

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081324\
 Data File : VV036913.D
 Acq On : 13 Aug 2024 09:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 14 04:06:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 13 02:57:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	719366	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	670972	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	342432	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	209832	36.520	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.040%
7) Chloroethane-d5	1.532	69	188892	41.688	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.380%
11) 1,1-Dichloroethene-d2	2.060	65	93303	37.963	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.920%
21) 2-Butanone-d5	3.789	46	233763	76.789	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.790%
24) Chloroform-d	4.243	84	484610	47.000	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.000%
26) 1,2-Dichloroethane-d4	4.934	65	292118	44.064	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.120%
32) Benzene-d6	4.953	84	872646	43.060	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.120%
36) 1,2-Dichloropropane-d6	5.982	67	297790	45.547	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.100%
41) Toluene-d8	7.236	98	762398	41.011	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.020%
43) trans-1,3-Dichloroprop...	7.548	79	137141	40.305	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.600%
47) 2-Hexanone-d5	8.021	63	148492	78.990	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.990%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	351443	46.815	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.640%
66) 1,2-Dichlorobenzene-d4	11.554	152	319080	45.728	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.460%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	311922	54.381	ug/L	99
3) Chloromethane	1.217	50	318477	53.055	ug/L	99
5) Vinyl chloride	1.285	62	321590	52.168	ug/L	98
6) Bromomethane	1.487	94	197520	50.892	ug/L	99
8) Chloroethane	1.548	64	199342	52.205	ug/L	98
9) Trichlorofluoromethane	1.716	101	426484	52.818	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	256322	53.873	ug/L	99
12) 1,1-Dichloroethene	2.069	96	235286	51.778	ug/L	94
13) Acetone	2.111	43	233287	91.591	ug/L	98
14) Carbon disulfide	2.240	76	672380	47.104	ug/L	99
15) Methyl Acetate	2.371	43	219439	41.822	ug/L	99
16) Methylene chloride	2.445	84	267874	52.436	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	244801	52.008	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	785998	47.413	ug/L	99
19) 1,1-Dichloroethane	3.105	63	493861	51.932	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	287138	51.974	ug/L	95
22) 2-Butanone	3.870	43	284947	83.510	ug/L	98
23) Bromochloromethane	4.140	128	140063	52.191	ug/L	100
25) Chloroform	4.268	83	501214	51.315	ug/L	97

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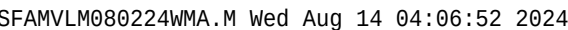
Instrument :
 MSVOA_V
 ClientSampleId :

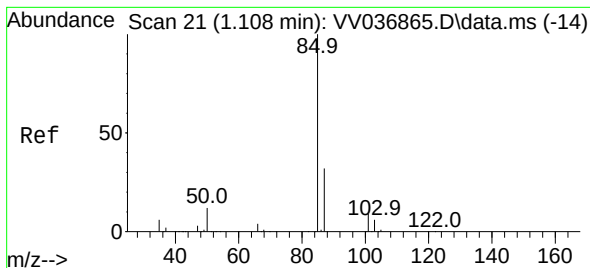
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 13 02:57:00 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	376280	48.839	ug/L	99
29) Cyclohexane	4.571	56	440081	51.477	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	427831	50.610	ug/L	99
31) Carbon tetrachloride	4.725	117	363085	51.143	ug/L	99
33) Benzene	5.002	78	1068198	53.227	ug/L	100
34) Trichloroethene	5.825	95	292982	50.373	ug/L	97
35) Methylcyclohexane	6.040	83	463521	51.935	ug/L	98
37) 1,2-Dichloropropane	6.088	63	284967	53.602	ug/L	100
38) Bromodichloromethane	6.426	83	370067	50.548	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	467073	51.298	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	544380	82.661	ug/L	99
42) Toluene	7.307	91	1120520	52.420	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	413075	48.686	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	257278	49.971	ug/L	97
46) Tetrachloroethene	7.899	164	201274	52.758	ug/L	99
48) 2-Hexanone	8.072	43	400051	82.571	ug/L	98
49) Dibromochloromethane	8.169	129	267440	50.548	ug/L	97
50) 1,2-Dibromoethane	8.278	107	263667	49.359	ug/L	99
51) Chlorobenzene	8.808	112	725711	52.912	ug/L	98
52) Ethylbenzene	8.940	91	1277991	52.361	ug/L	99
53) m,p-Xylene	9.066	106	469921	51.508	ug/L	98
54) o-Xylene	9.471	106	462990	51.886	ug/L	99
55) Styrene	9.490	104	812893	53.159	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.172	83	338318	48.700	ug/L	100
59) Bromoform	9.657	173	168075	44.367	ug/L	98
60) Isopropylbenzene	9.860	105	1263949	50.700	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	271304	44.012	ug/L	100
62) 1,3,5-Trimethylbenzene	10.468	105	1057524	50.952	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	1058045	50.925	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	563936	52.604	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	570402	52.323	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	549327	52.466	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.358	75	65731	36.899	ug/L	94
69) 1,3,5-Trichlorobenzene	12.577	180	400005	52.578	ug/L	100
70) 1,2,4-trichlorobenzene	13.191	180	369768	50.677	ug/L	99
71) Naphthalene	13.432	128	984951	42.095	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	358747	50.228	ug/L	99

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

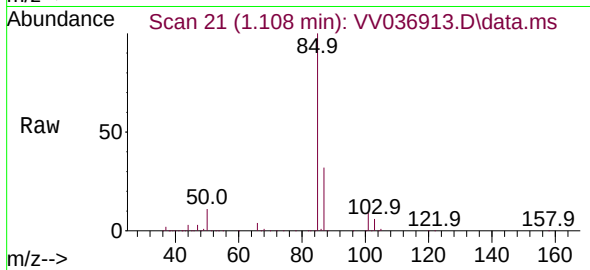
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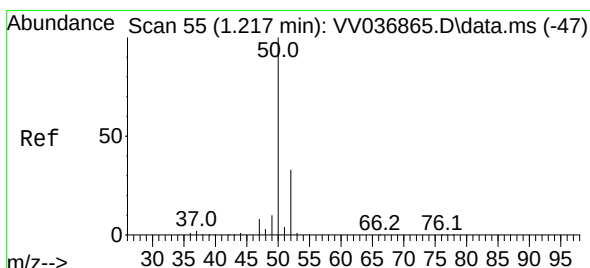
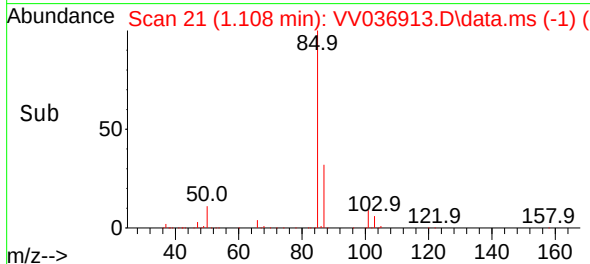
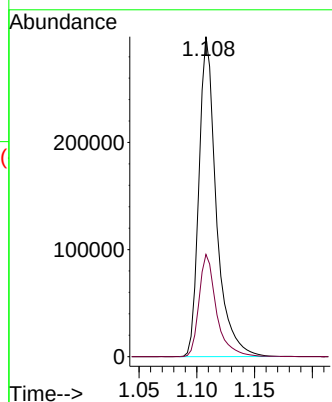


#2
 Dichlorodifluoromethane
 Concen: 54.381 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV036913.D
 Acq: 13 Aug 2024 09:02

Instrument :
 MSVOA_V
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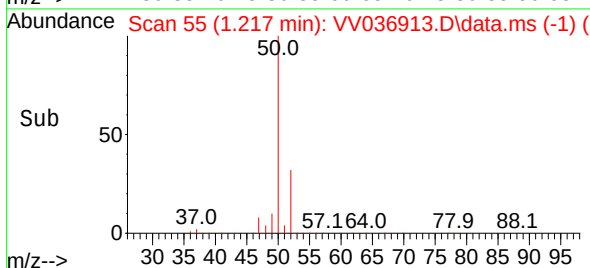
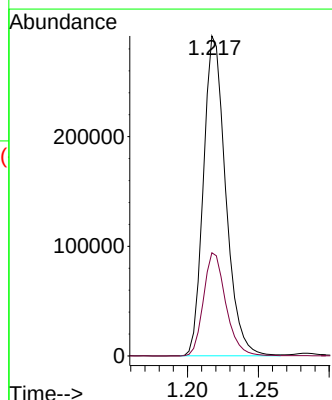
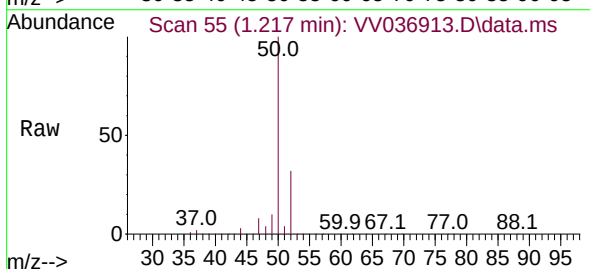


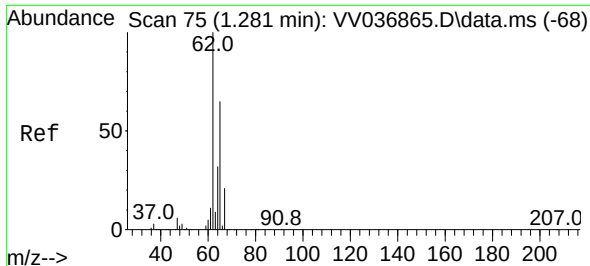
Tgt Ion: 85 Resp: 311922
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.9 38.9



#3
 Chloromethane
 Concen: 53.055 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV036913.D
 Acq: 13 Aug 2024 09:02

Tgt Ion: 50 Resp: 318477
 Ion Ratio Lower Upper
 50 100
 52 32.2 23.0 42.8

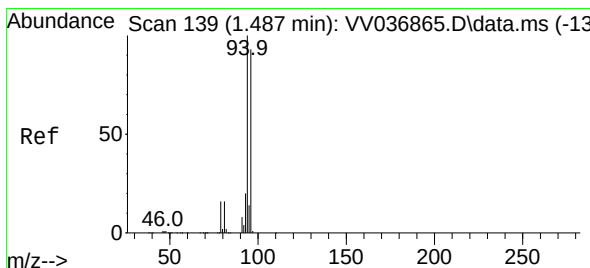
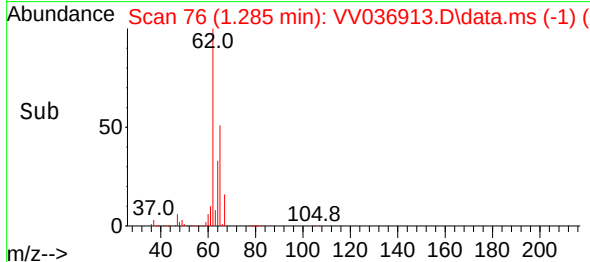
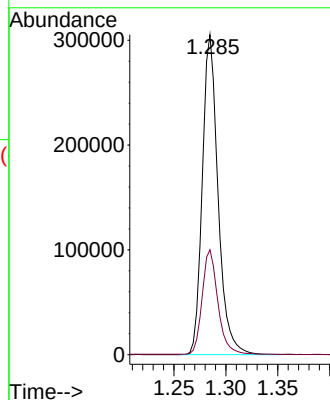
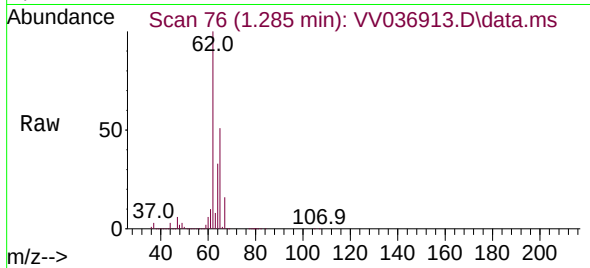




#5
 Vinyl chloride
 Concen: 52.168 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV036913.D
 Acq: 13 Aug 2024 09:02

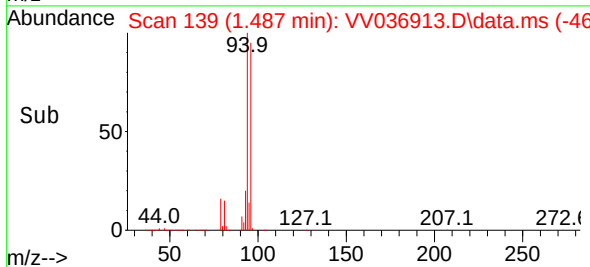
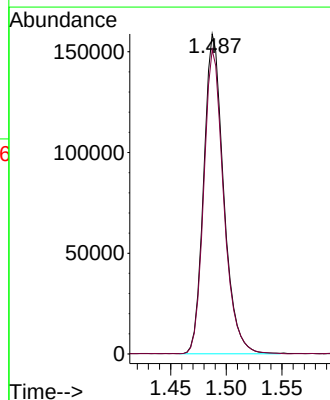
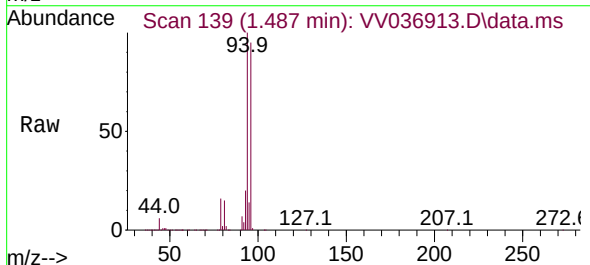
Instrument :
 MSVOA_V
 ClientSampleId :

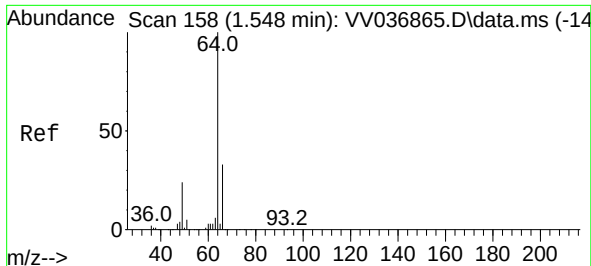
Tgt Ion: 62 Resp: 321590
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.6 43.8



#6
 Bromomethane
 Concen: 50.892 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV036913.D
 Acq: 13 Aug 2024 09:02

Tgt Ion: 94 Resp: 197520
 Ion Ratio Lower Upper
 94 100
 96 95.0 65.5 121.7

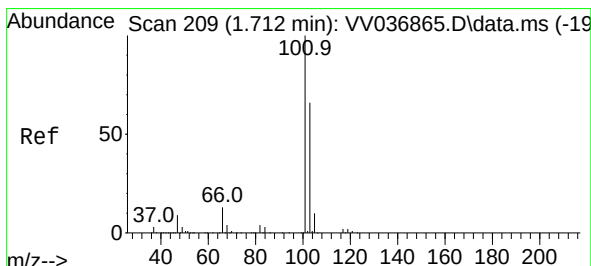
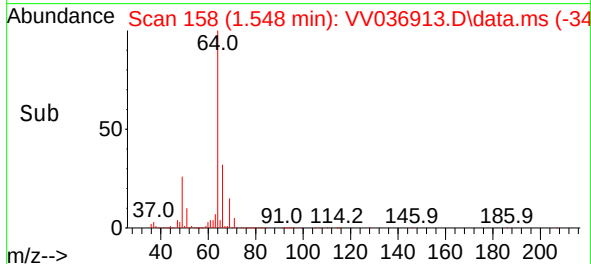
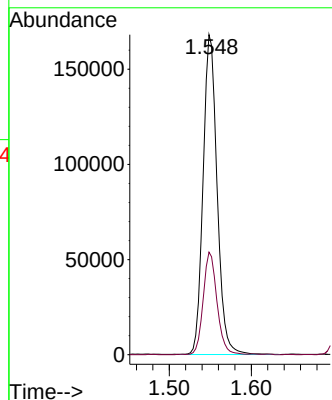
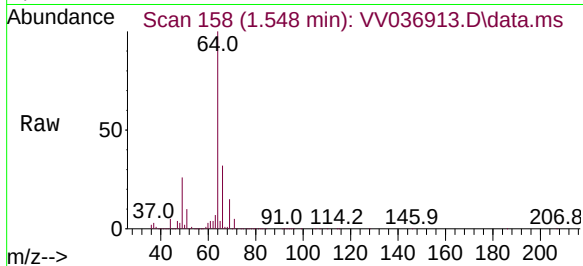




#8
Chloroethane
Concen: 52.205 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV036913.D
Acq: 13 Aug 2024 09:02

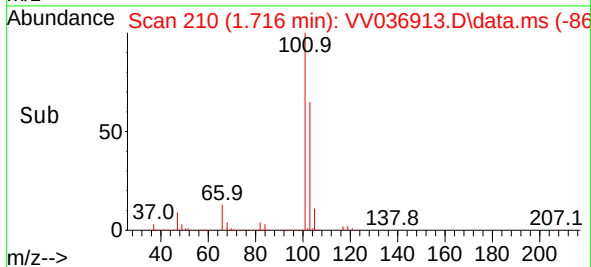
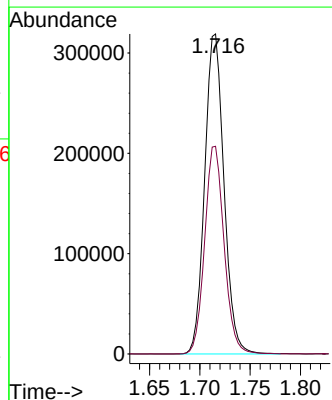
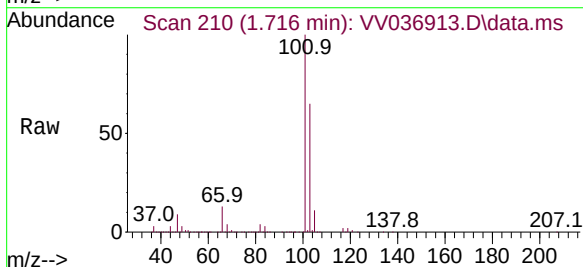
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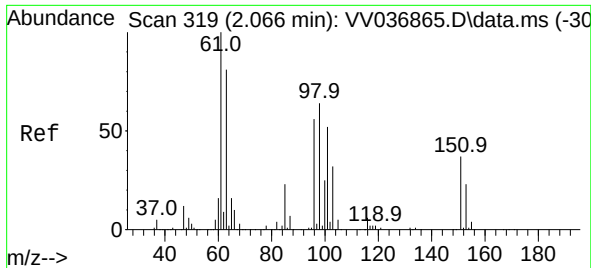
Tgt Ion: 64 Resp: 199342
Ion Ratio Lower Upper
64 100
66 32.0 23.2 43.0



#9
Trichlorofluoromethane
Concen: 52.818 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV036913.D
Acq: 13 Aug 2024 09:02

Tgt Ion:101 Resp: 426484
Ion Ratio Lower Upper
101 100
103 65.3 51.4 77.0





#10

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

Concen: 53.873 ug/L

RT: 2.069 min Scan# 319

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :

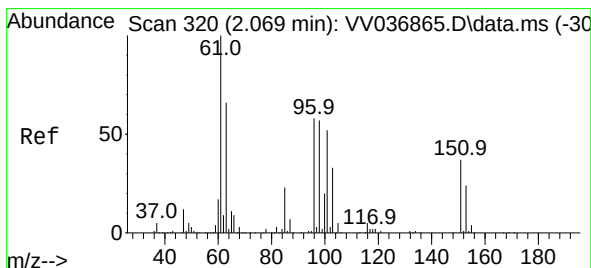
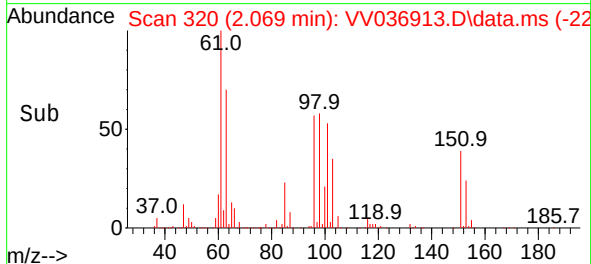
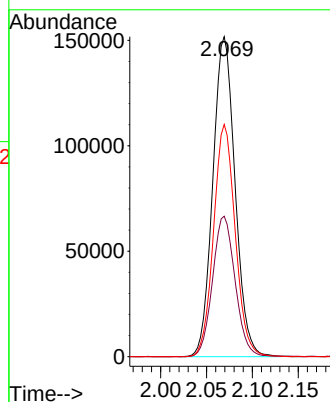
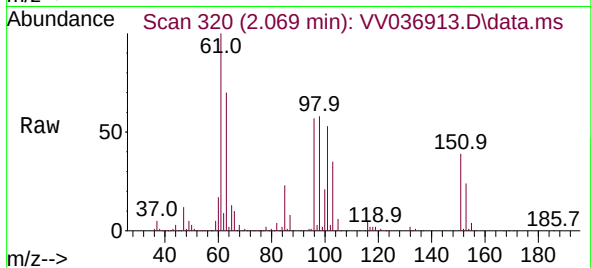
Tgt Ion:101 Resp: 256322

Ion Ratio Lower Upper

101 100

85 44.5 34.6 51.8

151 70.7 55.9 83.9



#12

1,1-Dichloroethene

Concen: 51.778 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

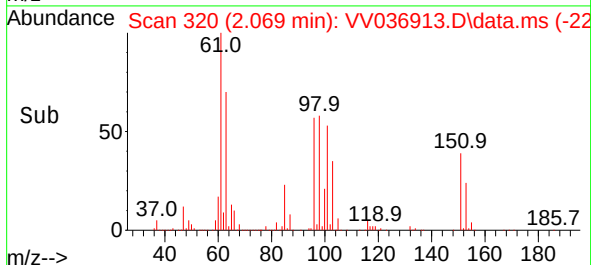
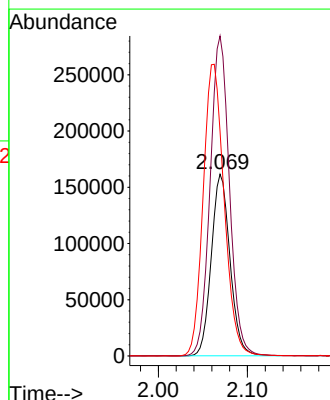
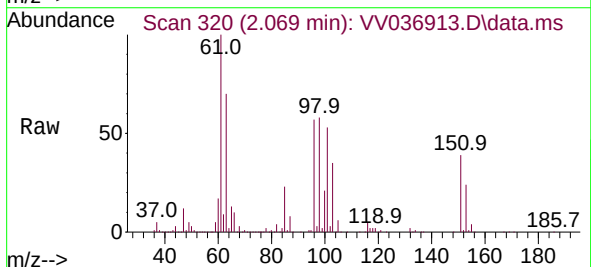
Tgt Ion: 96 Resp: 235286

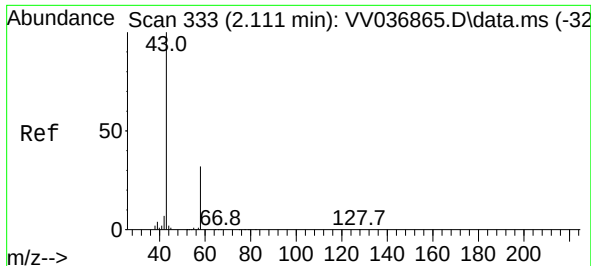
Ion Ratio Lower Upper

96 100

61 176.1 125.6 233.2

63 123.6 95.1 176.7





#13

Acetone

Concen: 91.591 ug/L

RT: 2.111 min Scan# 341

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Instrument :

MSVOA_V

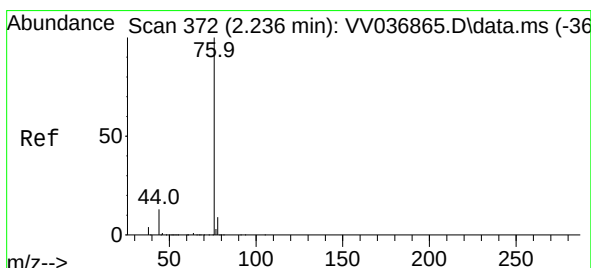
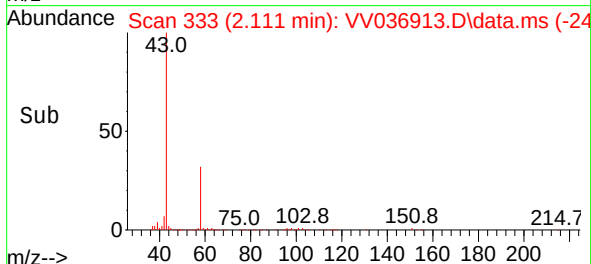
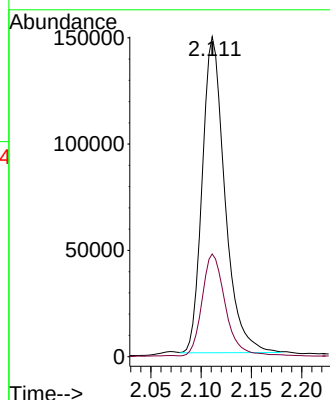
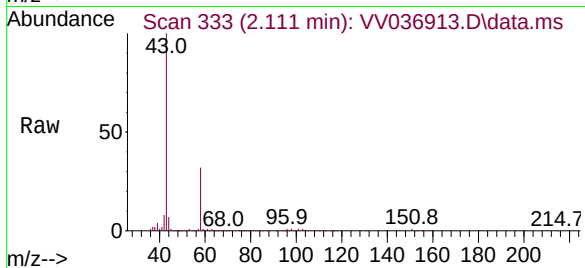
ClientSampleId :

Tgt Ion: 43 Resp: 233287

Ion Ratio Lower Upper

43 100

58 32.9 0.0 63.4



#14

Carbon disulfide

Concen: 47.104 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV036913.D

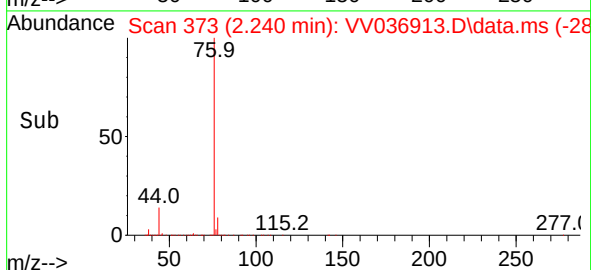
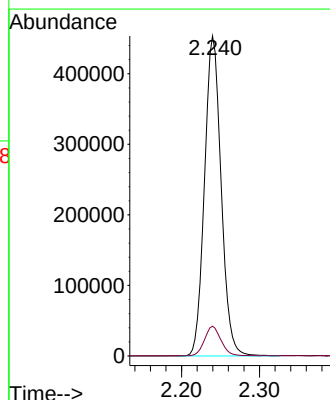
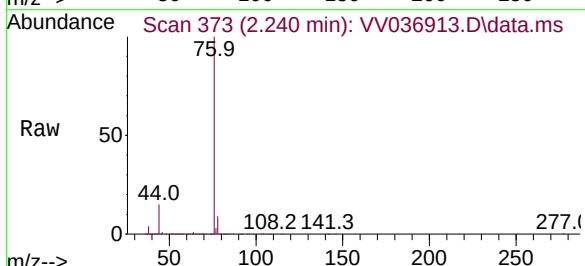
Acq: 13 Aug 2024 09:02

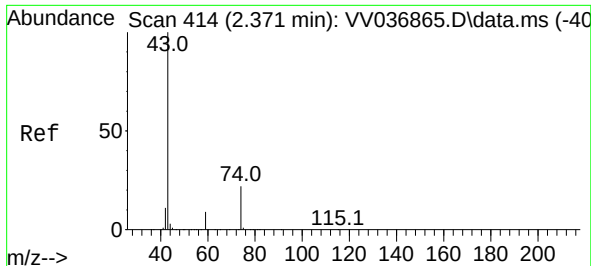
Tgt Ion: 76 Resp: 672380

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

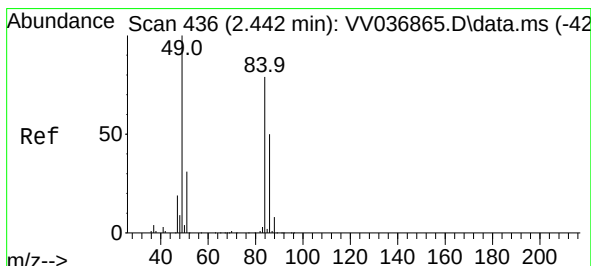
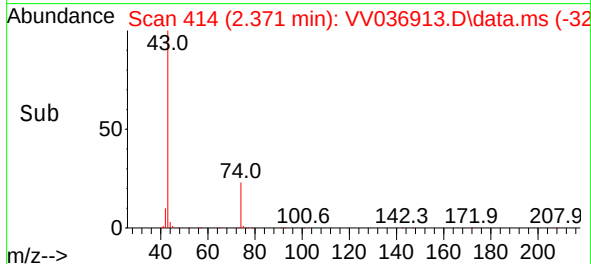
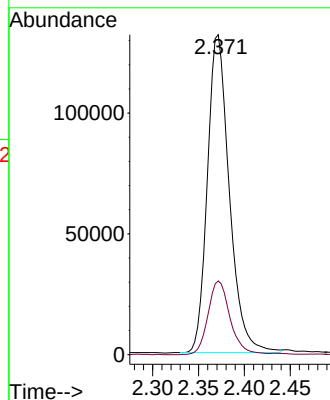
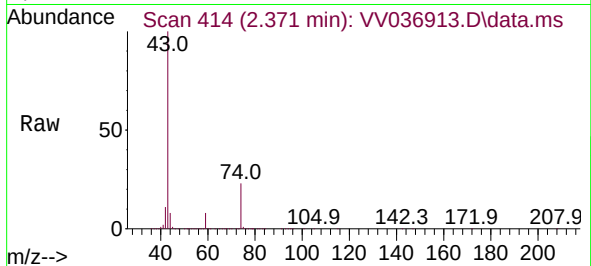




#15
Methyl Acetate
Concen: 41.822 ug/L
RT: 2.371 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV036913.D
Acq: 13 Aug 2024 09:02

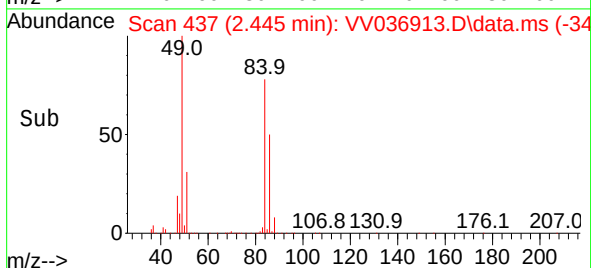
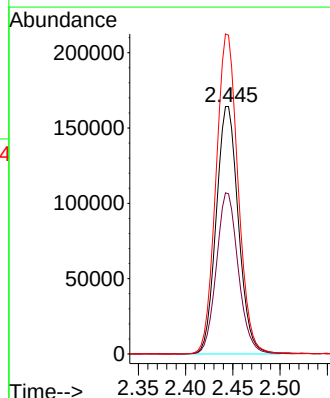
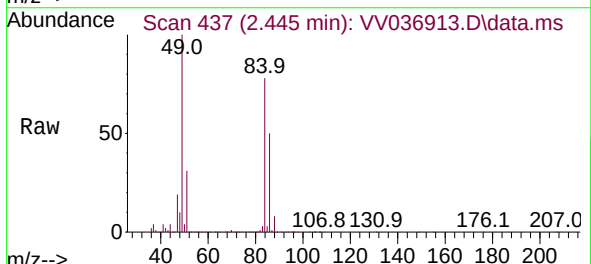
Instrument :
MSVOA_V
ClientSampleId :

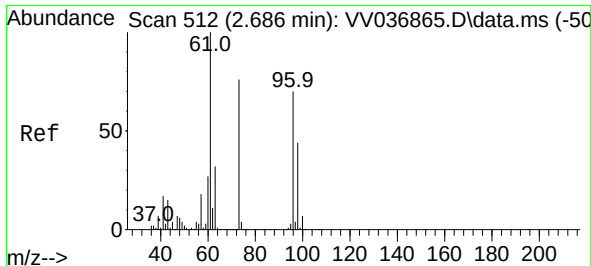
Tgt Ion: 43 Resp: 219439
Ion Ratio Lower Upper
43 100
74 23.3 19.0 28.4



#16
Methylene chloride
Concen: 52.436 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV036913.D
Acq: 13 Aug 2024 09:02

Tgt Ion: 84 Resp: 267874
Ion Ratio Lower Upper
84 100
86 64.7 44.3 82.3
49 128.7 91.1 169.1

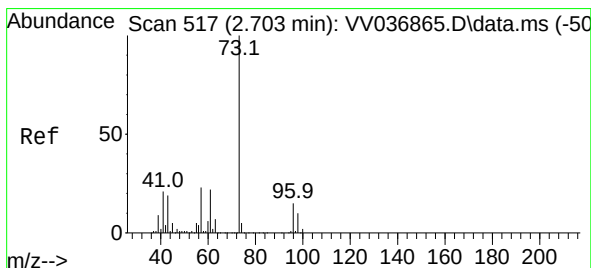
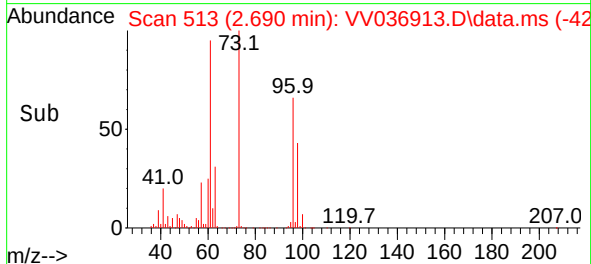
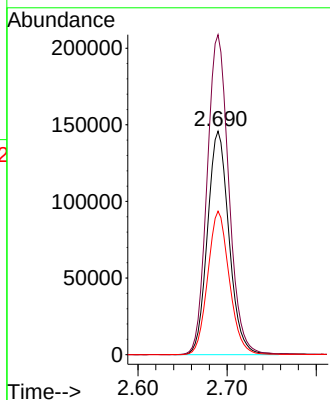
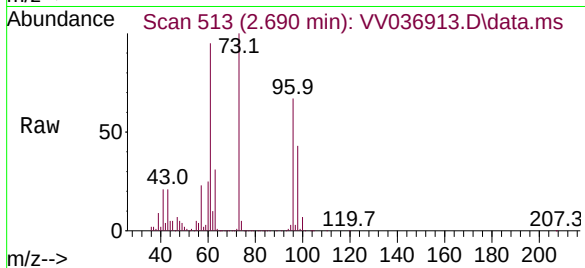




#17
trans-1,2-Dichloroethene
Concen: 52.008 ug/L
RT: 2.690 min Scan# 512
Delta R.T. -0.000 min
Lab File: VV036913.D
Acq: 13 Aug 2024 09:02

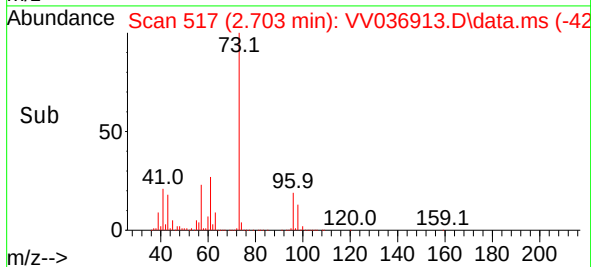
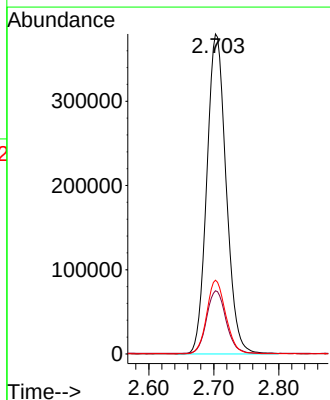
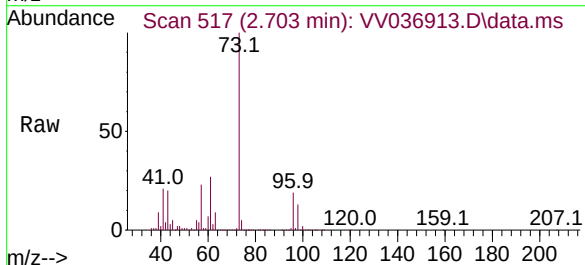
Instrument :
MSVOA_V
ClientSampleId :

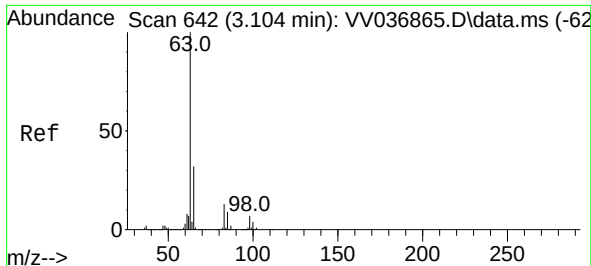
Tgt Ion: 96 Resp: 244801
Ion Ratio Lower Upper
96 100
61 143.1 100.0 185.8
98 64.2 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 47.413 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.003 min
Lab File: VV036913.D
Acq: 13 Aug 2024 09:02

Tgt Ion: 73 Resp: 785998
Ion Ratio Lower Upper
73 100
43 19.6 16.1 24.1
57 22.5 17.9 26.9





#19

1,1-Dichloroethane

Concen: 51.932 ug/L

RT: 3.105 min Scan# 642

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :

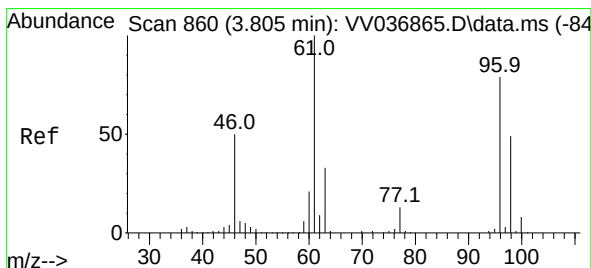
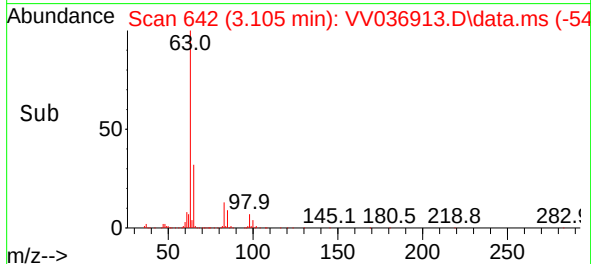
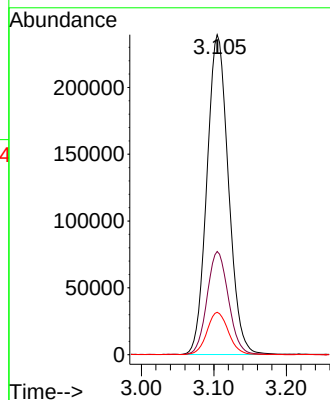
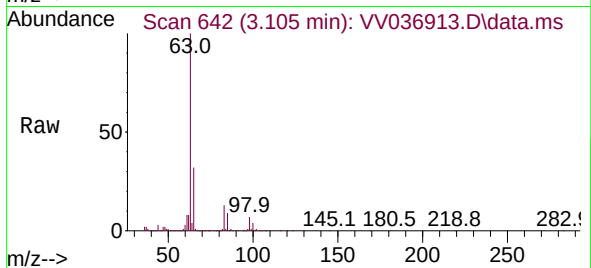
Tgt Ion: 63 Resp: 493861

Ion Ratio Lower Upper

63 100

65 32.2 23.2 43.0

83 13.2 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 51.974 ug/L

RT: 3.805 min Scan# 860

Delta R.T. -0.003 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

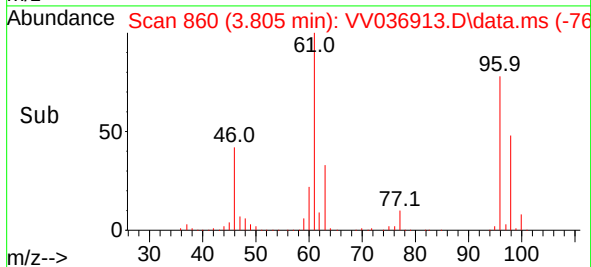
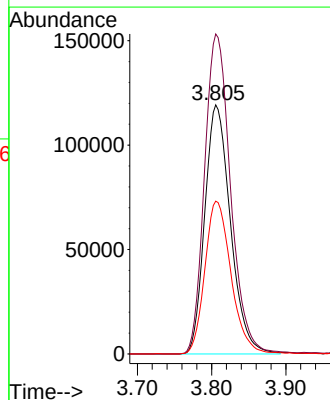
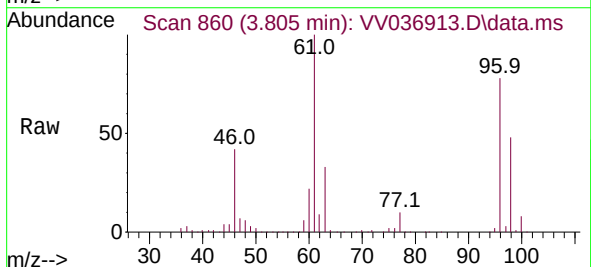
Tgt Ion: 96 Resp: 287138

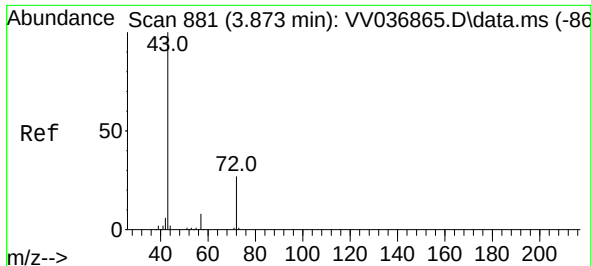
Ion Ratio Lower Upper

96 100

61 128.4 93.9 174.5

98 61.3 46.0 85.4





#22

2-Butanone

Concen: 83.510 ug/L

RT: 3.870 min Scan# 881

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Instrument :

MSVOA_V

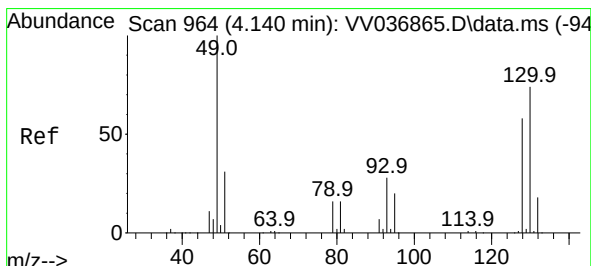
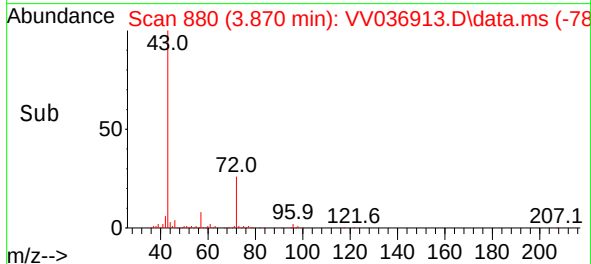
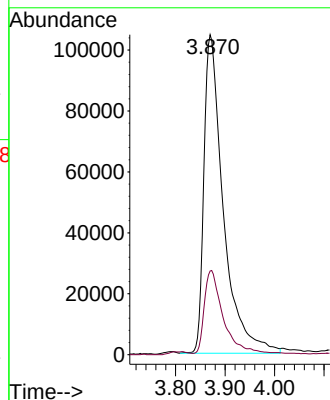
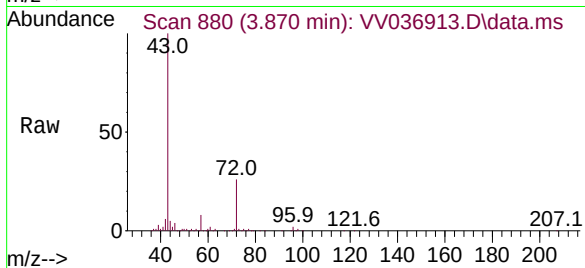
ClientSampleId :

Tgt Ion: 43 Resp: 284947

Ion Ratio Lower Upper

43 100

72 24.0 12.5 37.5



#23

Bromochloromethane

Concen: 52.191 ug/L

RT: 4.140 min Scan# 964

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Tgt Ion:128 Resp: 140063

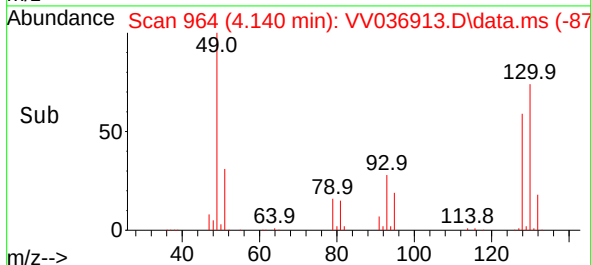
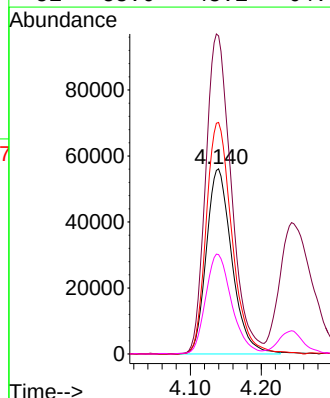
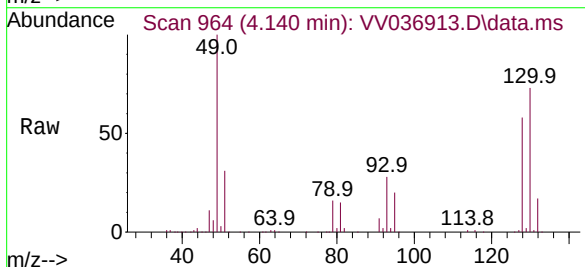
Ion Ratio Lower Upper

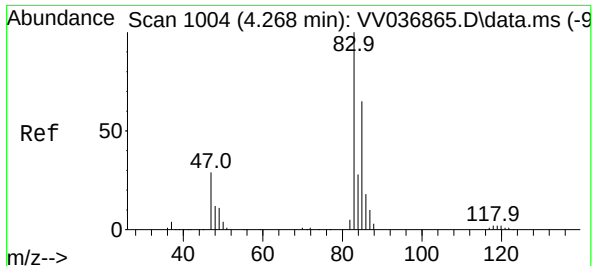
128 100

49 171.9 120.0 223.0

130 125.0 87.0 161.6

51 53.6 43.1 64.7





#25

Chloroform

Concen: 51.315 ug/L

RT: 4.268 min Scan# 1004

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Instrument :

MSVOA_V

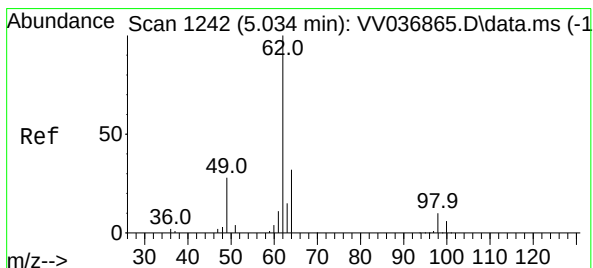
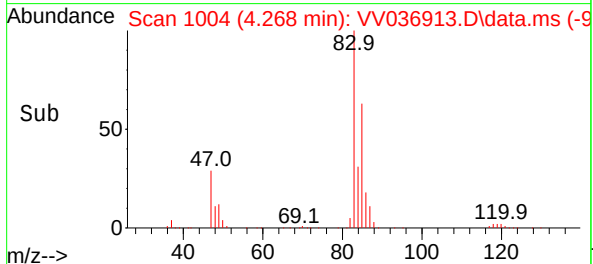
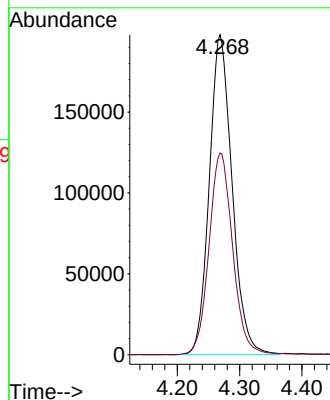
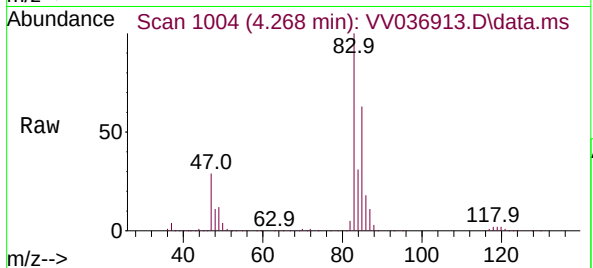
ClientSampleId :

Tgt Ion: 83 Resp: 501214

Ion Ratio Lower Upper

83 100

85 63.1 46.0 85.4



#27

1,2-Dichloroethane

Concen: 48.839 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.003 min

Lab File: VV036913.D

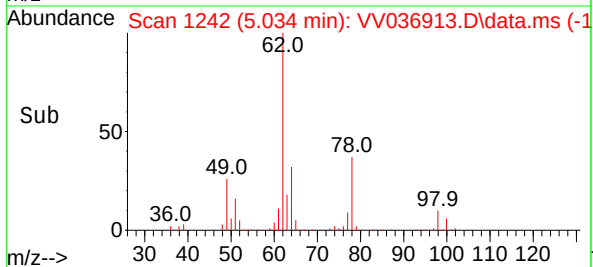
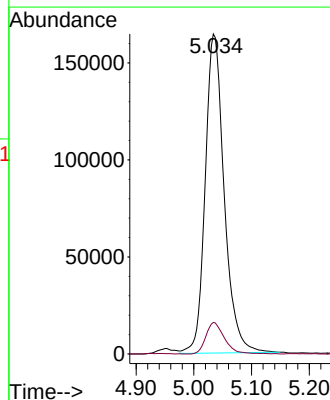
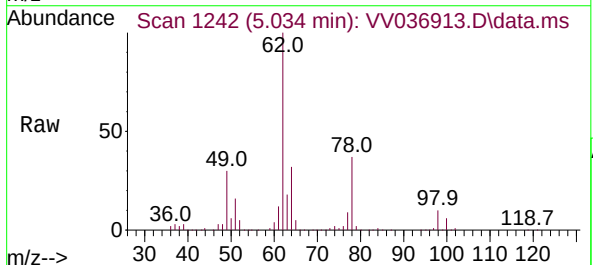
Acq: 13 Aug 2024 09:02

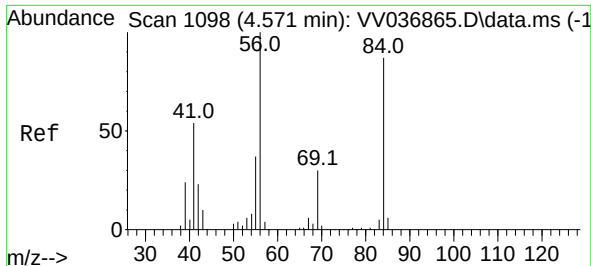
Tgt Ion: 62 Resp: 376280

Ion Ratio Lower Upper

62 100

98 9.8 7.5 11.3





#29

Cyclohexane

Concen: 51.477 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. -0.000 min

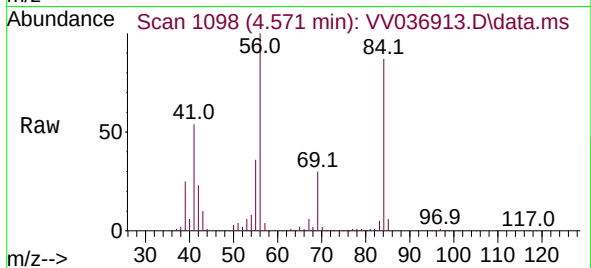
Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :



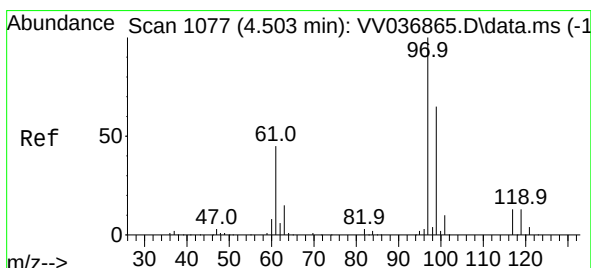
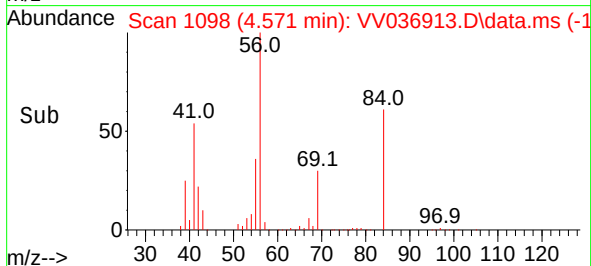
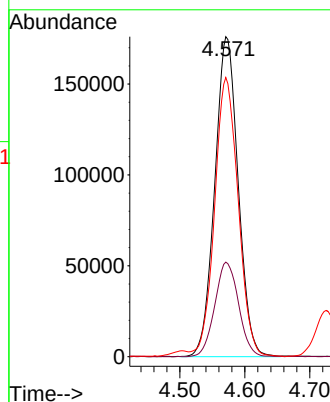
Tgt Ion: 56 Resp: 440081

Ion Ratio Lower Upper

56 100

69 30.0 24.7 37.1

84 87.6 68.5 102.7



#30

1,1,1-Trichloroethane

Concen: 50.610 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

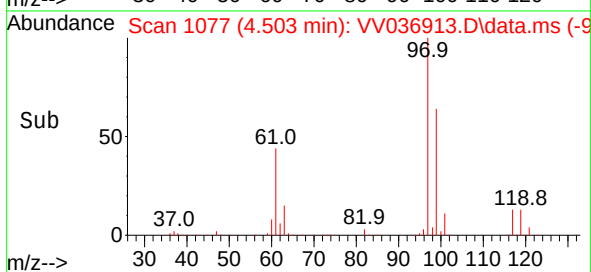
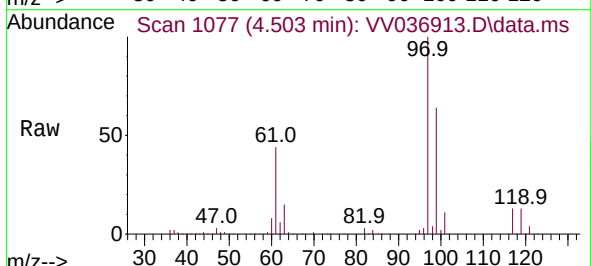
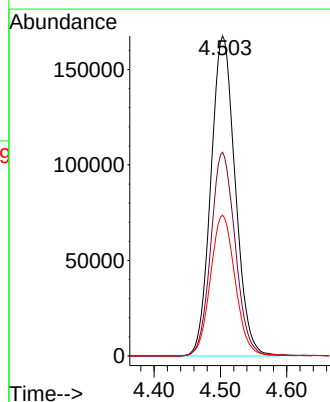
Tgt Ion: 97 Resp: 427831

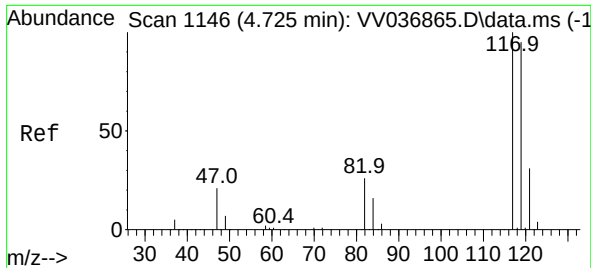
Ion Ratio Lower Upper

97 100

99 63.6 51.5 77.3

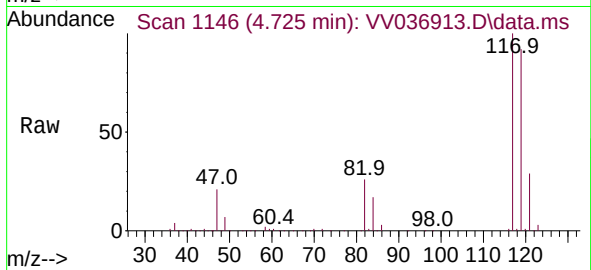
61 44.9 36.0 54.0



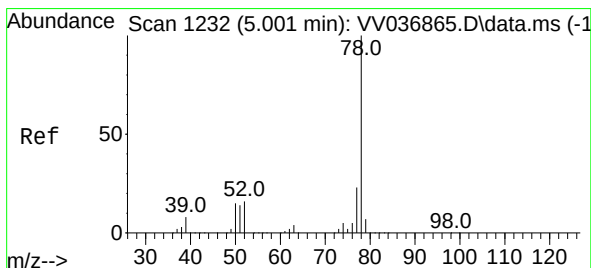
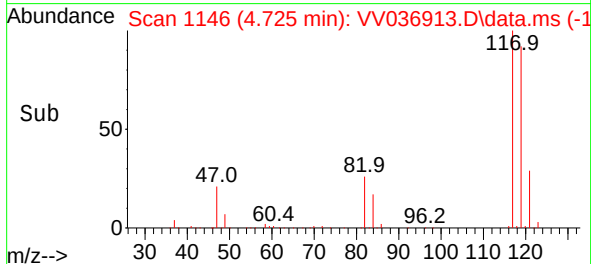
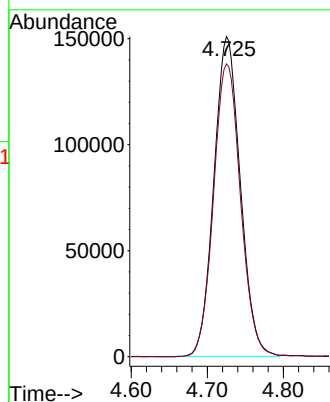


#31
Carbon tetrachloride
Concen: 51.143 ug/L
RT: 4.725 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VV036913.D
Acq: 13 Aug 2024 09:02

Instrument :
MSVOA_V
ClientSampleId :

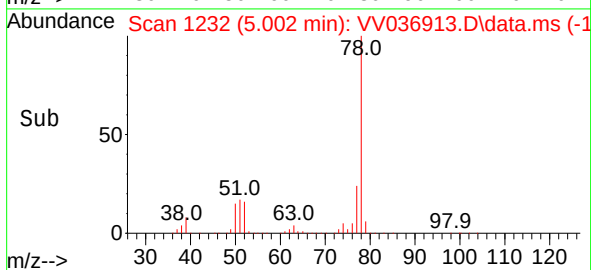
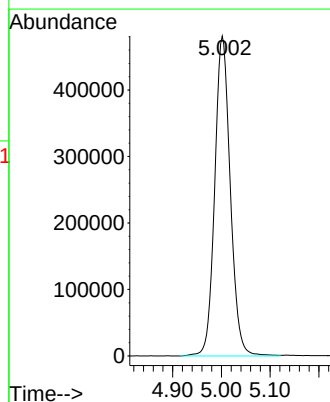
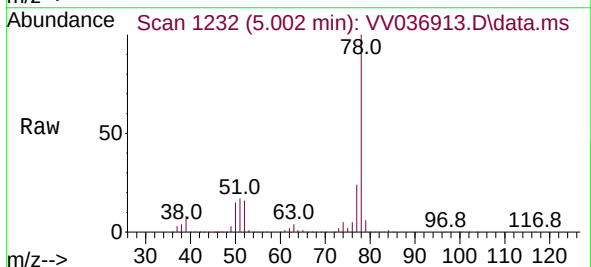


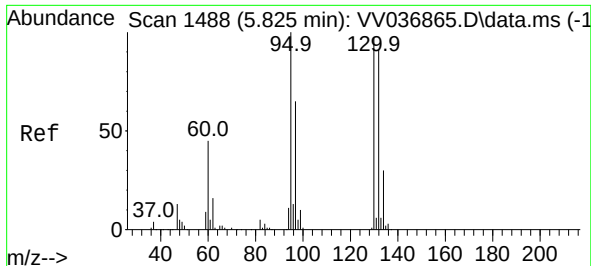
Tgt Ion:117 Resp: 363085
Ion Ratio Lower Upper
117 100
119 93.8 76.1 114.1



#33
Benzene
Concen: 53.227 ug/L
RT: 5.002 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VV036913.D
Acq: 13 Aug 2024 09:02

Tgt Ion: 78 Resp: 1068198





#34

Trichloroethene

Concen: 50.373 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. -0.003 min

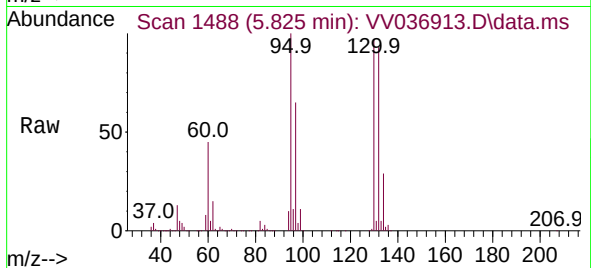
Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 292982

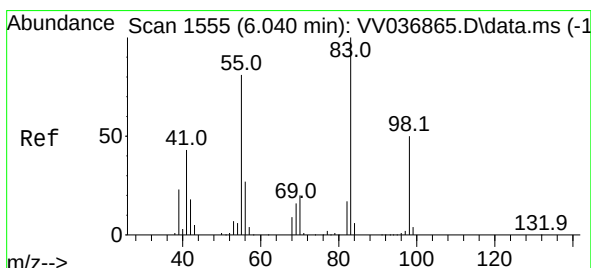
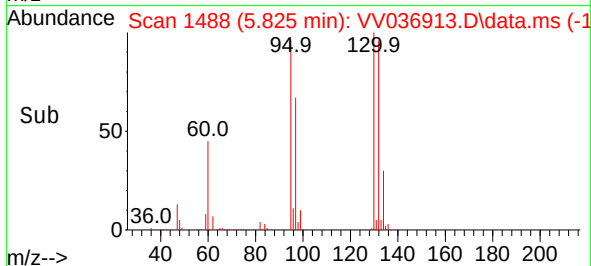
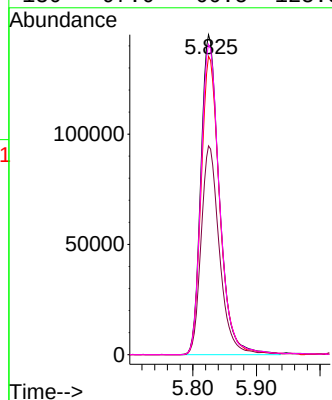
Ion Ratio Lower Upper

95 100

97 65.3 44.7 82.9

132 93.3 62.9 116.9

130 97.0 66.5 123.5



#35

Methylcyclohexane

Concen: 51.935 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. -0.003 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

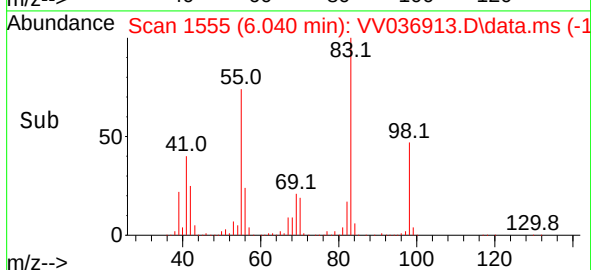
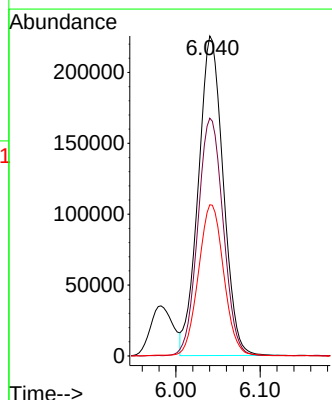
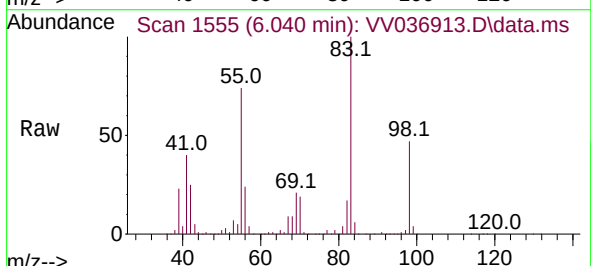
Tgt Ion: 83 Resp: 463521

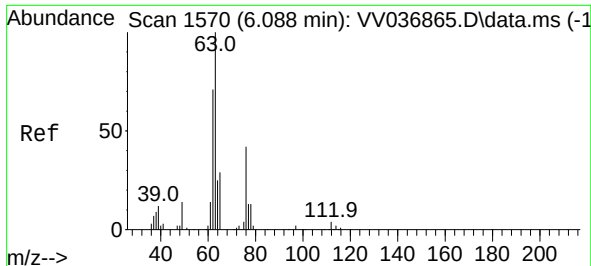
Ion Ratio Lower Upper

83 100

55 75.7 62.3 93.5

98 48.3 38.7 58.1

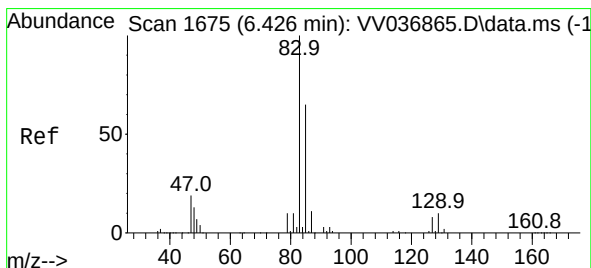
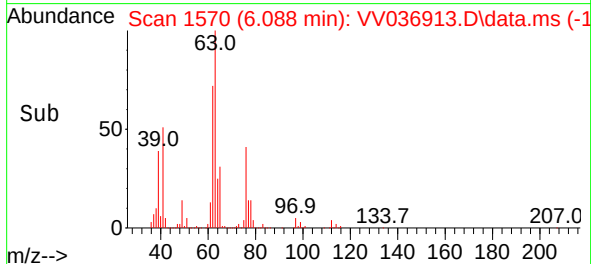
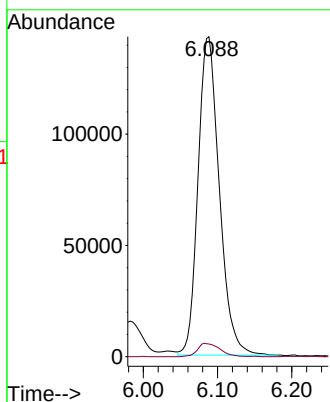
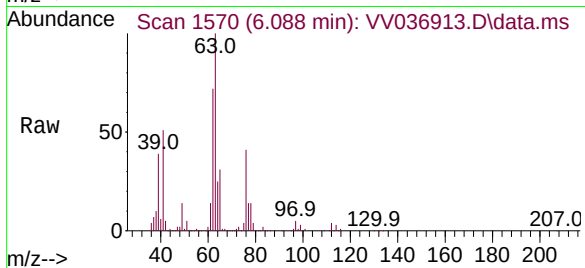




#37
1,2-Dichloropropane
Concen: 53.602 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VV036913.D
Acq: 13 Aug 2024 09:02

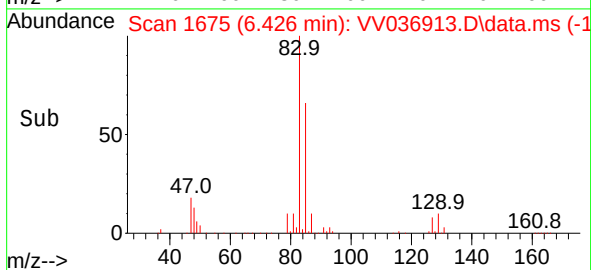
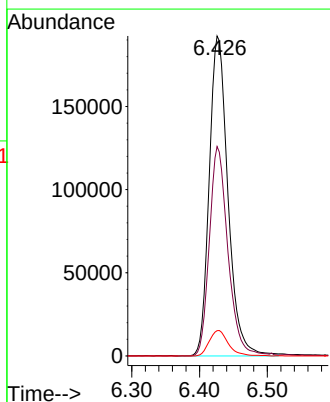
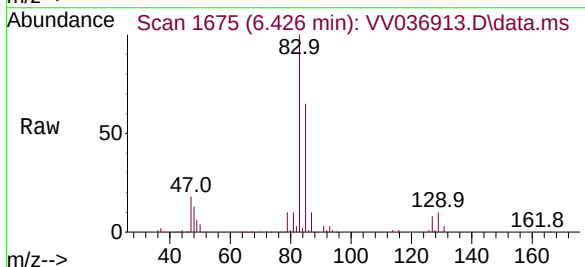
Instrument :
MSVOA_V
ClientSampleId :

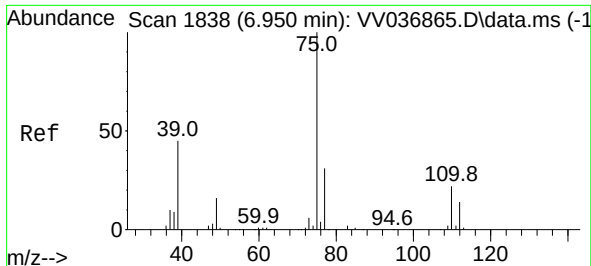
Tgt Ion: 63 Resp: 284967
Ion Ratio Lower Upper
63 100
112 4.5 3.6 5.4



#38
Bromodichloromethane
Concen: 50.548 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VV036913.D
Acq: 13 Aug 2024 09:02

Tgt Ion: 83 Resp: 370067
Ion Ratio Lower Upper
83 100
85 65.5 44.7 83.1
127 7.9 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 51.298 ug/L

RT: 6.947 min Scan# 1837

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Instrument :

MSVOA_V

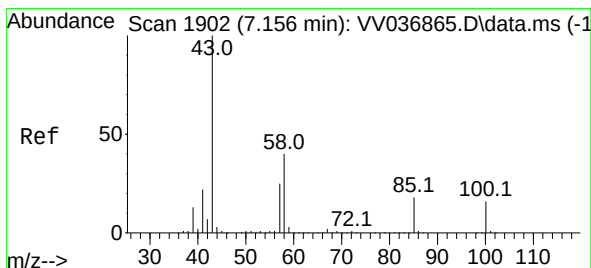
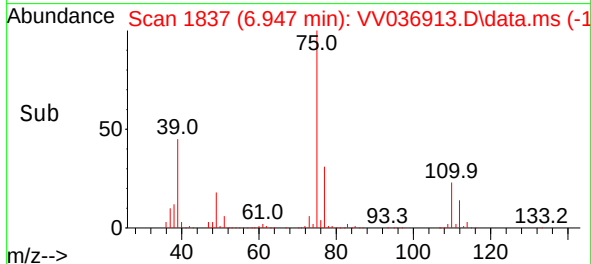
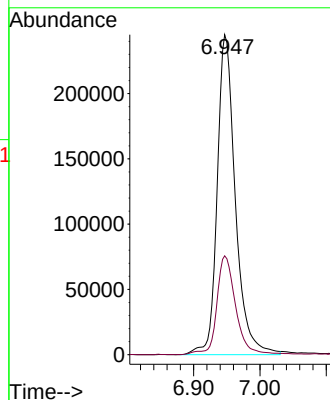
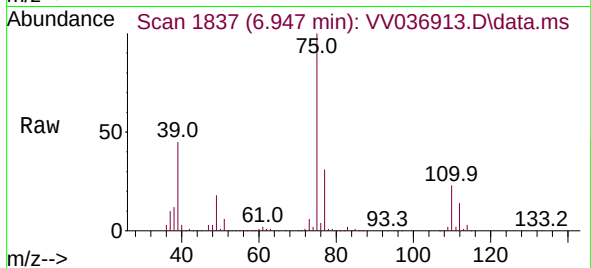
ClientSampleId :

Tgt Ion: 75 Resp: 467073

Ion Ratio Lower Upper

75 100

77 30.9 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 82.661 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. -0.003 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

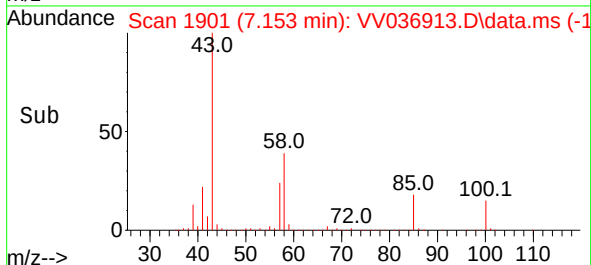
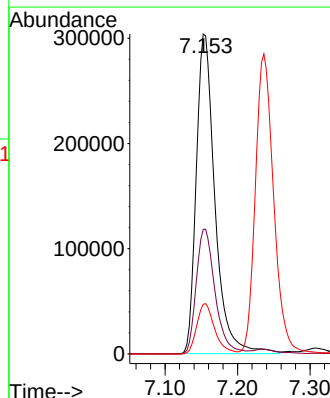
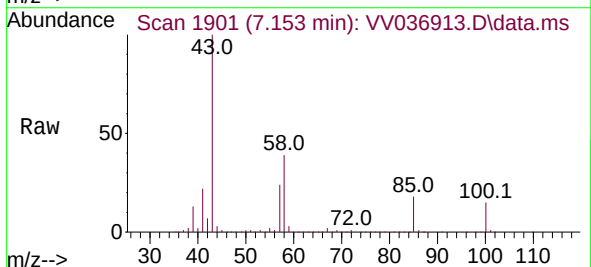
Tgt Ion: 43 Resp: 544380

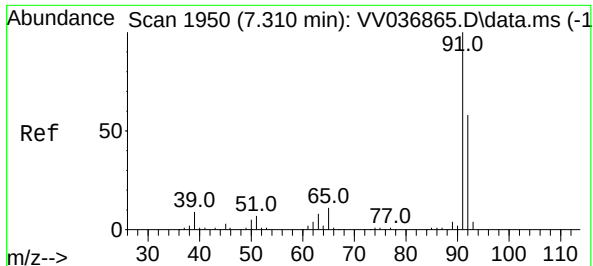
Ion Ratio Lower Upper

43 100

58 39.4 31.3 46.9

100 15.1 12.6 18.8





#42

Toluene

Concen: 52.420 ug/L

RT: 7.307 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Instrument :

MSVOA_V

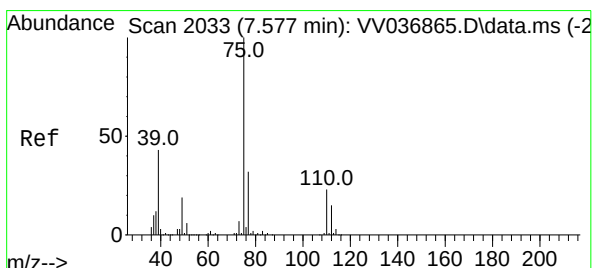
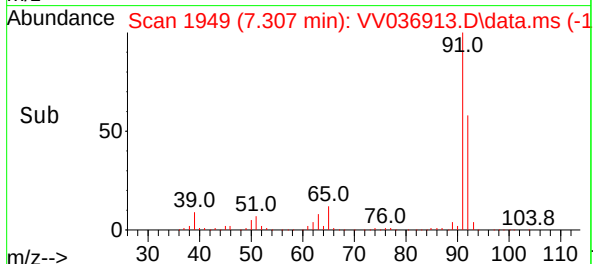
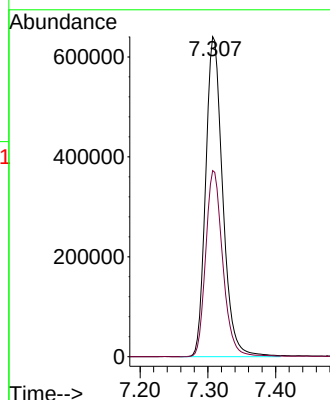
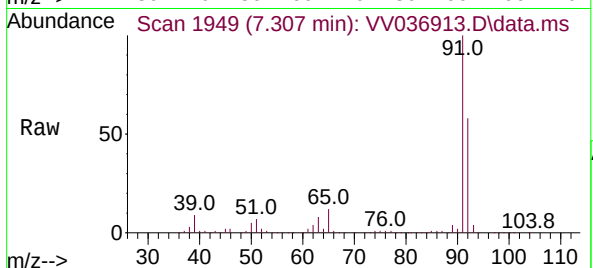
ClientSampleId :

Tgt Ion: 91 Resp: 1120520

Ion Ratio Lower Upper

91 100

92 58.2 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 48.686 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV036913.D

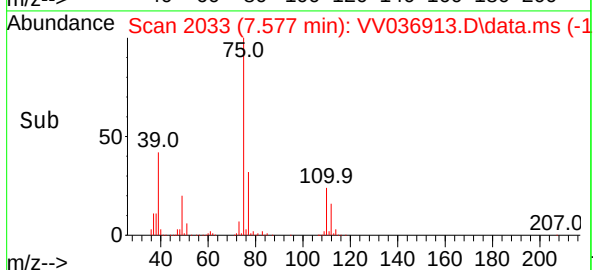
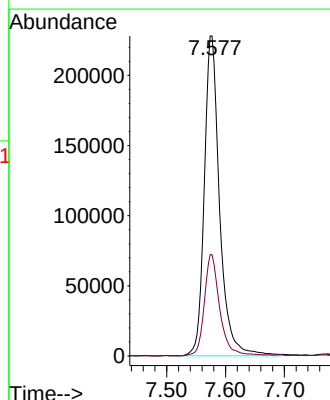
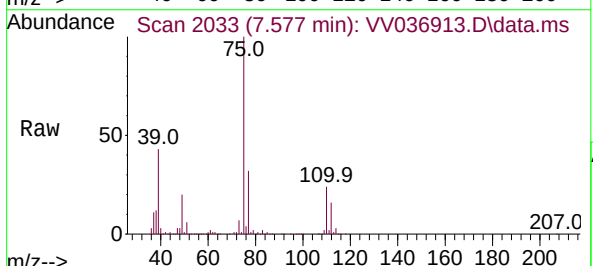
Acq: 13 Aug 2024 09:02

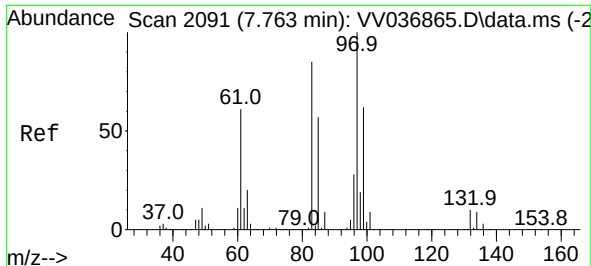
Tgt Ion: 75 Resp: 413075

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 49.971 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 257278

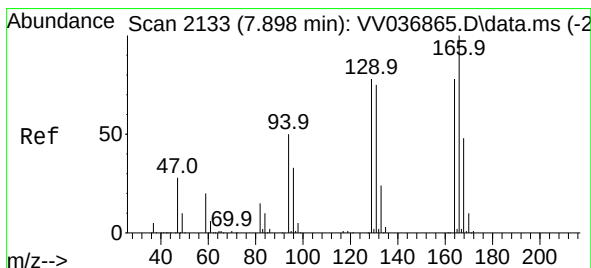
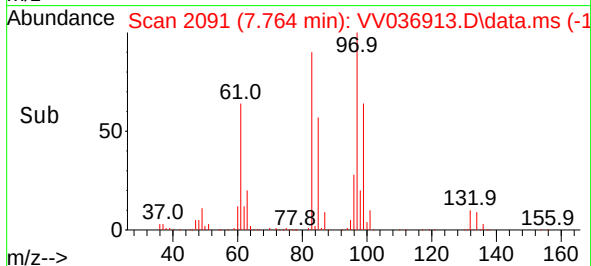
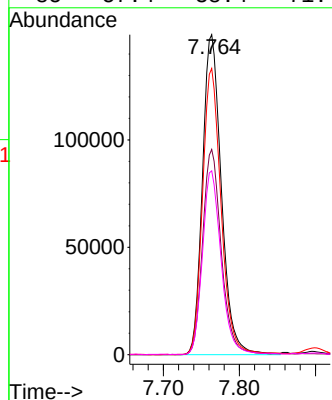
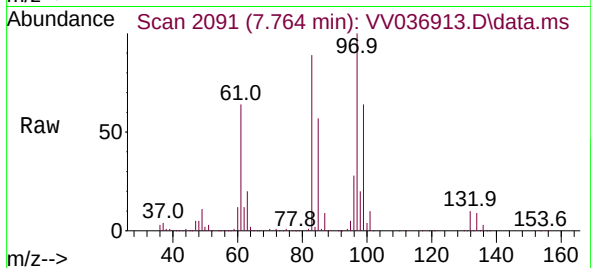
Ion Ratio Lower Upper

97 100

99 64.1 44.0 81.6

83 89.4 60.1 111.5

85 57.4 38.4 71.4



#46

Tetrachloroethene

Concen: 52.758 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Tgt Ion:164 Resp: 201274

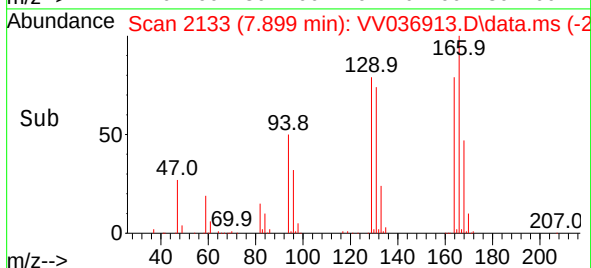
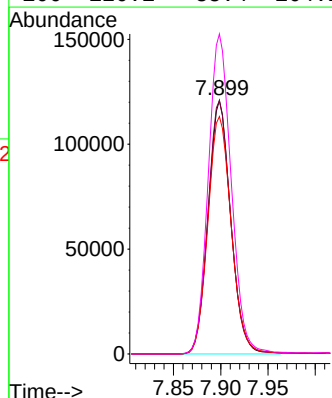
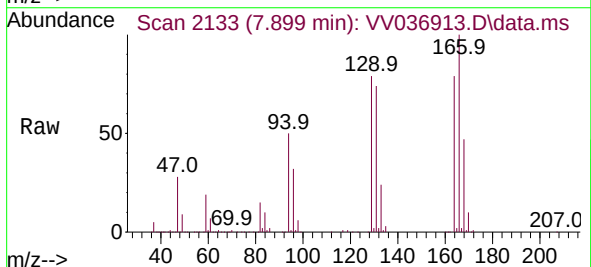
Ion Ratio Lower Upper

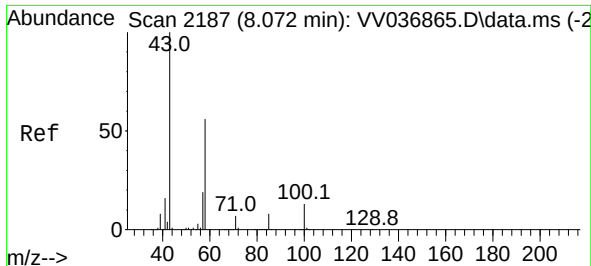
164 100

129 99.8 70.4 130.8

131 93.6 67.7 125.7

166 126.1 88.4 164.2





#48

2-Hexanone

Concen: 82.571 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. -0.000 min

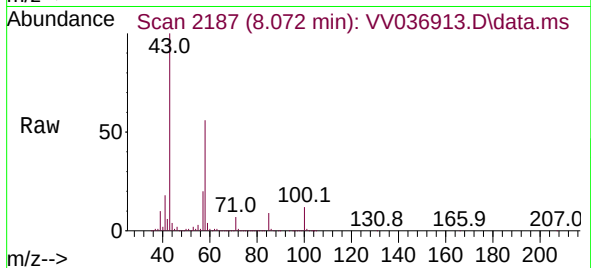
Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 400051

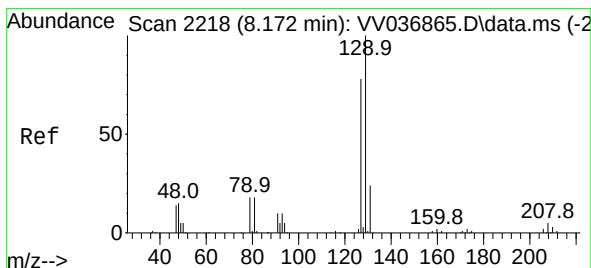
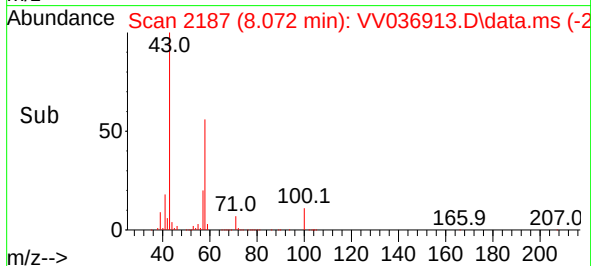
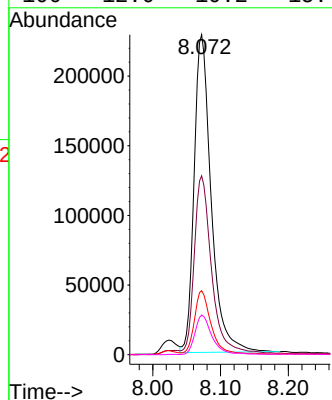
Ion Ratio Lower Upper

43 100

58 54.4 44.7 67.1

57 18.8 15.0 22.4

100 12.0 10.2 15.4



#49

Dibromochloromethane

Concen: 50.548 ug/L

RT: 8.169 min Scan# 2217

Delta R.T. -0.003 min

Lab File: VV036913.D

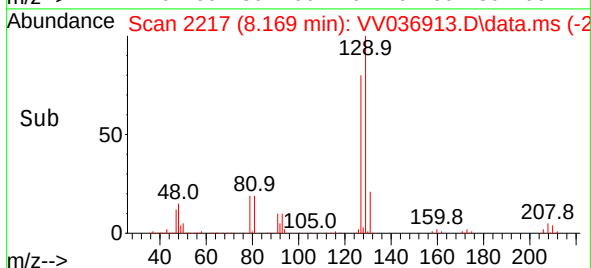
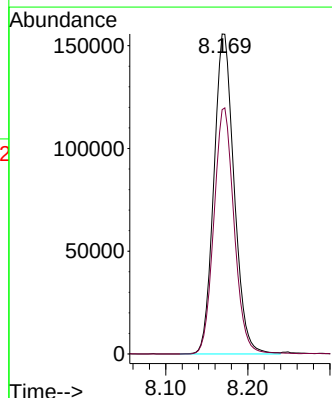
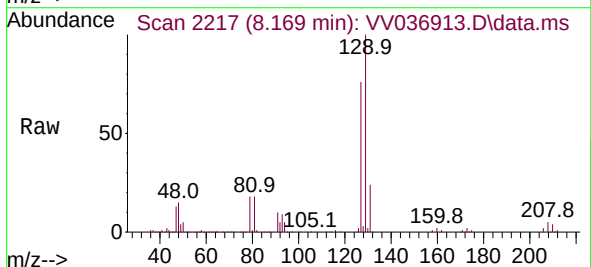
Acq: 13 Aug 2024 09:02

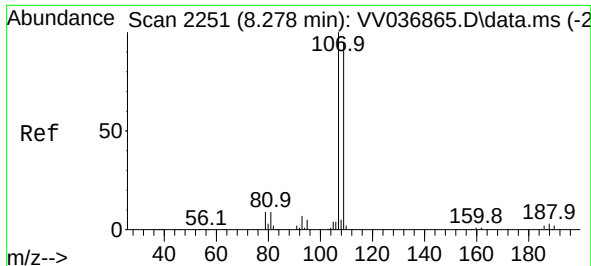
Tgt Ion:129 Resp: 267440

Ion Ratio Lower Upper

129 100

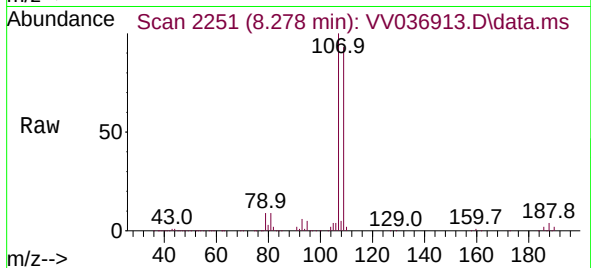
127 76.4 55.4 102.8



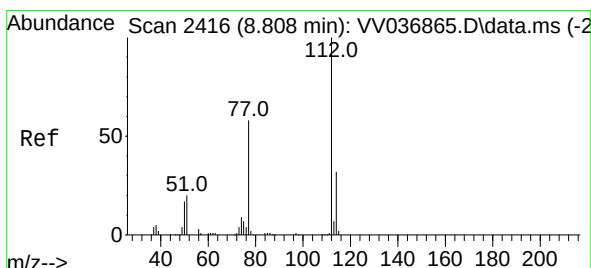
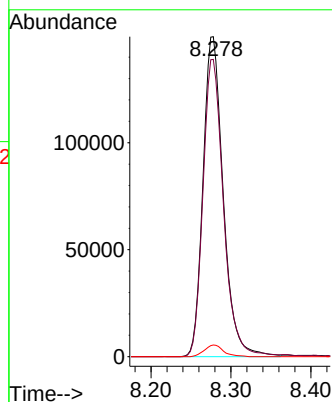
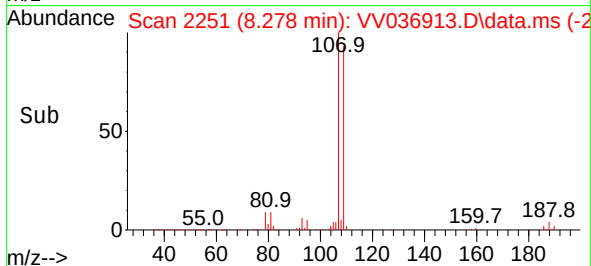


#50
1,2-Dibromoethane
Concen: 49.359 ug/L
RT: 8.278 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV036913.D
Acq: 13 Aug 2024 09:02

Instrument :
MSVOA_V
ClientSampleId :

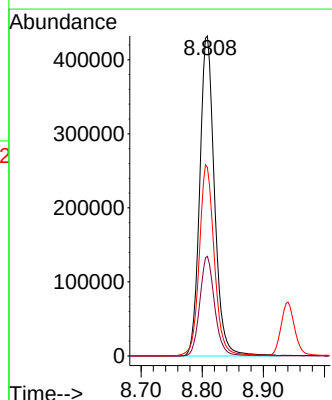
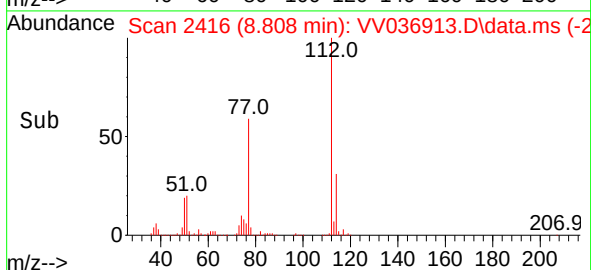
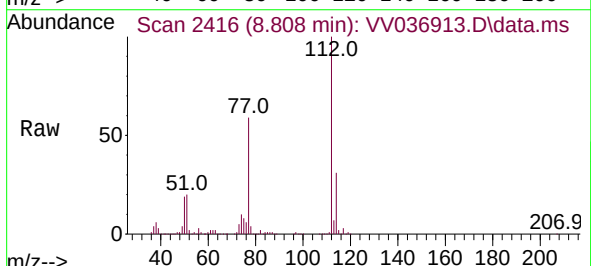


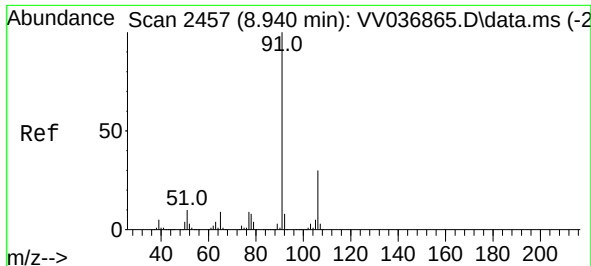
Tgt Ion:107 Resp: 263667
Ion Ratio Lower Upper
107 100
109 92.9 64.7 120.1
188 3.7 2.6 3.8



#51
Chlorobenzene
Concen: 52.912 ug/L
RT: 8.808 min Scan# 2416
Delta R.T. -0.000 min
Lab File: VV036913.D
Acq: 13 Aug 2024 09:02

Tgt Ion:112 Resp: 725711
Ion Ratio Lower Upper
112 100
114 31.2 22.3 41.5
77 58.9 48.9 73.3

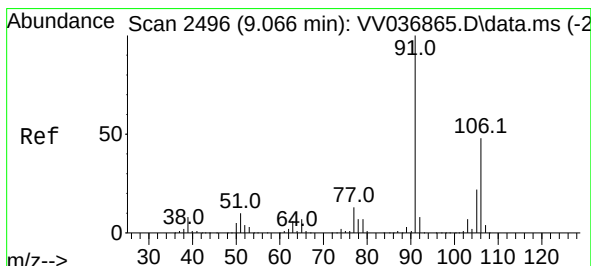
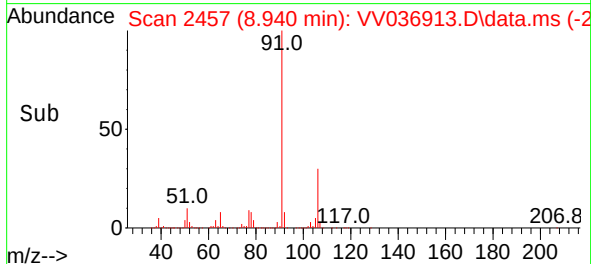
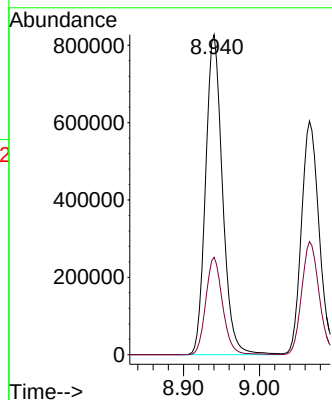
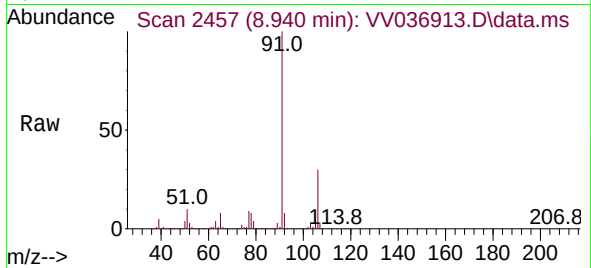




#52
Ethylbenzene
Concen: 52.361 ug/L
RT: 8.940 min Scan# 2457
Delta R.T. -0.000 min
Lab File: VV036913.D
Acq: 13 Aug 2024 09:02

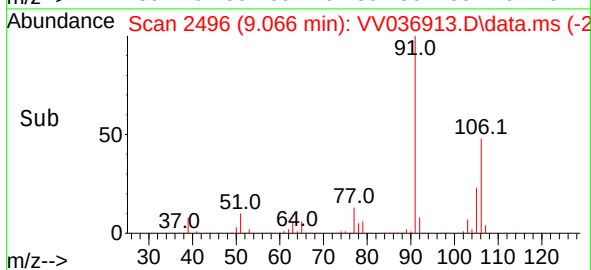
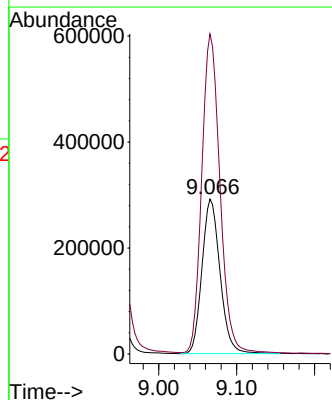
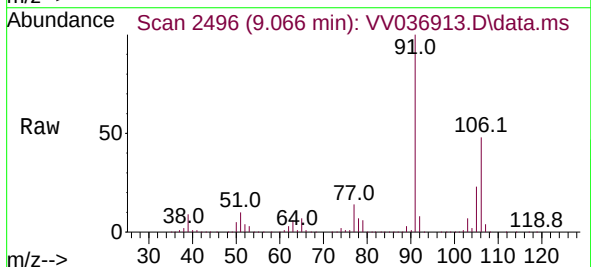
Instrument :
MSVOA_V
ClientSampleId :

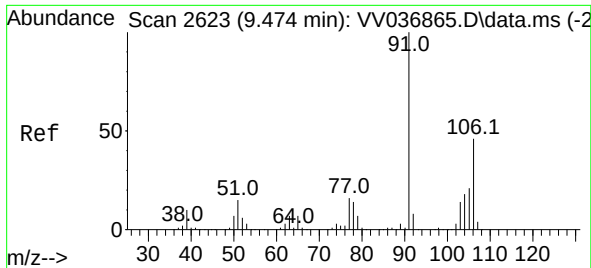
Tgt Ion: 91 Resp: 1277991
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.1



#53
m,p-Xylene
Concen: 51.508 ug/L
RT: 9.066 min Scan# 2496
Delta R.T. -0.000 min
Lab File: VV036913.D
Acq: 13 Aug 2024 09:02

Tgt Ion: 106 Resp: 469921
Ion Ratio Lower Upper
106 100
91 206.6 147.1 273.3

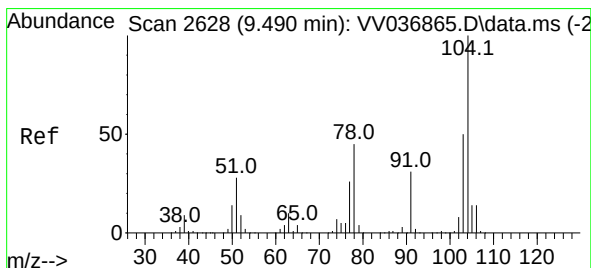
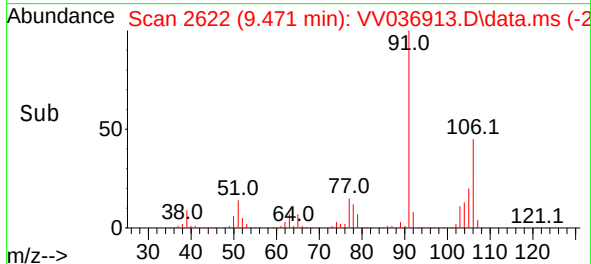
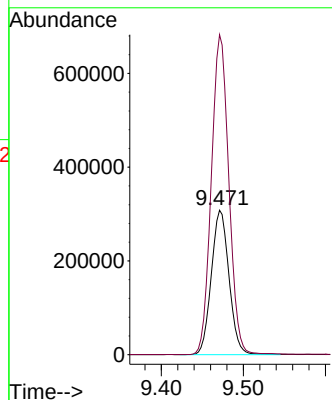
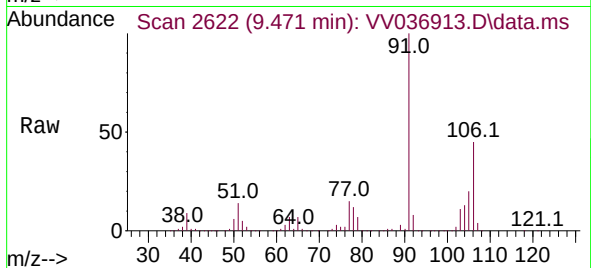




#54
o-Xylene
Concen: 51.886 ug/L
RT: 9.471 min Scan# 2623
Delta R.T. -0.000 min
Lab File: VV036913.D
Acq: 13 Aug 2024 09:02

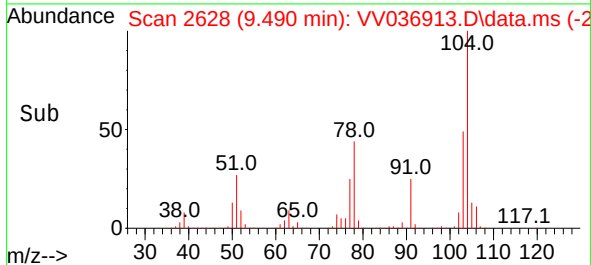
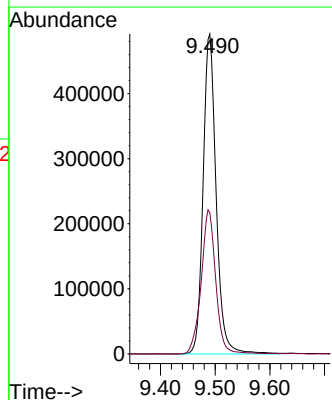
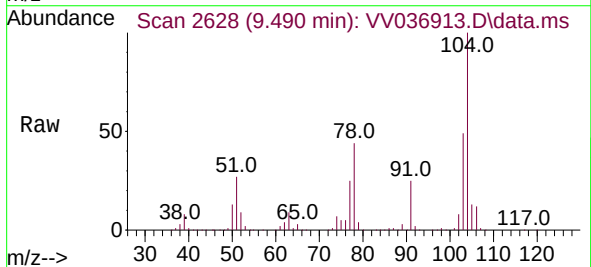
Instrument :
MSVOA_V
ClientSampleId :

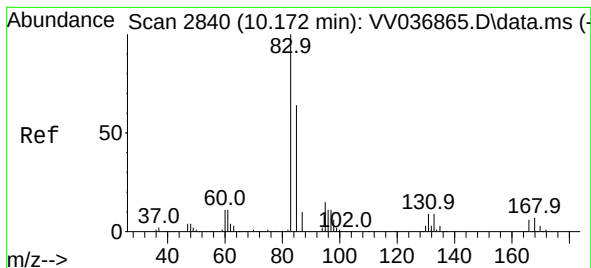
Tgt Ion:106 Resp: 462990
Ion Ratio Lower Upper
106 100
91 221.5 154.5 286.9



#55
Styrene
Concen: 53.159 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. -0.000 min
Lab File: VV036913.D
Acq: 13 Aug 2024 09:02

Tgt Ion:104 Resp: 812893
Ion Ratio Lower Upper
104 100
78 44.1 32.1 59.7

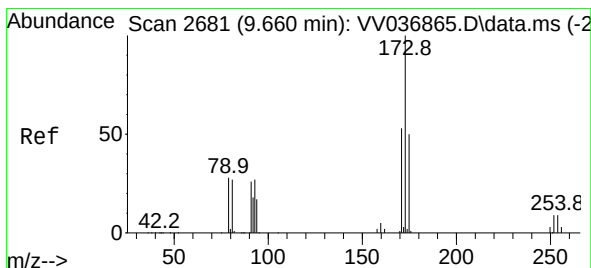
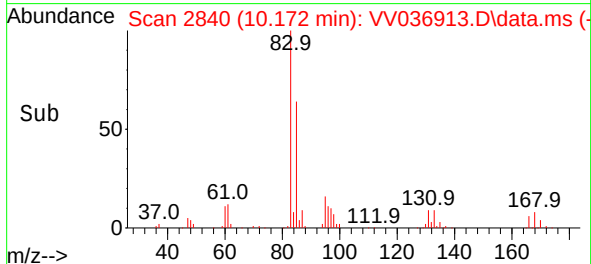
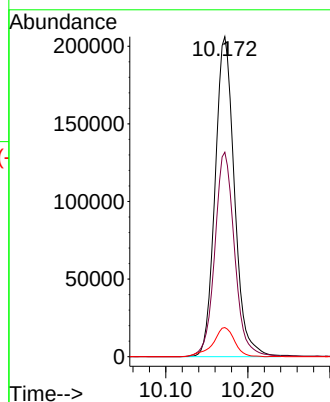
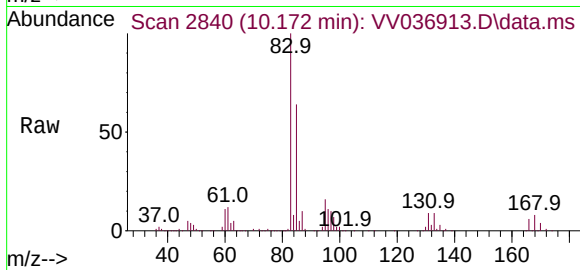




#57
1,1,2,2-Tetrachloroethane
Concen: 48.700 ug/L
RT: 10.172 min Scan# 2840
Delta R.T. -0.000 min
Lab File: VV036913.D
Acq: 13 Aug 2024 09:02

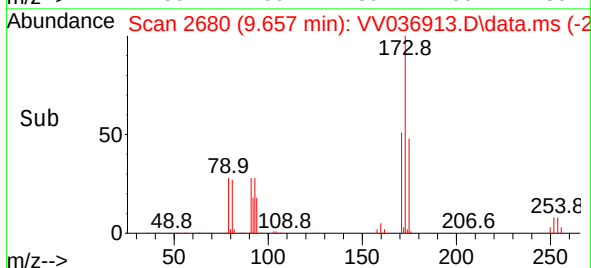
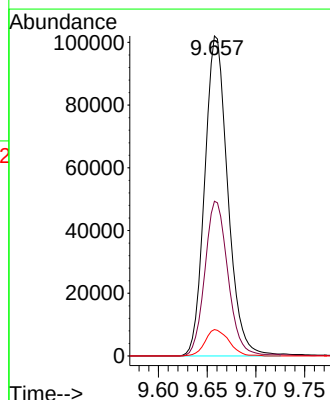
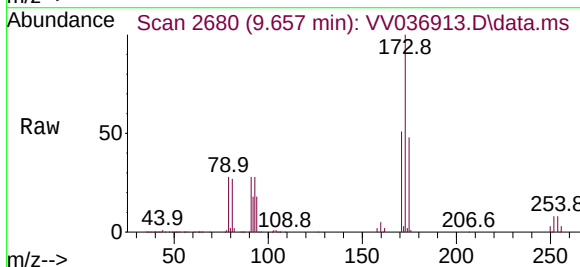
Instrument :
MSVOA_V
ClientSampleId :

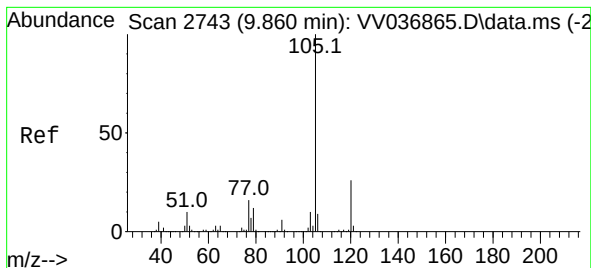
Tgt Ion: 83 Resp: 338318
Ion Ratio Lower Upper
83 100
85 63.9 44.7 83.1
131 9.1 7.2 10.8



#59
Bromoform
Concen: 44.367 ug/L
RT: 9.657 min Scan# 2680
Delta R.T. -0.000 min
Lab File: VV036913.D
Acq: 13 Aug 2024 09:02

Tgt Ion: 173 Resp: 168075
Ion Ratio Lower Upper
173 100
175 48.3 39.8 59.8
254 8.5 6.8 10.2





#60

Isopropylbenzene

Concen: 50.700 ug/L

RT: 9.860 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :

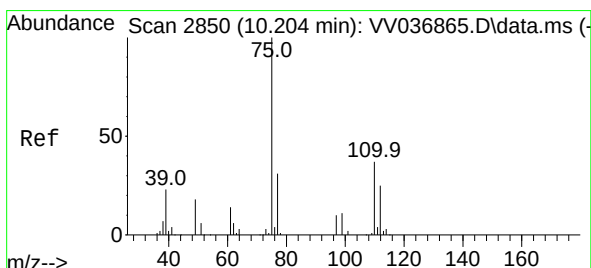
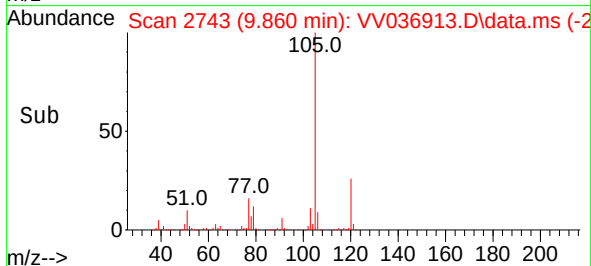
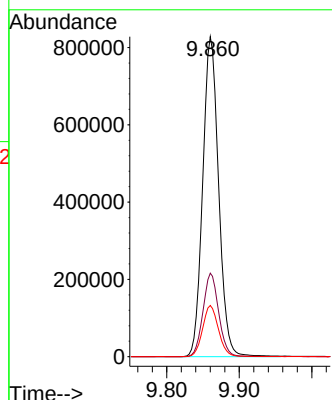
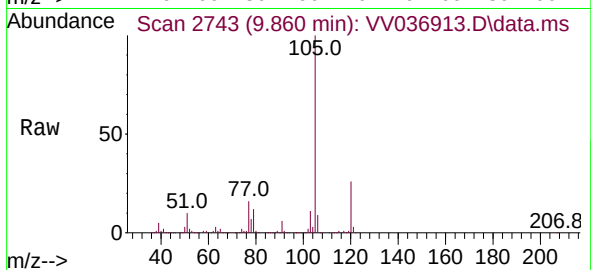
Tgt Ion:105 Resp: 1263949

Ion Ratio Lower Upper

105 100

120 25.7 20.3 30.5

77 15.8 13.1 19.7



#61

1,2,3-Trichloropropane

Concen: 44.012 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

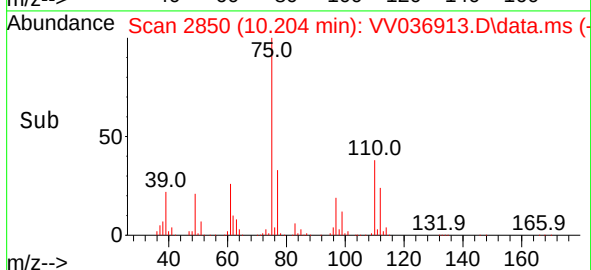
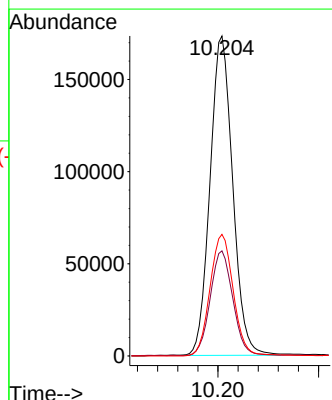
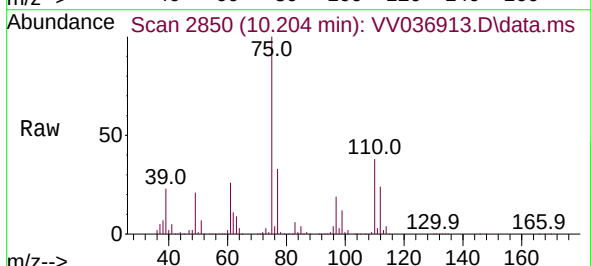
Tgt Ion: 75 Resp: 271304

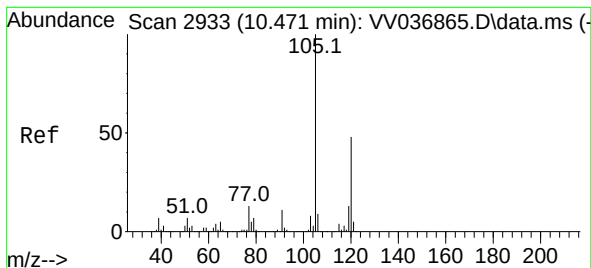
Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2

110 39.2 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 50.952 ug/L

RT: 10.468 min Scan# 2933

Delta R.T. -0.003 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Instrument :

MSVOA_V

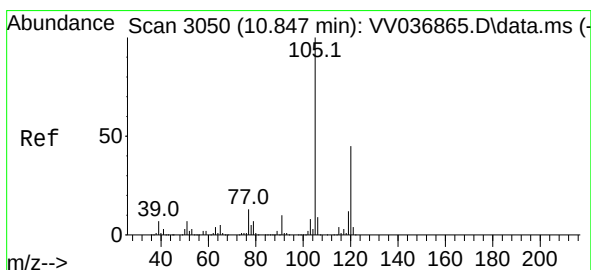
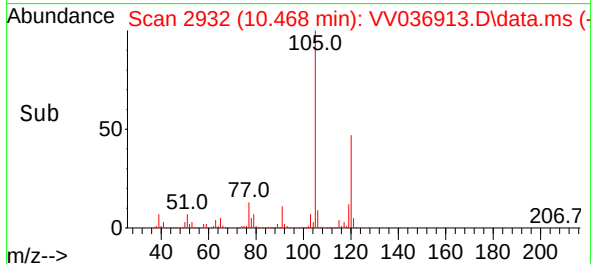
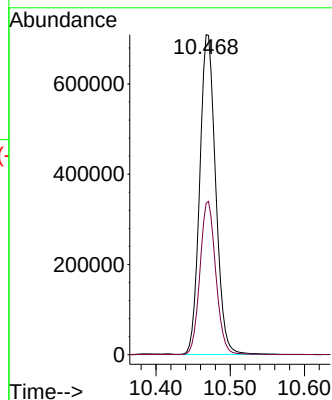
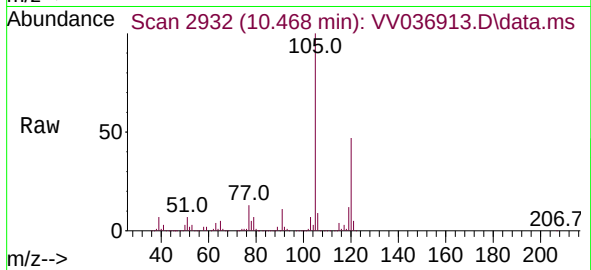
ClientSampleId :

Tgt Ion:105 Resp: 1057524

Ion Ratio Lower Upper

105 100

120 47.5 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 50.925 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VV036913.D

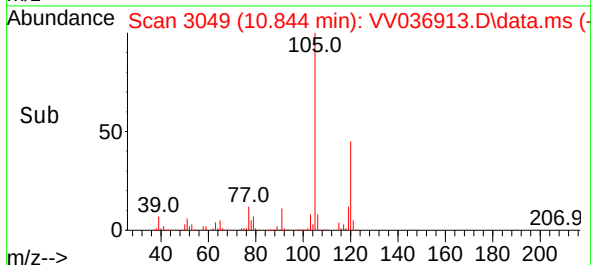
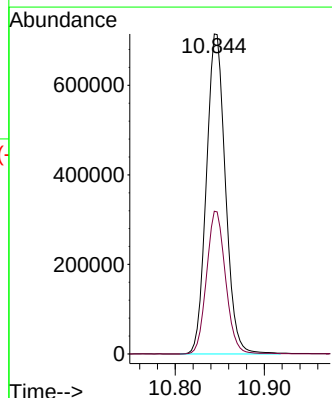
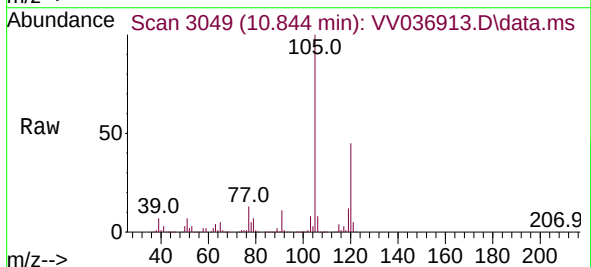
Acq: 13 Aug 2024 09:02

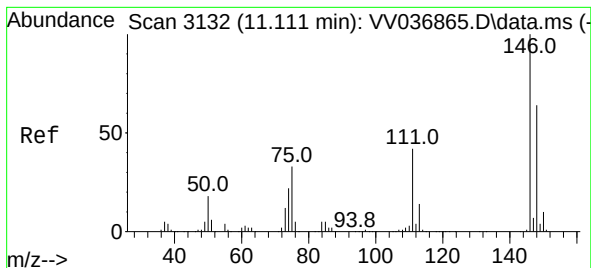
Tgt Ion:105 Resp: 1058045

Ion Ratio Lower Upper

105 100

120 44.5 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 52.604 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :

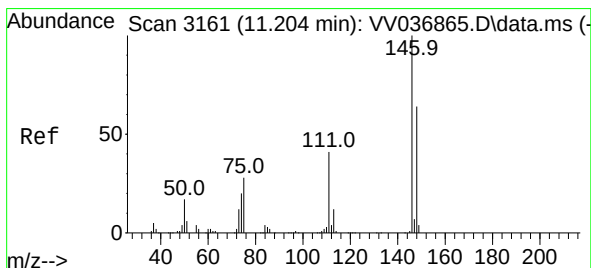
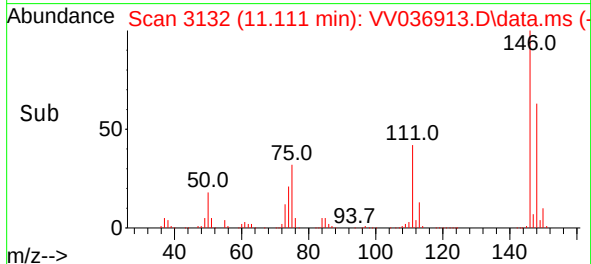
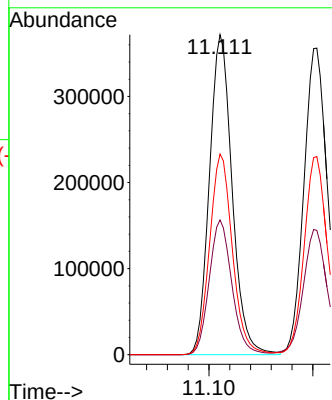
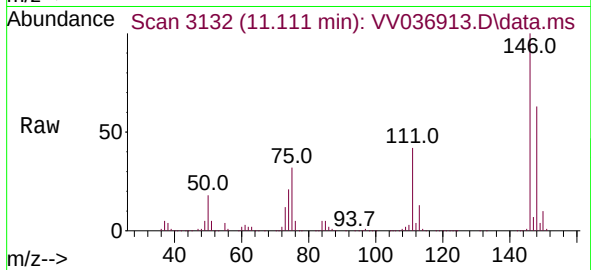
Tgt Ion:146 Resp: 563936

Ion Ratio Lower Upper

146 100

111 42.1 29.8 55.4

148 62.7 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 52.323 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

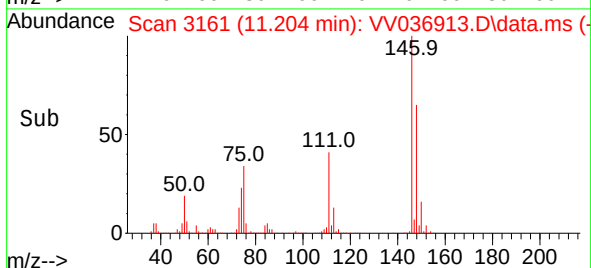
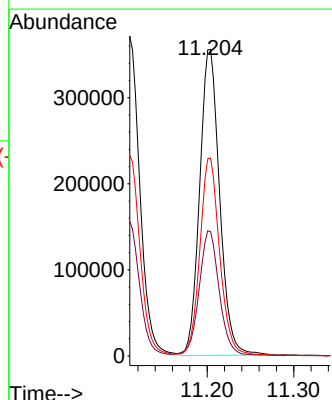
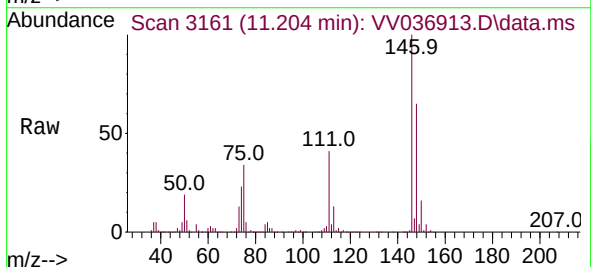
Tgt Ion:146 Resp: 570402

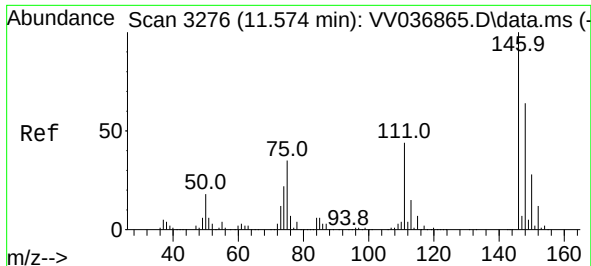
Ion Ratio Lower Upper

146 100

111 40.6 29.0 53.9

148 64.6 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 52.466 ug/L

RT: 11.574 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :

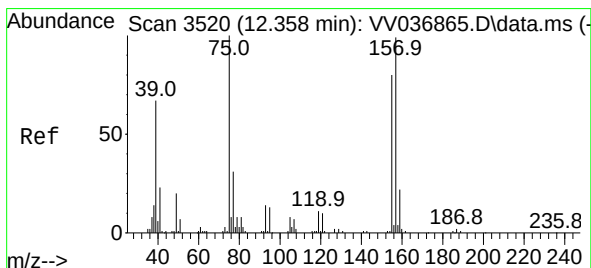
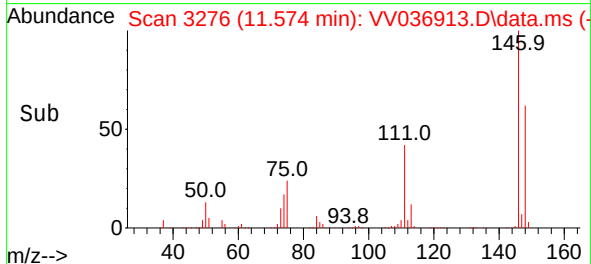
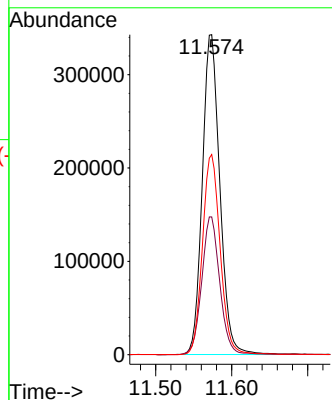
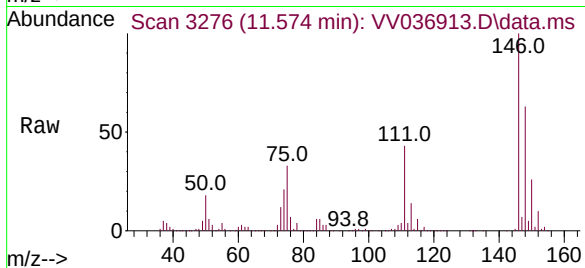
Tgt Ion:146 Resp: 549327

Ion Ratio Lower Upper

146 100

111 43.1 35.7 53.5

148 62.5 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 36.899 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

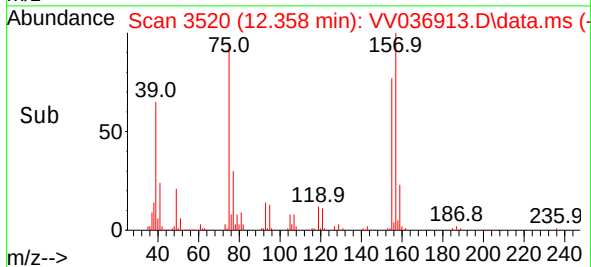
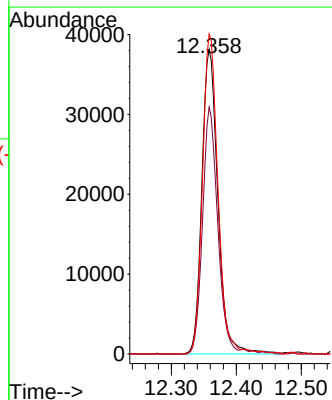
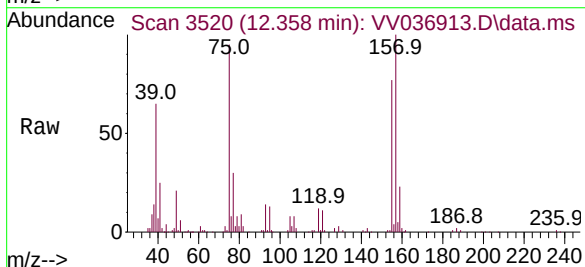
Tgt Ion: 75 Resp: 65731

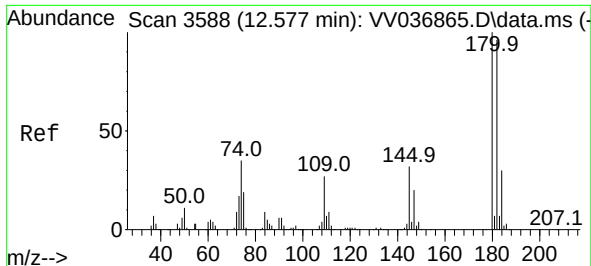
Ion Ratio Lower Upper

75 100

155 81.0 59.5 89.3

157 105.1 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 52.578 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.000 min

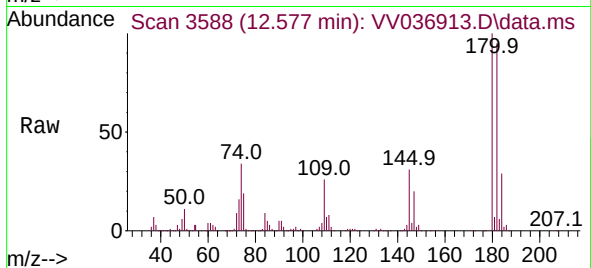
Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 400005

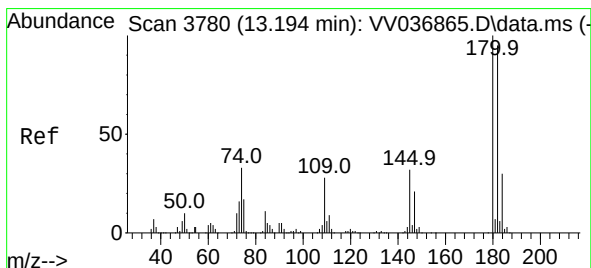
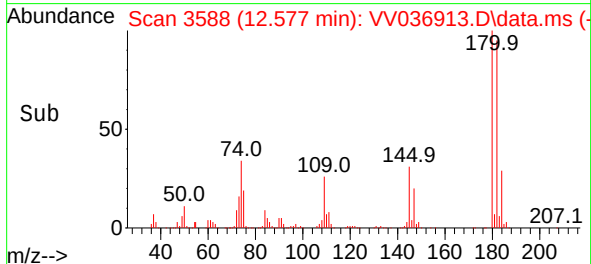
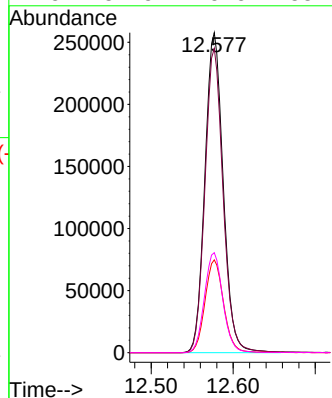
Ion Ratio Lower Upper

180 100

182 94.3 75.0 112.6

184 29.5 23.7 35.5

145 31.5 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 50.677 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

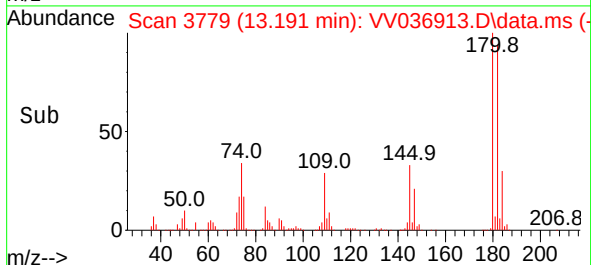
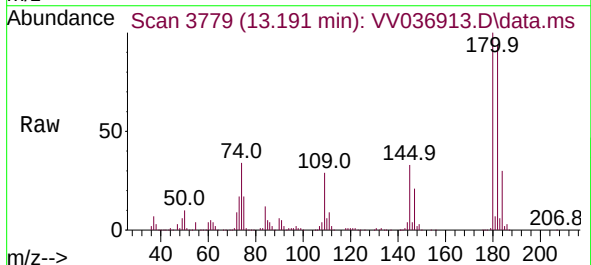
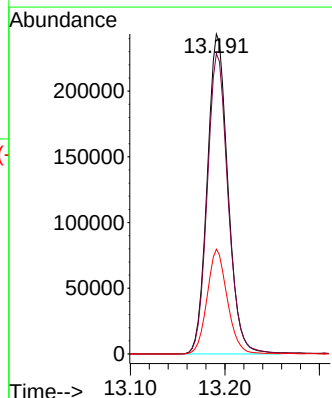
Tgt Ion:180 Resp: 369768

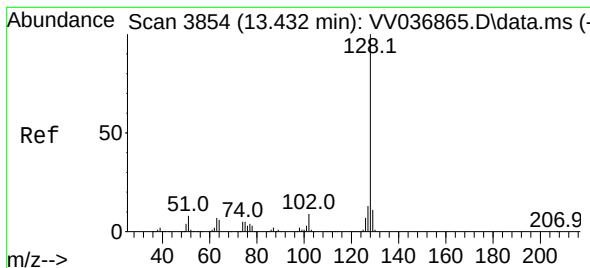
Ion Ratio Lower Upper

180 100

182 94.5 75.1 112.7

145 32.0 26.5 39.7





#71

Naphthalene

Concen: 42.095 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :

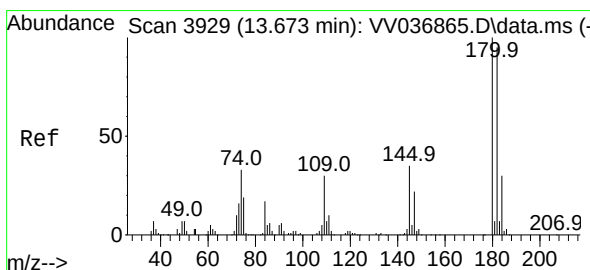
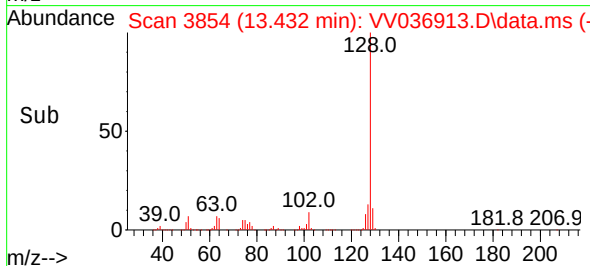
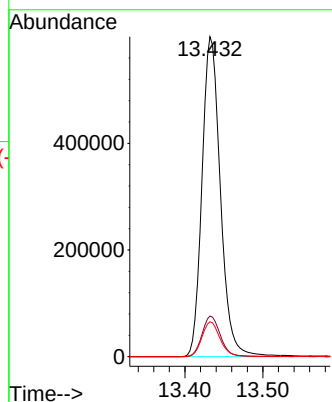
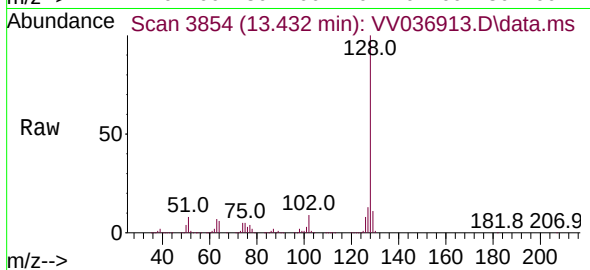
Tgt Ion:128 Resp: 984951

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 50.228 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. -0.000 min

Lab File: VV036913.D

Acq: 13 Aug 2024 09:02

Tgt Ion:180 Resp: 358747

Ion Ratio Lower Upper

180 100

182 93.6 76.2 114.2

145 34.3 27.8 41.6

