

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060724\
 Data File : VV036017.D
 Acq On : 07 Jun 2024 17:55
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 08 00:34:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 08 00:30:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	399721	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	401767	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	205249	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	147397	20.057	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.240%
7) Chloroethane-d5	1.529	69	125631	21.440	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.760%
11) 1,1-Dichloroethene-d2	2.053	65	66859	20.437	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.760%
21) 2-Butanone-d5	3.828	46	80957	48.014	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.020%
24) Chloroform-d	4.246	84	276758	21.778	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.120%
26) 1,2-Dichloroethane-d4	4.941	65	138985	20.860	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.440%
32) Benzene-d6	4.957	84	533550	22.341	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.360%
36) 1,2-Dichloropropane-d6	5.986	67	163856	21.787	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.160%
41) Toluene-d8	7.239	98	478121	22.690	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.760%
43) trans-1,3-Dichloroprop...	7.555	79	65302	21.177	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.720%
47) 2-Hexanone-d5	8.030	63	52572	51.594	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.180%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	118948	21.165	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.680%
66) 1,2-Dichlorobenzene-d4	11.558	152	161079	21.401	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	161463	22.403	ug/L	100
3) Chloromethane	1.211	50	201900	24.410	ug/L	100
5) Vinyl chloride	1.278	62	218598	25.104	ug/L	99
6) Bromomethane	1.484	94	131524	24.347	ug/L	99
8) Chloroethane	1.545	64	136384	25.198	ug/L	98
9) Trichlorofluoromethane	1.709	101	276984	25.614	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	175790	25.614	ug/L	100
12) 1,1-Dichloroethene	2.063	96	160153	25.020	ug/L	98
13) Acetone	2.384	43	79881	30.414	ug/L	69
14) Carbon disulfide	2.233	76	530413	23.862	ug/L	100
15) Methyl Acetate	2.384	43	90153	27.615	ug/L	96
16) Methylene chloride	2.442	84	213210	23.572	ug/L	100
17) trans-1,2-Dichloroethene	2.690	96	171316	25.195	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	387389	25.378	ug/L	99
19) 1,1-Dichloroethane	3.108	63	331413	25.594	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	174141	25.488	ug/L	99
22) 2-Butanone	3.905	43	84205	37.784	ug/L	# 73
23) Bromochloromethane	4.146	128	84922	24.779	ug/L	98
25) Chloroform	4.272	83	334617	25.121	ug/L	98

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Quant Time: Jun 08 00:34:21 2024
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 Quant Title : VOC Analysis
 QLast Update : Sat Jun 08 00:30:25 2024
 Response via : Initial Calibration

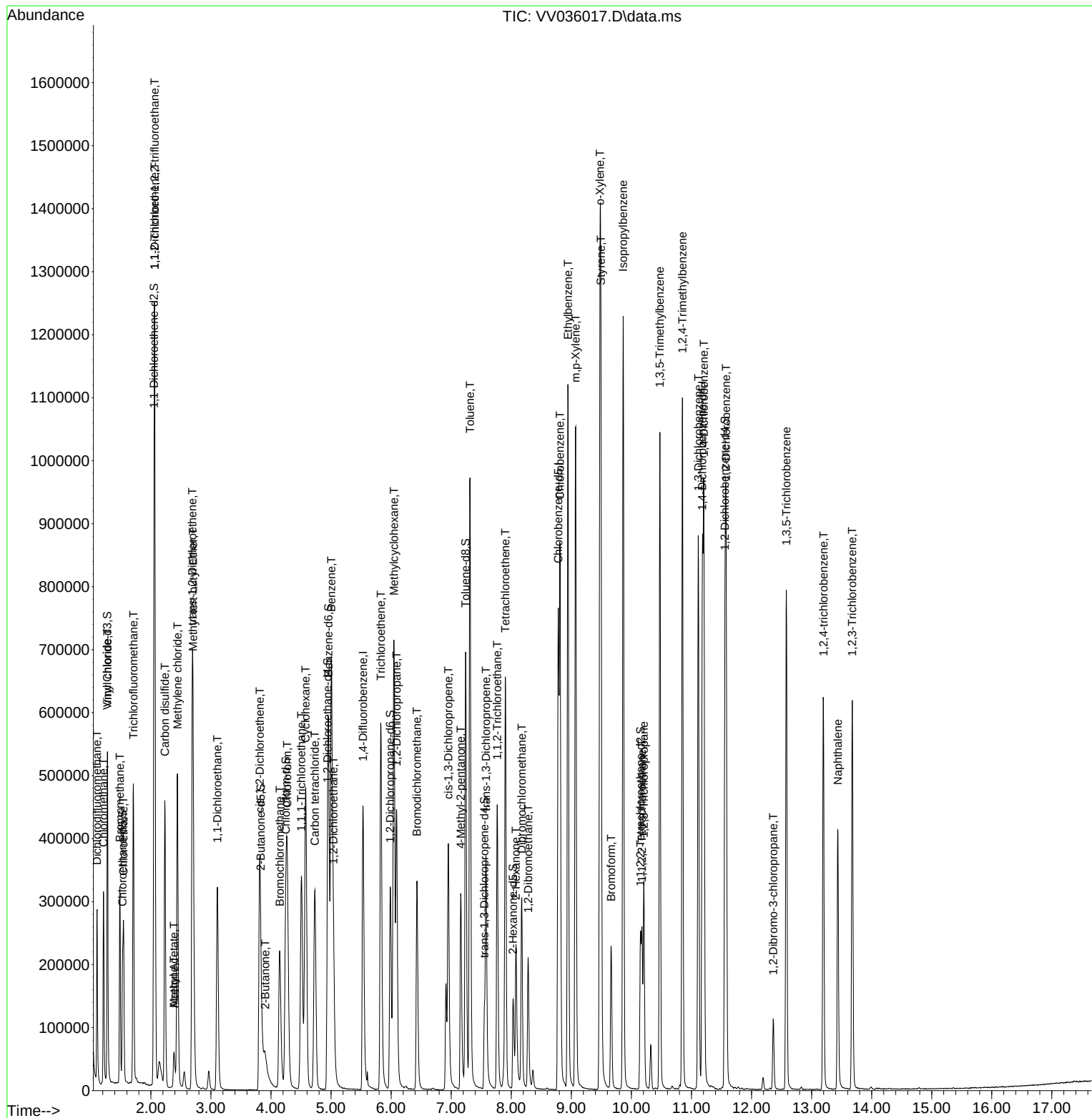
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	212688	25.576	ug/L	100
29) Cyclohexane	4.577	56	256727	26.838	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	283410	25.803	ug/L	99
31) Carbon tetrachloride	4.732	117	249595	25.903	ug/L	100
33) Benzene	5.005	78	698619	26.587	ug/L	100
34) Trichloroethene	5.831	95	211318	26.239	ug/L	99
35) Methylcyclohexane	6.047	83	295559	26.538	ug/L	99
37) 1,2-Dichloropropane	6.092	63	181083	26.245	ug/L	100
38) Bromodichloromethane	6.429	83	230270	25.215	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	258247	25.025	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	215646	57.526	ug/L	99
42) Toluene	7.313	91	734121	27.341	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	227275	25.497	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	141931	24.861	ug/L	97
46) Tetrachloroethene	7.902	164	147232	24.997	ug/L	99
48) 2-Hexanone	8.079	43	151830	51.808	ug/L	98
49) Dibromochloromethane	8.175	129	157028	25.132	ug/L	99
50) 1,2-Dibromoethane	8.281	107	139598	25.484	ug/L	99
51) Chlorobenzene	8.812	112	459377	25.110	ug/L	100
52) Ethylbenzene	8.944	91	775043	26.980	ug/L	99
53) m,p-Xylene	9.072	106	290044	26.871	ug/L	98
54) o-Xylene	9.477	106	271793	26.701	ug/L	98
55) Styrene	9.493	104	493712	27.504	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	124053	24.267	ug/L	99
59) Bromoform	9.664	173	101689	26.271	ug/L	100
60) Isopropylbenzene	9.863	105	758560	28.807	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	135430	27.899	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	530747	27.796	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	571976	27.802	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	350599	25.353	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	359961	25.219	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	328111	25.214	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	29464	27.143	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	244374	23.625	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	193822	23.798	ug/L	99
71) Naphthalene	13.435	128	330390	24.857	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	184098	24.770	ug/L	99

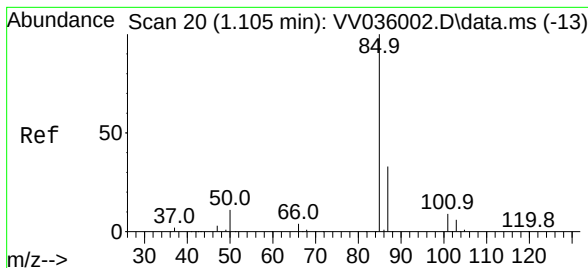
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Data File : VV036017.D
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 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 08 00:34:21 2024
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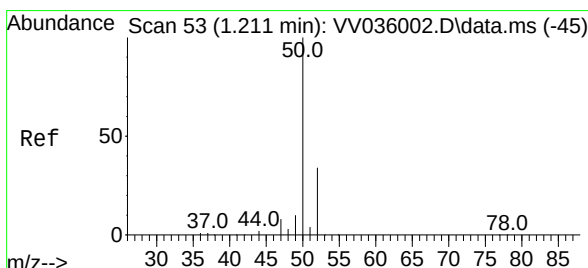
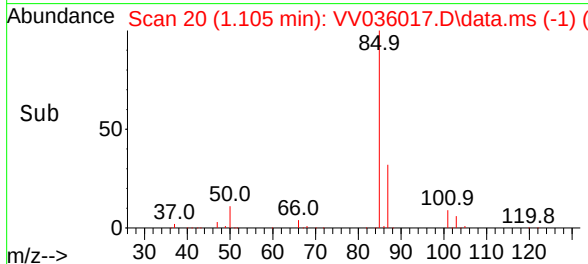
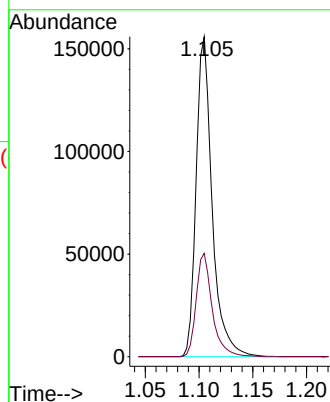
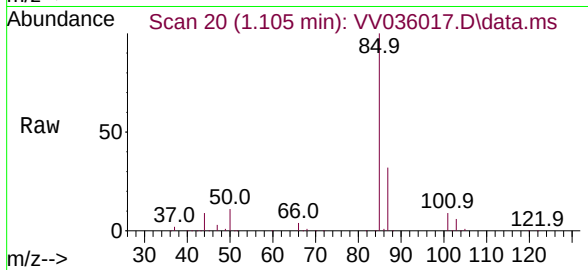




#2
 Dichlorodifluoromethane
 Concen: 22.403 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV036017.D
 Acq: 07 Jun 2024 17:55

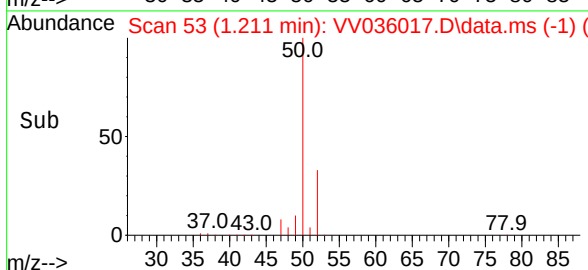
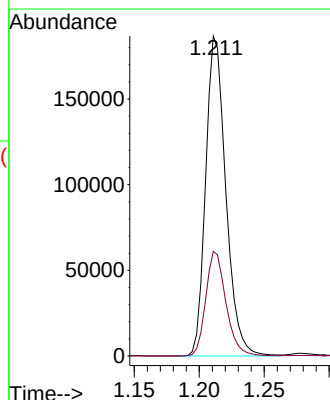
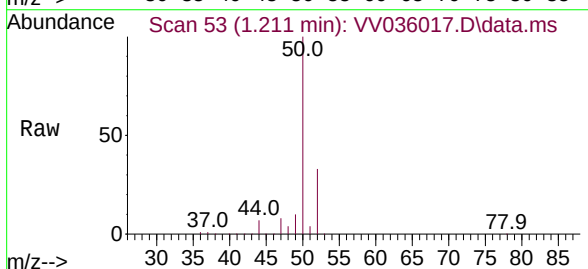
Instrument :
 MSVOA_V
 ClientSampleId :

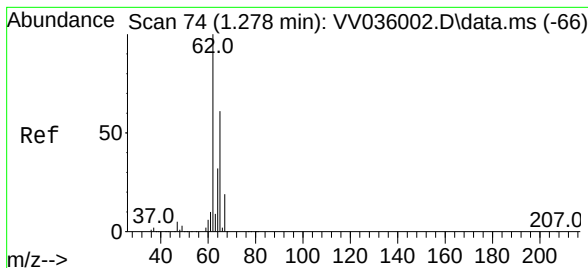
Tgt Ion: 85 Resp: 161463
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.9 38.9



#3
 Chloromethane
 Concen: 24.410 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. 0.000 min
 Lab File: VV036017.D
 Acq: 07 Jun 2024 17:55

Tgt Ion: 50 Resp: 201900
 Ion Ratio Lower Upper
 50 100
 52 32.7 22.8 42.4





#5

Vinyl chloride

Concen: 25.104 ug/L

RT: 1.278 min Scan# 74

Delta R.T. 0.000 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Instrument :

MSVOA_V

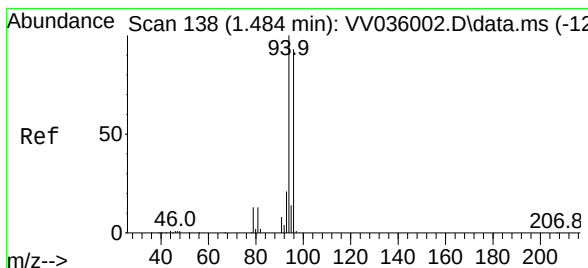
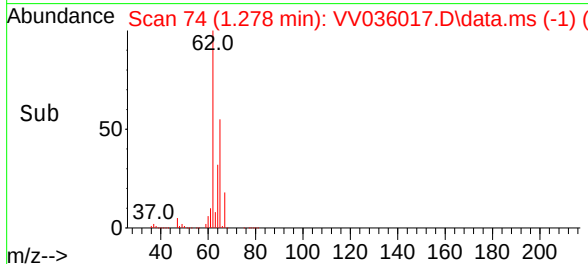
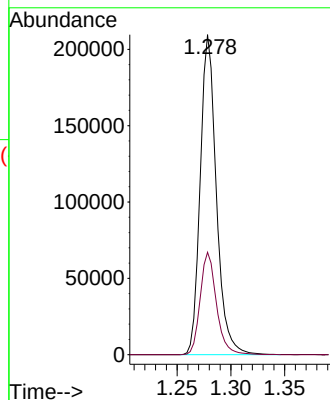
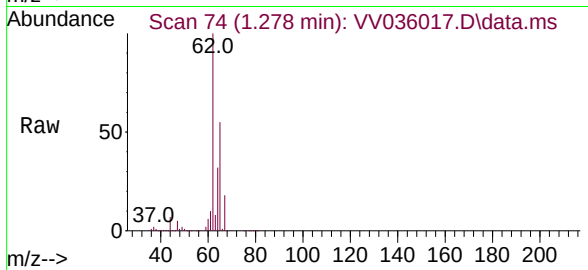
ClientSampleId :

Tgt Ion: 62 Resp: 218598

Ion Ratio Lower Upper

62 100

64 32.0 22.9 42.5



#6

Bromomethane

Concen: 24.347 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.000 min

Lab File: VV036017.D

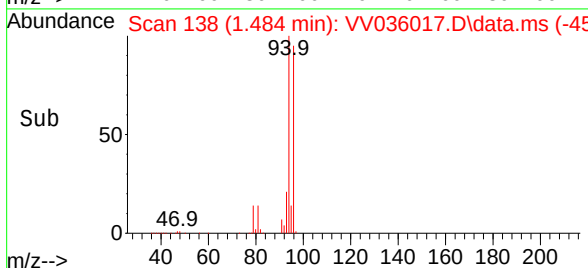
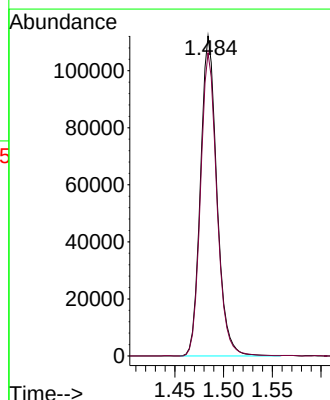
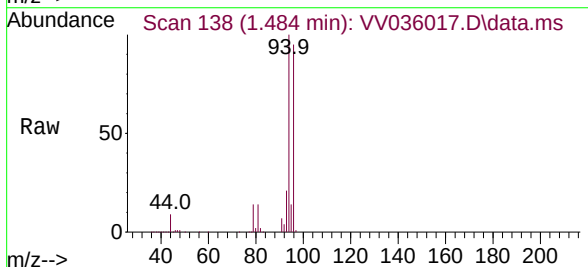
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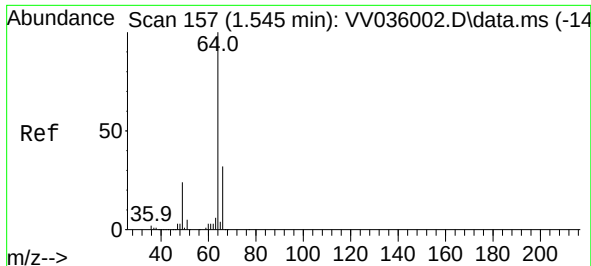
Tgt Ion: 94 Resp: 131524

Ion Ratio Lower Upper

94 100

96 94.7 65.7 122.1

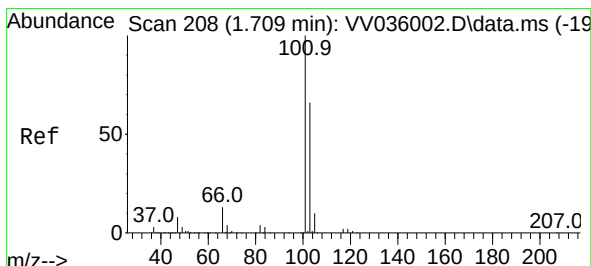
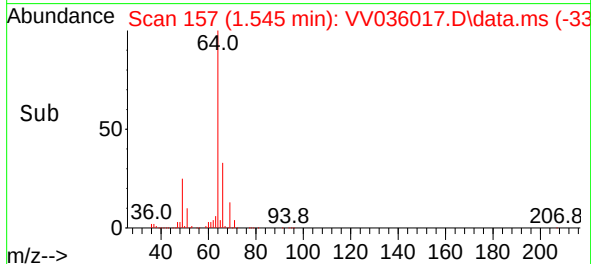
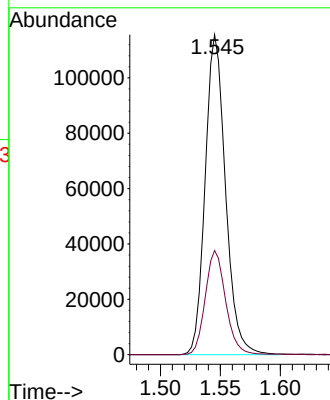
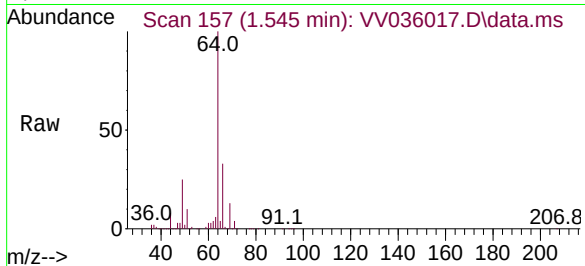




#8
Chloroethane
Concen: 25.198 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.000 min
Lab File: VV036017.D
Acq: 07 Jun 2024 17:55

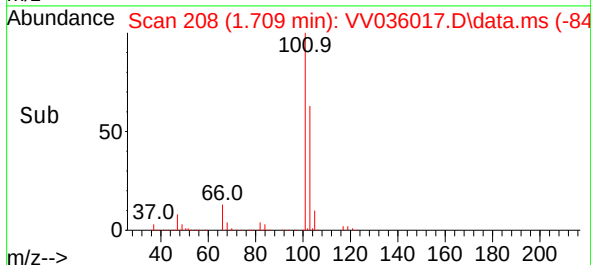
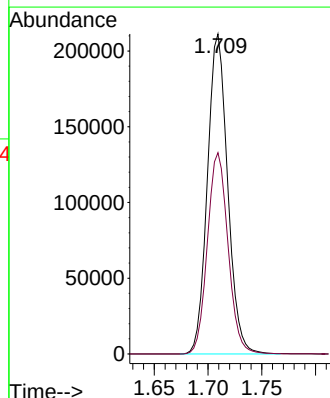
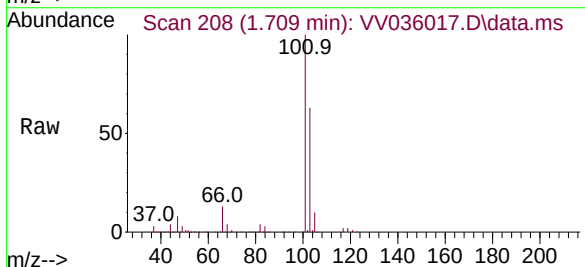
Instrument :
MSVOA_V
ClientSampleId :

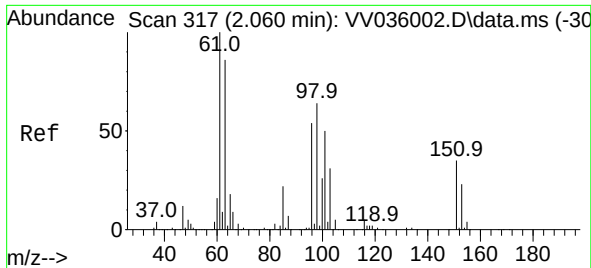
Tgt Ion: 64 Resp: 136384
Ion Ratio Lower Upper
64 100
66 32.6 22.0 41.0



#9
Trichlorofluoromethane
Concen: 25.614 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV036017.D
Acq: 07 Jun 2024 17:55

Tgt Ion:101 Resp: 276984
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.8





#10

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

Concen: 25.614 ug/L

RT: 2.063 min Scan# 317

Delta R.T. 0.003 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Instrument :

MSVOA_V

ClientSampleId :

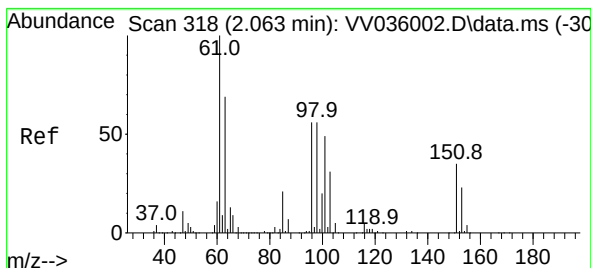
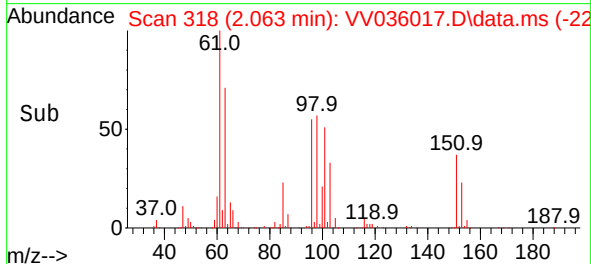
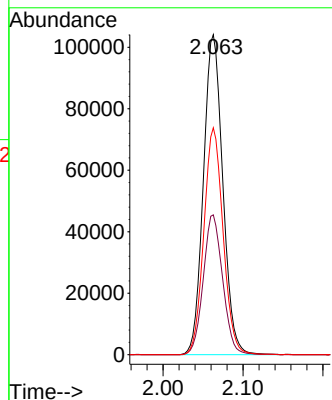
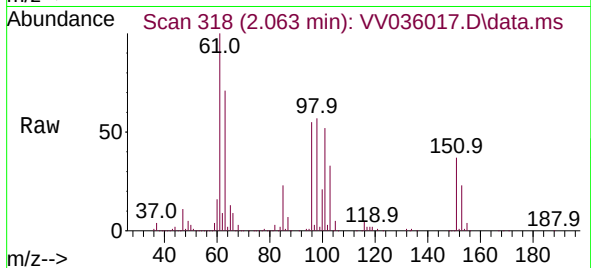
Tgt Ion:101 Resp: 175790

Ion Ratio Lower Upper

101 100

85 43.6 34.5 51.7

151 70.3 56.3 84.5



#12

1,1-Dichloroethene

Concen: 25.020 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

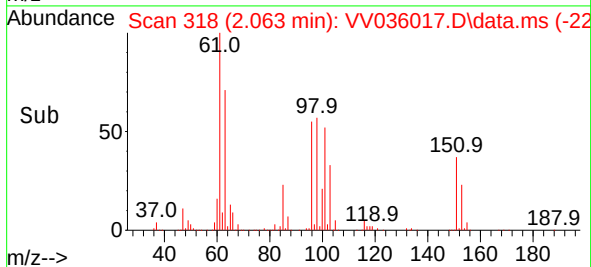
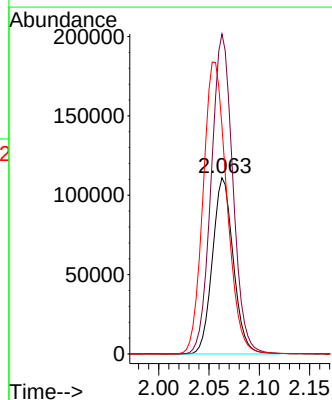
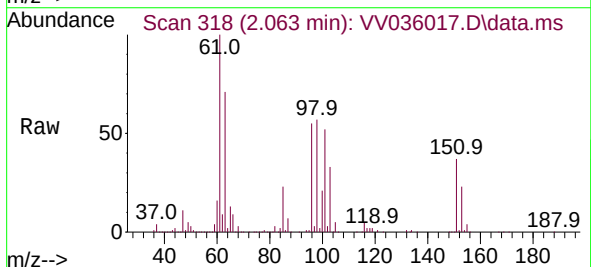
Tgt Ion: 96 Resp: 160153

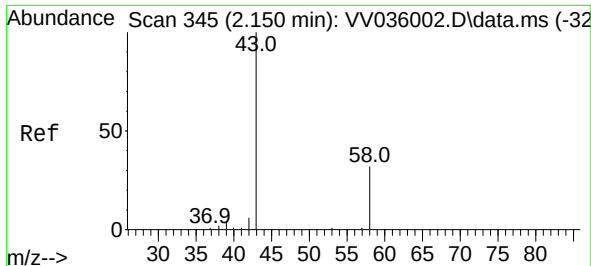
Ion Ratio Lower Upper

96 100

61 181.6 127.3 236.3

63 129.2 93.7 173.9





#13

Acetone

Concen: 30.414 ug/L

RT: 2.384 min Scan# 418

Delta R.T. 0.235 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Instrument :

MSVOA_V

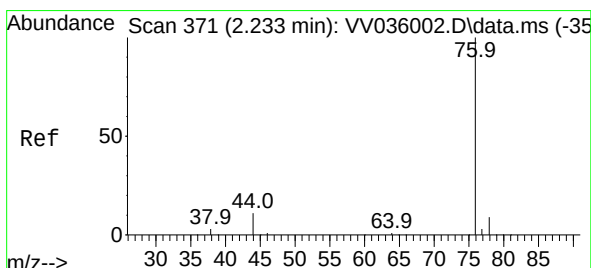
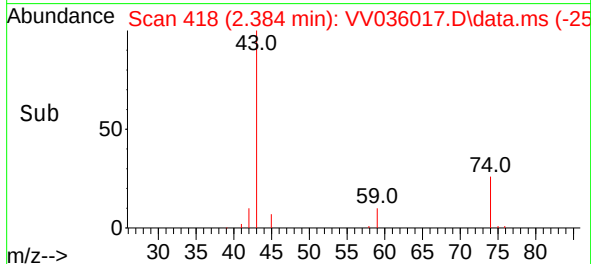
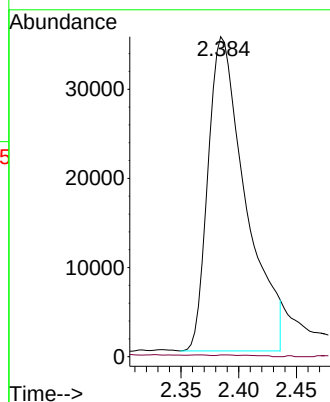
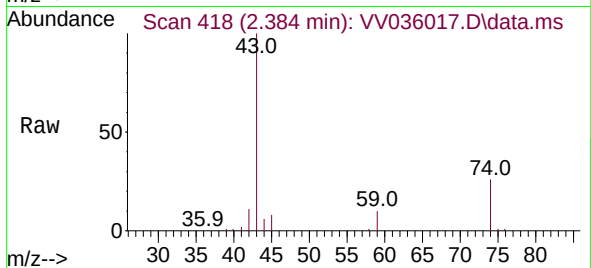
ClientSampleId :

Tgt Ion: 43 Resp: 79881

Ion Ratio Lower Upper

43 100

58 0.1 0.0 24.2



#14

Carbon disulfide

Concen: 23.862 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.000 min

Lab File: VV036017.D

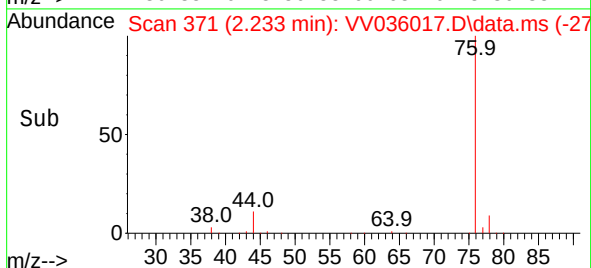
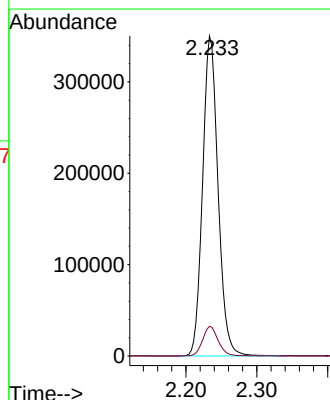
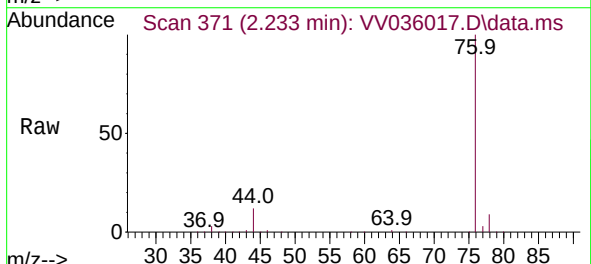
Acq: 07 Jun 2024 17:55

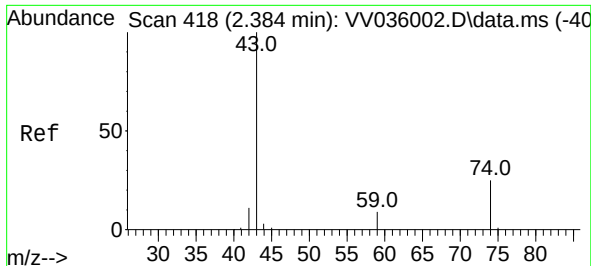
Tgt Ion: 76 Resp: 530413

Ion Ratio Lower Upper

76 100

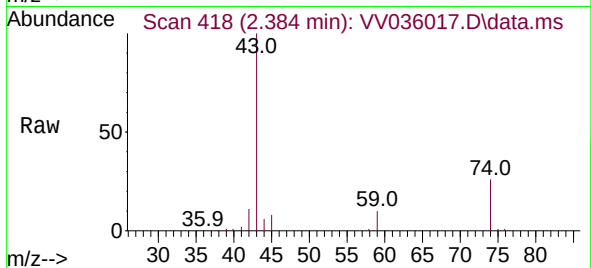
78 9.3 7.4 11.2



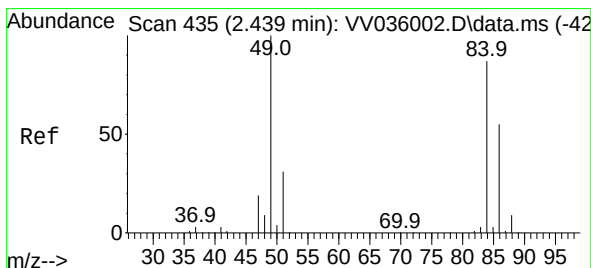
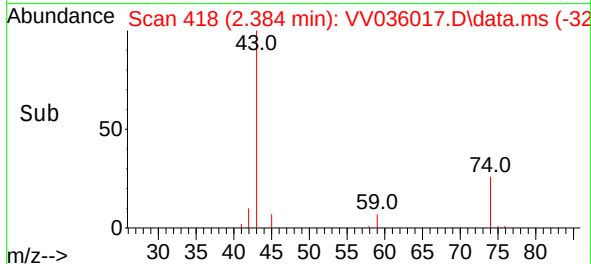
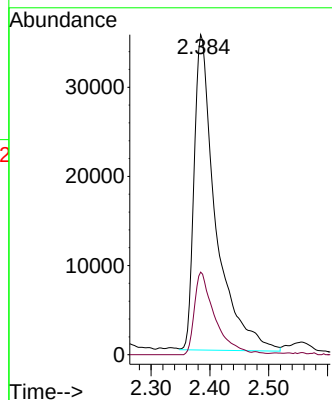


#15
Methyl Acetate
Concen: 27.615 ug/L
RT: 2.384 min Scan# 418
Delta R.T. 0.000 min
Lab File: VV036017.D
Acq: 07 Jun 2024 17:55

Instrument :
MSVOA_V
ClientSampleId :

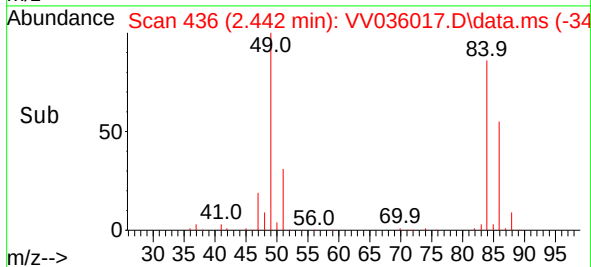
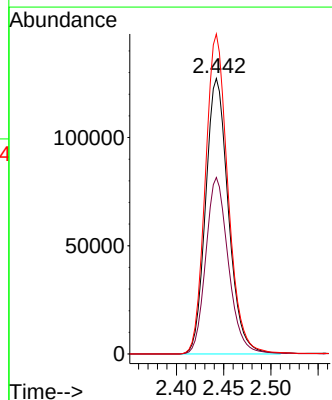
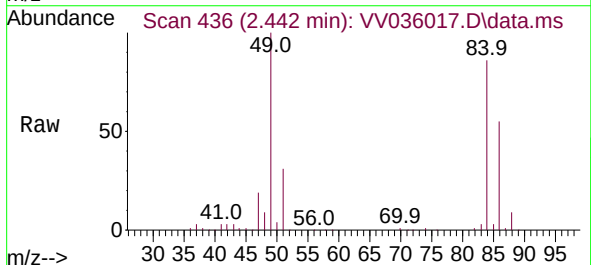


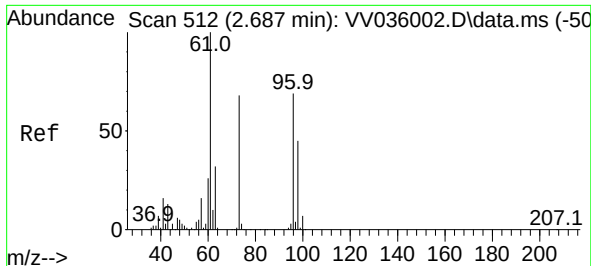
Tgt Ion: 43 Resp: 90153
Ion Ratio Lower Upper
43 100
74 24.6 21.4 32.2



#16
Methylene chloride
Concen: 23.572 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.003 min
Lab File: VV036017.D
Acq: 07 Jun 2024 17:55

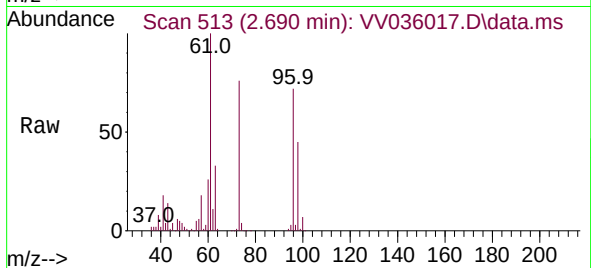
Tgt Ion: 84 Resp: 213210
Ion Ratio Lower Upper
84 100
86 64.0 44.6 82.8
49 116.1 81.1 150.5



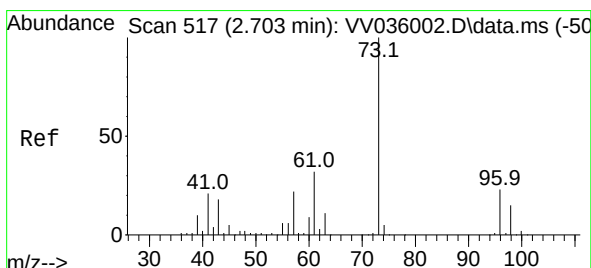
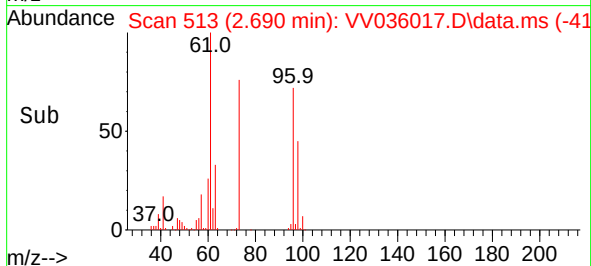
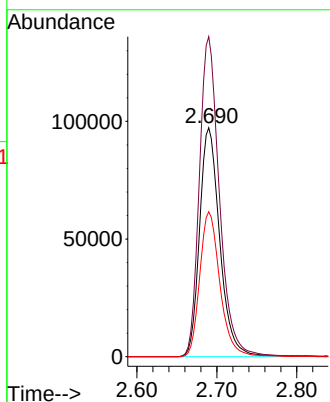


#17
trans-1,2-Dichloroethene
Concen: 25.195 ug/L
RT: 2.690 min Scan# 512
Delta R.T. 0.003 min
Lab File: VV036017.D
Acq: 07 Jun 2024 17:55

Instrument :
MSVOA_V
ClientSampleId :

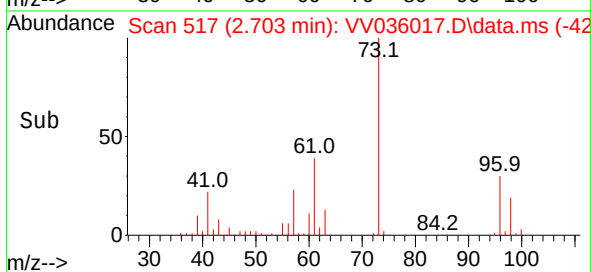
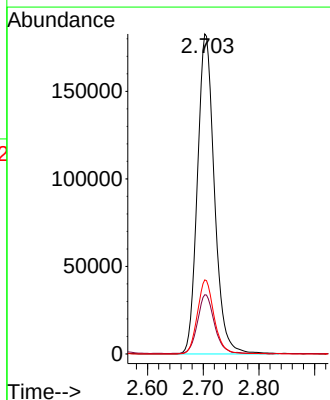
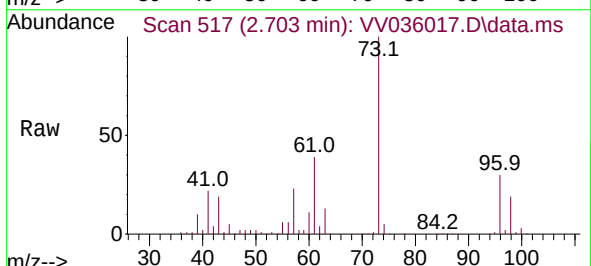


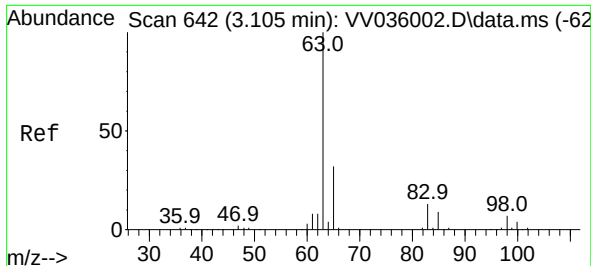
Tgt Ion: 96 Resp: 171316
Ion Ratio Lower Upper
96 100
61 139.8 99.4 184.6
98 63.3 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 25.378 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV036017.D
Acq: 07 Jun 2024 17:55

Tgt Ion: 73 Resp: 387389
Ion Ratio Lower Upper
73 100
43 18.0 14.3 21.5
57 22.6 17.8 26.6





#19

1,1-Dichloroethane

Concen: 25.594 ug/L

RT: 3.108 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Instrument :

MSVOA_V

ClientSampleId :

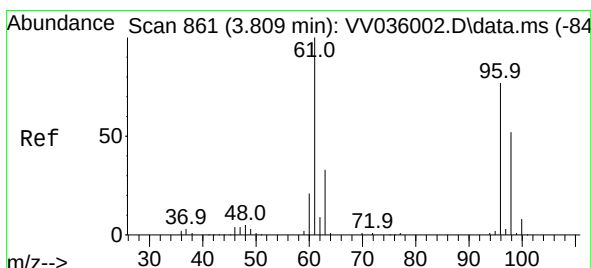
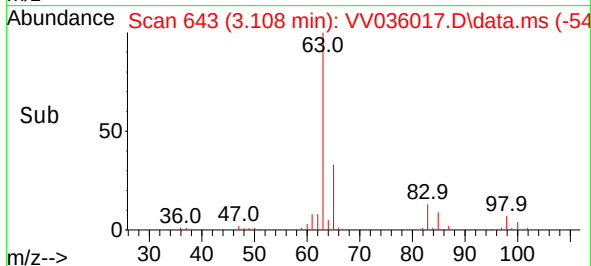
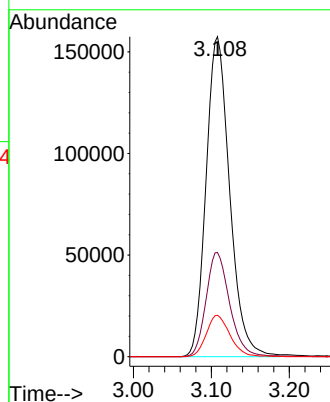
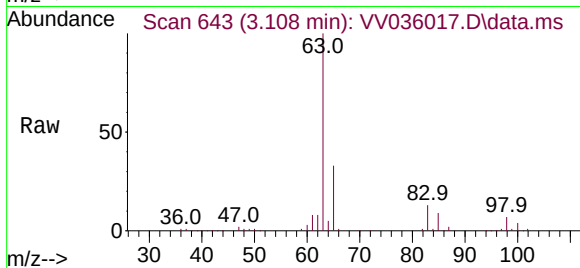
Tgt Ion: 63 Resp: 331413

Ion Ratio Lower Upper

63 100

65 32.5 22.4 41.6

83 13.0 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 25.488 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.003 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

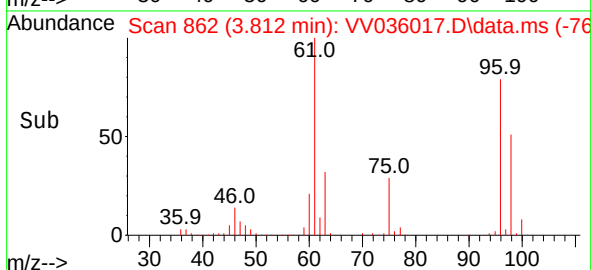
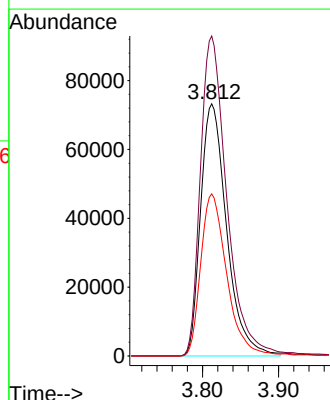
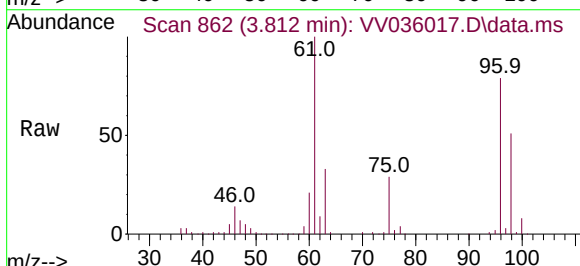
Tgt Ion: 96 Resp: 174141

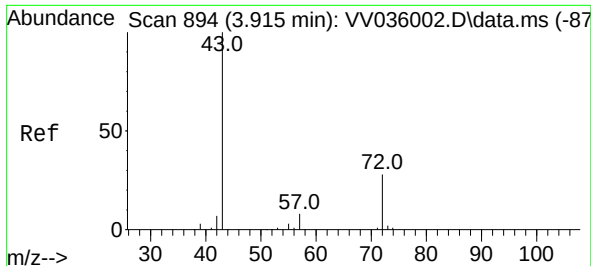
Ion Ratio Lower Upper

96 100

61 126.9 87.9 163.3

98 64.3 44.4 82.5

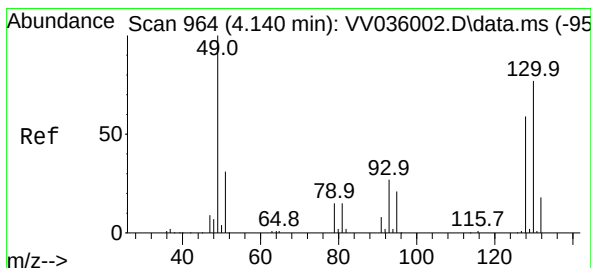
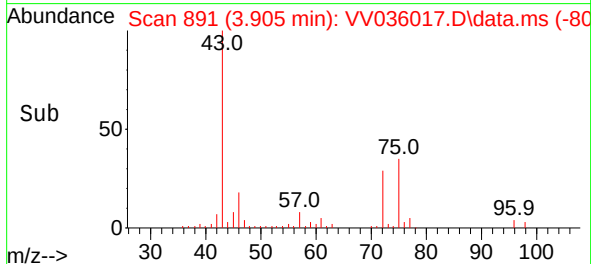
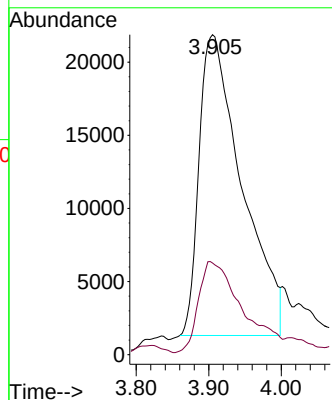
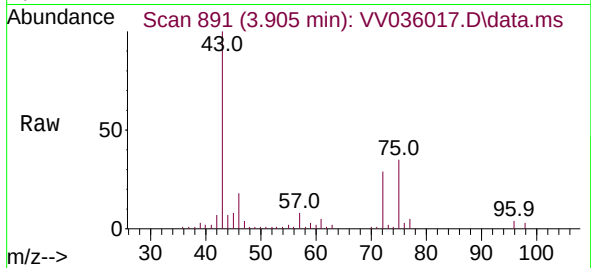




#22
2-Butanone
Concen: 37.784 ug/L
RT: 3.905 min Scan# 894
Delta R.T. -0.010 min
Lab File: VV036017.D
Acq: 07 Jun 2024 17:55

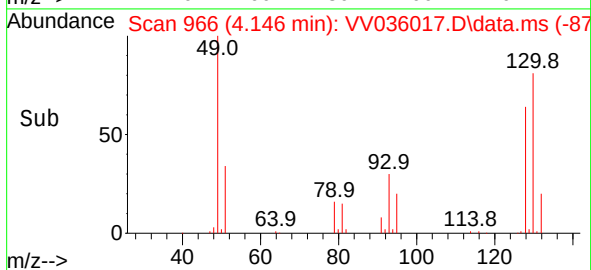
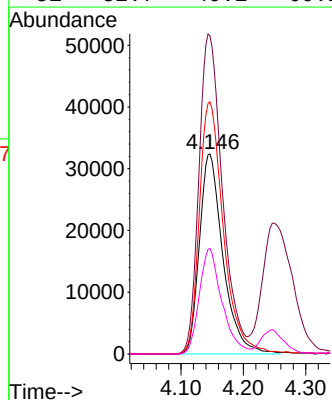
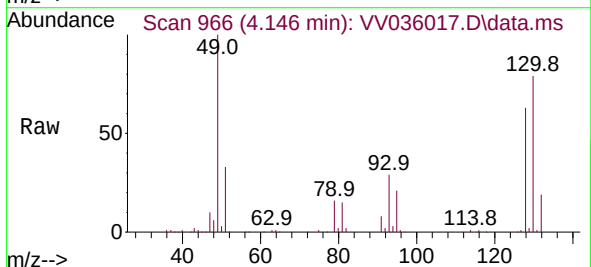
Instrument :
MSVOA_V
ClientSampleId :

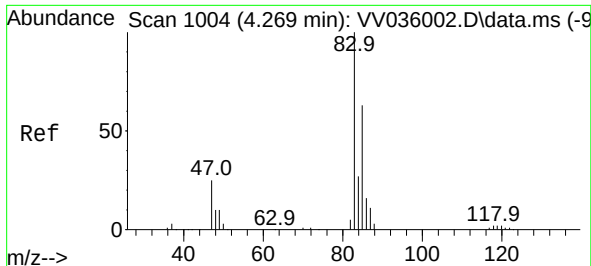
Tgt Ion: 43 Resp: 84205
Ion Ratio Lower Upper
43 100
72 27.6 8.2 24.4#



#23
Bromochloromethane
Concen: 24.779 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.006 min
Lab File: VV036017.D
Acq: 07 Jun 2024 17:55

Tgt Ion:128 Resp: 84922
Ion Ratio Lower Upper
128 100
49 158.9 110.2 204.6
130 126.1 90.2 167.4
51 52.7 40.2 60.2





#25

Chloroform

Concen: 25.121 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Instrument :

MSVOA_V

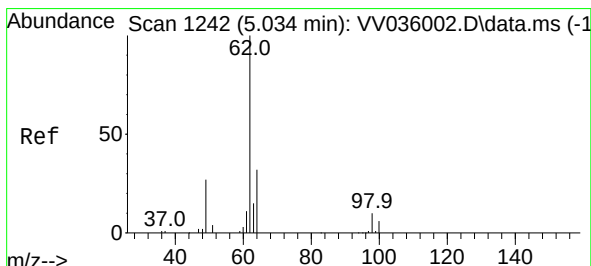
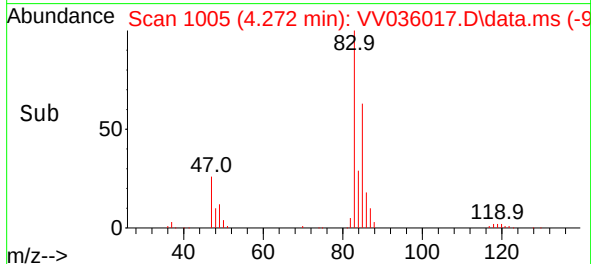
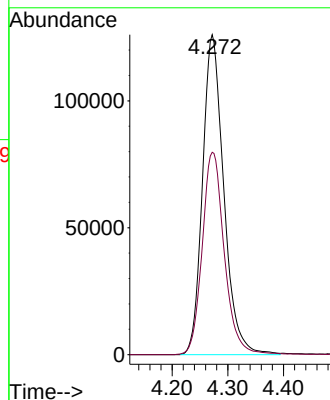
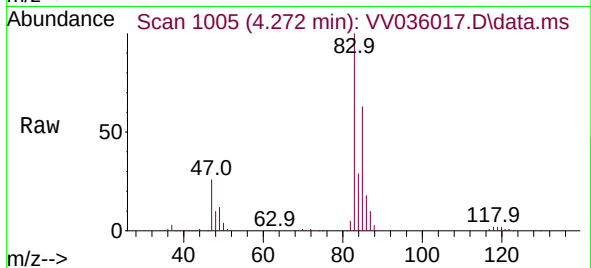
ClientSampleId :

Tgt Ion: 83 Resp: 334617

Ion Ratio Lower Upper

83 100

85 63.3 45.2 84.0



#27

1,2-Dichloroethane

Concen: 25.576 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.006 min

Lab File: VV036017.D

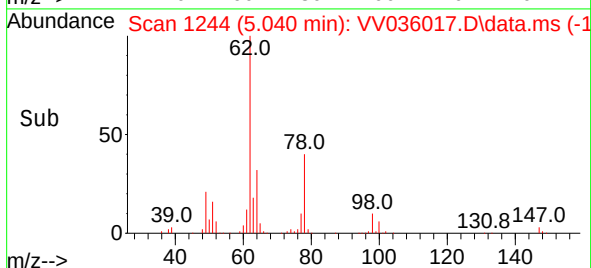
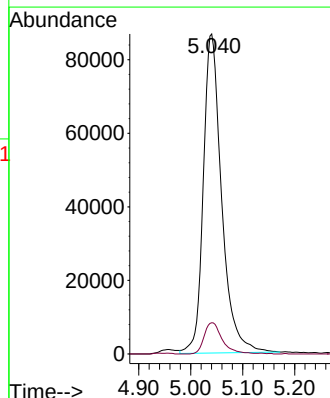
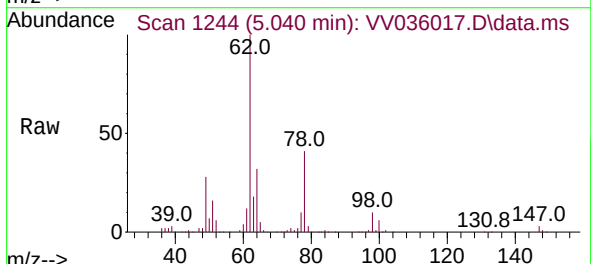
Acq: 07 Jun 2024 17:55

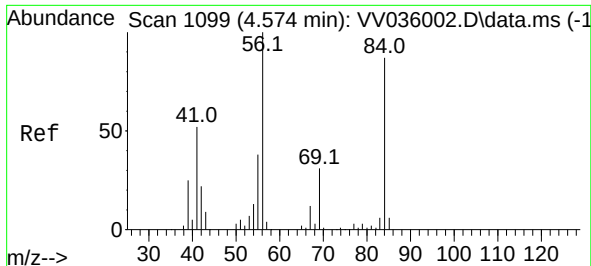
Tgt Ion: 62 Resp: 212688

Ion Ratio Lower Upper

62 100

98 9.7 7.8 11.6





#29

Cyclohexane

Concen: 26.838 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Instrument :

MSVOA_V

ClientSampleId :

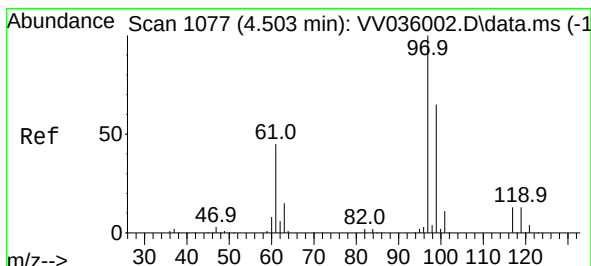
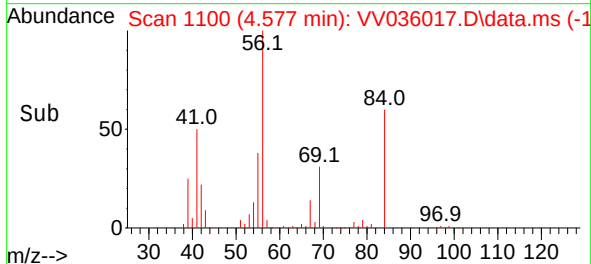
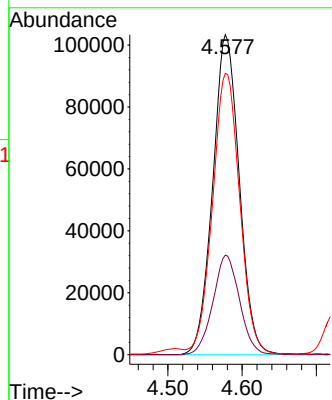
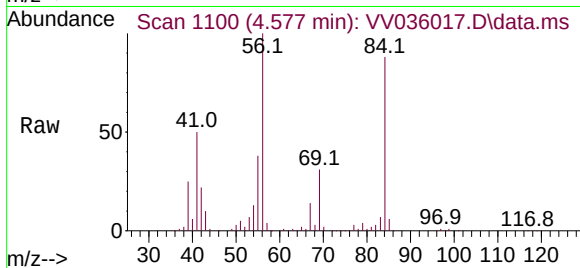
Tgt Ion: 56 Resp: 256727

Ion Ratio Lower Upper

56 100

69 31.2 25.2 37.8

84 89.9 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 25.803 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

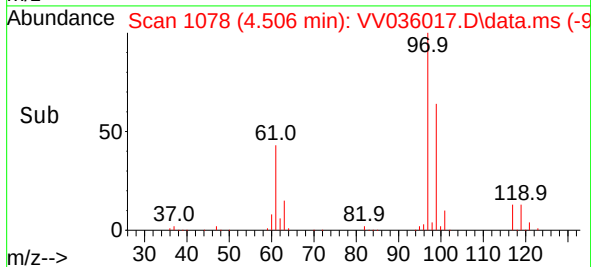
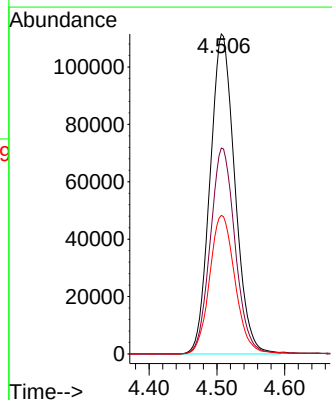
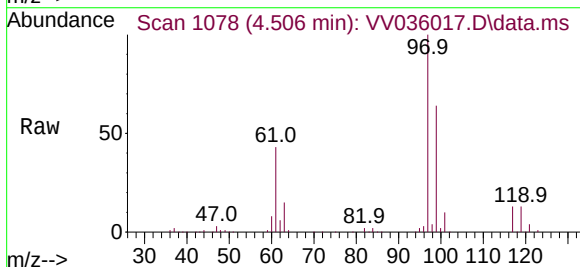
Tgt Ion: 97 Resp: 283410

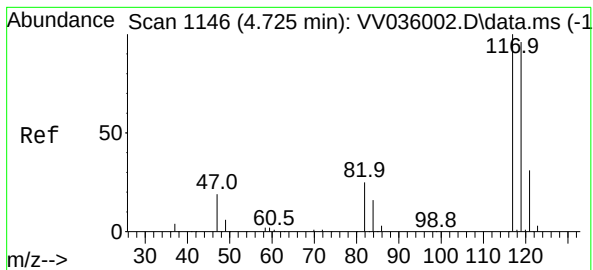
Ion Ratio Lower Upper

97 100

99 64.5 50.9 76.3

61 44.5 35.0 52.6





#31

Carbon tetrachloride

Concen: 25.903 ug/L

RT: 4.732 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Instrument :

MSVOA_V

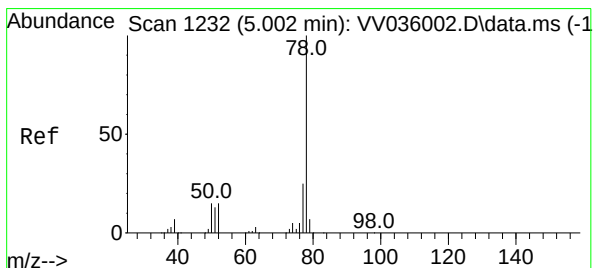
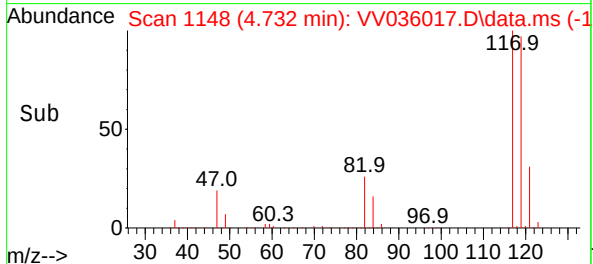
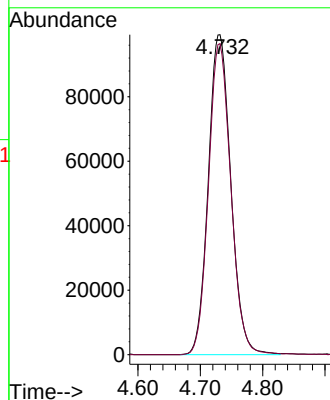
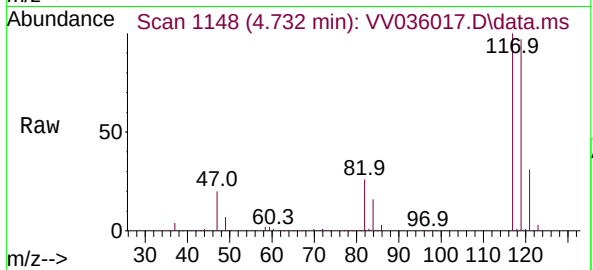
ClientSampleId :

Tgt Ion:117 Resp: 249595

Ion Ratio Lower Upper

117 100

119 96.0 76.8 115.2



#33

Benzene

Concen: 26.587 ug/L

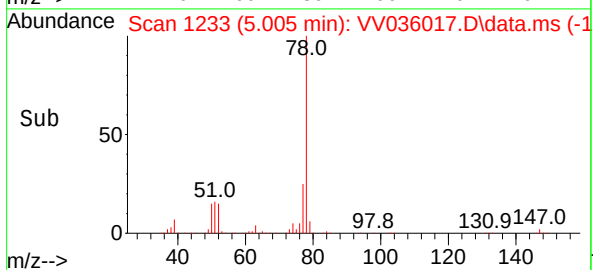
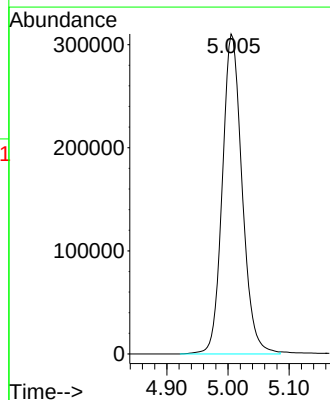
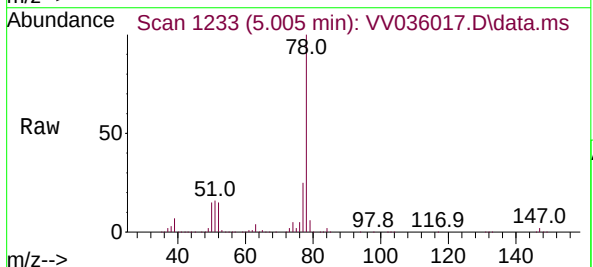
RT: 5.005 min Scan# 1233

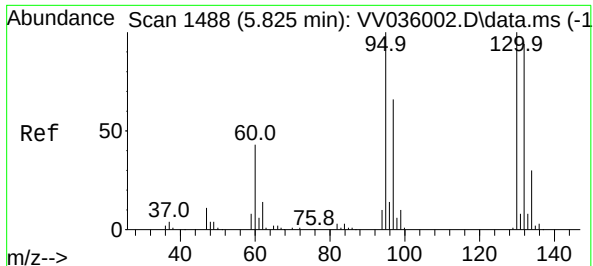
Delta R.T. 0.003 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Tgt Ion: 78 Resp: 698619





#34

Trichloroethene

Concen: 26.239 ug/L

RT: 5.831 min Scan# 1488

Delta R.T. 0.006 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 211318

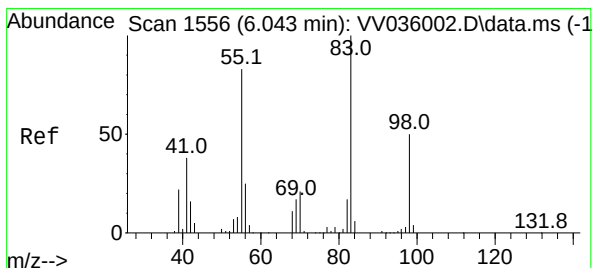
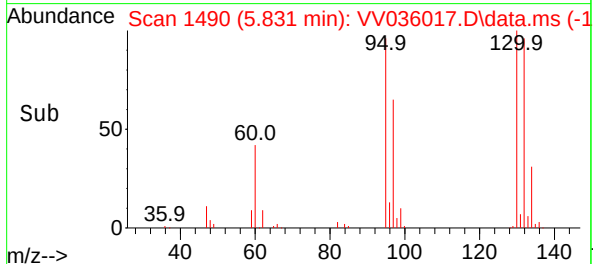
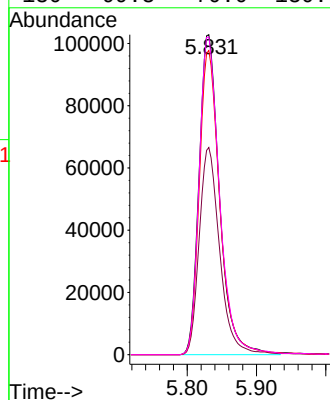
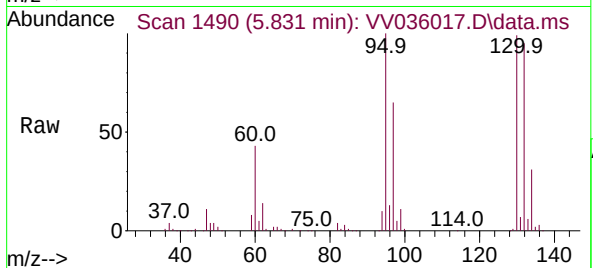
Ion Ratio Lower Upper

95 100

97 64.7 44.8 83.2

132 95.1 66.8 124.2

130 99.3 70.0 130.0



#35

Methylcyclohexane

Concen: 26.538 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

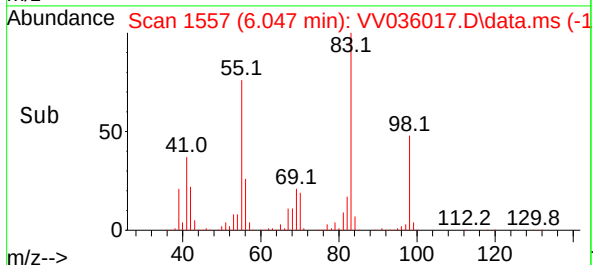
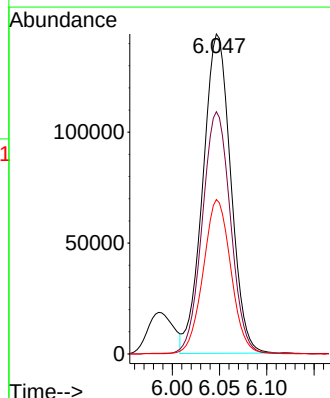
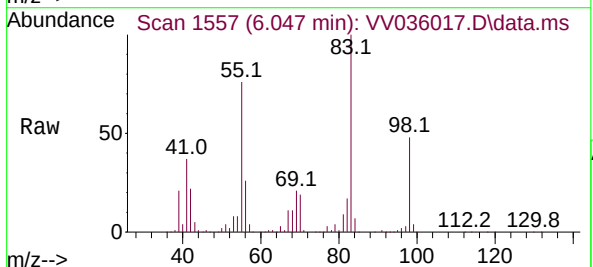
Tgt Ion: 83 Resp: 295559

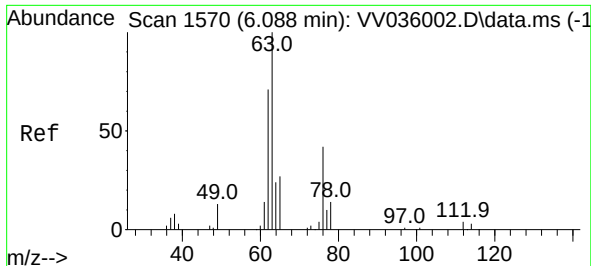
Ion Ratio Lower Upper

83 100

55 76.8 60.7 91.1

98 48.0 38.7 58.1

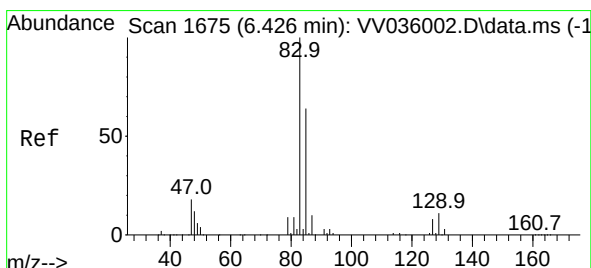
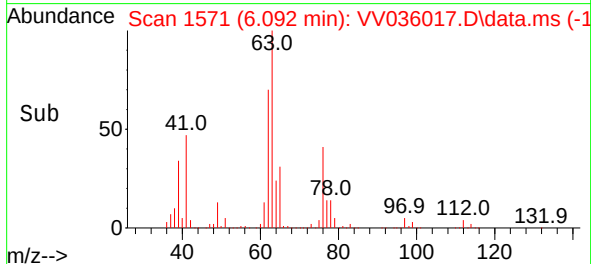
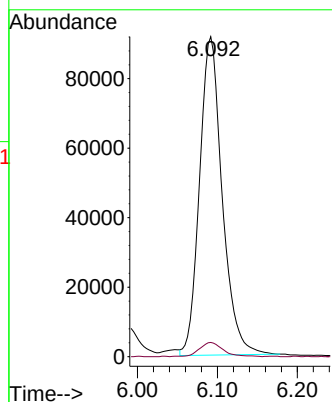
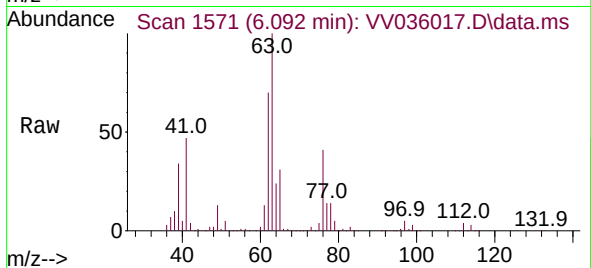




#37
1,2-Dichloropropane
Concen: 26.245 ug/L
RT: 6.092 min Scan# 1570
Delta R.T. 0.003 min
Lab File: VV036017.D
Acq: 07 Jun 2024 17:55

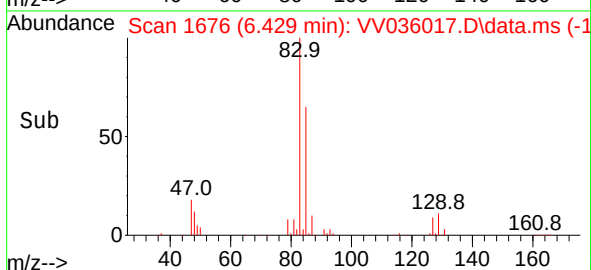
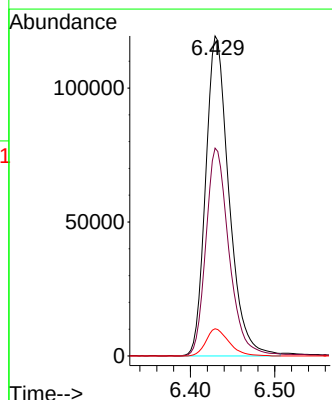
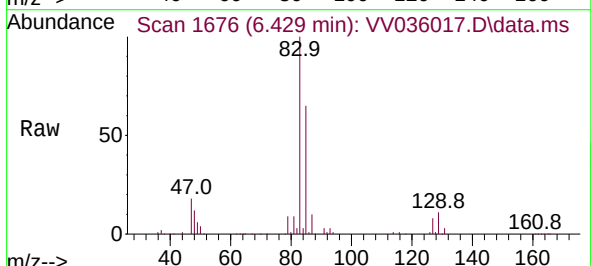
Instrument :
MSVOA_V
ClientSampleId :

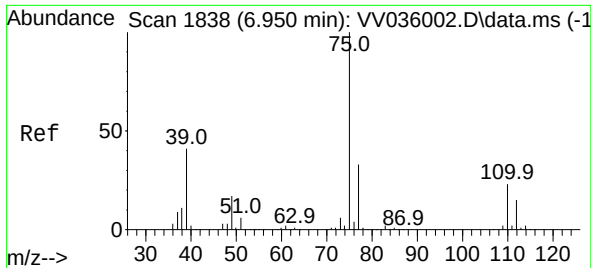
Tgt Ion: 63 Resp: 181083
Ion Ratio Lower Upper
63 100
112 4.3 3.5 5.3



#38
Bromodichloromethane
Concen: 25.215 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV036017.D
Acq: 07 Jun 2024 17:55

Tgt Ion: 83 Resp: 230270
Ion Ratio Lower Upper
83 100
85 65.0 45.3 84.1
127 8.5 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 25.025 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Instrument :

MSVOA_V

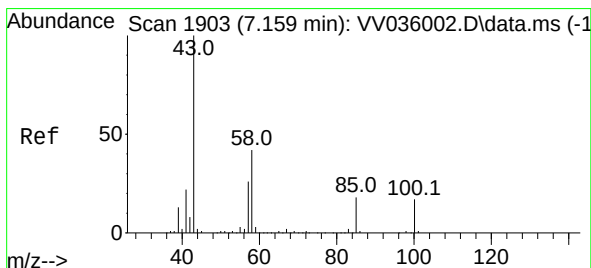
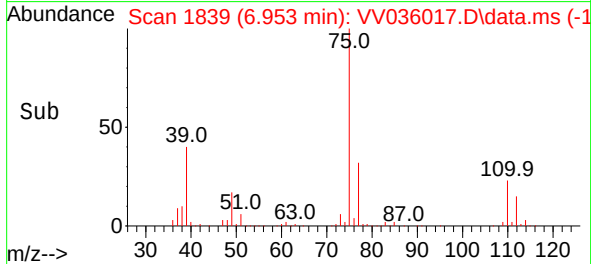
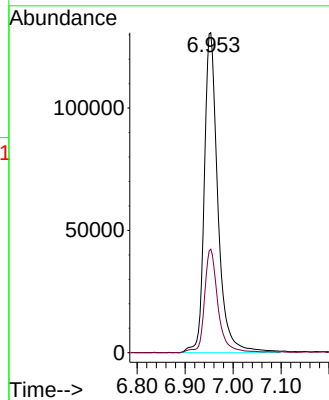
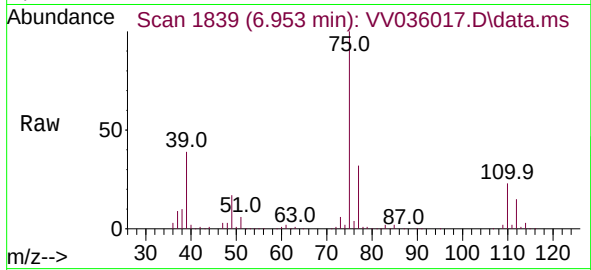
ClientSampleId :

Tgt Ion: 75 Resp: 258247

Ion Ratio Lower Upper

75 100

77 32.3 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 57.526 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

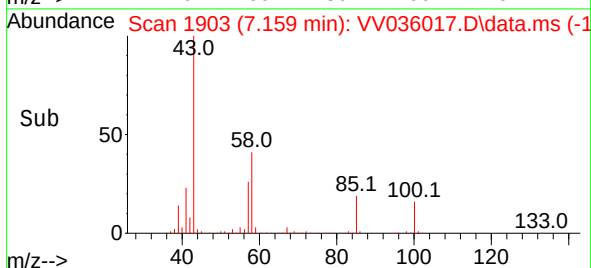
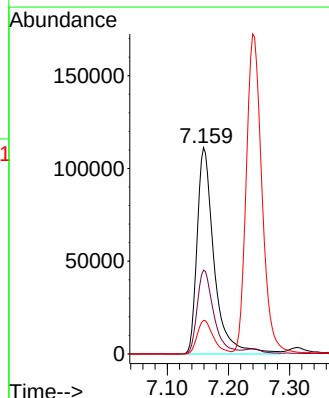
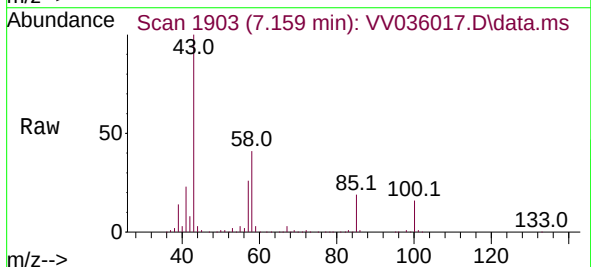
Tgt Ion: 43 Resp: 215646

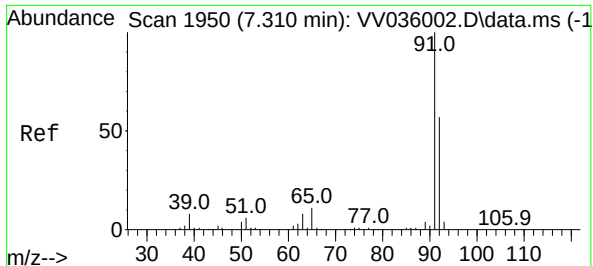
Ion Ratio Lower Upper

43 100

58 39.5 32.5 48.7

100 15.5 12.5 18.7





#42

Toluene

Concen: 27.341 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Instrument :

MSVOA_V

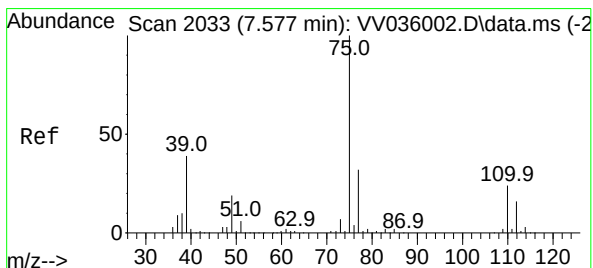
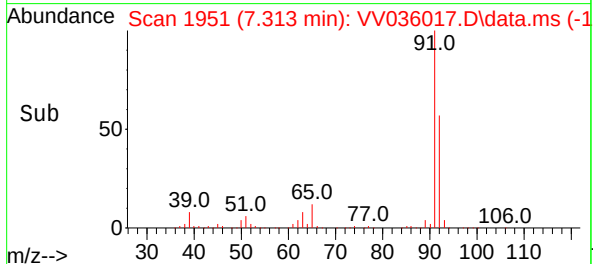
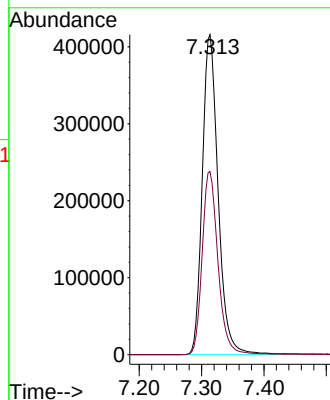
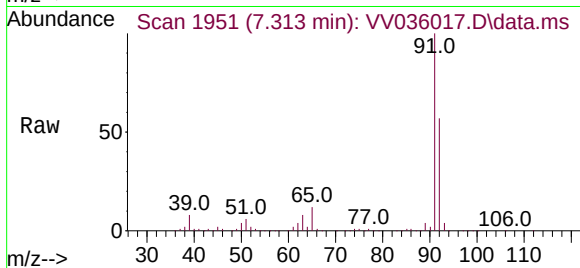
ClientSampleId :

Tgt Ion: 91 Resp: 734121

Ion Ratio Lower Upper

91 100

92 57.3 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 25.497 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV036017.D

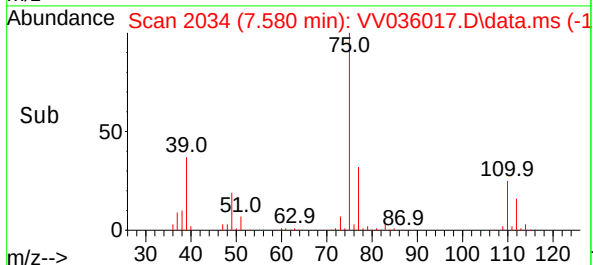
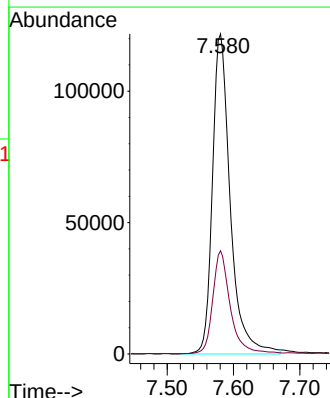
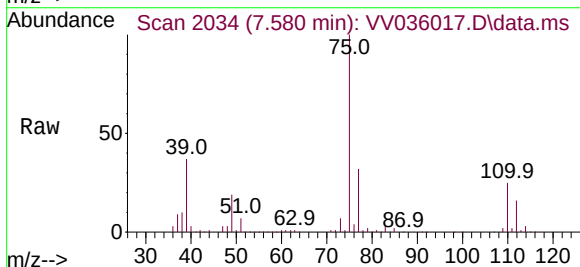
Acq: 07 Jun 2024 17:55

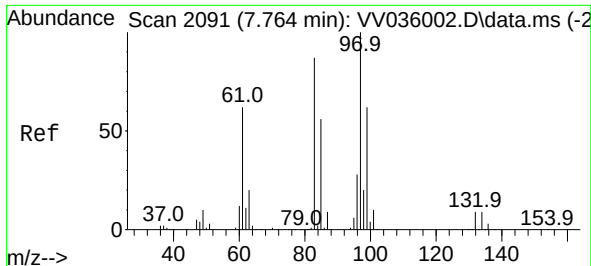
Tgt Ion: 75 Resp: 227275

Ion Ratio Lower Upper

75 100

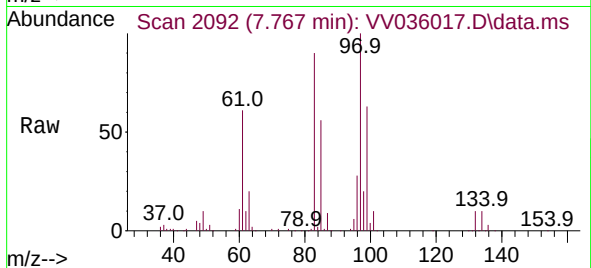
77 32.2 23.1 42.9



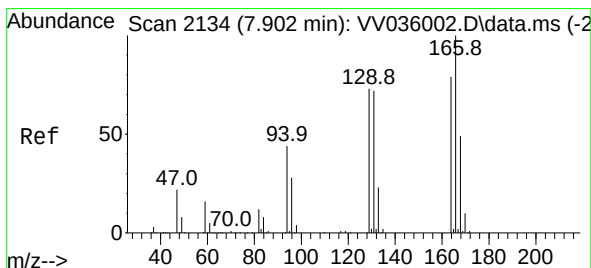
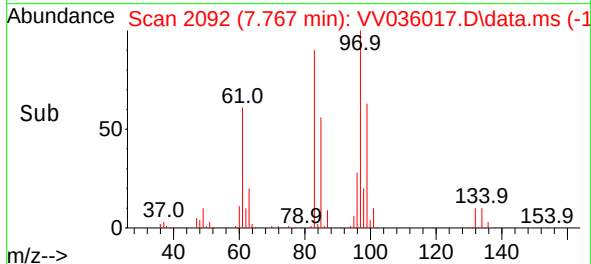
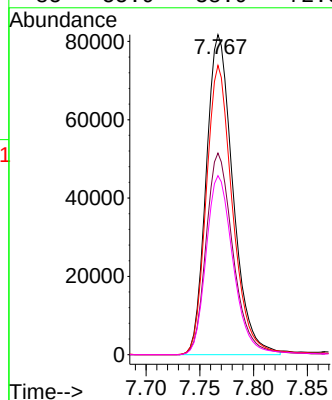


#45
1,1,2-Trichloroethane
Concen: 24.861 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.003 min
Lab File: VV036017.D
Acq: 07 Jun 2024 17:55

Instrument :
MSVOA_V
ClientSampleId :

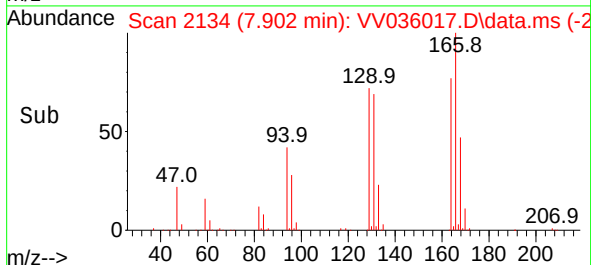
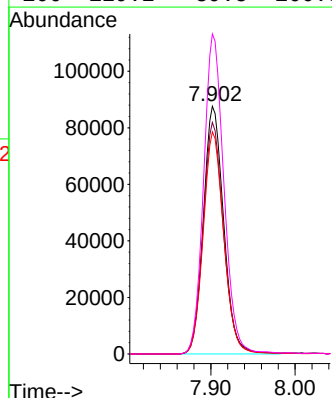
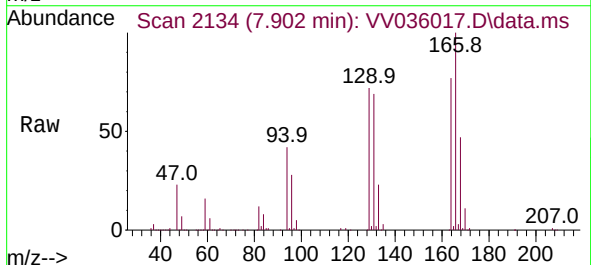


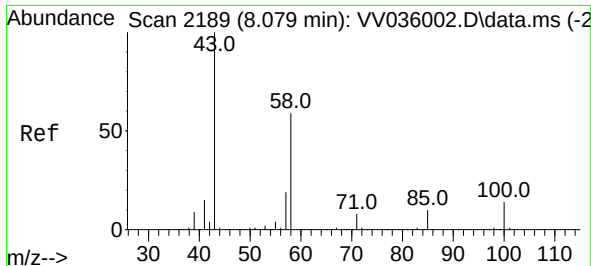
Tgt Ion:	97	Resp:	141931
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.3	80.5
83	90.4	60.1	111.7
85	55.9	38.9	72.3



#46
Tetrachloroethene
Concen: 24.997 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.000 min
Lab File: VV036017.D
Acq: 07 Jun 2024 17:55

Tgt Ion:	164	Resp:	147232
Ion	Ratio	Lower	Upper
164	100		
129	93.5	64.6	120.0
131	89.7	63.2	117.4
166	129.2	89.5	166.3





#48

2-Hexanone

Concen: 51.808 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. 0.000 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 151830

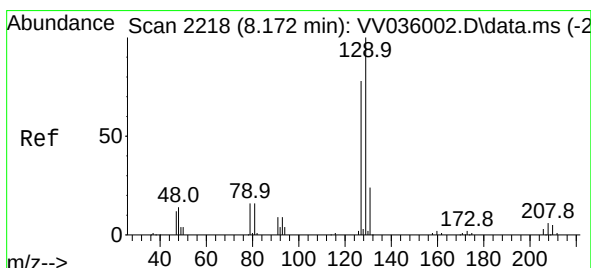
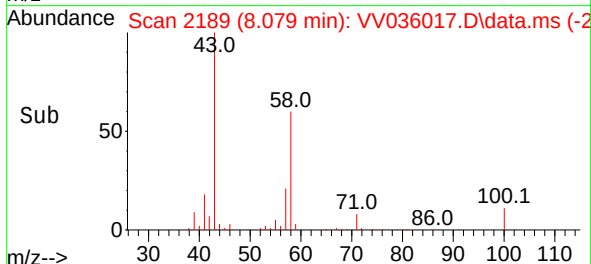
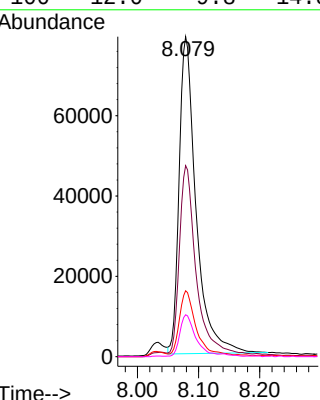
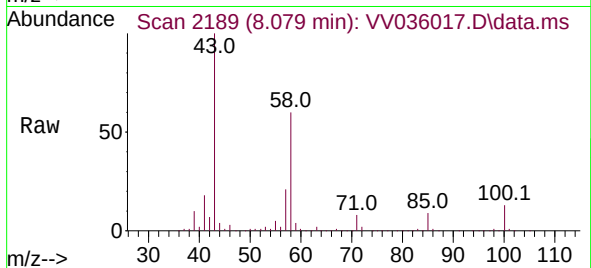
Ion Ratio Lower Upper

43 100

58 58.9 45.4 68.0

57 19.7 15.8 23.8

100 12.0 9.8 14.8



#49

Dibromochloromethane

Concen: 25.132 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.003 min

Lab File: VV036017.D

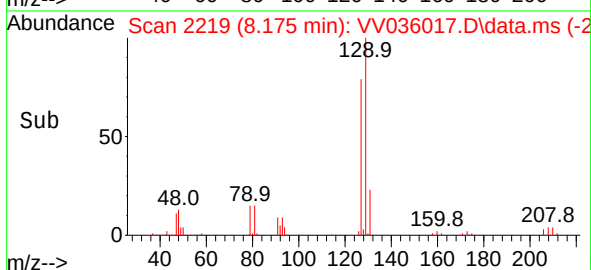
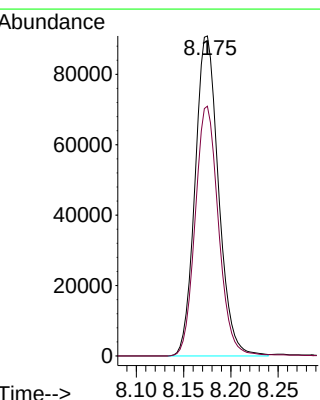
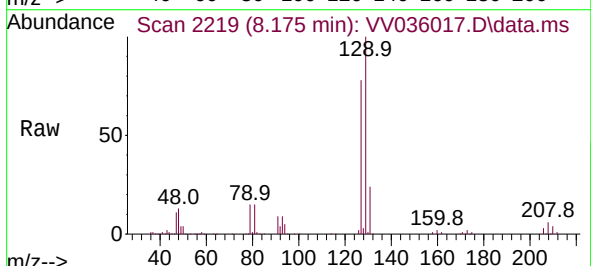
Acq: 07 Jun 2024 17:55

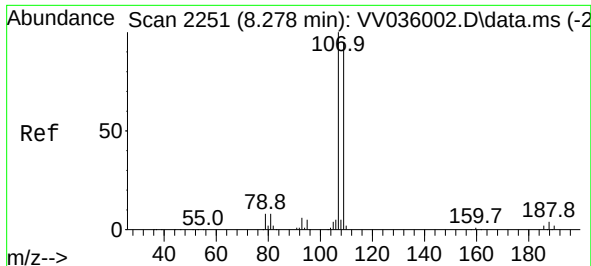
Tgt Ion:129 Resp: 157028

Ion Ratio Lower Upper

129 100

127 78.0 53.9 100.1

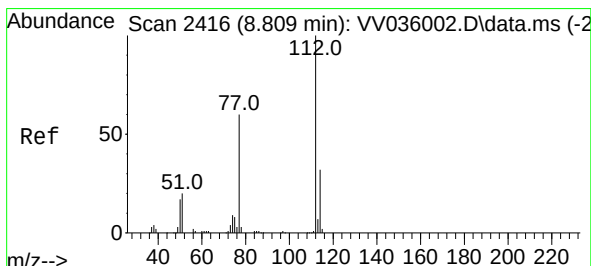
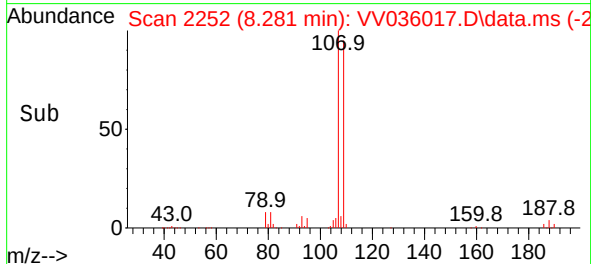
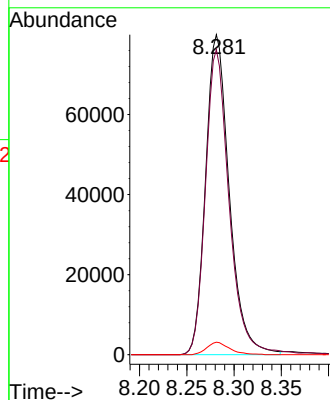
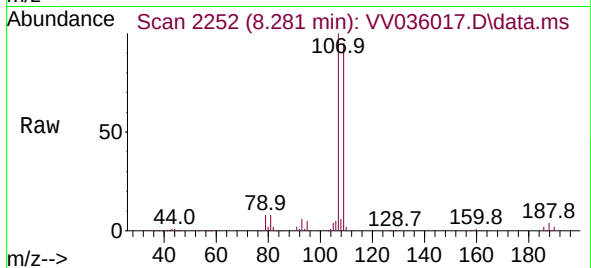




#50
1,2-Dibromoethane
Concen: 25.484 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036017.D
Acq: 07 Jun 2024 17:55

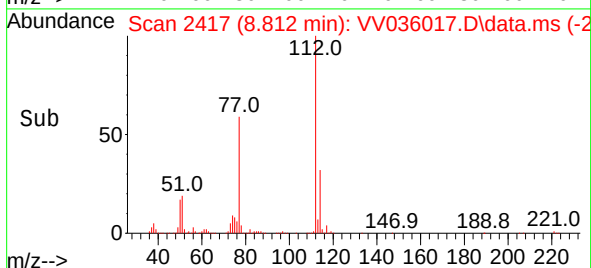
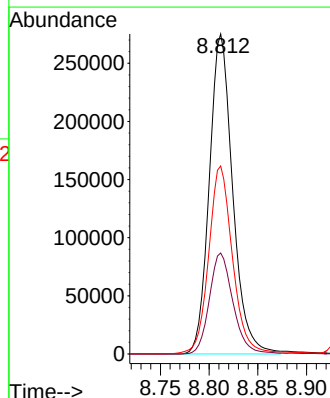
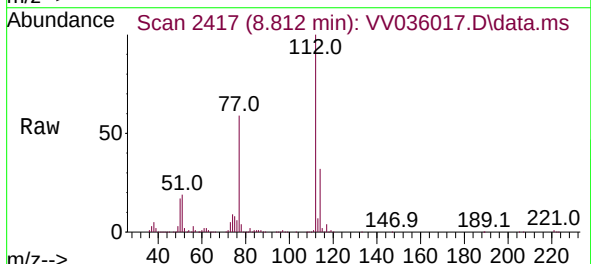
Instrument :
MSVOA_V
ClientSampleId :

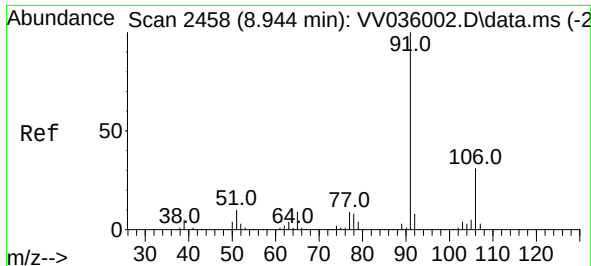
Tgt Ion:107 Resp: 139598
Ion Ratio Lower Upper
107 100
109 95.3 66.1 122.7
188 4.1 3.0 4.6



#51
Chlorobenzene
Concen: 25.110 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV036017.D
Acq: 07 Jun 2024 17:55

Tgt Ion:112 Resp: 459377
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.5
77 58.8 47.3 70.9





#52

Ethylbenzene

Concen: 26.980 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Instrument :

MSVOA_V

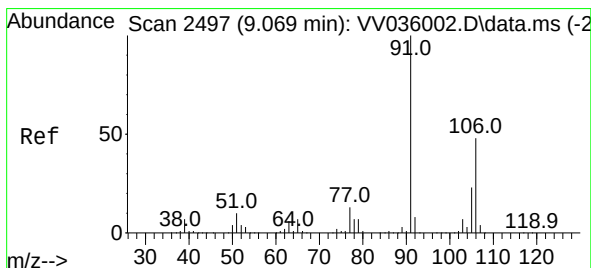
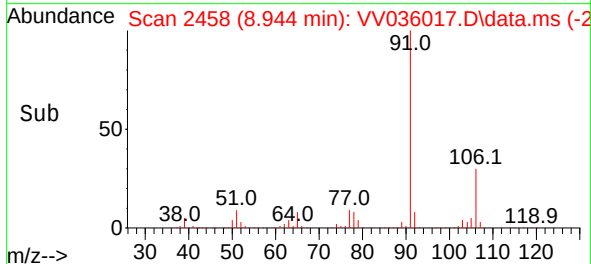
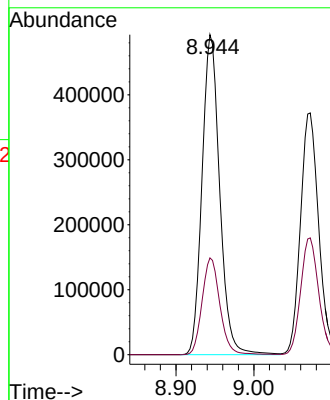
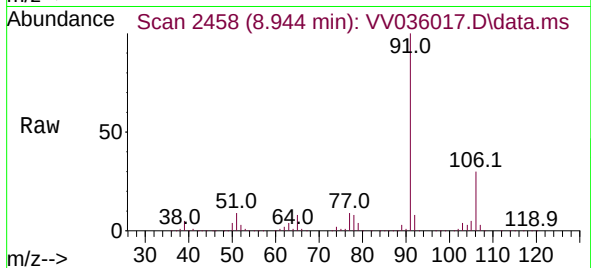
ClientSampleId :

Tgt Ion: 91 Resp: 775043

Ion Ratio Lower Upper

91 100

106 30.2 21.6 40.0



#53

m,p-Xylene

Concen: 26.871 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV036017.D

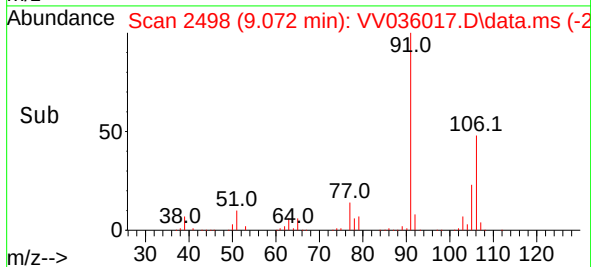
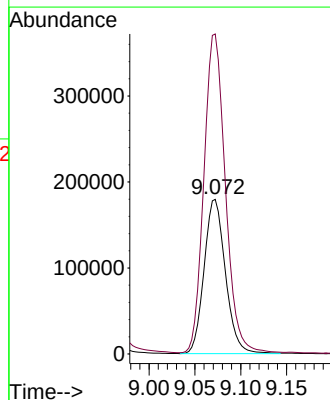
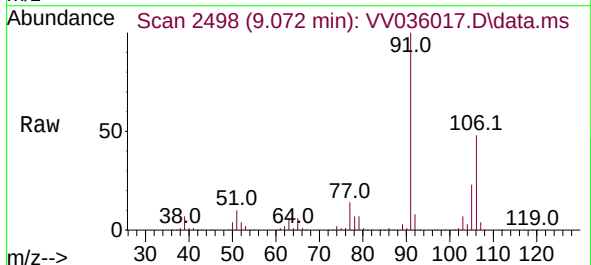
Acq: 07 Jun 2024 17:55

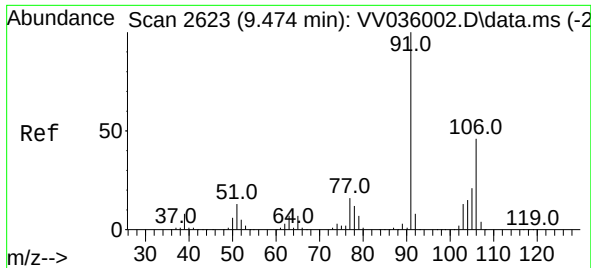
Tgt Ion:106 Resp: 290044

Ion Ratio Lower Upper

106 100

91 207.0 143.1 265.9

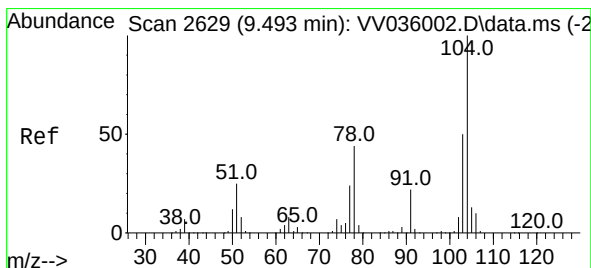
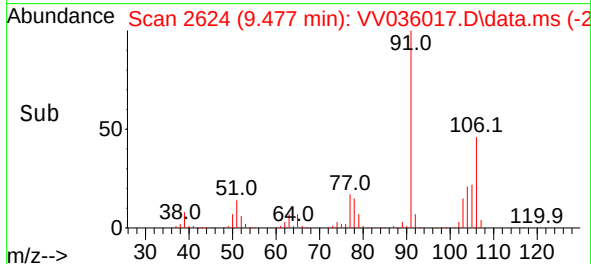
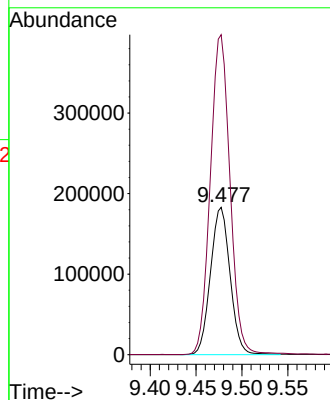
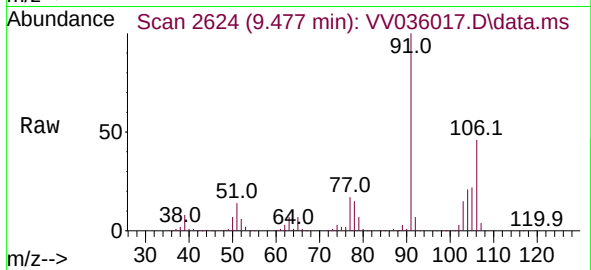




#54
o-Xylene
Concen: 26.701 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.003 min
Lab File: VV036017.D
Acq: 07 Jun 2024 17:55

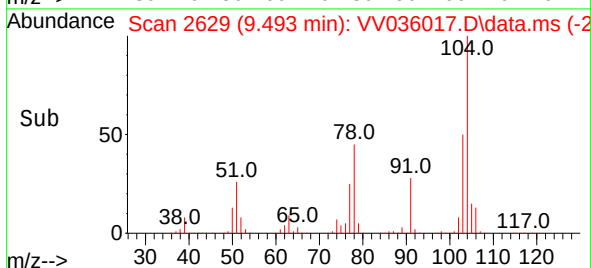
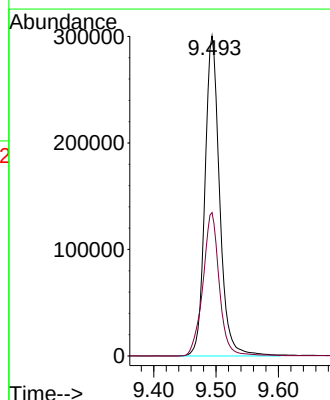
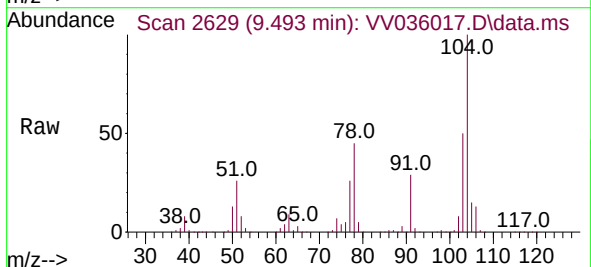
Instrument :
MSVOA_V
ClientSampleId :

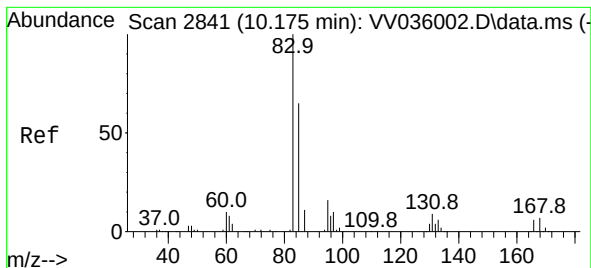
Tgt Ion:106 Resp: 271793
Ion Ratio Lower Upper
106 100
91 217.1 154.5 286.9



#55
Styrene
Concen: 27.504 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV036017.D
Acq: 07 Jun 2024 17:55

Tgt Ion:104 Resp: 493712
Ion Ratio Lower Upper
104 100
78 44.8 31.4 58.2

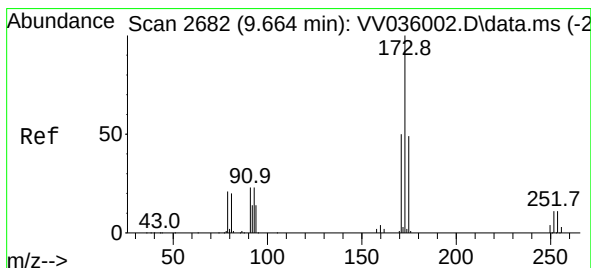
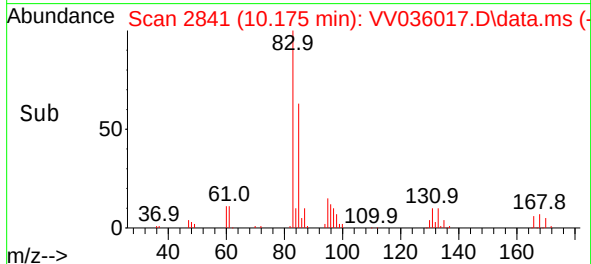
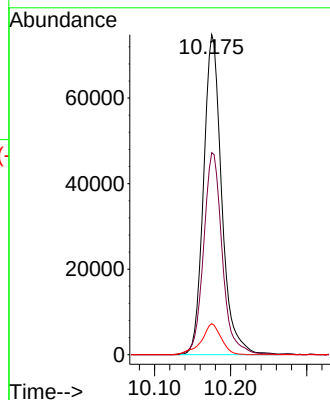
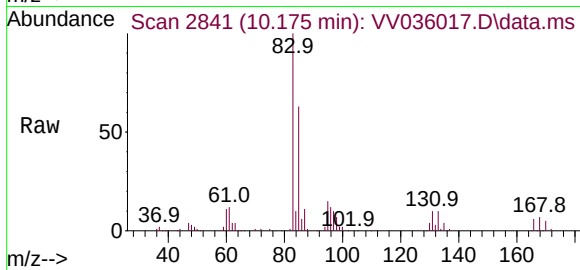




#57
1,1,2,2-Tetrachloroethane
Concen: 24.267 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV036017.D
Acq: 07 Jun 2024 17:55

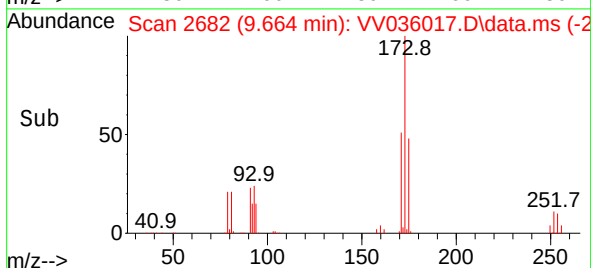
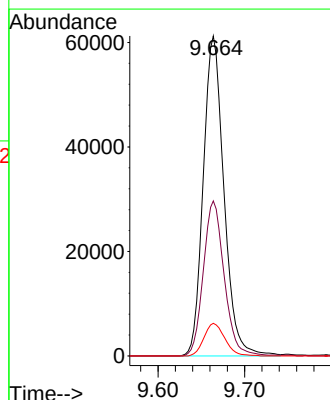
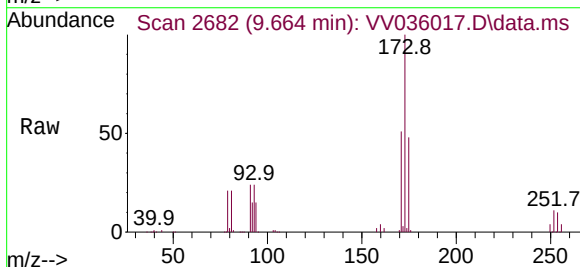
Instrument :
MSVOA_V
ClientSampleId :

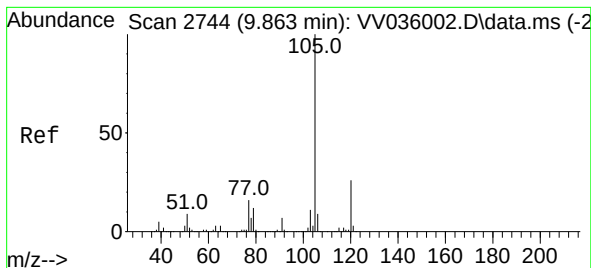
Tgt Ion: 83 Resp: 124053
Ion Ratio Lower Upper
83 100
85 63.1 45.1 83.7
131 9.7 7.6 11.4



#59
Bromoform
Concen: 26.271 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV036017.D
Acq: 07 Jun 2024 17:55

Tgt Ion: 173 Resp: 101689
Ion Ratio Lower Upper
173 100
175 48.7 39.0 58.6
254 10.3 8.6 13.0





#60

Isopropylbenzene

Concen: 28.807 ug/L

RT: 9.863 min Scan# 2744

Delta R.T. 0.000 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Instrument :

MSVOA_V

ClientSampleId :

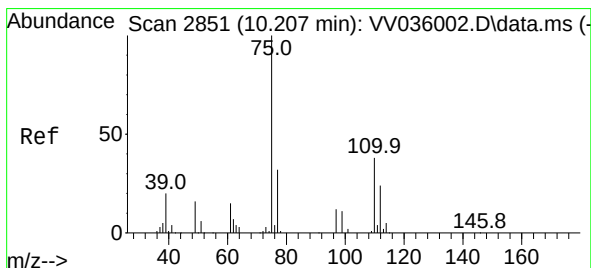
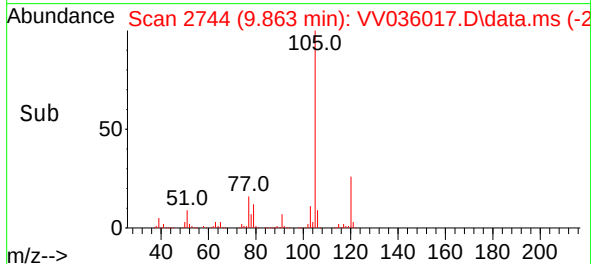
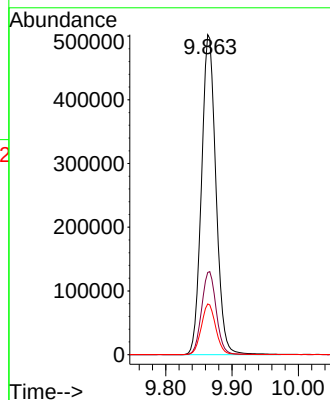
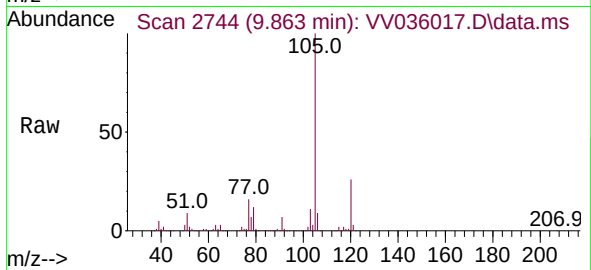
Tgt Ion:105 Resp: 758560

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

77 15.9 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 27.899 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

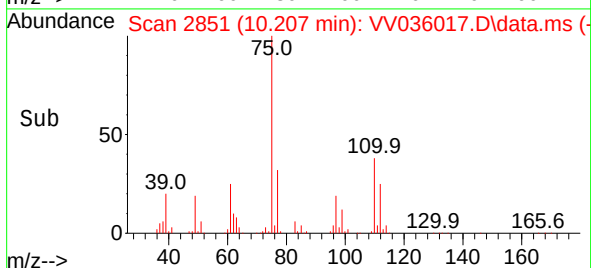
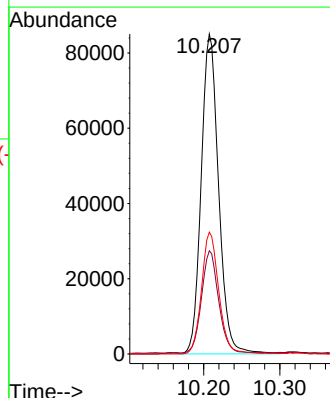
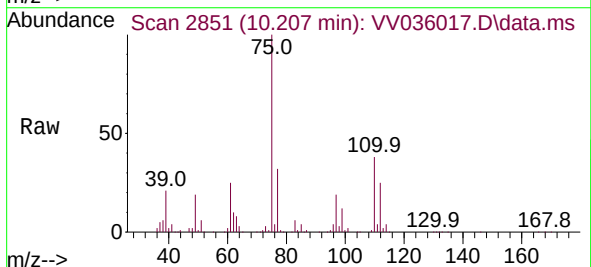
Tgt Ion: 75 Resp: 135430

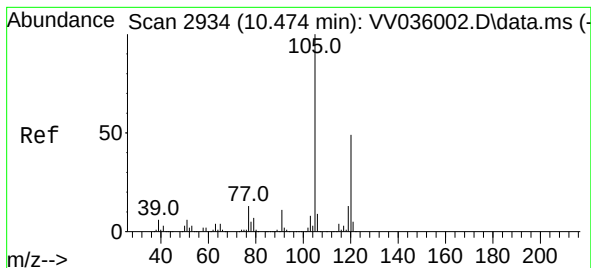
Ion Ratio Lower Upper

75 100

77 31.2 26.0 39.0

110 37.6 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 27.796 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Instrument :

MSVOA_V

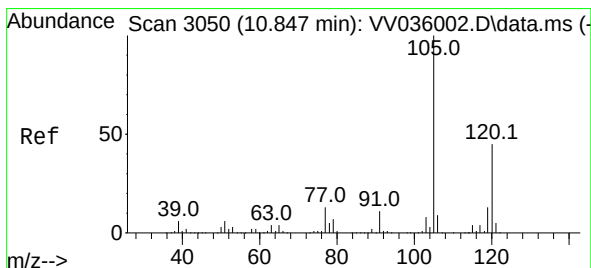
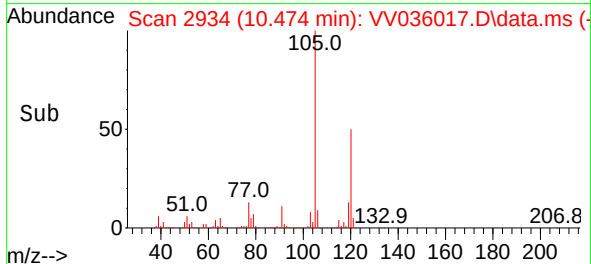
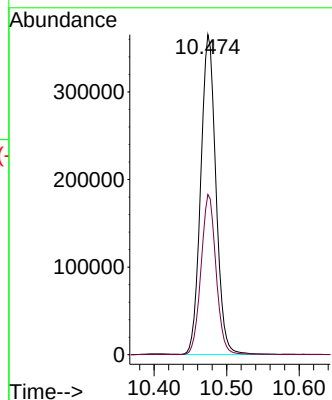
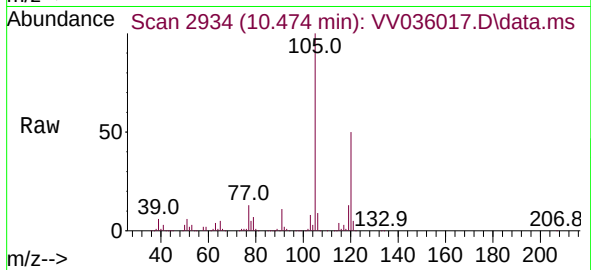
ClientSampleId :

Tgt Ion:105 Resp: 530747

Ion Ratio Lower Upper

105 100

120 49.4 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 27.802 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV036017.D

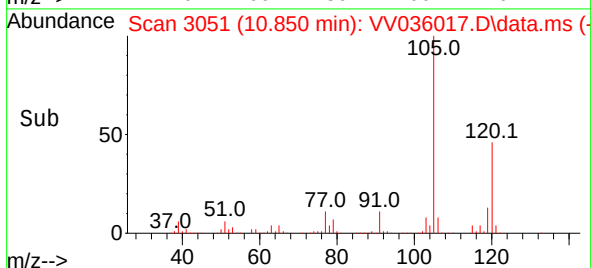
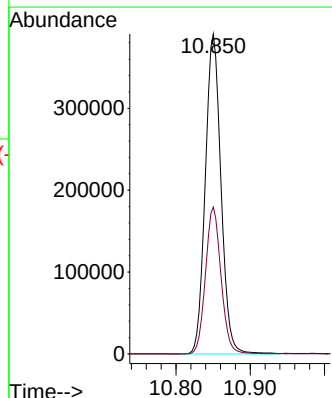
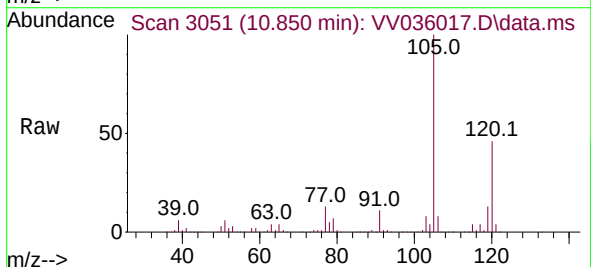
Acq: 07 Jun 2024 17:55

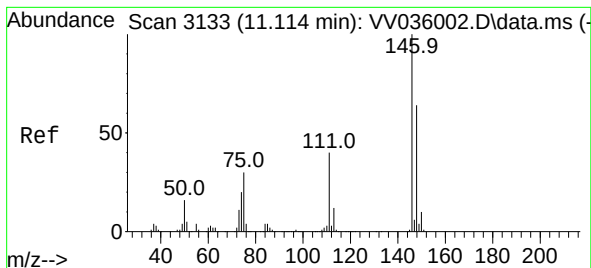
Tgt Ion:105 Resp: 571976

Ion Ratio Lower Upper

105 100

120 45.4 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 25.353 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Instrument :

MSVOA_V

ClientSampleId :

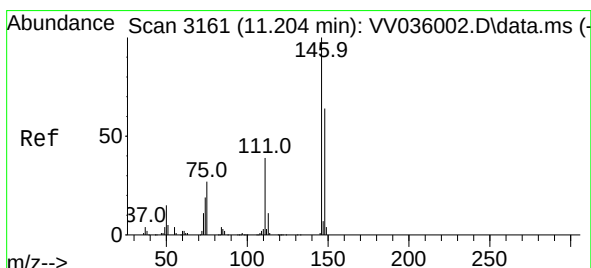
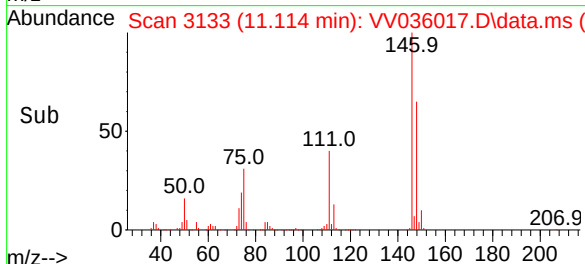
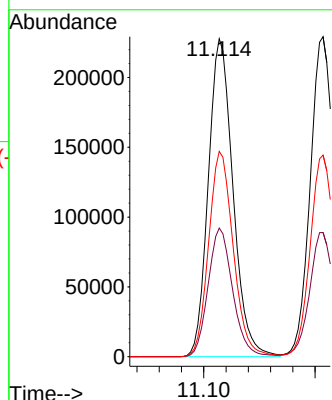
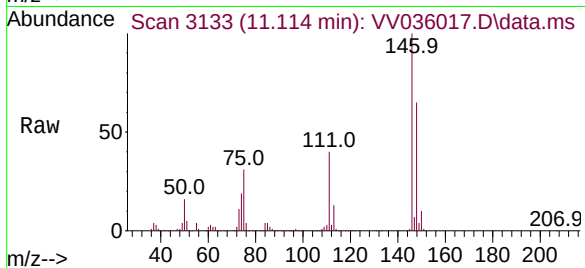
Tgt Ion:146 Resp: 350599

Ion Ratio Lower Upper

146 100

111 40.5 28.1 52.1

148 64.6 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 25.219 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

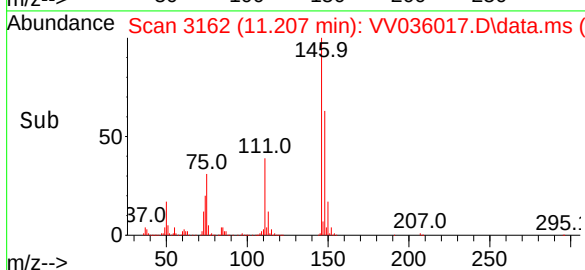
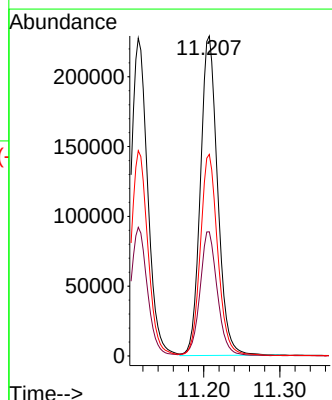
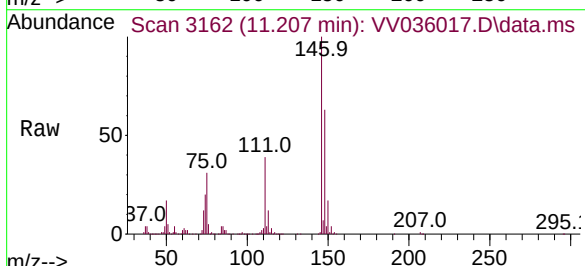
Tgt Ion:146 Resp: 359961

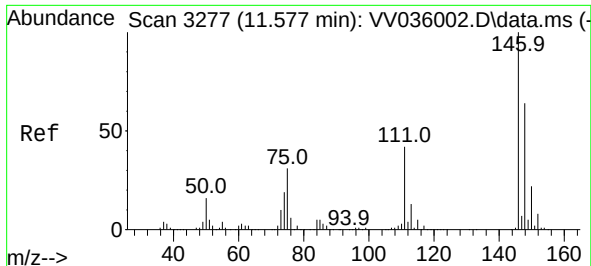
Ion Ratio Lower Upper

146 100

111 38.8 26.9 50.1

148 63.0 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 25.214 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Instrument :

MSVOA_V

ClientSampleId :

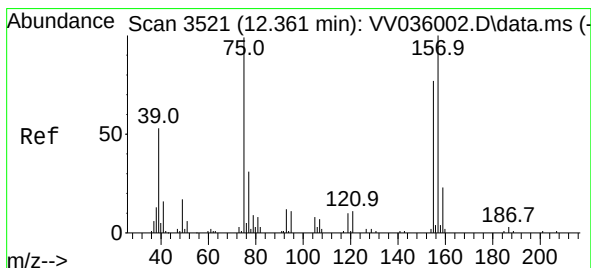
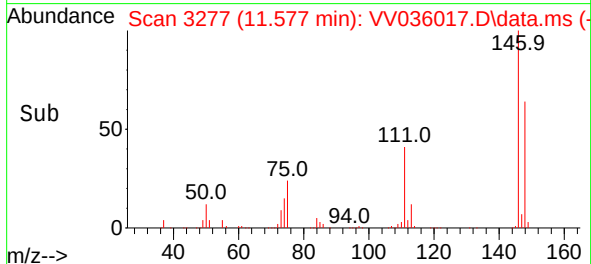
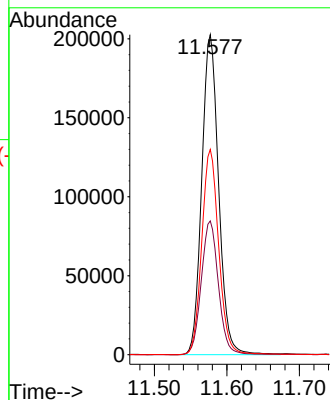
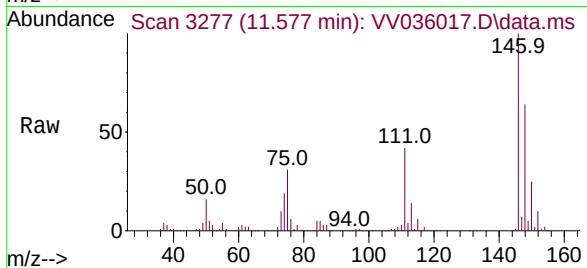
Tgt Ion:146 Resp: 328111

Ion Ratio Lower Upper

146 100

111 41.8 33.5 50.3

148 64.1 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 27.143 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

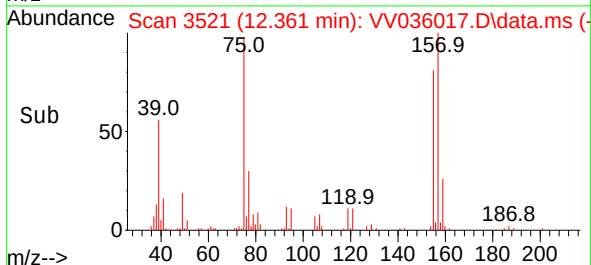
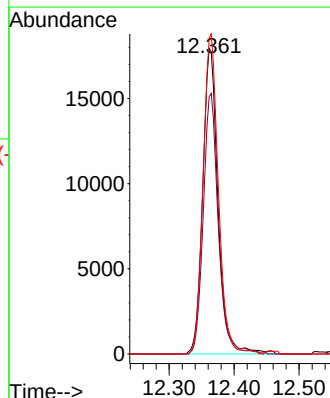
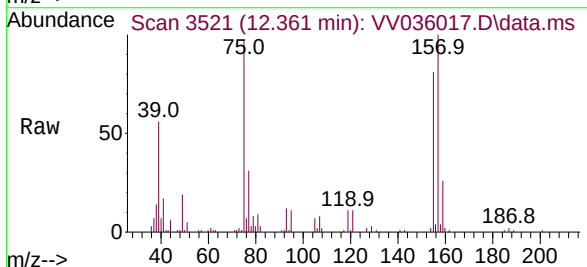
Tgt Ion: 75 Resp: 29464

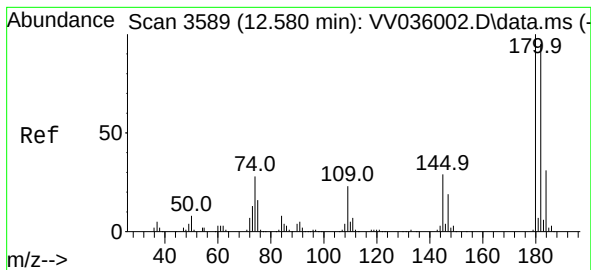
Ion Ratio Lower Upper

75 100

155 84.2 63.3 94.9

157 103.3 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 23.625 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

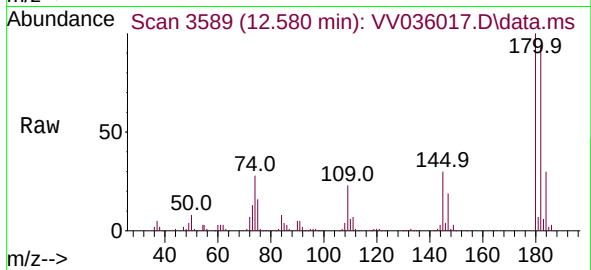
Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 244374

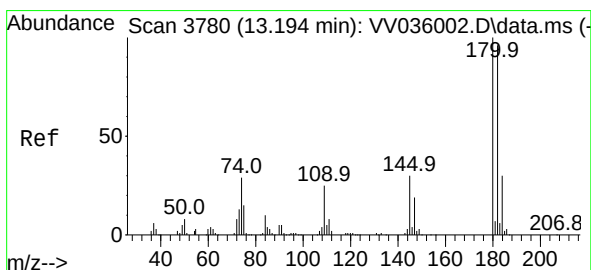
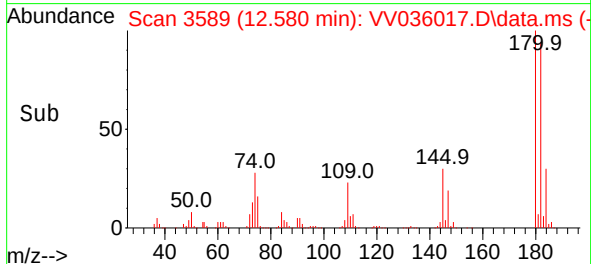
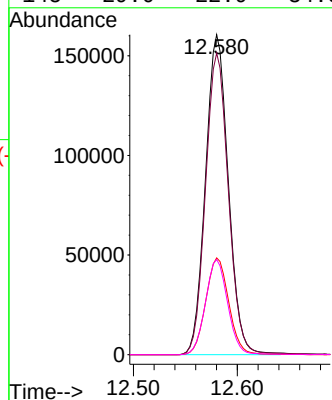
Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.4

184 30.5 24.2 36.2

145 29.0 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 23.798 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

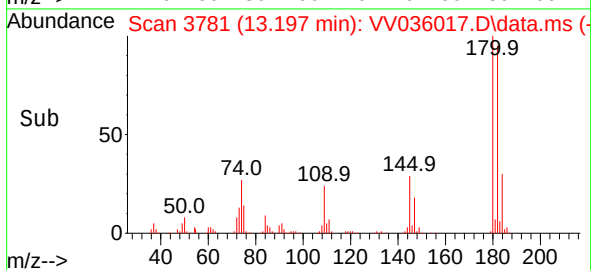
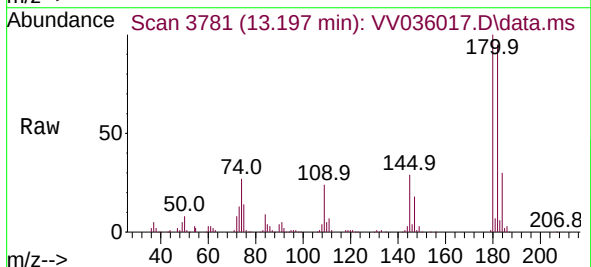
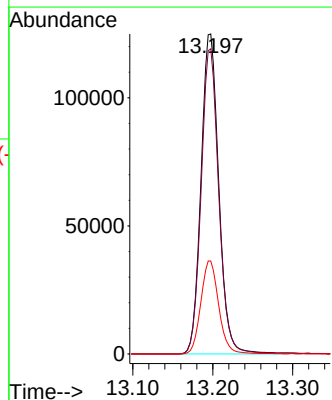
Tgt Ion:180 Resp: 193822

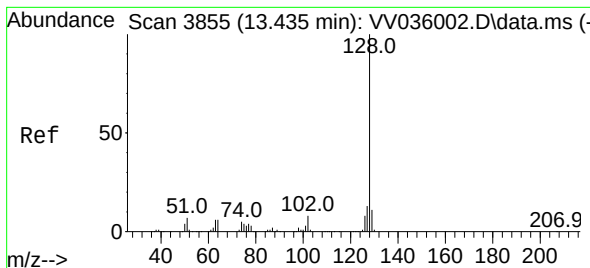
Ion Ratio Lower Upper

180 100

182 94.2 76.1 114.1

145 29.2 23.5 35.3





#71

Naphthalene

Concen: 24.857 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Instrument :

MSVOA_V

ClientSampleId :

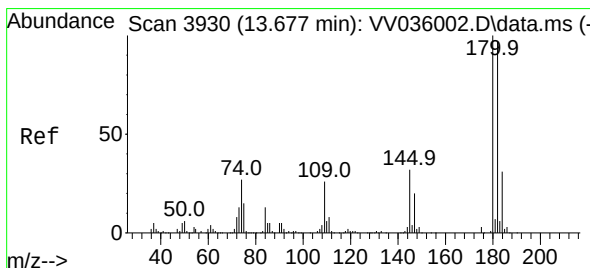
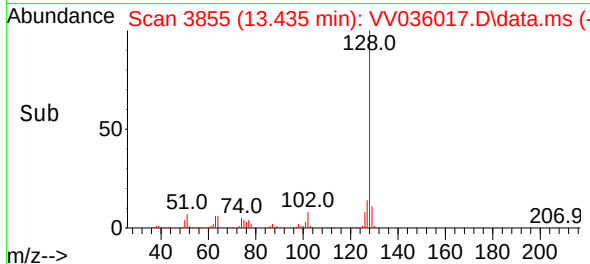
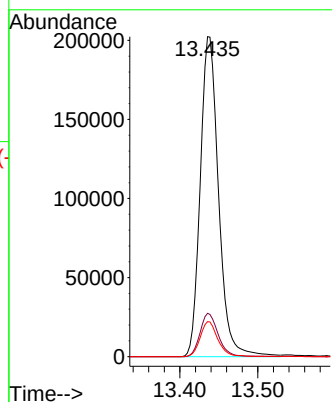
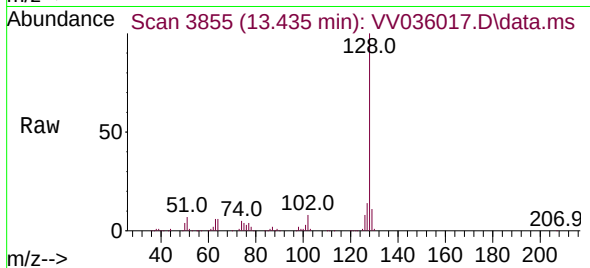
Tgt Ion:128 Resp: 330390

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 10.6 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 24.770 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036017.D

Acq: 07 Jun 2024 17:55

Tgt Ion:180 Resp: 184098

Ion Ratio Lower Upper

180 100

182 94.9 75.1 112.7

145 31.8 25.2 37.8

