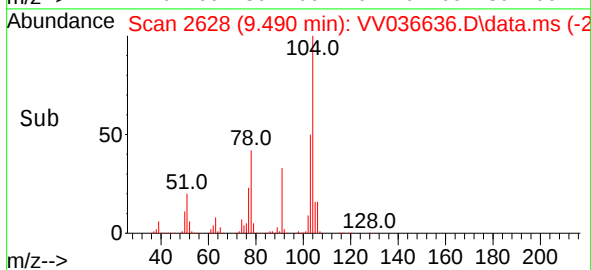
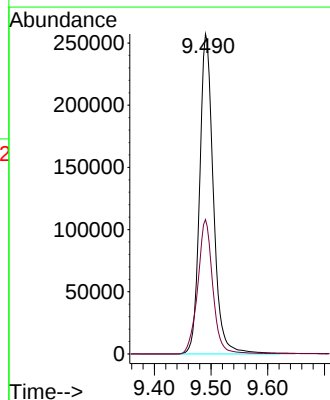
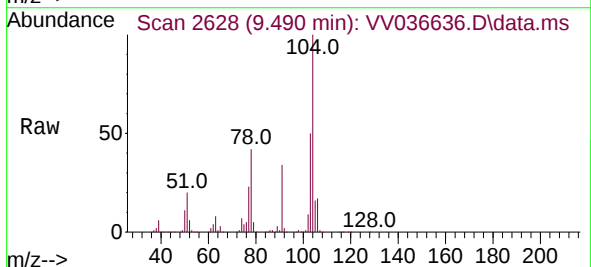
Instrument :
MSVOA_V
ClientSampleId :

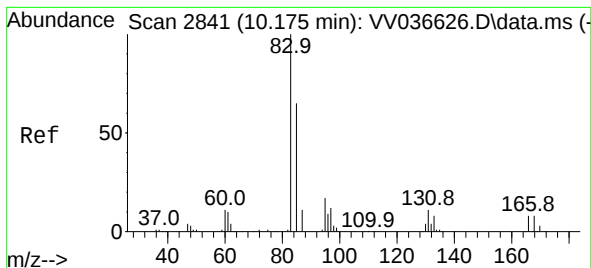
Tgt Ion:106 Resp: 236526
Ion Ratio Lower Upper
106 100
91 209.3 146.1 271.3



#55
Styrene
Concen: 27.044 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. -0.003 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

Tgt Ion:104 Resp: 433516
Ion Ratio Lower Upper
104 100
78 42.0 29.7 55.1

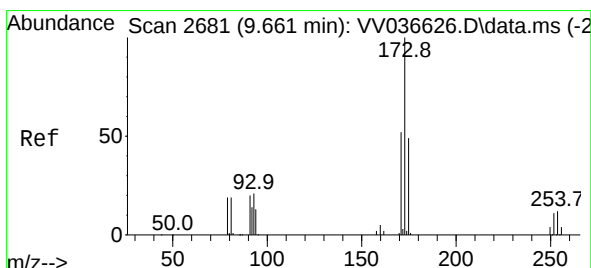
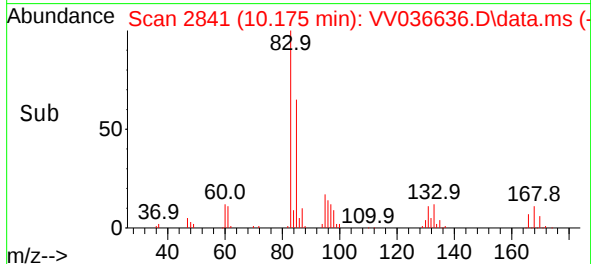
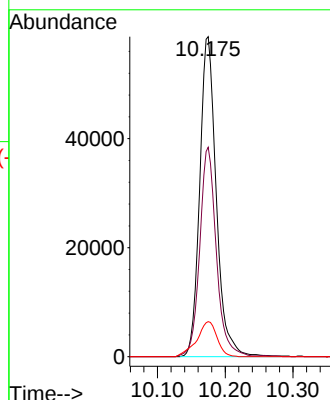
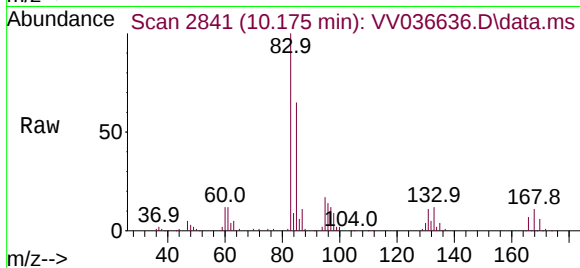




#57
1,1,2,2-Tetrachloroethane
Concen: 23.693 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. -0.000 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

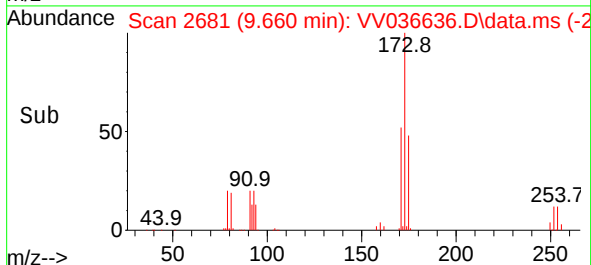
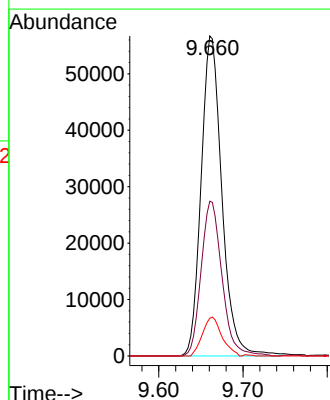
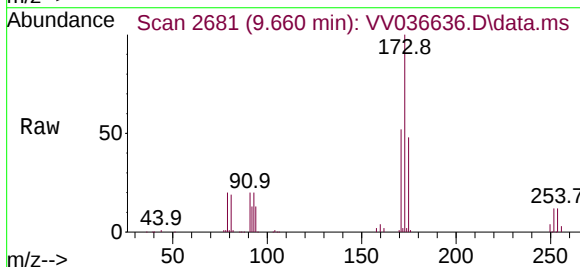
Instrument :
MSVOA_V
ClientSampleId :

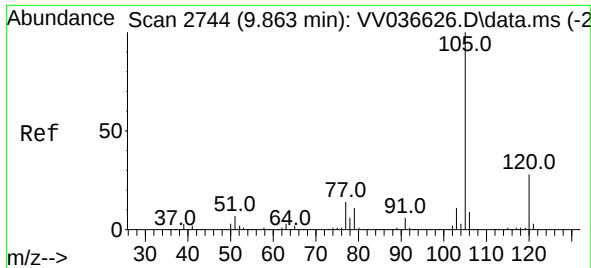
Tgt Ion: 83 Resp: 99663
Ion Ratio Lower Upper
83 100
85 65.5 44.9 83.3
131 11.0 9.3 13.9



#59
Bromoform
Concen: 23.970 ug/L
RT: 9.660 min Scan# 2681
Delta R.T. -0.000 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

Tgt Ion:173 Resp: 97411
Ion Ratio Lower Upper
173 100
175 48.4 39.6 59.4
254 11.3 8.2 12.4

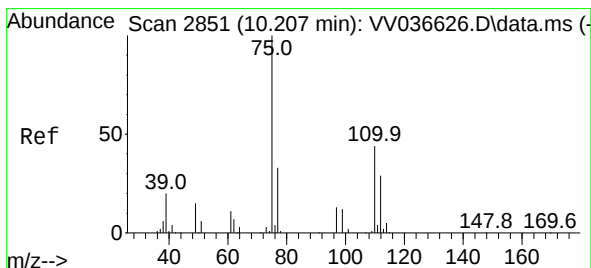
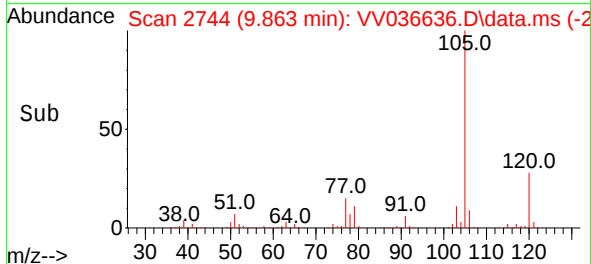
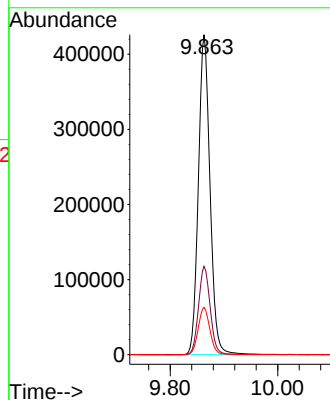
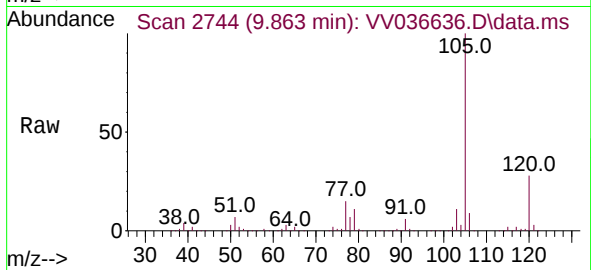




#60
Isopropylbenzene
Concen: 24.180 ug/L
RT: 9.863 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

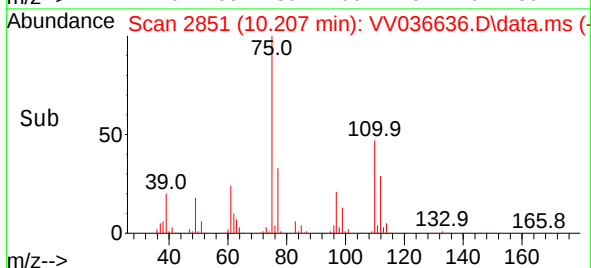
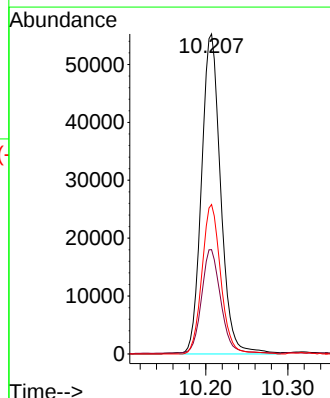
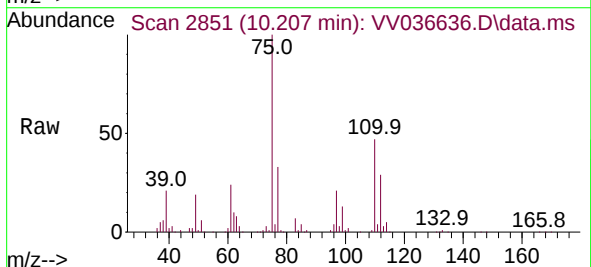
Instrument :
MSVOA_V
ClientSampleId :

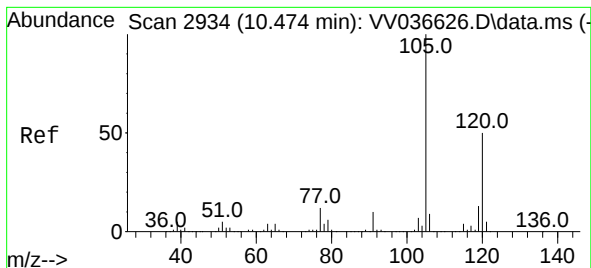
Tgt Ion:105 Resp: 638491
Ion Ratio Lower Upper
105 100
120 27.7 22.1 33.1
77 14.9 11.8 17.6



#61
1,2,3-Trichloropropane
Concen: 23.569 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

Tgt Ion: 75 Resp: 89657
Ion Ratio Lower Upper
75 100
77 32.2 25.9 38.9
110 45.5 36.2 54.4





#62

1,3,5-Trimethylbenzene

Concen: 24.926 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min MSVOA_V

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

Instrument :

MSVOA_V

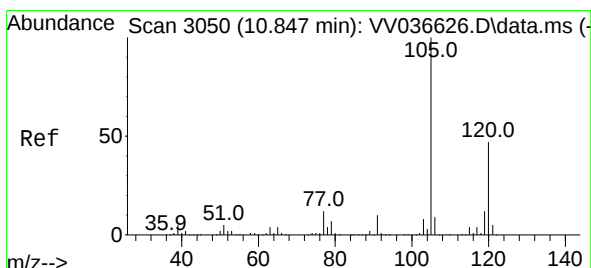
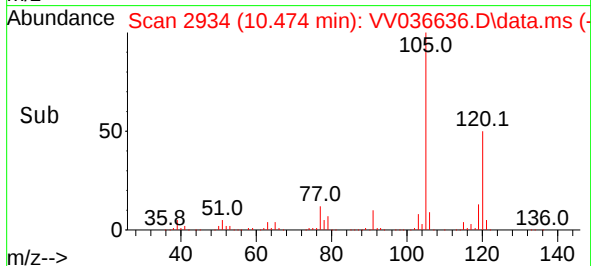
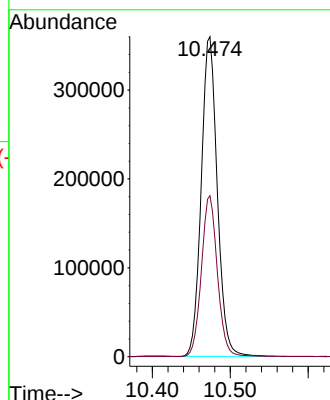
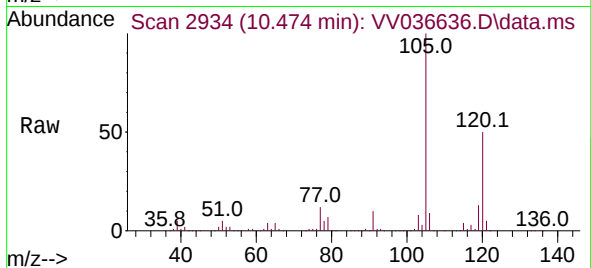
ClientSampleId :

Tgt Ion:105 Resp: 513414

Ion Ratio Lower Upper

105 100

120 50.2 39.8 59.8



#63

1,2,4-Trimethylbenzene

Concen: 25.162 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. -0.000 min

Lab File: VV036636.D

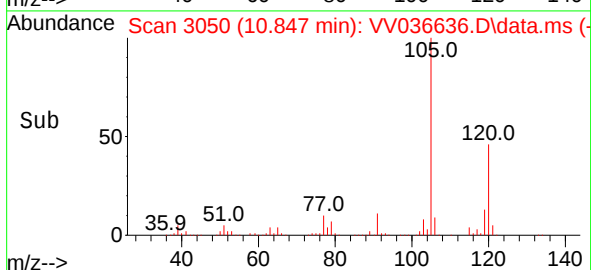
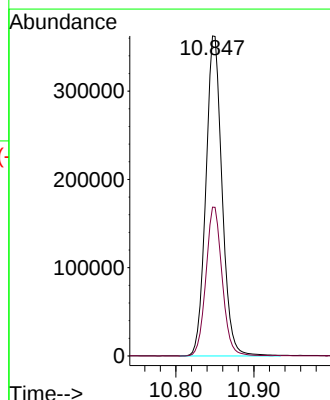
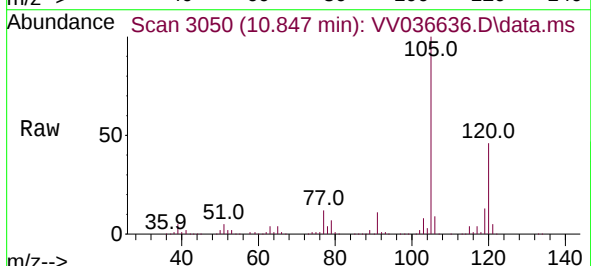
Acq: 23 Jul 2024 10:39

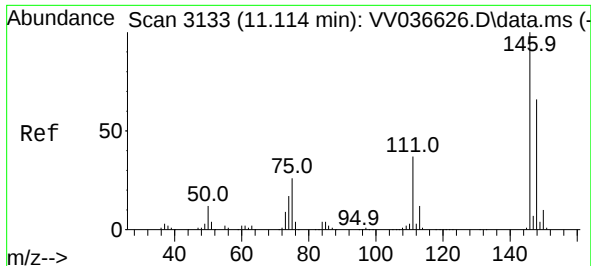
Tgt Ion:105 Resp: 524635

Ion Ratio Lower Upper

105 100

120 46.6 37.2 55.8

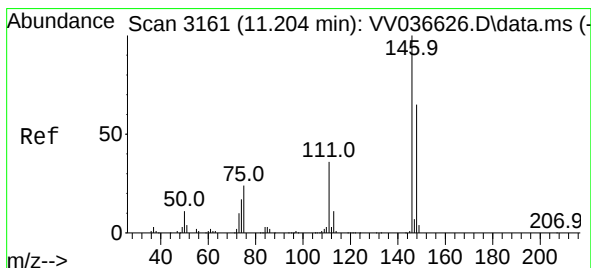
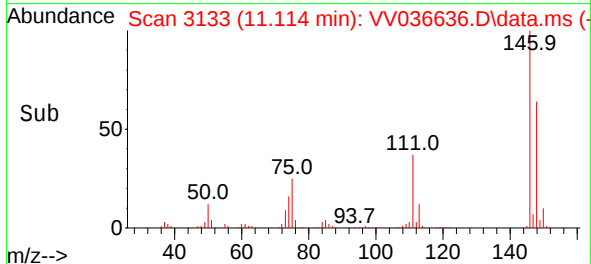
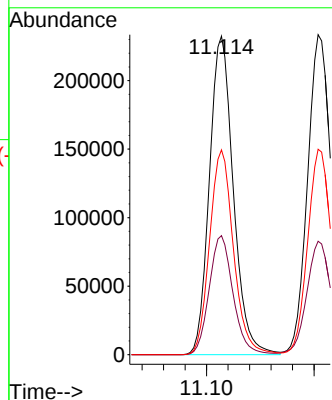
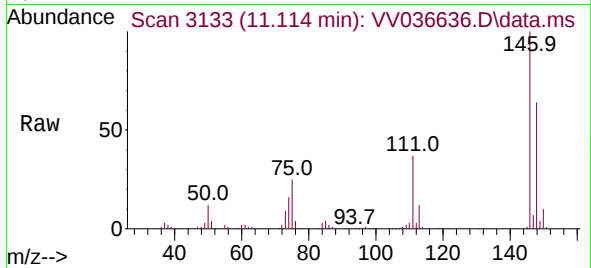




#64
1,3-Dichlorobenzene
Concen: 24.327 ug/L
RT: 11.114 min Scan# 3133
Delta R.T. -0.000 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

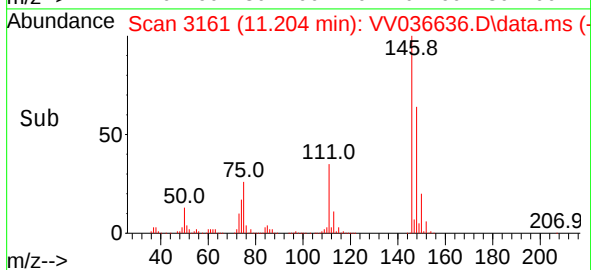
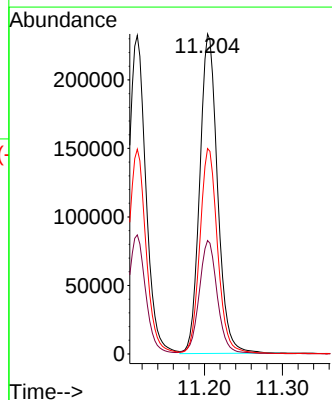
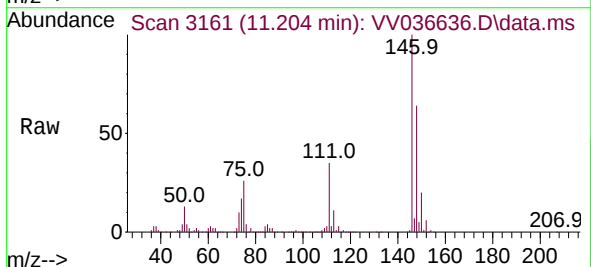
Instrument :
MSVOA_V
ClientSampleId :

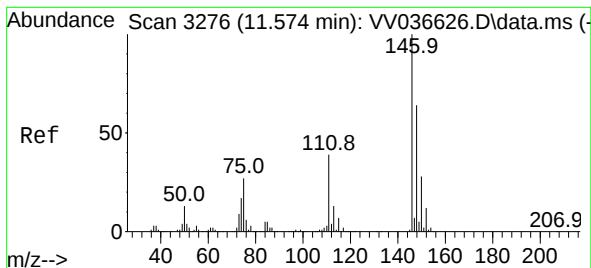
Tgt Ion:146 Resp: 359092
Ion Ratio Lower Upper
146 100
111 37.4 25.5 47.3
148 64.3 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 24.402 ug/L
RT: 11.204 min Scan# 3161
Delta R.T. -0.000 min
Lab File: VV036636.D
Acq: 23 Jul 2024 10:39

Tgt Ion:146 Resp: 370955
Ion Ratio Lower Upper
146 100
111 35.4 24.9 46.3
148 64.2 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 24.272 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. -0.000 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

Instrument :

MSVOA_V

ClientSampleId :

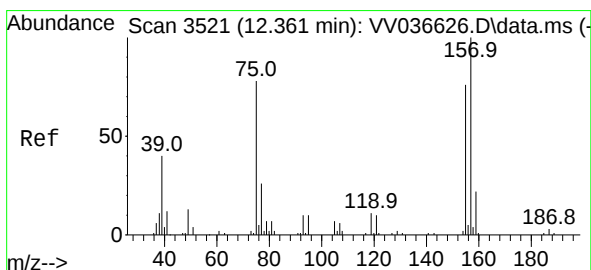
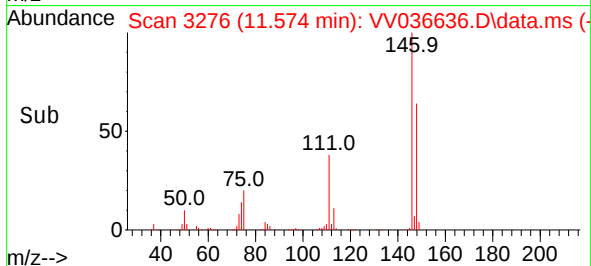
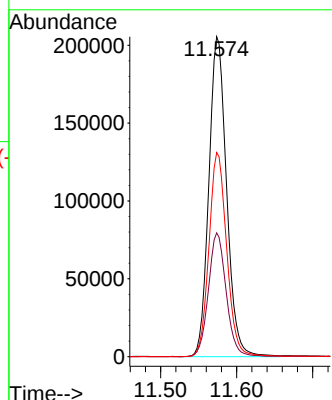
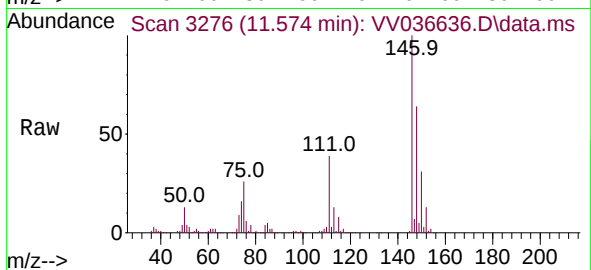
Tgt Ion:146 Resp: 333138

Ion Ratio Lower Upper

146 100

111 38.7 31.3 46.9

148 63.8 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 23.550 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

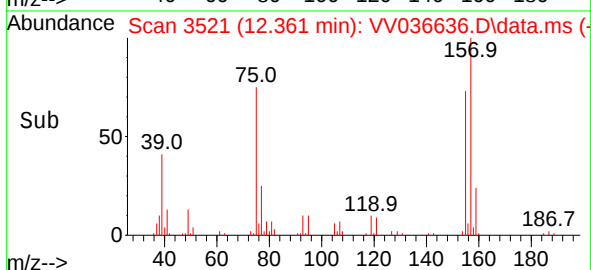
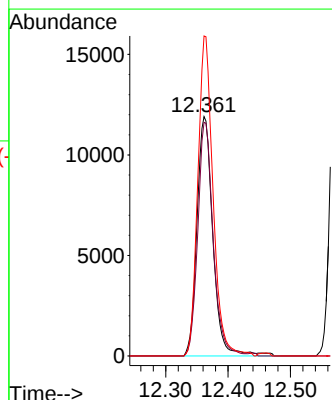
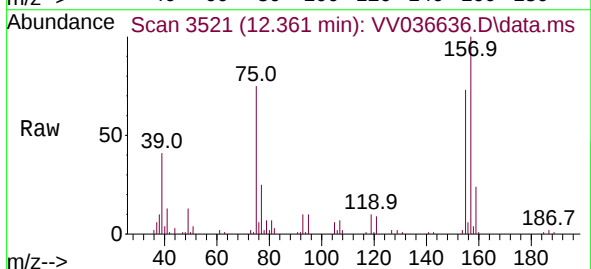
Tgt Ion: 75 Resp: 21096

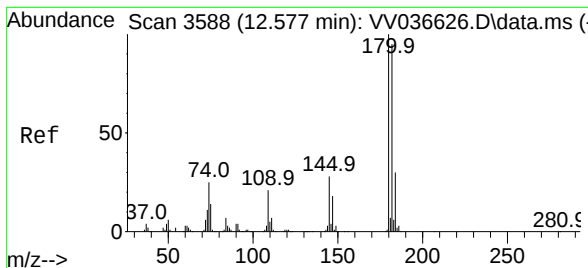
Ion Ratio Lower Upper

75 100

155 97.6 79.5 119.3

157 133.7 100.2 150.4





#69

1,3,5-Trichlorobenzene

Concen: 23.448 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.000 min

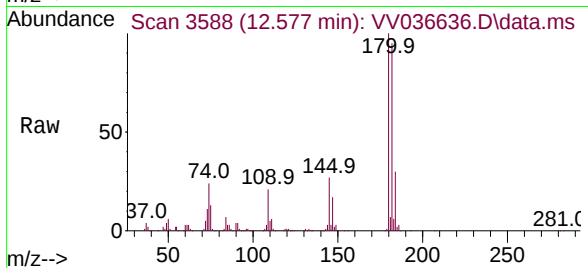
Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 273044

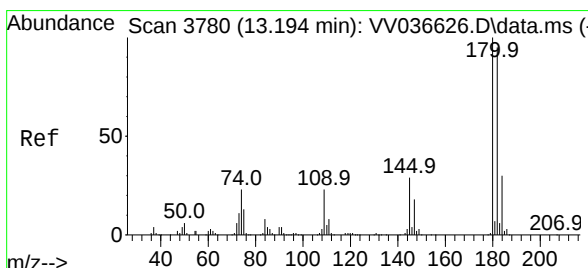
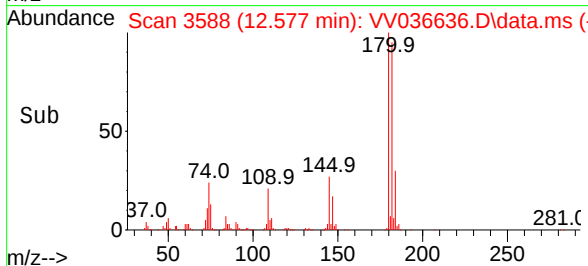
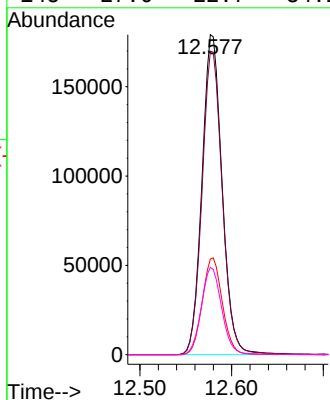
Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.4

184 30.1 24.6 36.8

145 27.6 22.7 34.1



#70

1,2,4-trichlorobenzene

Concen: 23.120 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.000 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

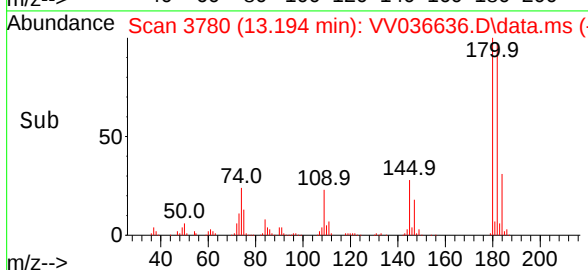
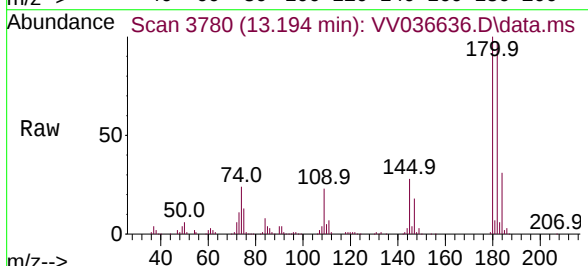
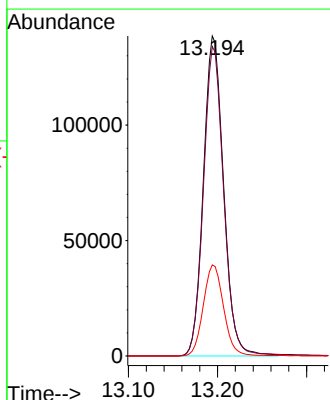
Tgt Ion:180 Resp: 218689

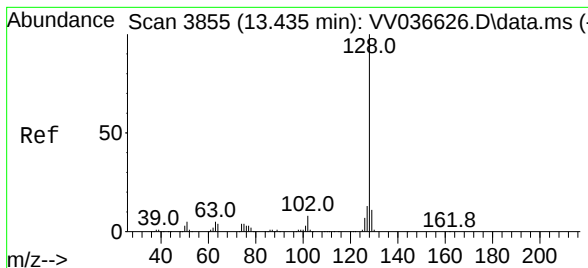
Ion Ratio Lower Upper

180 100

182 96.0 76.2 114.2

145 28.5 23.0 34.6





#71

Naphthalene

Concen: 23.583 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

Instrument :

MSVOA_V

ClientSampleId :

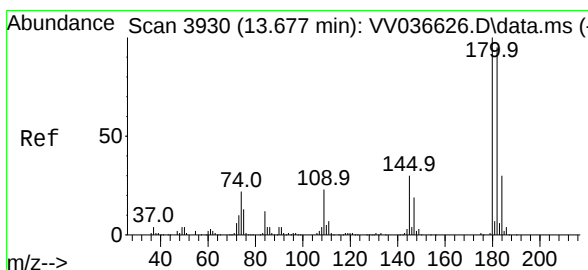
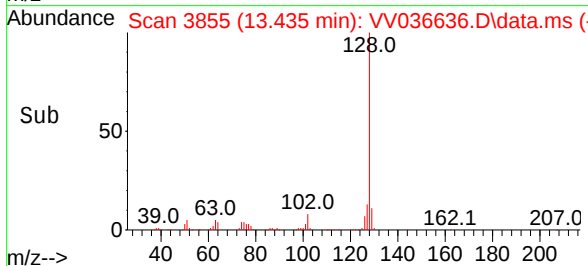
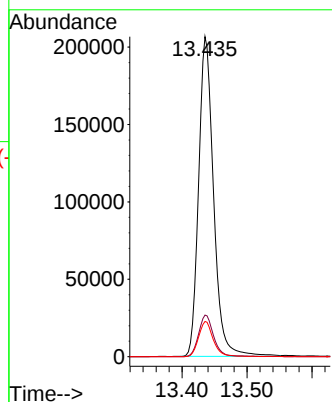
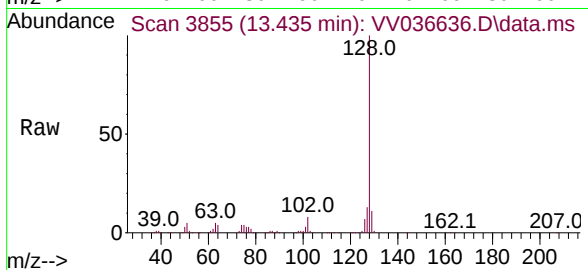
Tgt Ion:128 Resp: 331833

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 24.801 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

Lab File: VV036636.D

Acq: 23 Jul 2024 10:39

Tgt Ion:180 Resp: 211669

Ion Ratio Lower Upper

180 100

182 95.8 75.6 113.4

145 30.5 24.6 37.0

