

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080724\
 Data File : VV036825.D
 Acq On : 07 Aug 2024 08:45
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 08 02:30:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 07 04:57:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	479450	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	452139	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	222331	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	144555	37.748	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.500%
7) Chloroethane-d5	1.529	69	125156	41.444	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.880%
11) 1,1-Dichloroethene-d2	2.056	65	64729	39.516	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.040%
21) 2-Butanone-d5	3.793	46	170812	84.187	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.190%
24) Chloroform-d	4.240	84	317154	46.151	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.300%
26) 1,2-Dichloroethane-d4	4.934	65	199467	45.145	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.280%
32) Benzene-d6	4.950	84	600669	43.985	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.960%
36) 1,2-Dichloropropane-d6	5.982	67	198833	45.131	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.260%
41) Toluene-d8	7.236	98	535341	42.735	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.460%
43) trans-1,3-Dichloroprop...	7.548	79	99349	43.330	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.660%
47) 2-Hexanone-d5	8.024	63	106659	84.198	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.200%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	233815	46.221	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.440%
66) 1,2-Dichlorobenzene-d4	11.555	152	206012	45.472	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	207800	54.356	ug/L	99
3) Chloromethane	1.217	50	209685	52.411	ug/L	100
5) Vinyl chloride	1.282	62	214122	52.116	ug/L	98
6) Bromomethane	1.487	94	130561	50.473	ug/L	99
8) Chloroethane	1.548	64	131546	51.689	ug/L	100
9) Trichlorofluoromethane	1.712	101	273630	50.845	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	165961	52.336	ug/L	100
12) 1,1-Dichloroethene	2.069	96	152435	50.331	ug/L	90
13) Acetone	2.111	43	158507	93.372	ug/L	98
14) Carbon disulfide	2.237	76	467003	49.088	ug/L	99
15) Methyl Acetate	2.372	43	150125	42.929	ug/L	99
16) Methylene chloride	2.442	84	171929	50.496	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	159320	50.785	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	524018	47.427	ug/L	99
19) 1,1-Dichloroethane	3.105	63	317432	50.083	ug/L	97
20) cis-1,2-Dichloroethene	3.806	96	185921	50.493	ug/L	99
22) 2-Butanone	3.873	43	196703	86.495	ug/L	100
23) Bromochloromethane	4.140	128	89706	50.153	ug/L	97
25) Chloroform	4.269	83	328830	50.513	ug/L	98

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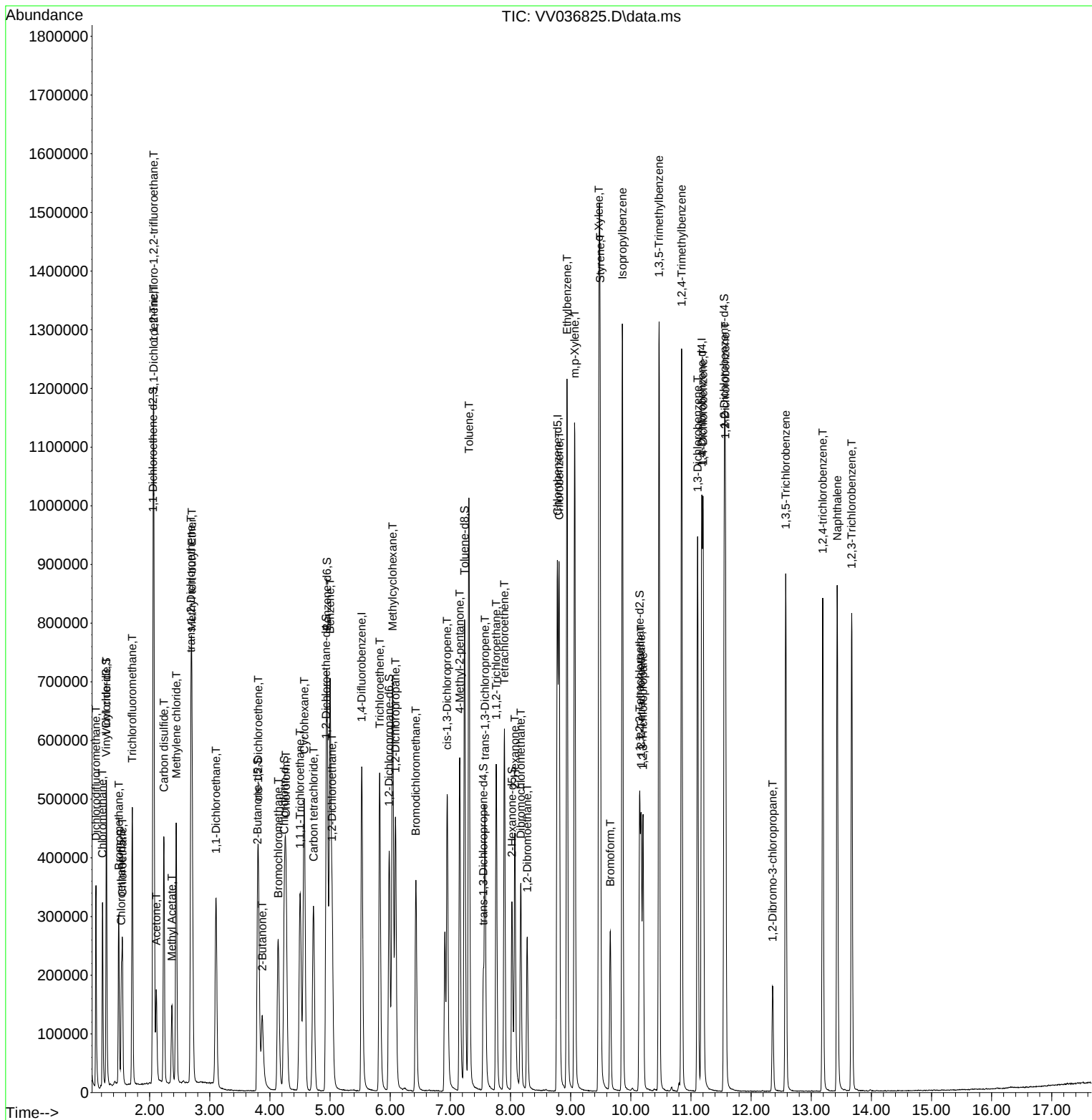
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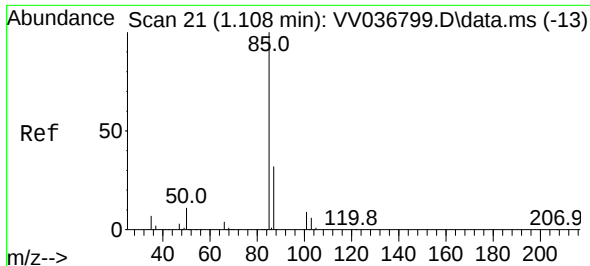
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	249727	48.633	ug/L	100
29) Cyclohexane	4.571	56	296708	51.505	ug/L	100
30) 1,1,1-Trichloroethane	4.503	97	282704	49.629	ug/L	99
31) Carbon tetrachloride	4.725	117	240274	50.225	ug/L	100
33) Benzene	5.002	78	699825	51.749	ug/L	100
34) Trichloroethene	5.825	95	190700	48.656	ug/L	97
35) Methylcyclohexane	6.040	83	307962	51.206	ug/L	99
37) 1,2-Dichloropropane	6.088	63	182892	51.052	ug/L	100
38) Bromodichloromethane	6.426	83	245513	49.766	ug/L	100
39) cis-1,3-Dichloropropene	6.947	75	302242	49.261	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	381429	85.949	ug/L	100
42) Toluene	7.310	91	735930	51.091	ug/L	100
44) trans-1,3-Dichloropropene	7.574	75	280230	49.015	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	170499	49.144	ug/L	99
46) Tetrachloroethene	7.899	164	130817	50.885	ug/L	99
48) 2-Hexanone	8.072	43	281393	86.190	ug/L	99
49) Dibromochloromethane	8.172	129	174676	48.994	ug/L	99
50) 1,2-Dibromoethane	8.278	107	174660	48.522	ug/L	98
51) Chlorobenzene	8.809	112	470433	50.900	ug/L	100
52) Ethylbenzene	8.940	91	843372	51.278	ug/L	100
53) m,p-Xylene	9.066	106	310879	50.568	ug/L	99
54) o-Xylene	9.471	106	304141	50.581	ug/L	97
55) Styrene	9.490	104	524037	50.855	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	224947	48.052	ug/L	99
59) Bromoform	9.661	173	114825	46.684	ug/L	98
60) Isopropylbenzene	9.860	105	831220	51.354	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	183545	45.860	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	689441	51.162	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	689946	51.146	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	357860	51.413	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	361235	51.035	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	352494	51.853	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	46519	40.221	ug/L	95
69) 1,3,5-Trichlorobenzene	12.577	180	253400	51.300	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	237534	50.139	ug/L	99
71) Naphthalene	13.432	128	664529	43.742	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	226697	48.885	ug/L	99

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

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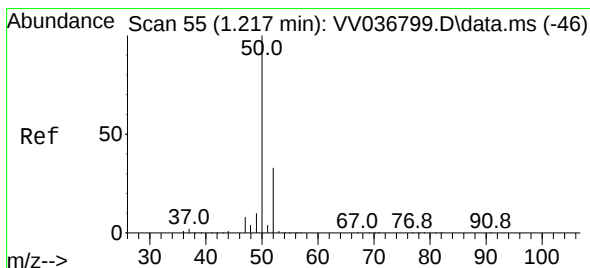
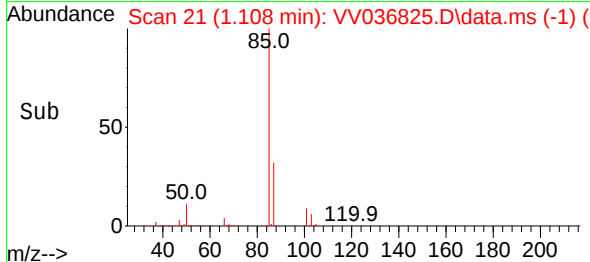
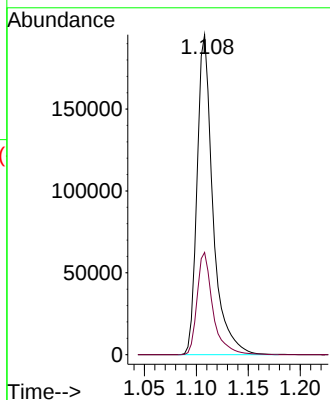
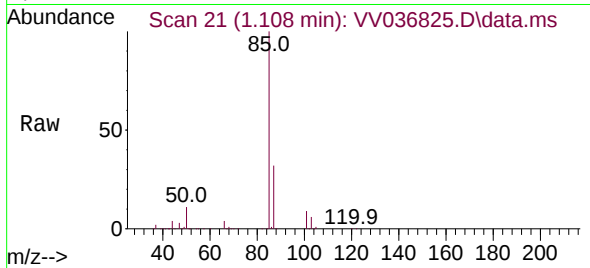




#2
 Dichlorodifluoromethane
 Concen: 54.356 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV036825.D
 Acq: 07 Aug 2024 08:45

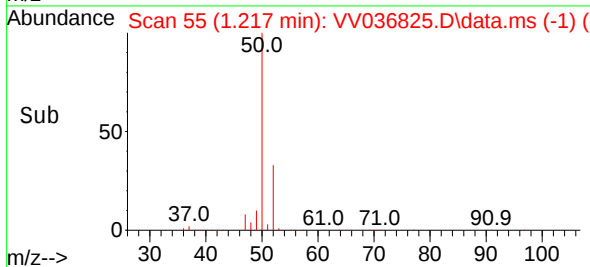
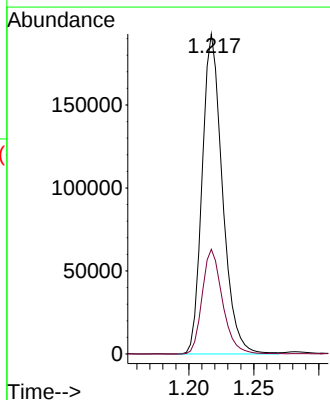
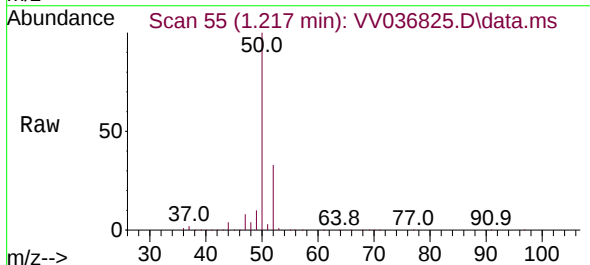
Instrument :
 MSVOA_V
 ClientSampleId :

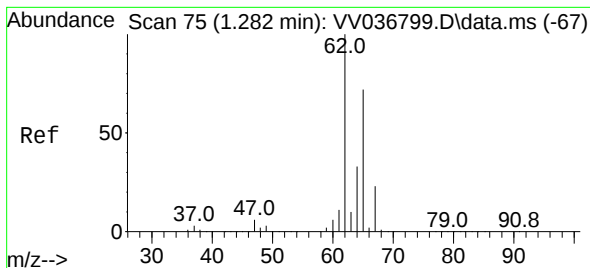
Tgt Ion: 85 Resp: 207800
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.9 38.9



#3
 Chloromethane
 Concen: 52.411 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV036825.D
 Acq: 07 Aug 2024 08:45

Tgt Ion: 50 Resp: 209685
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.0 42.8





#5

Vinyl chloride

Concen: 52.116 ug/L

RT: 1.282 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

Instrument :

MSVOA_V

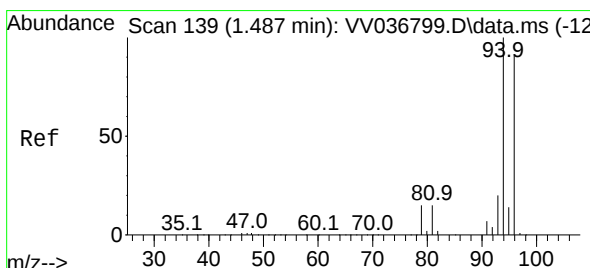
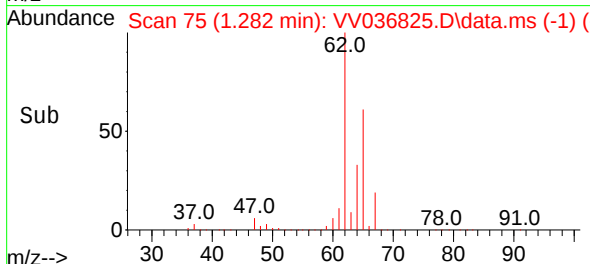
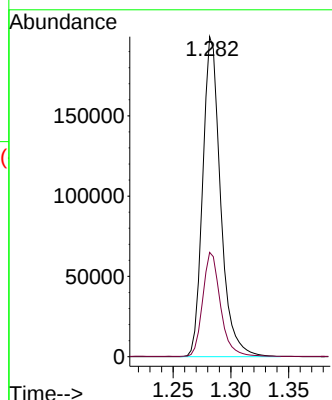
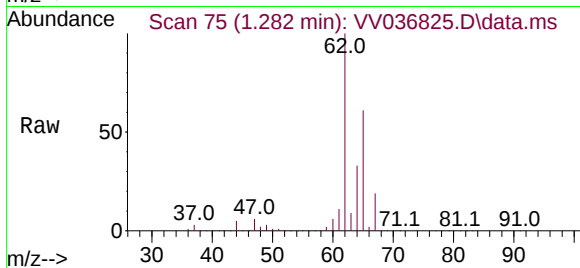
ClientSampleId :

Tgt Ion: 62 Resp: 214122

Ion Ratio Lower Upper

62 100

64 32.6 23.6 43.8



#6

Bromomethane

Concen: 50.473 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.000 min

Lab File: VV036825.D

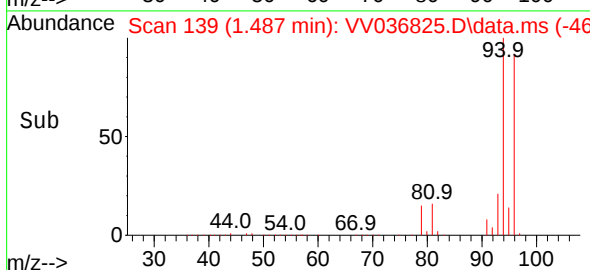
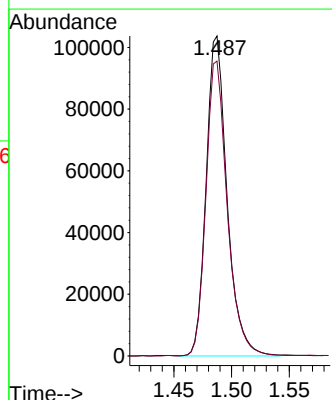
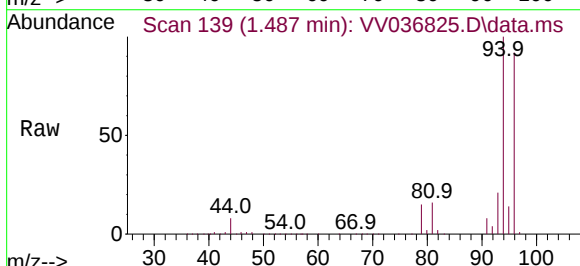
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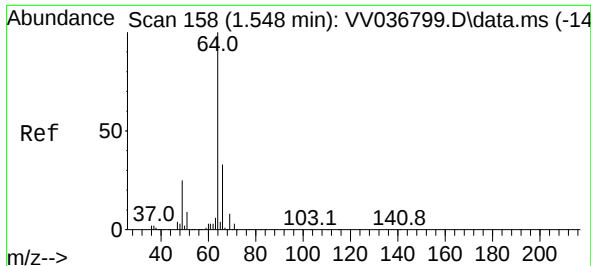
Tgt Ion: 94 Resp: 130561

Ion Ratio Lower Upper

94 100

96 92.2 65.5 121.7

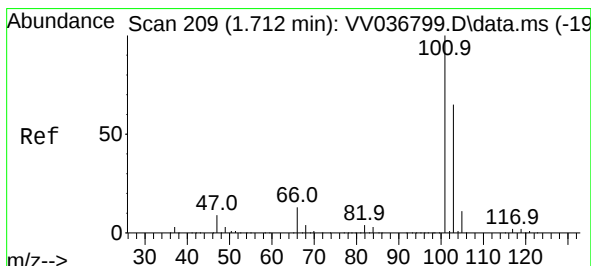
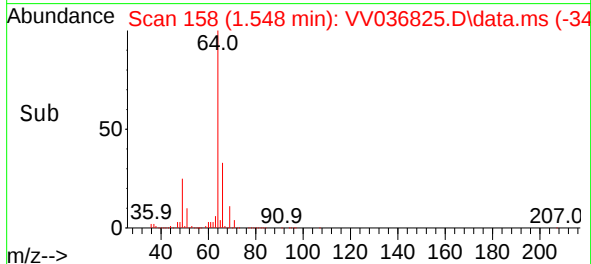
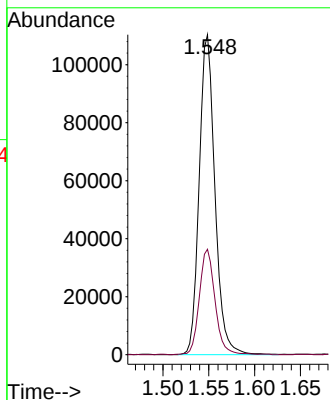
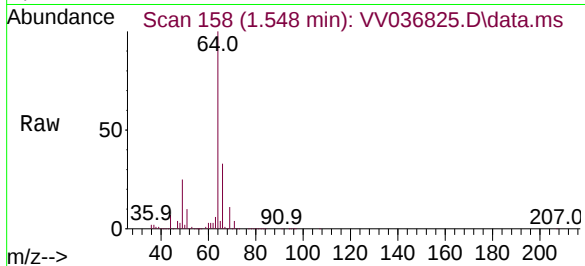




#8
Chloroethane
Concen: 51.689 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

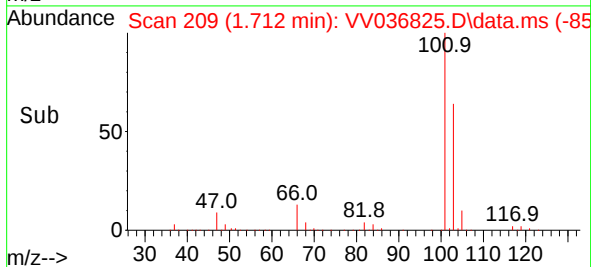
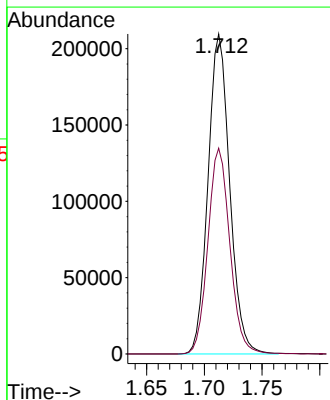
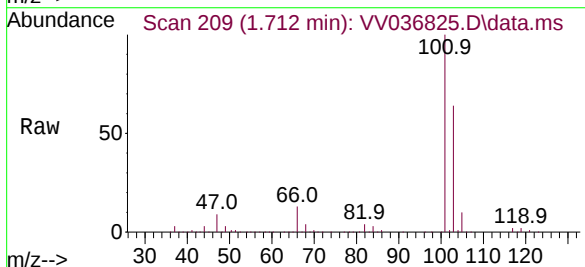
Instrument :
MSVOA_V
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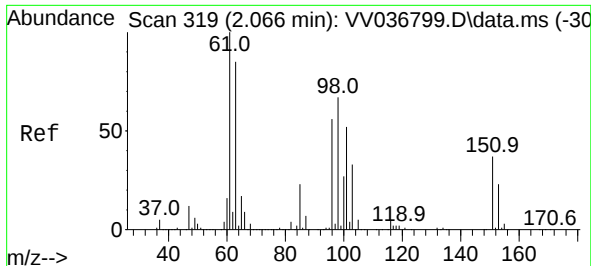
Tgt Ion: 64 Resp: 131546
Ion Ratio Lower Upper
64 100
66 33.0 23.2 43.0



#9
Trichlorofluoromethane
Concen: 50.845 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

Tgt Ion:101 Resp: 273630
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.0

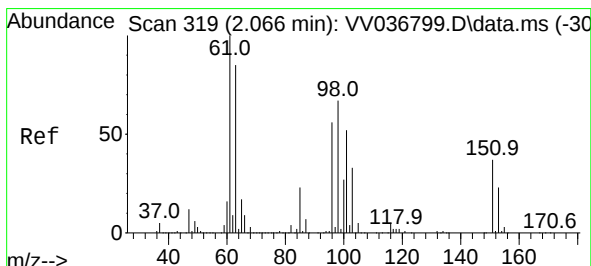
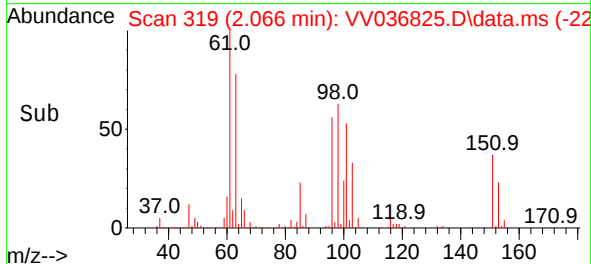
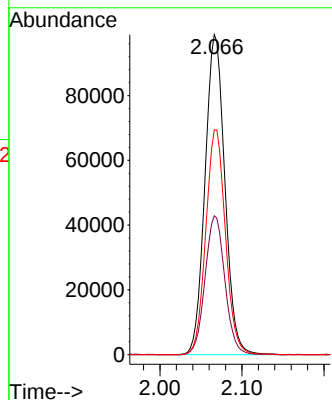
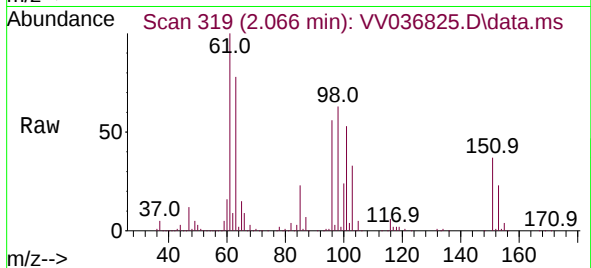




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 52.336 ug/L
RT: 2.066 min Scan# 319
Delta R.T. 0.000 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

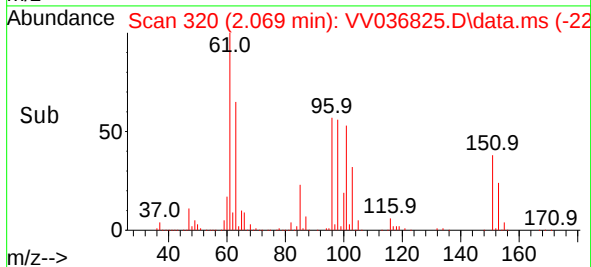
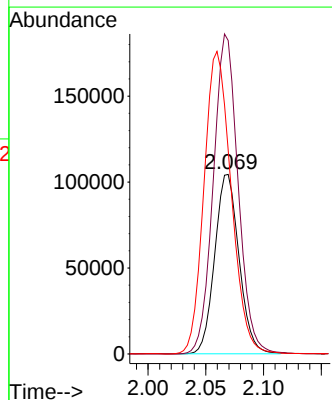
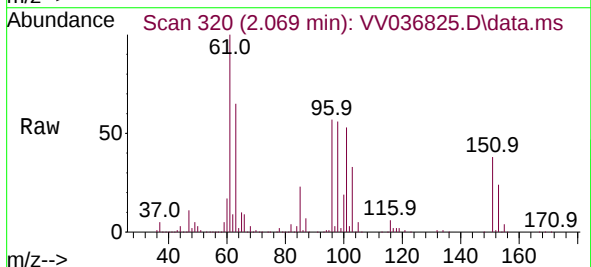
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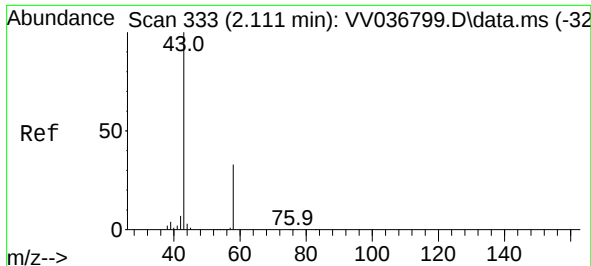
Tgt Ion:101 Resp: 165961
Ion Ratio Lower Upper
101 100
85 43.5 34.6 51.8
151 69.7 55.9 83.9



#12
1,1-Dichloroethene
Concen: 50.331 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.003 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

Tgt Ion: 96 Resp: 152435
Ion Ratio Lower Upper
96 100
61 174.5 125.6 233.2
63 113.4 95.1 176.7





#13

Acetone

Concen: 93.372 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

Instrument :

MSVOA_V

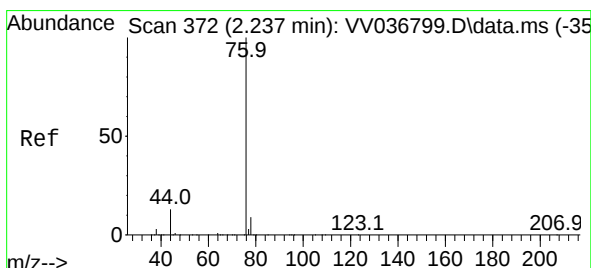
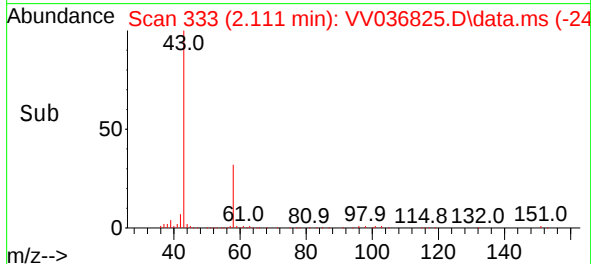
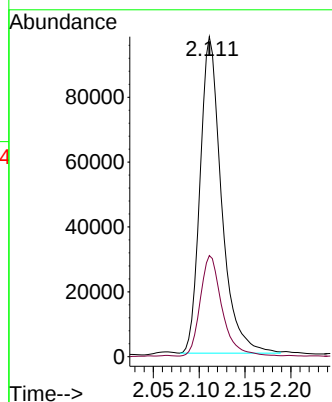
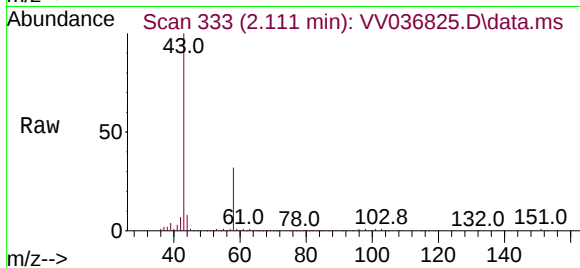
ClientSampleId :

Tgt Ion: 43 Resp: 158507

Ion Ratio Lower Upper

43 100

58 32.9 0.0 63.4



#14

Carbon disulfide

Concen: 49.088 ug/L

RT: 2.237 min Scan# 372

Delta R.T. 0.000 min

Lab File: VV036825.D

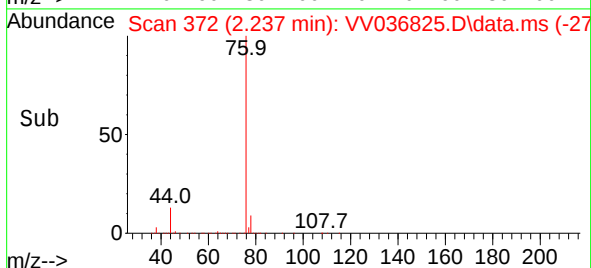
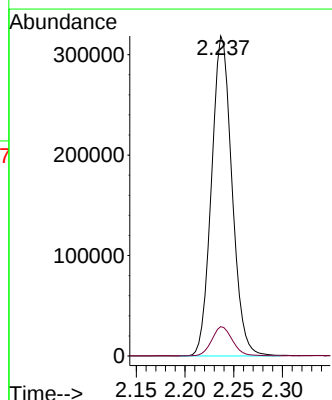
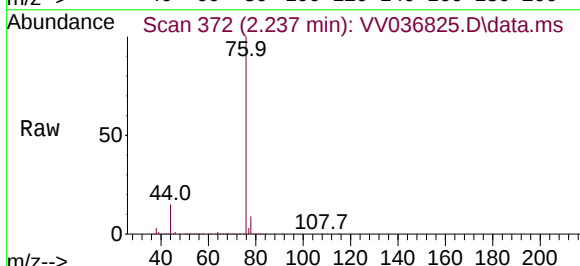
Acq: 07 Aug 2024 08:45

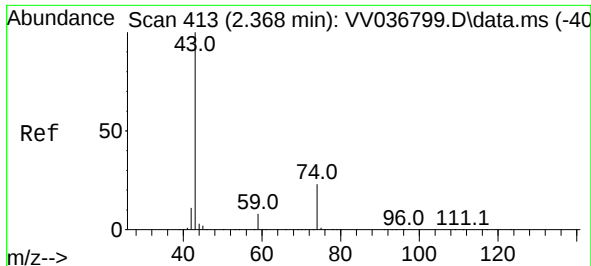
Tgt Ion: 76 Resp: 467003

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7





#15

Methyl Acetate

Concen: 42.929 ug/L

RT: 2.372 min Scan# 413

Delta R.T. 0.003 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

Instrument :

MSVOA_V

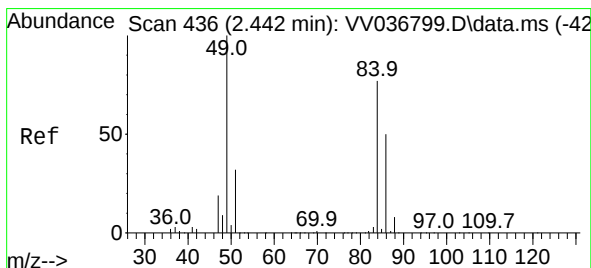
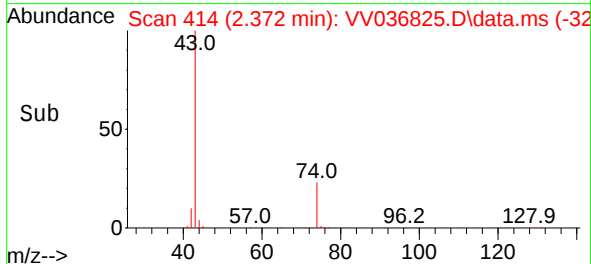
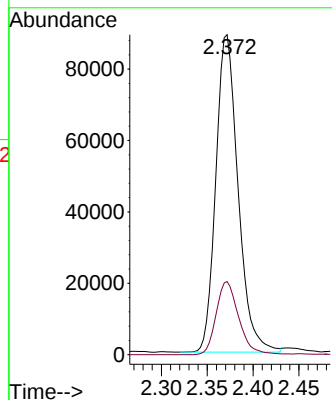
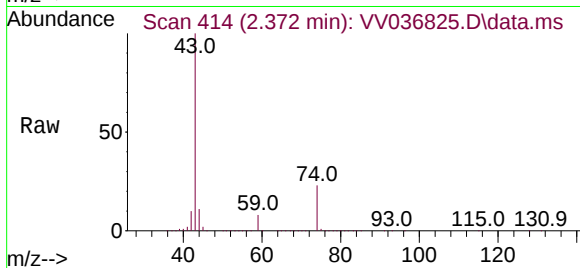
ClientSampleId :

Tgt Ion: 43 Resp: 150125

Ion Ratio Lower Upper

43 100

74 23.4 19.0 28.4



#16

Methylene chloride

Concen: 50.496 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

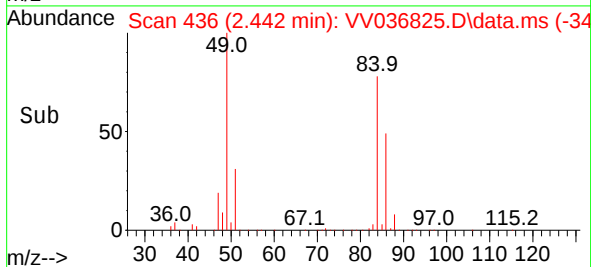
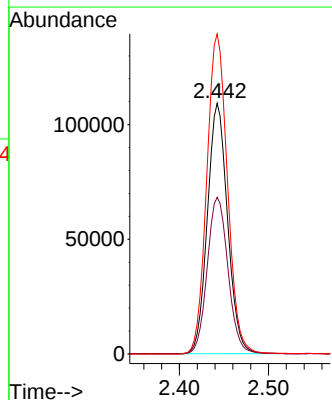
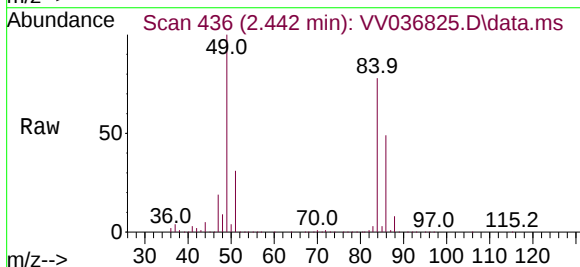
Tgt Ion: 84 Resp: 171929

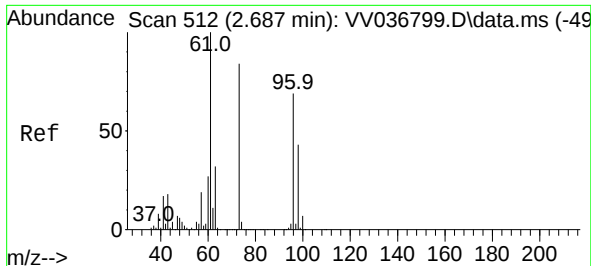
Ion Ratio Lower Upper

84 100

86 62.5 44.3 82.3

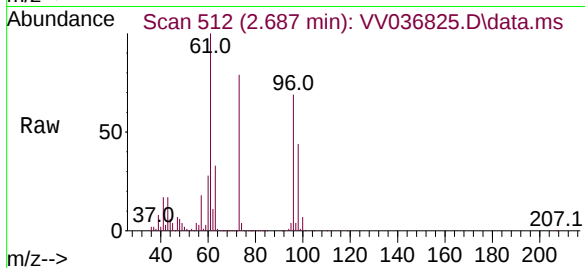
49 127.6 91.1 169.1



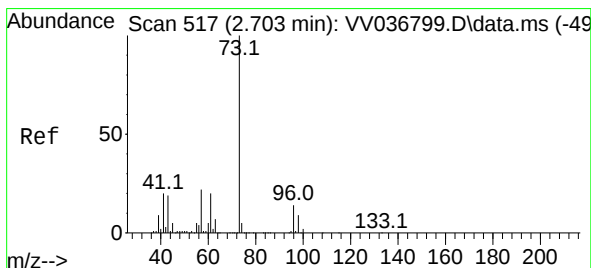
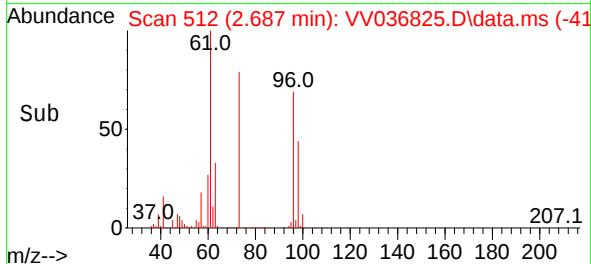
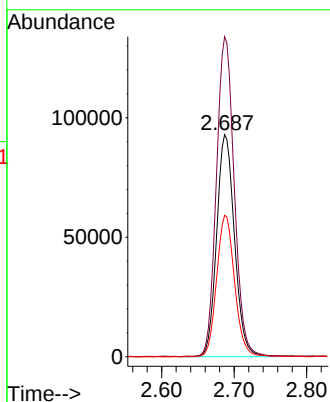


#17
trans-1,2-Dichloroethene
Concen: 50.785 ug/L
RT: 2.687 min Scan# 512
Delta R.T. 0.000 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

Instrument :
MSVOA_V
ClientSampleId :

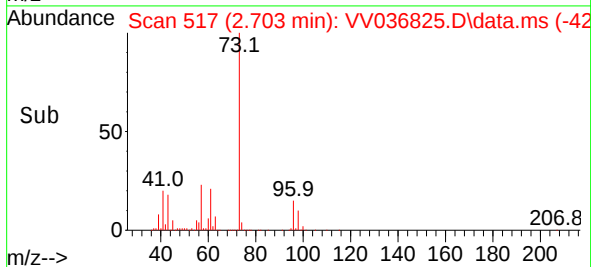
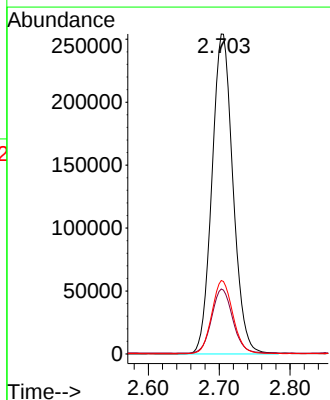
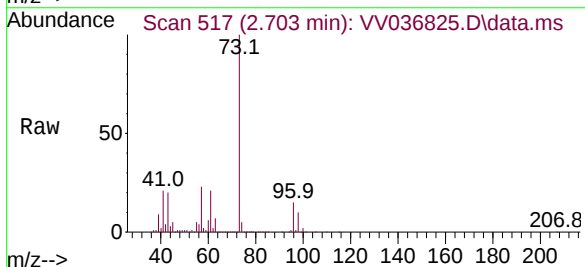


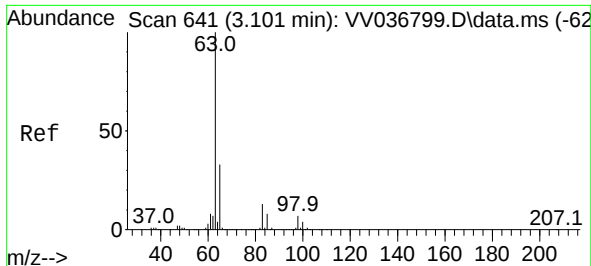
Tgt Ion: 96 Resp: 159320
Ion Ratio Lower Upper
96 100
61 144.1 100.0 185.8
98 63.7 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 47.427 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

Tgt Ion: 73 Resp: 524018
Ion Ratio Lower Upper
73 100
43 20.0 16.1 24.1
57 22.8 17.9 26.9

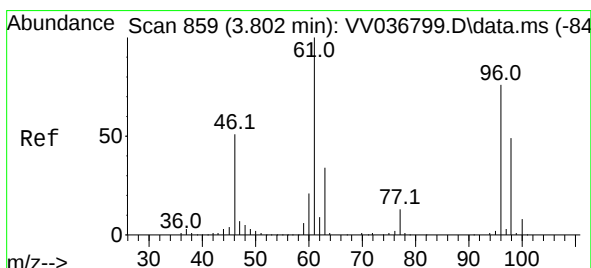
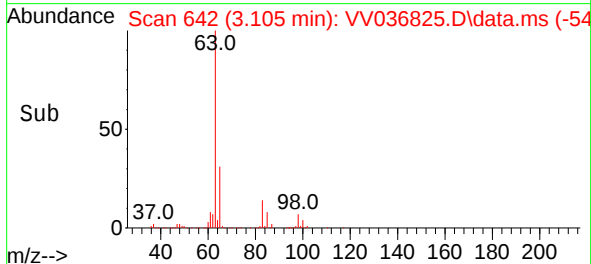
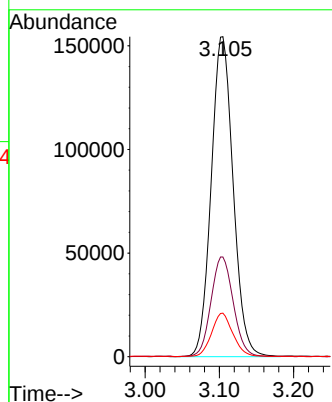
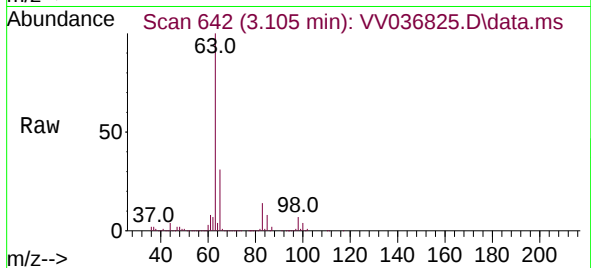




#19
1,1-Dichloroethane
Concen: 50.083 ug/L
RT: 3.105 min Scan# 641
Delta R.T. 0.003 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

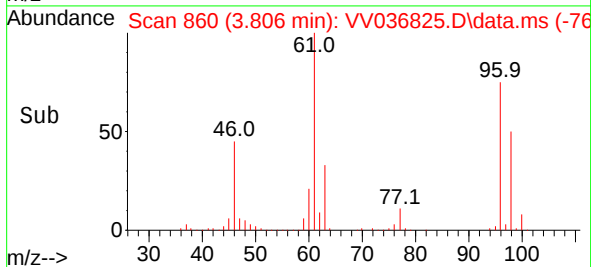
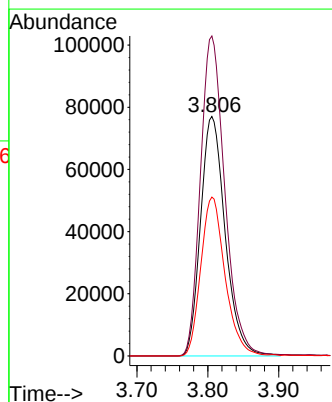
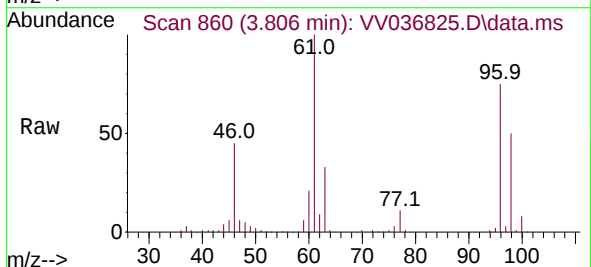
Instrument :
MSVOA_V
ClientSampleId :

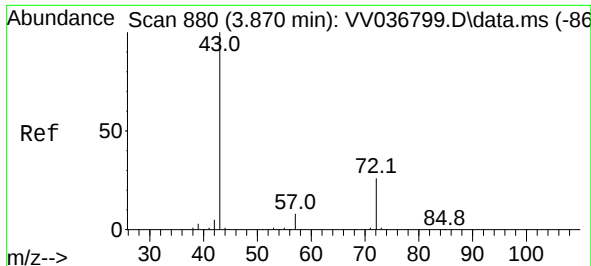
Tgt Ion: 63 Resp: 317432
Ion Ratio Lower Upper
63 100
65 31.1 23.2 43.0
83 13.6 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 50.493 ug/L
RT: 3.806 min Scan# 860
Delta R.T. 0.003 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

Tgt Ion: 96 Resp: 185921
Ion Ratio Lower Upper
96 100
61 133.6 93.9 174.5
98 66.4 46.0 85.4

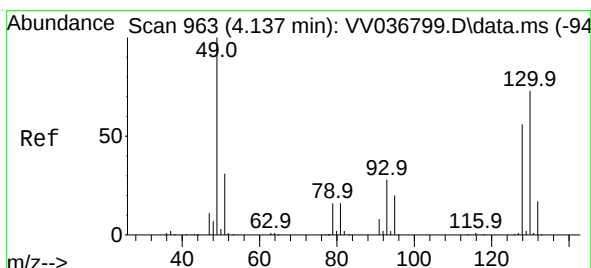
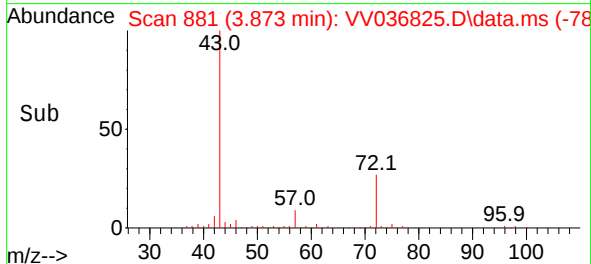
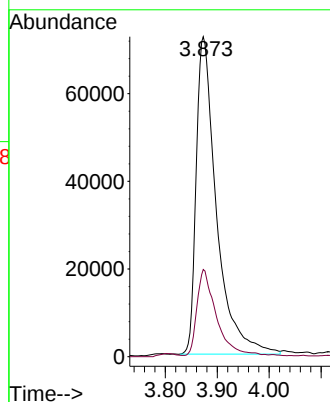
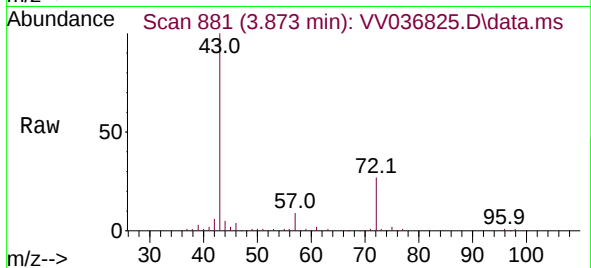




#22
2-Butanone
Concen: 86.495 ug/L
RT: 3.873 min Scan# 880
Delta R.T. 0.003 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

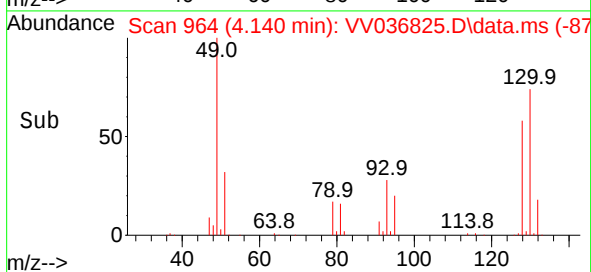
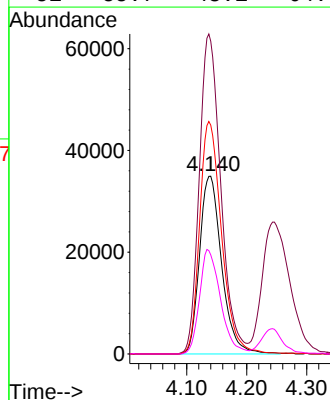
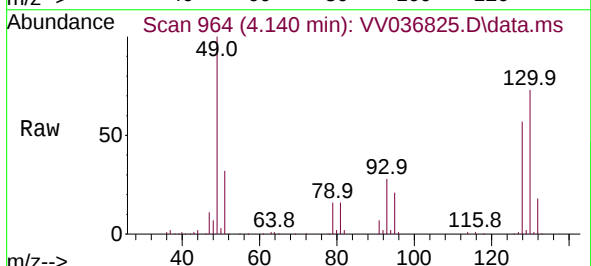
Instrument :
MSVOA_V
ClientSampleId :

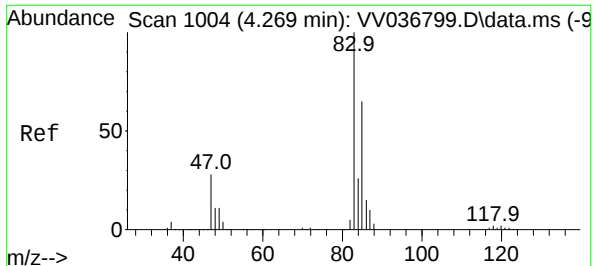
Tgt Ion: 43 Resp: 196703
Ion Ratio Lower Upper
43 100
72 25.1 12.5 37.5



#23
Bromochloromethane
Concen: 50.153 ug/L
RT: 4.140 min Scan# 964
Delta R.T. 0.003 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

Tgt Ion:128 Resp: 89706
Ion Ratio Lower Upper
128 100
49 175.9 120.0 223.0
130 128.8 87.0 161.6
51 55.7 43.1 64.7





#25

Chloroform

Concen: 50.513 ug/L

RT: 4.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

Instrument :

MSVOA_V

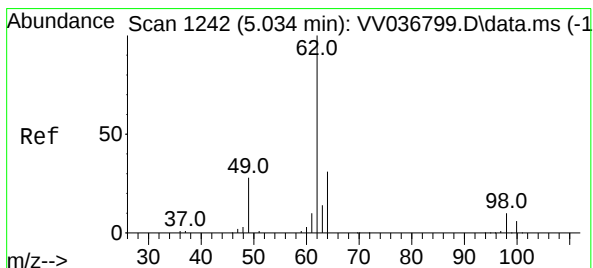
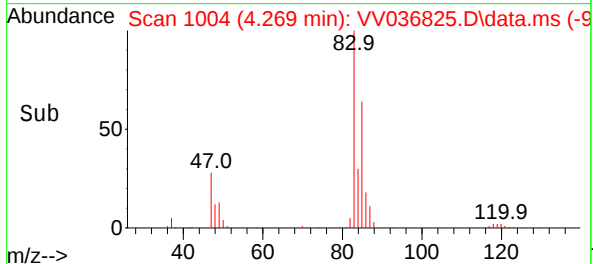
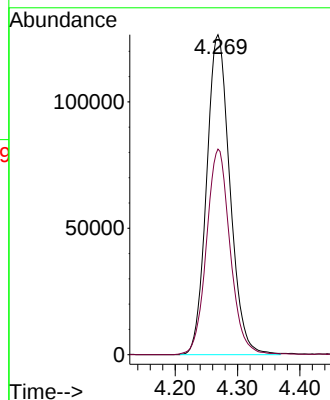
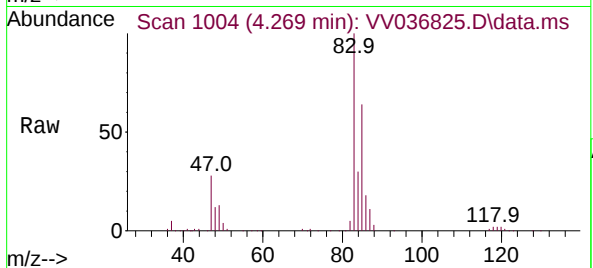
ClientSampleId :

Tgt Ion: 83 Resp: 328830

Ion Ratio Lower Upper

83 100

85 64.3 46.0 85.4



#27

1,2-Dichloroethane

Concen: 48.633 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VV036825.D

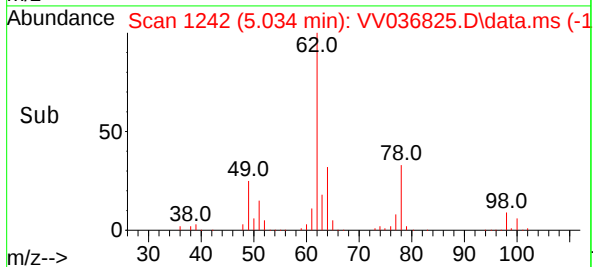
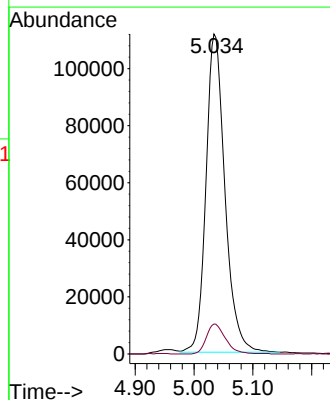
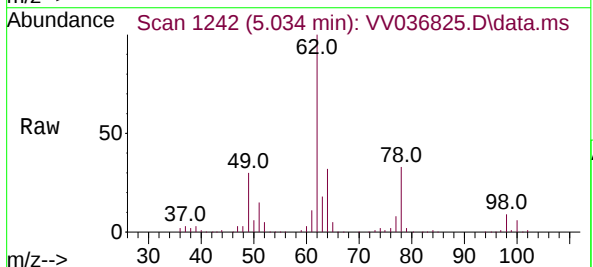
Acq: 07 Aug 2024 08:45

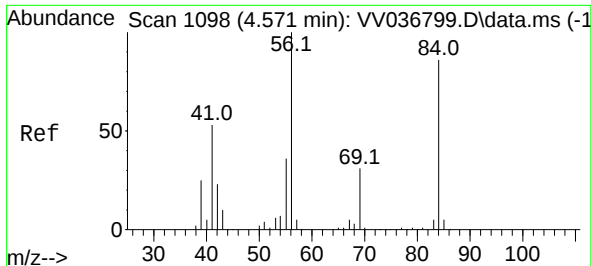
Tgt Ion: 62 Resp: 249727

Ion Ratio Lower Upper

62 100

98 9.4 7.5 11.3





#29

Cyclohexane

Concen: 51.505 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

Instrument :

MSVOA_V

ClientSampleId :

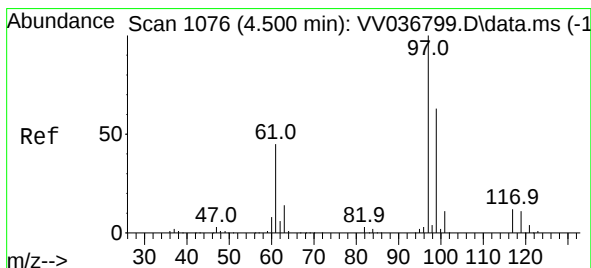
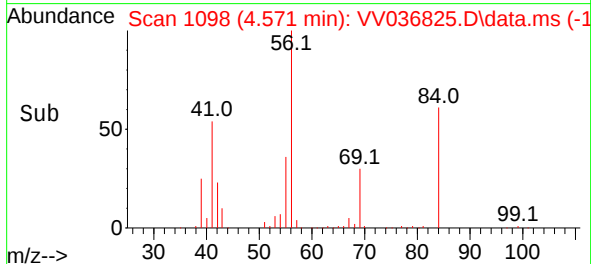
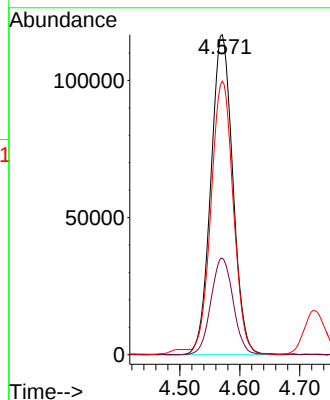
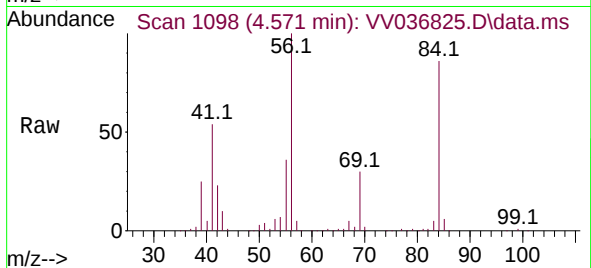
Tgt Ion: 56 Resp: 296708

Ion Ratio Lower Upper

56 100

69 30.5 24.7 37.1

84 85.9 68.5 102.7



#30

1,1,1-Trichloroethane

Concen: 49.629 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

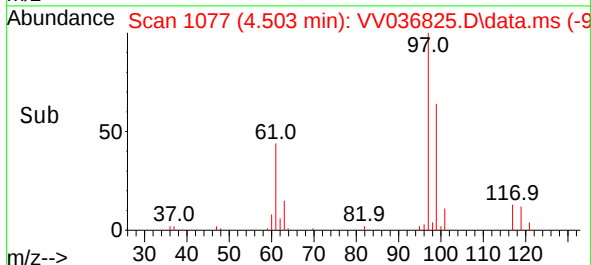
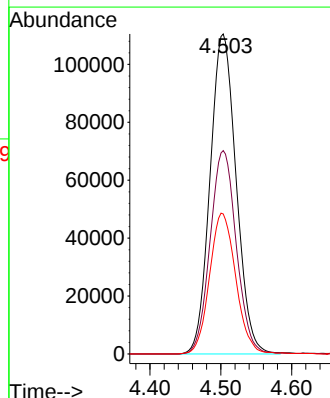
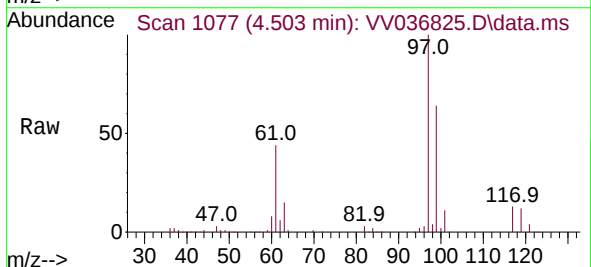
Tgt Ion: 97 Resp: 282704

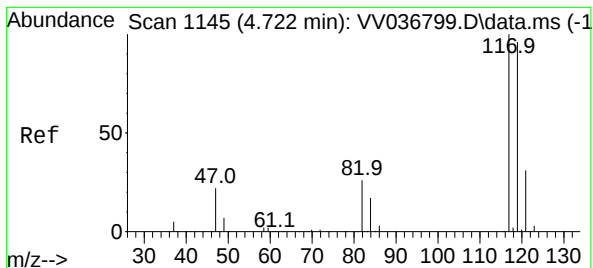
Ion Ratio Lower Upper

97 100

99 63.9 51.5 77.3

61 44.1 36.0 54.0





#31

Carbon tetrachloride

Concen: 50.225 ug/L

RT: 4.725 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

Instrument :

MSVOA_V

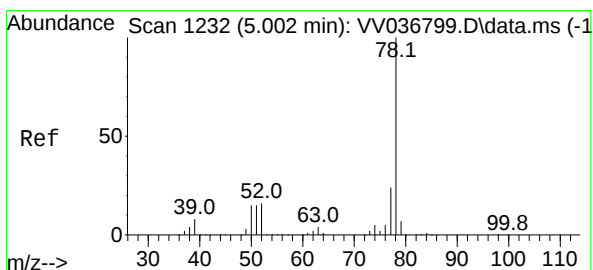
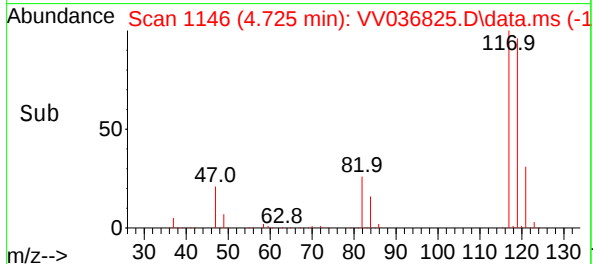
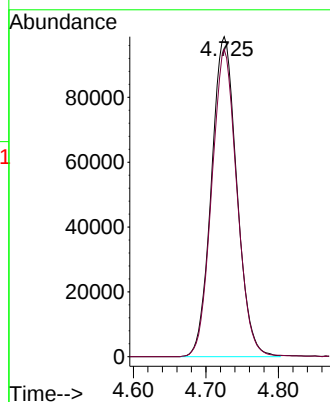
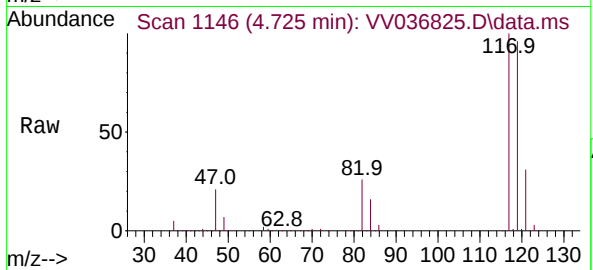
ClientSampleId :

Tgt Ion:117 Resp: 240274

Ion Ratio Lower Upper

117 100

119 95.3 76.1 114.1



#33

Benzene

Concen: 51.749 ug/L

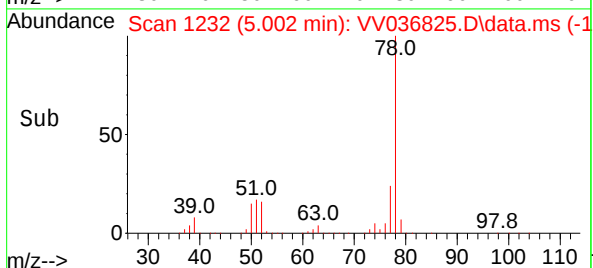
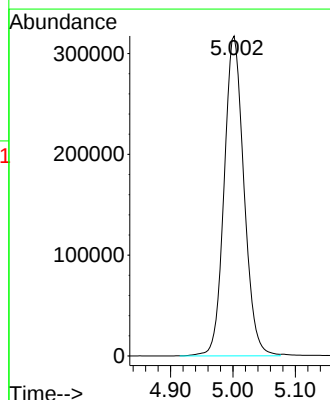
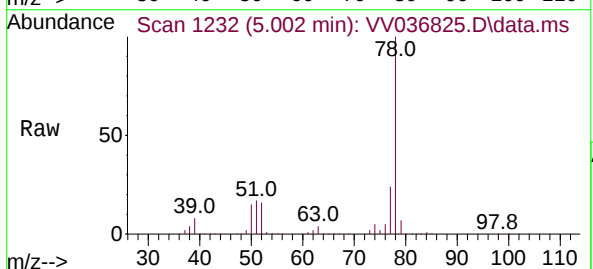
RT: 5.002 min Scan# 1232

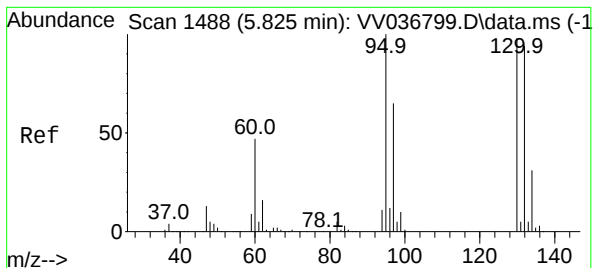
Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

Tgt Ion: 78 Resp: 699825





#34

Trichloroethene

Concen: 48.656 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 190700

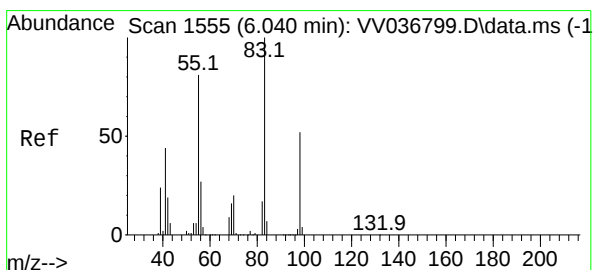
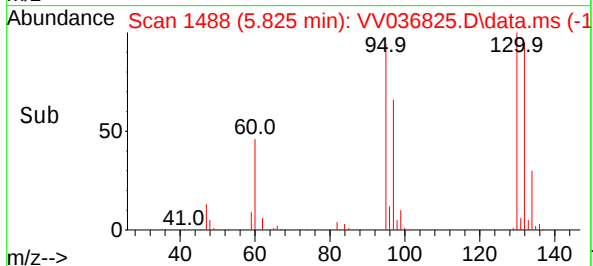
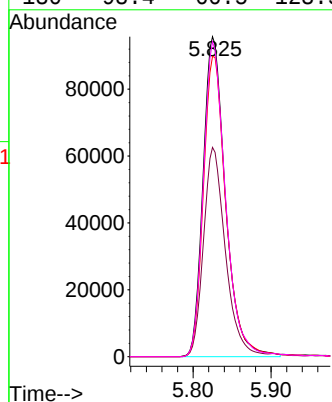
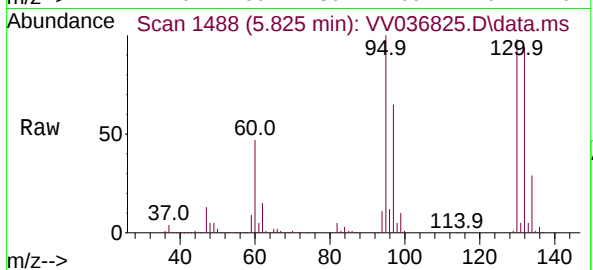
Ion Ratio Lower Upper

95 100

97 65.4 44.7 82.9

132 93.9 62.9 116.9

130 98.4 66.5 123.5



#35

Methylcyclohexane

Concen: 51.206 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

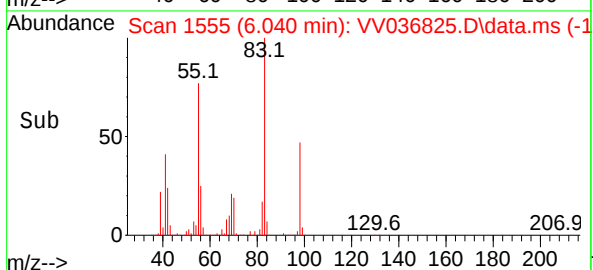
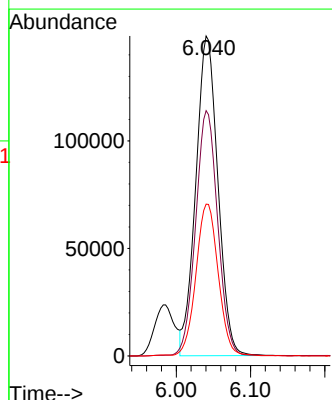
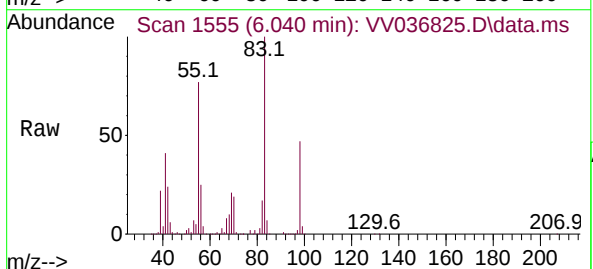
Tgt Ion: 83 Resp: 307962

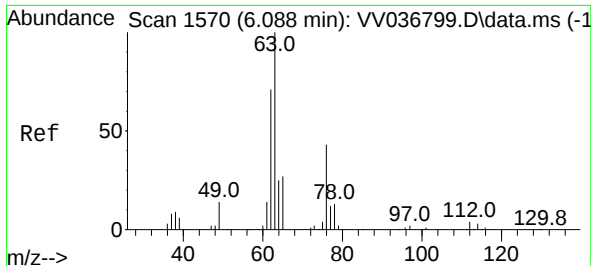
Ion Ratio Lower Upper

83 100

55 76.3 62.3 93.5

98 47.9 38.7 58.1

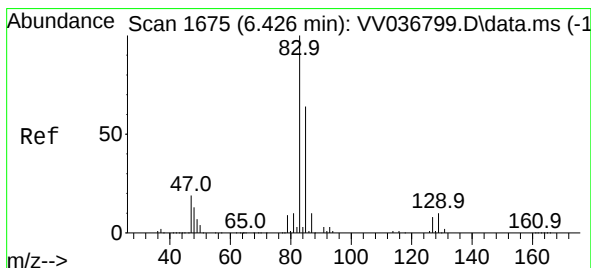
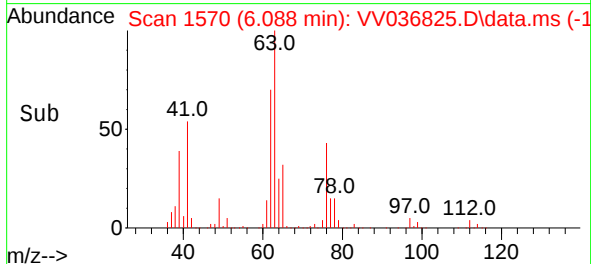
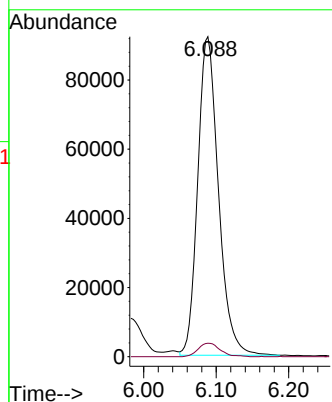
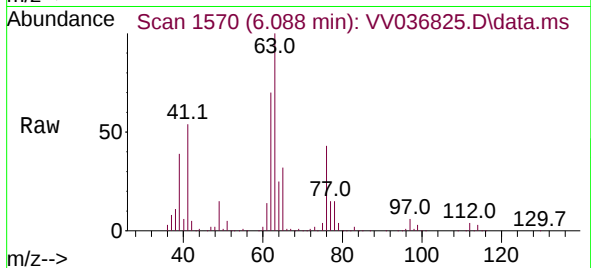




#37
1,2-Dichloropropane
Concen: 51.052 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

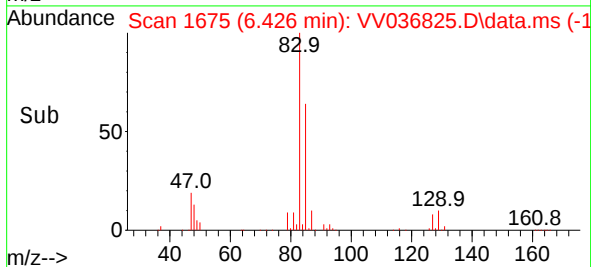
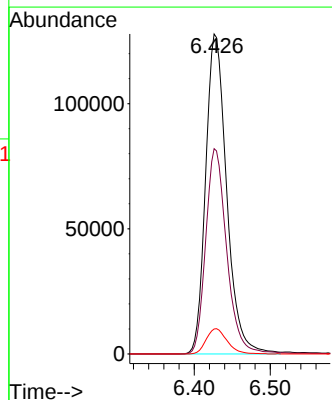
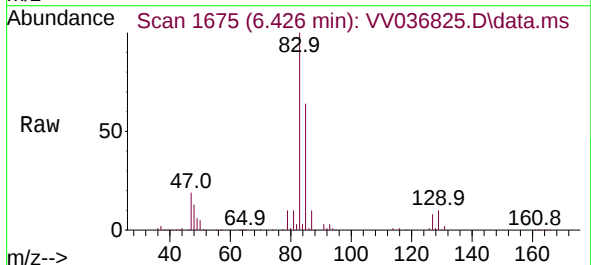
Instrument :
MSVOA_V
ClientSampleId :

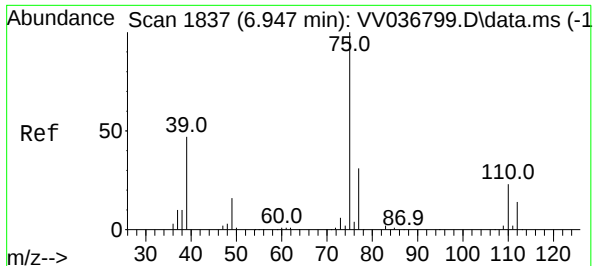
Tgt Ion: 63 Resp: 182892
Ion Ratio Lower Upper
63 100
112 4.5 3.6 5.4



#38
Bromodichloromethane
Concen: 49.766 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

Tgt Ion: 83 Resp: 245513
Ion Ratio Lower Upper
83 100
85 64.1 44.7 83.1
127 7.8 6.2 9.4

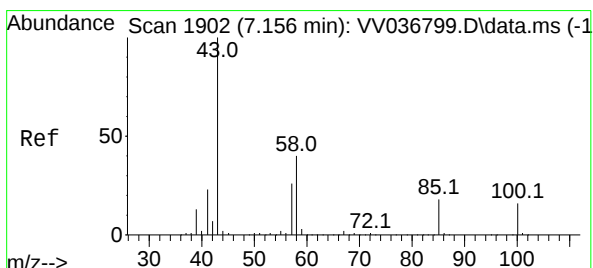
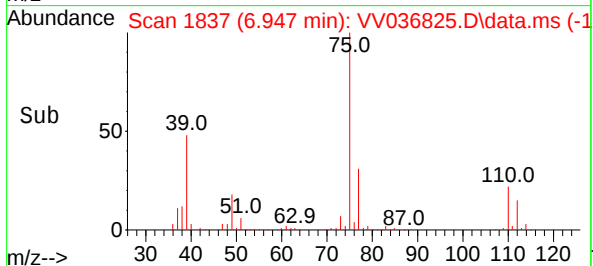
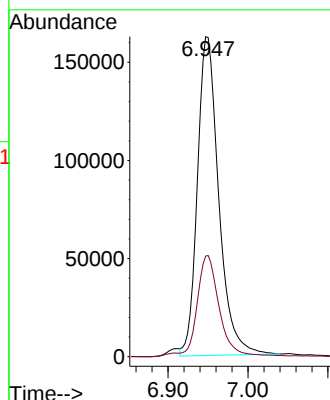
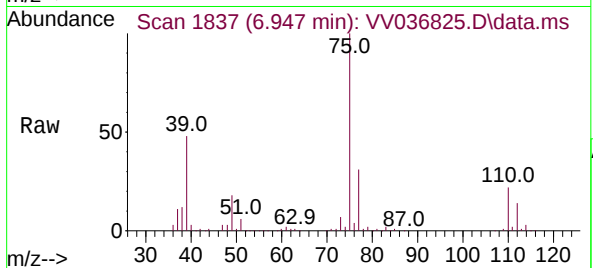




#39
 cis-1,3-Dichloropropene
 Concen: 49.261 ug/L
 RT: 6.947 min Scan# 1837
 Delta R.T. 0.000 min
 Lab File: VV036825.D
 Acq: 07 Aug 2024 08:45

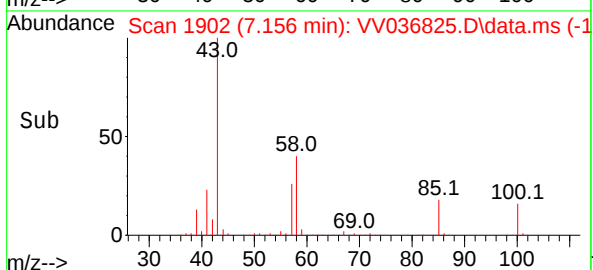
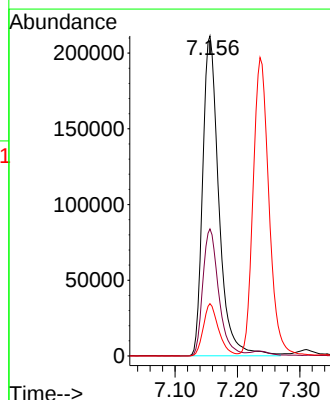
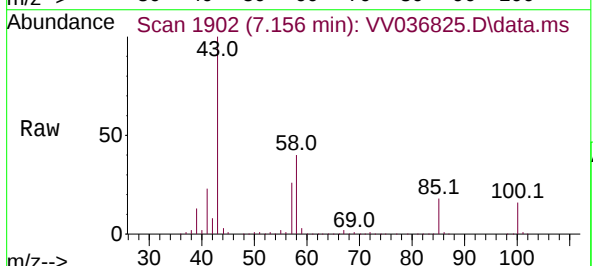
Instrument :
 MSVOA_V
 ClientSampleId :

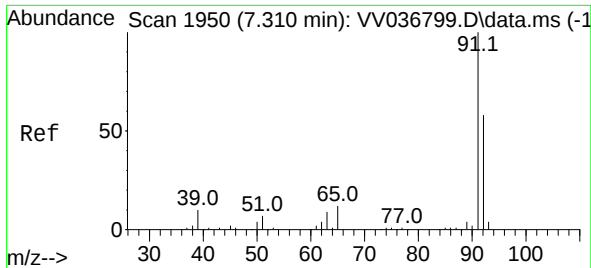
Tgt Ion: 75 Resp: 302242
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 85.949 ug/L
 RT: 7.156 min Scan# 1902
 Delta R.T. 0.000 min
 Lab File: VV036825.D
 Acq: 07 Aug 2024 08:45

Tgt Ion: 43 Resp: 381429
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.3 46.9
 100 15.5 12.6 18.8





#42

Toluene

Concen: 51.091 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

Instrument :

MSVOA_V

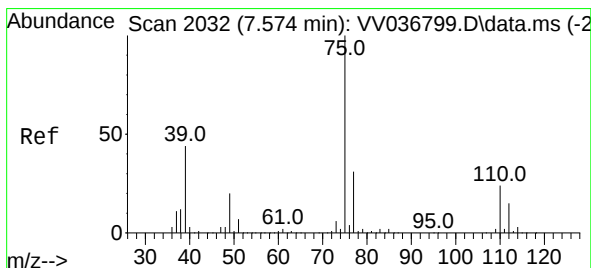
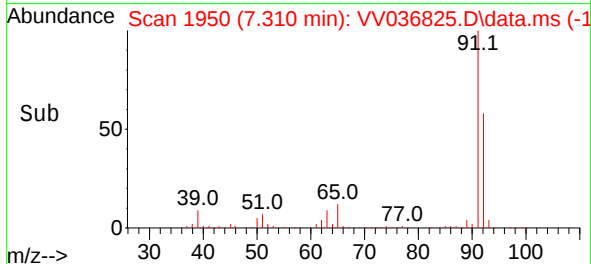
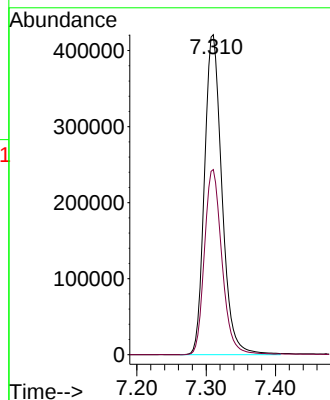
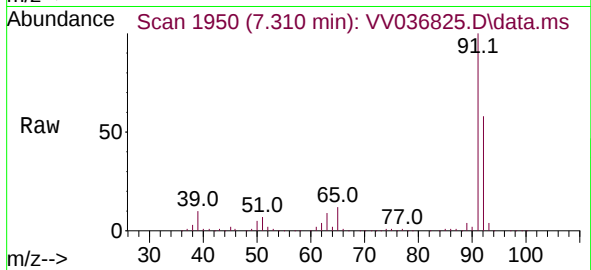
ClientSampleId :

Tgt Ion: 91 Resp: 735930

Ion Ratio Lower Upper

91 100

92 57.8 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 49.015 ug/L

RT: 7.574 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VV036825.D

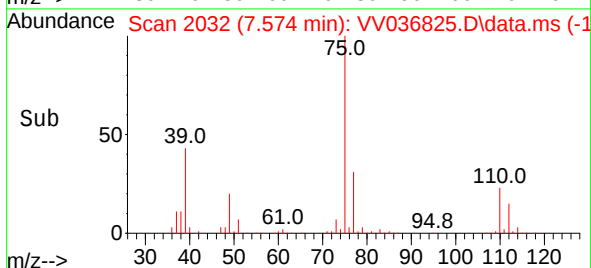
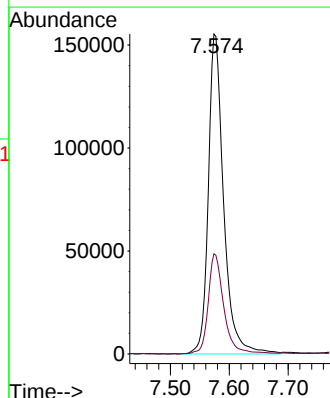
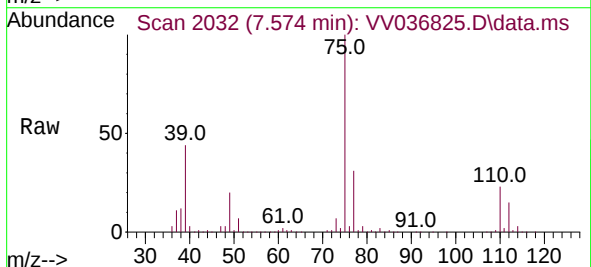
Acq: 07 Aug 2024 08:45

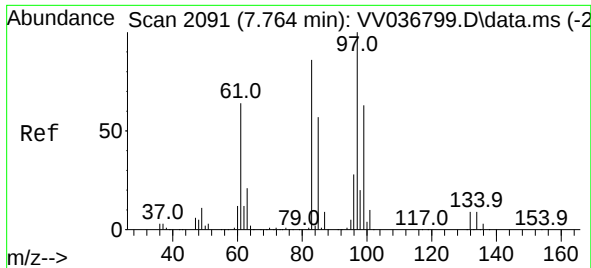
Tgt Ion: 75 Resp: 280230

Ion Ratio Lower Upper

75 100

77 31.3 22.4 41.6

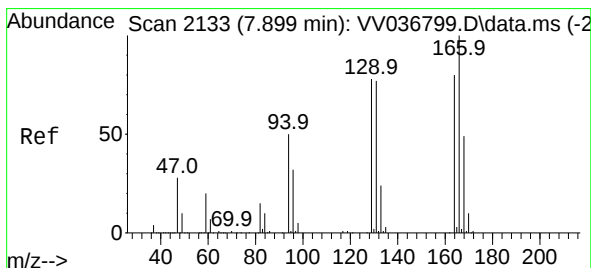
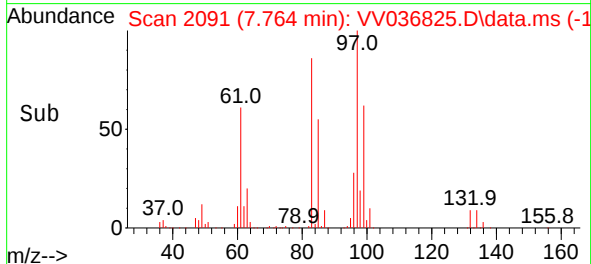
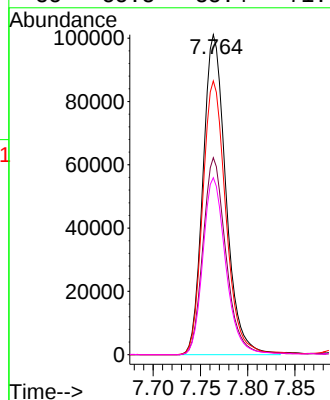
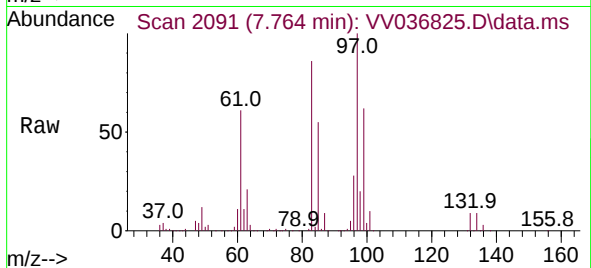




#45
1,1,2-Trichloroethane
Concen: 49.144 ug/L
RT: 7.764 min Scan# 2091
Delta R.T. 0.000 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

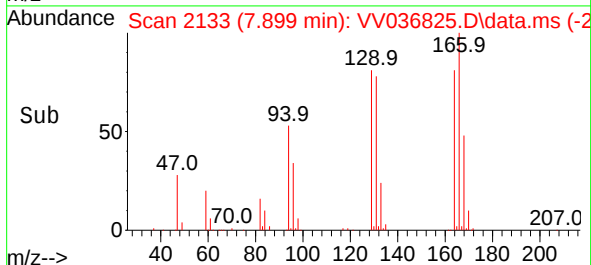
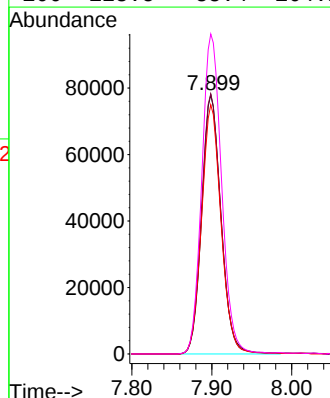
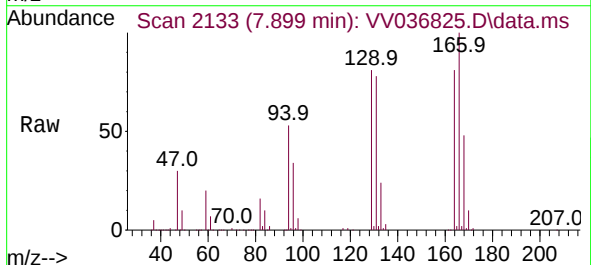
Instrument :
MSVOA_V
ClientSampleId :

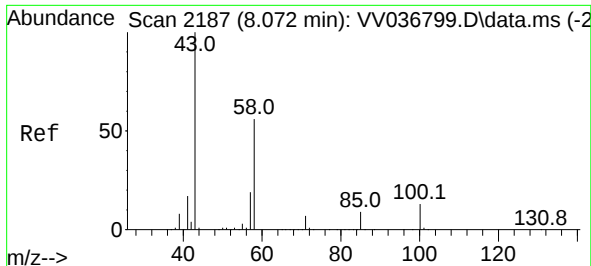
Tgt Ion:	97	Resp:	170499
Ion	Ratio	Lower	Upper
97	100		
99	61.6	44.0	81.6
83	85.5	60.1	111.5
85	55.3	38.4	71.4



#46
Tetrachloroethene
Concen: 50.885 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. 0.000 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

Tgt Ion:	164	Resp:	130817
Ion	Ratio	Lower	Upper
164	100		
129	100.4	70.4	130.8
131	96.2	67.7	125.7
166	123.5	88.4	164.2





#48

2-Hexanone

Concen: 86.190 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 281393

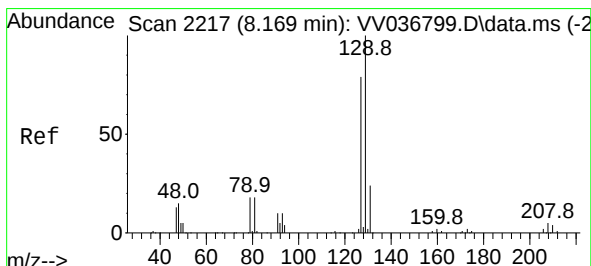
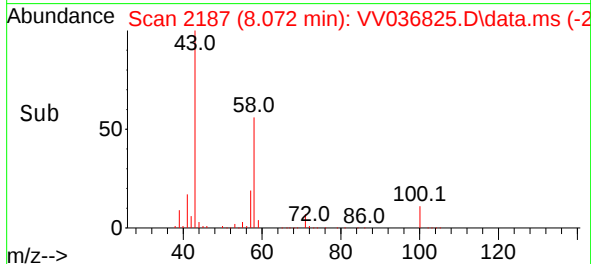
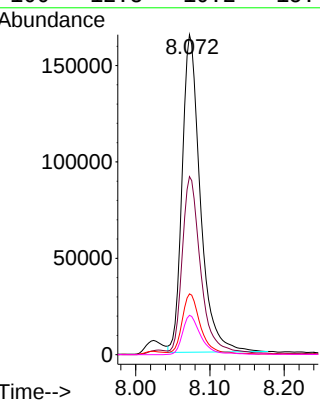
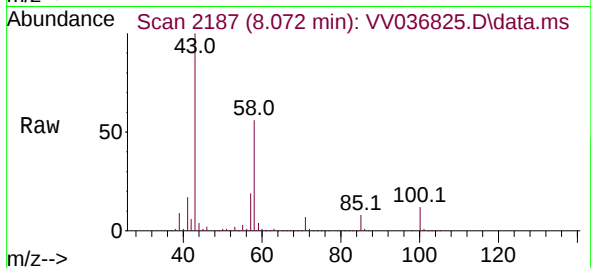
Ion Ratio Lower Upper

43 100

58 56.3 44.7 67.1

57 18.8 15.0 22.4

100 12.3 10.2 15.4



#49

Dibromochloromethane

Concen: 48.994 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.003 min

Lab File: VV036825.D

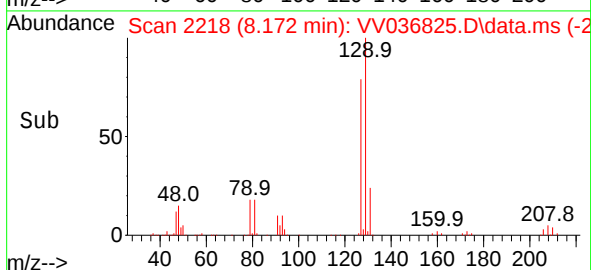
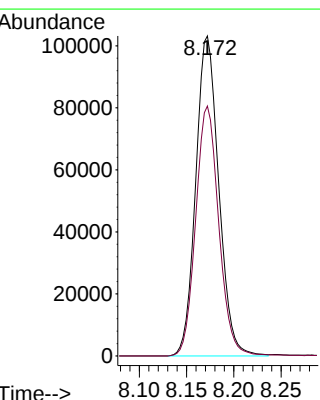
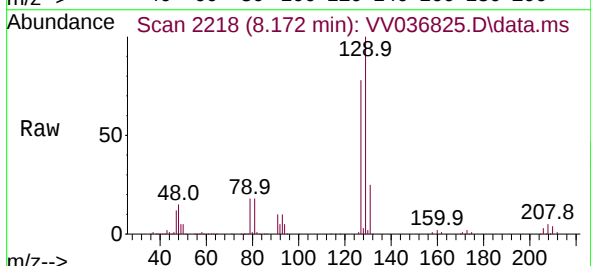
Acq: 07 Aug 2024 08:45

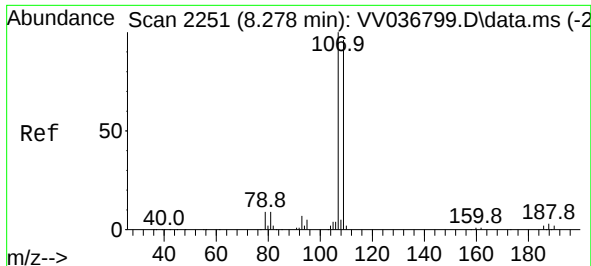
Tgt Ion:129 Resp: 174676

Ion Ratio Lower Upper

129 100

127 78.1 55.4 102.8





#50

1,2-Dibromoethane

Concen: 48.522 ug/L

RT: 8.278 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

Instrument :

MSVOA_V

ClientSampleId :

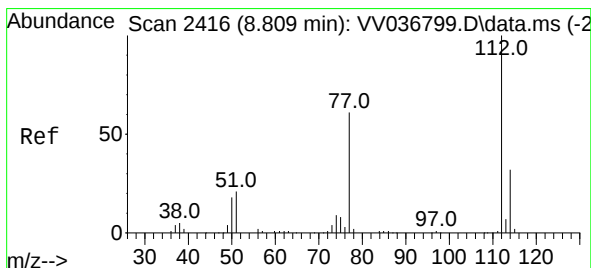
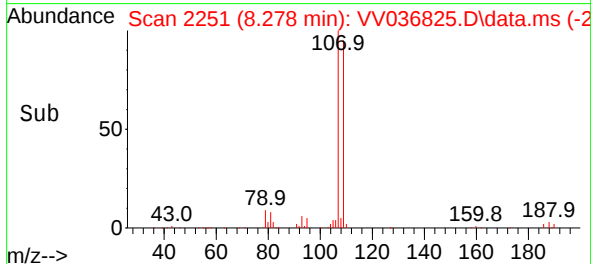
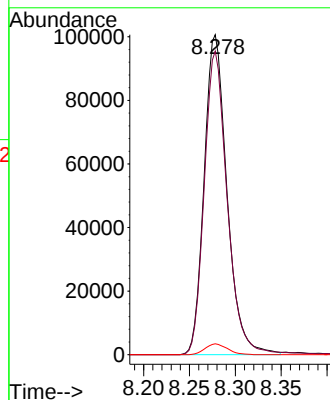
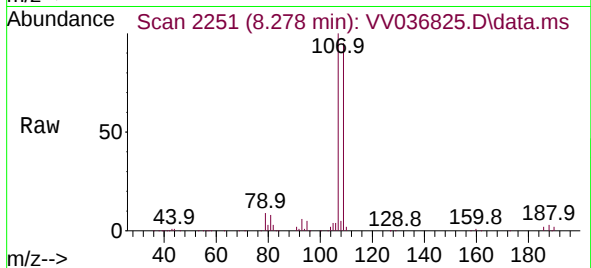
Tgt Ion:107 Resp: 174660

Ion Ratio Lower Upper

107 100

109 94.9 64.7 120.1

188 3.4 2.6 3.8



#51

Chlorobenzene

Concen: 50.900 ug/L

RT: 8.809 min Scan# 2416

Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

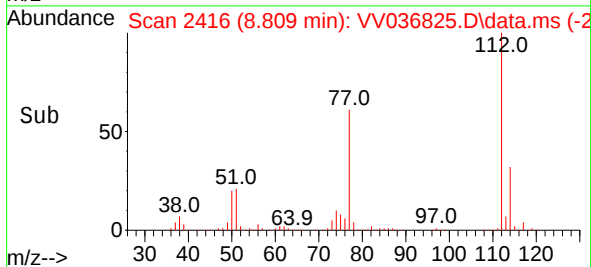
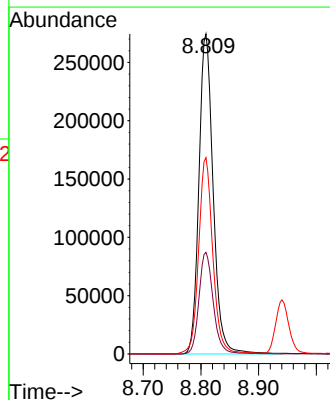
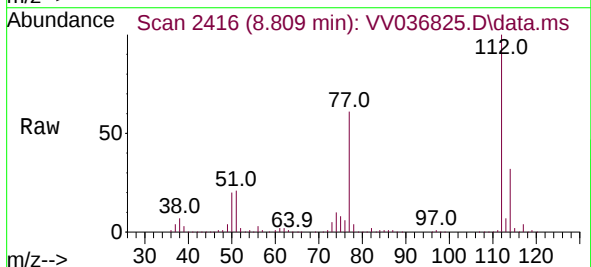
Tgt Ion:112 Resp: 470433

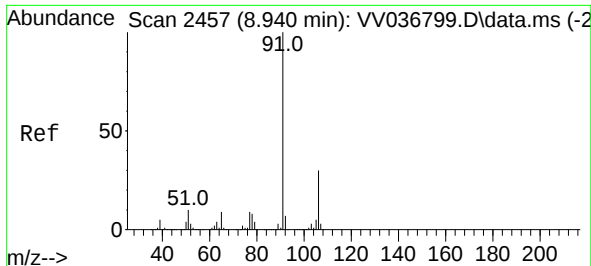
Ion Ratio Lower Upper

112 100

114 31.7 22.3 41.5

77 61.3 48.9 73.3





#52

Ethylbenzene

Concen: 51.278 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

Instrument :

MSVOA_V

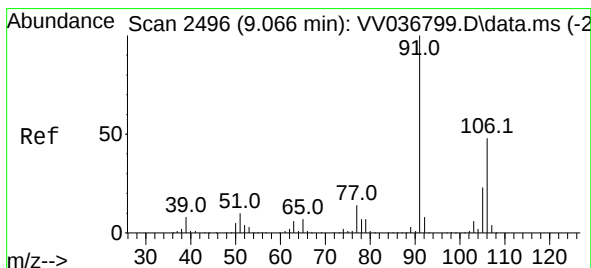
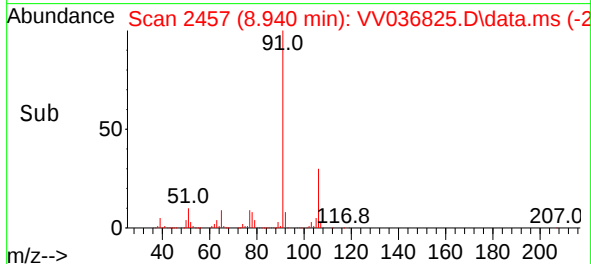
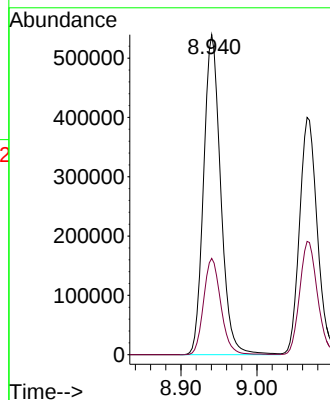
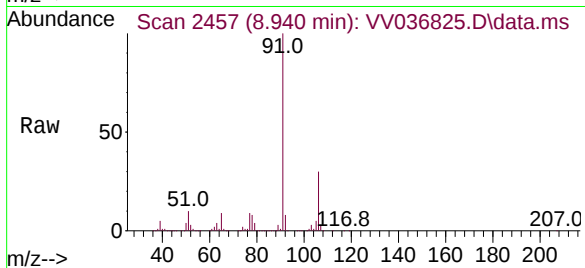
ClientSampleId :

Tgt Ion: 91 Resp: 843372

Ion Ratio Lower Upper

91 100

106 30.1 21.1 39.1



#53

m,p-Xylene

Concen: 50.568 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. 0.000 min

Lab File: VV036825.D

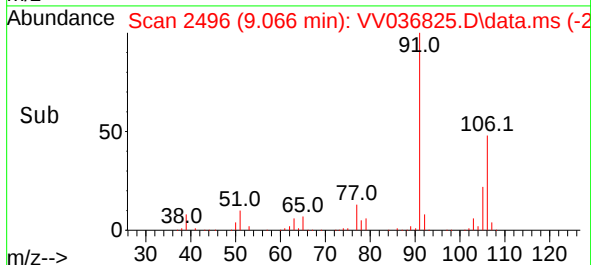
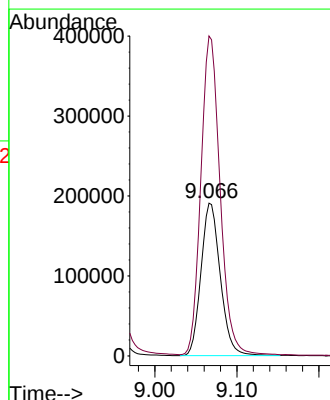
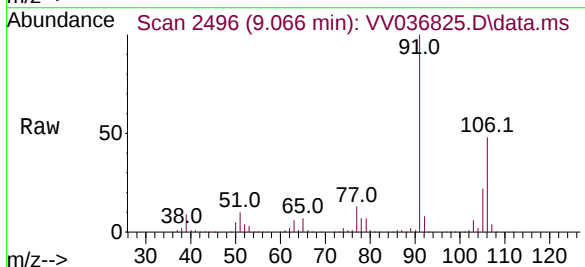
Acq: 07 Aug 2024 08:45

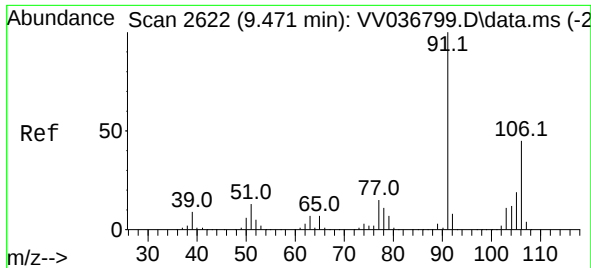
Tgt Ion: 106 Resp: 310879

Ion Ratio Lower Upper

106 100

91 209.4 147.1 273.3

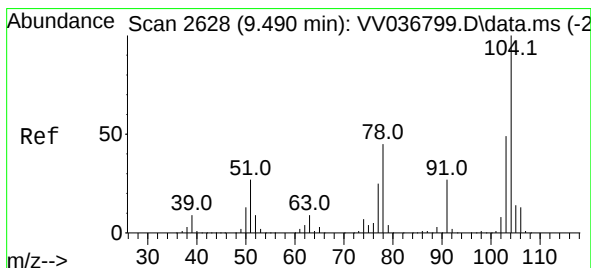
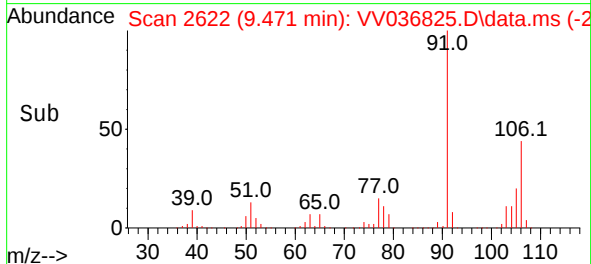
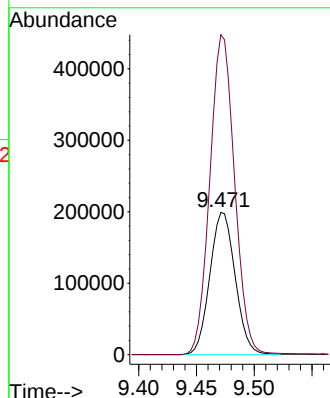
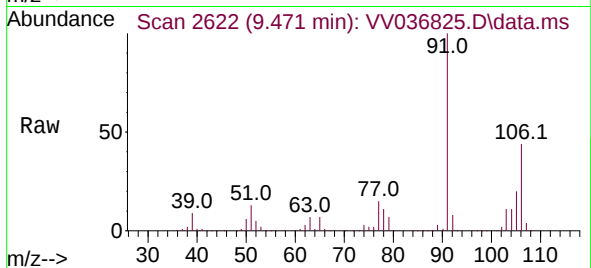




#54
o-Xylene
Concen: 50.581 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. 0.000 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

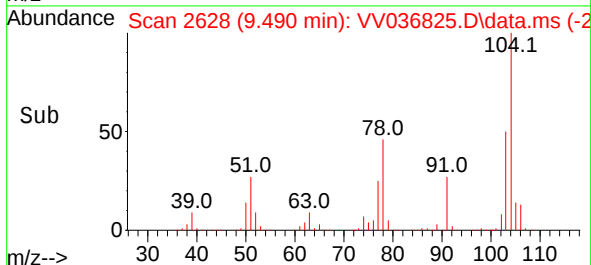
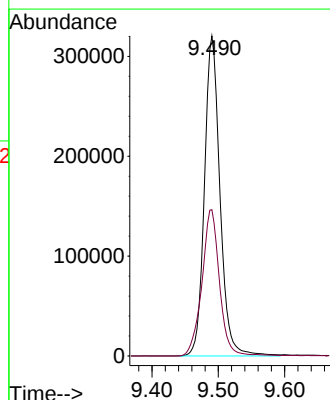
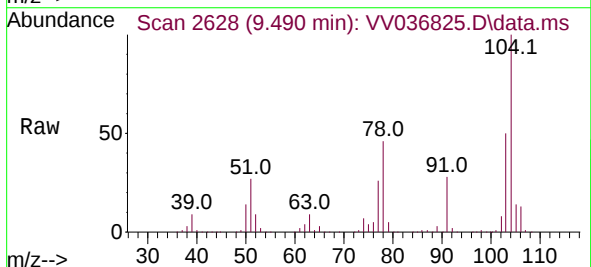
Instrument :
MSVOA_V
ClientSampleId :

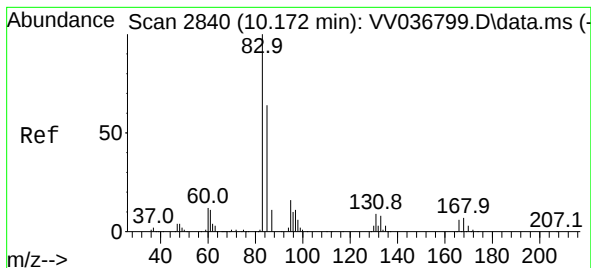
Tgt Ion:106 Resp: 304141
Ion Ratio Lower Upper
106 100
91 224.9 154.5 286.9



#55
Styrene
Concen: 50.855 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.000 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

Tgt Ion:104 Resp: 524037
Ion Ratio Lower Upper
104 100
78 45.7 32.1 59.7

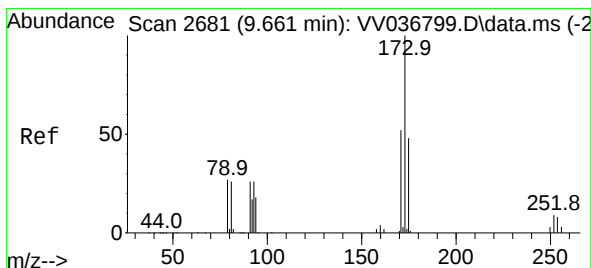
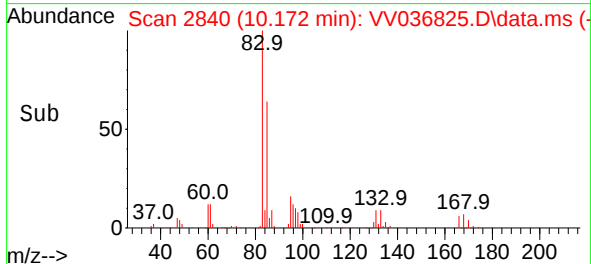
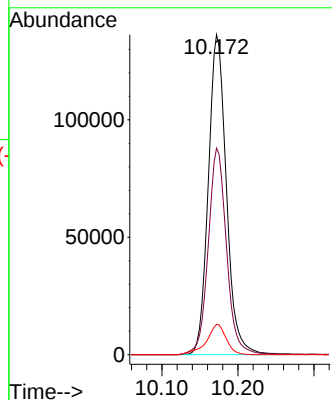
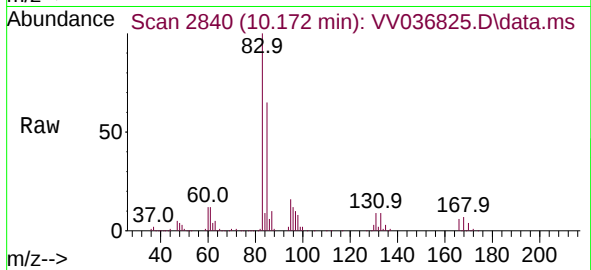




#57
1,1,2,2-Tetrachloroethane
Concen: 48.052 ug/L
RT: 10.172 min Scan# 2840
Delta R.T. 0.000 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

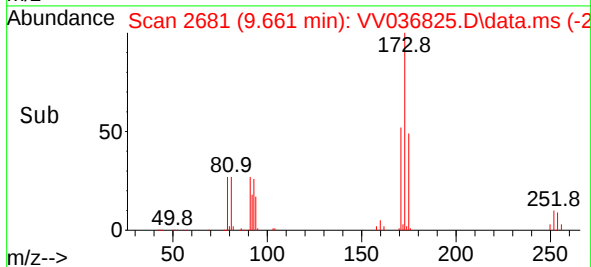
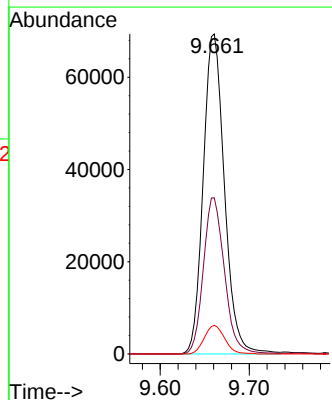
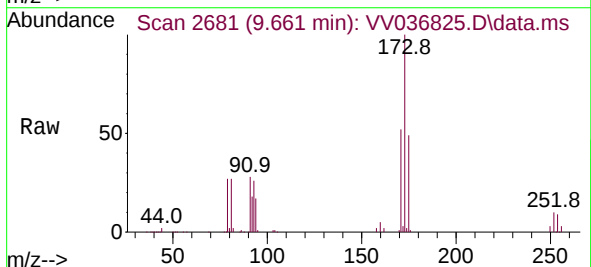
Instrument :
MSVOA_V
ClientSampleId :

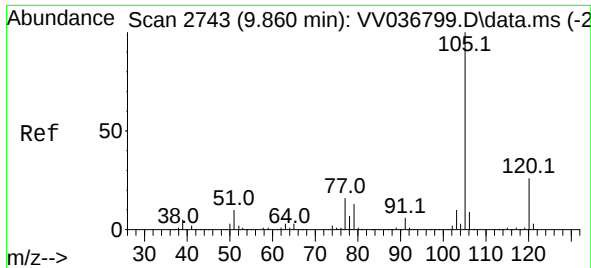
Tgt Ion: 83 Resp: 224947
Ion Ratio Lower Upper
83 100
85 64.5 44.7 83.1
131 9.4 7.2 10.8



#59
Bromoform
Concen: 46.684 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. 0.000 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

Tgt Ion: 173 Resp: 114825
Ion Ratio Lower Upper
173 100
175 48.5 39.8 59.8
254 8.6 6.8 10.2

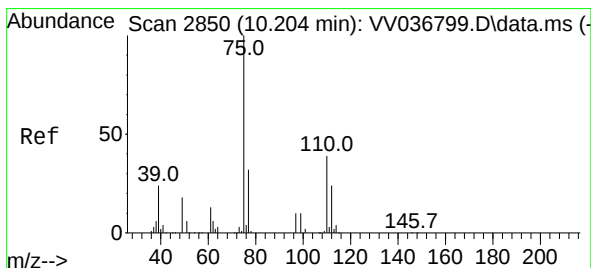
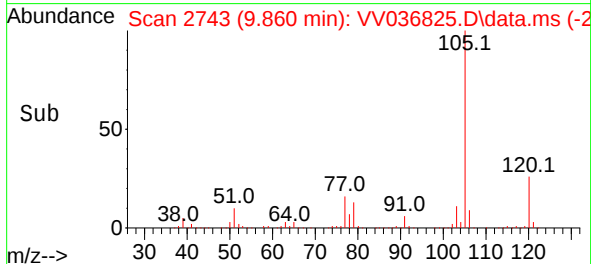
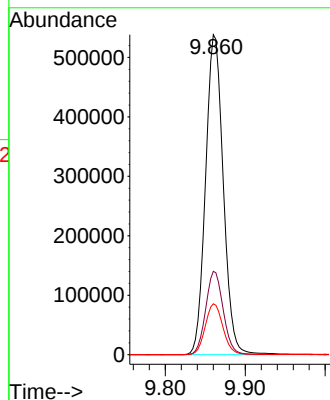
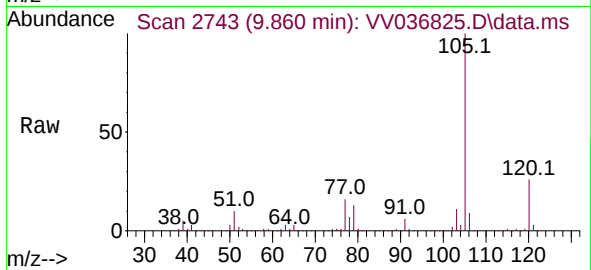




#60
Isopropylbenzene
Concen: 51.354 ug/L
RT: 9.860 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

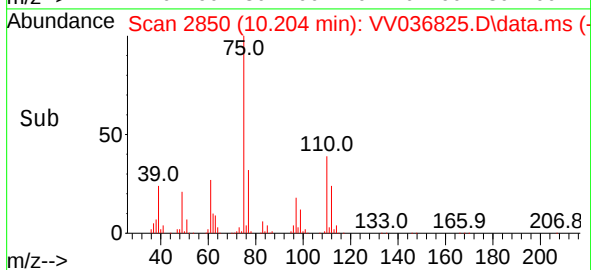
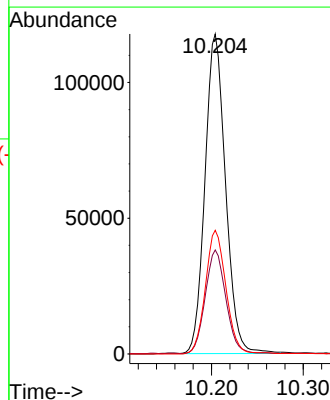
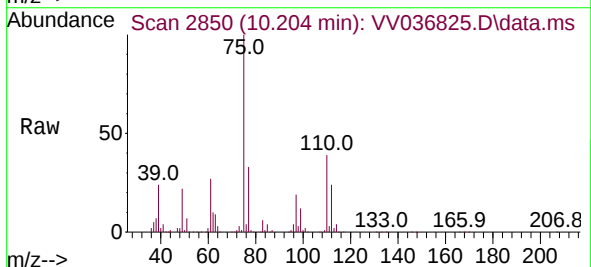
Instrument :
MSVOA_V
ClientSampleId :

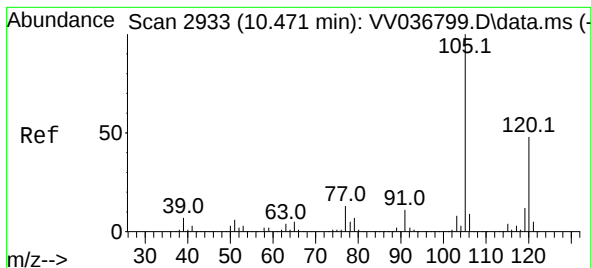
Tgt Ion:105 Resp: 831220
Ion Ratio Lower Upper
105 100
120 25.8 20.3 30.5
77 15.8 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 45.860 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. 0.000 min
Lab File: VV036825.D
Acq: 07 Aug 2024 08:45

Tgt Ion: 75 Resp: 183545
Ion Ratio Lower Upper
75 100
77 32.3 26.2 39.2
110 38.6 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 51.162 ug/L

RT: 10.471 min Scan# 20

Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

Instrument :

MSVOA_V

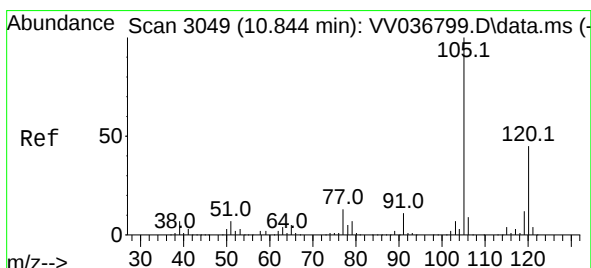
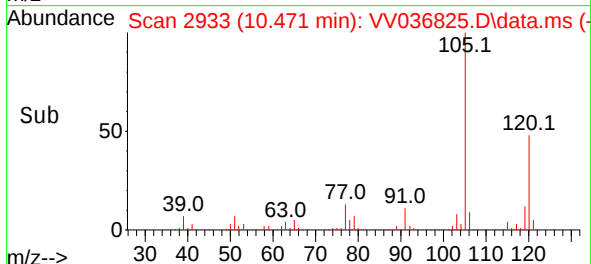
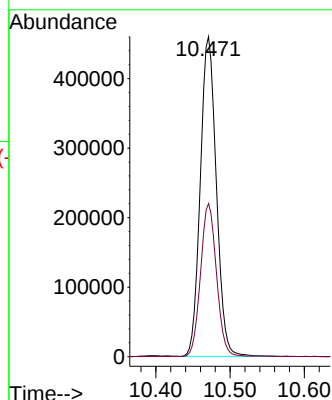
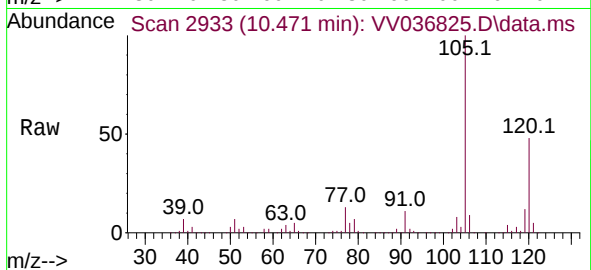
ClientSampleId :

Tgt Ion:105 Resp: 689441

Ion Ratio Lower Upper

105 100

120 47.6 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 51.146 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV036825.D

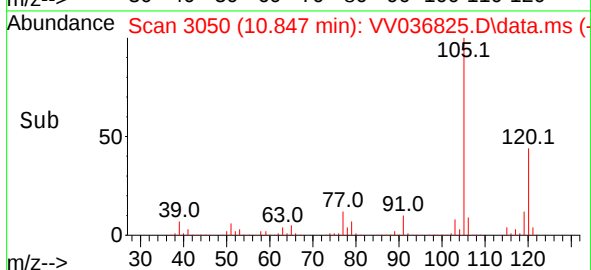
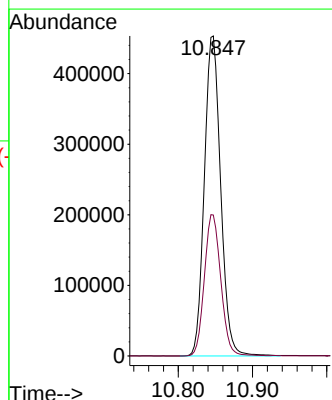
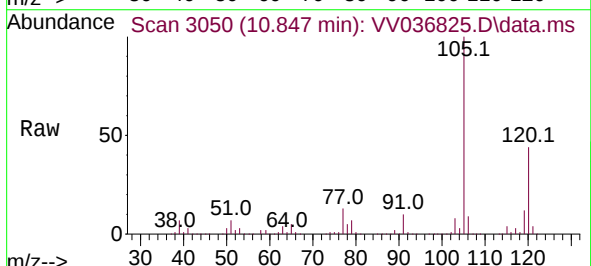
Acq: 07 Aug 2024 08:45

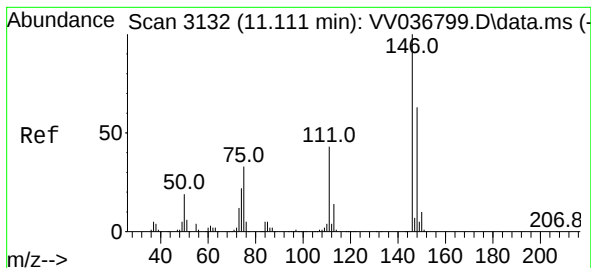
Tgt Ion:105 Resp: 689946

Ion Ratio Lower Upper

105 100

120 44.6 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 51.413 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

Instrument :

MSVOA_V

ClientSampleId :

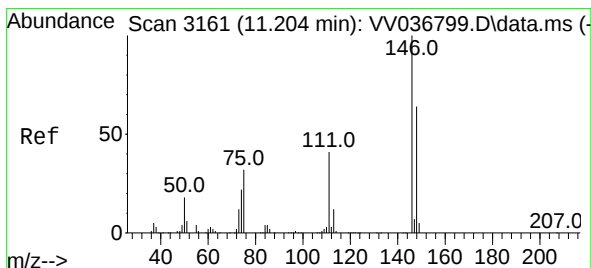
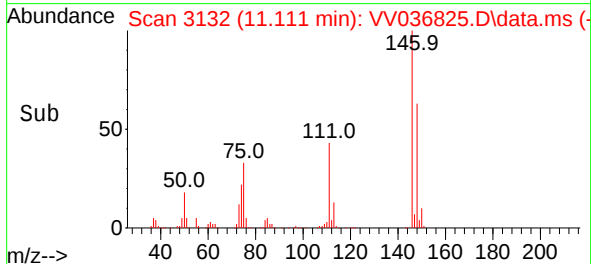
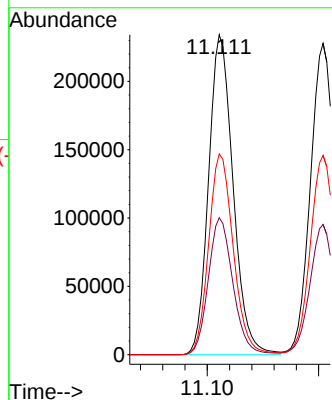
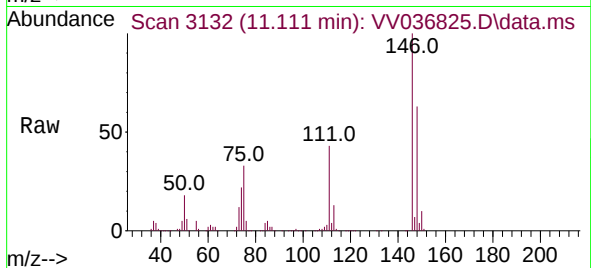
Tgt Ion:146 Resp: 357860

Ion Ratio Lower Upper

146 100

111 42.8 29.8 55.4

148 62.7 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 51.035 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

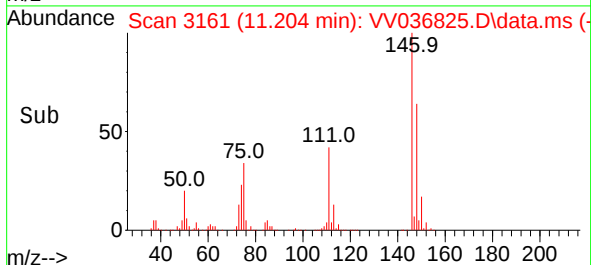
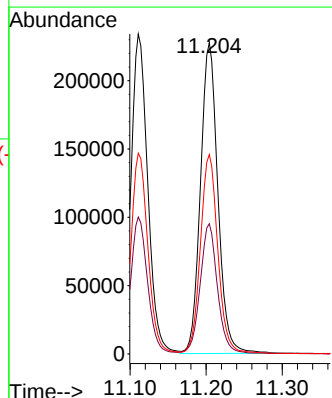
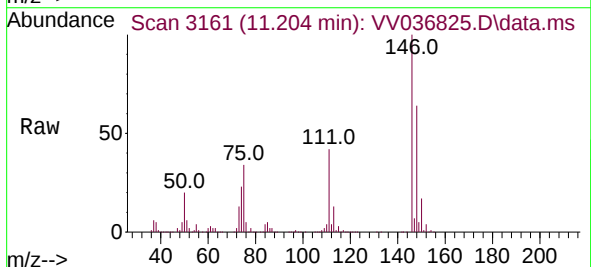
Tgt Ion:146 Resp: 361235

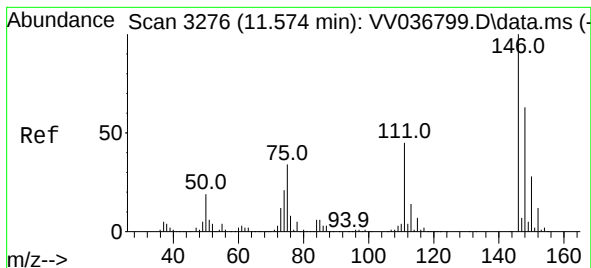
Ion Ratio Lower Upper

146 100

111 41.8 29.0 53.9

148 64.0 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 51.853 ug/L

RT: 11.574 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

Instrument :

MSVOA_V

ClientSampleId :

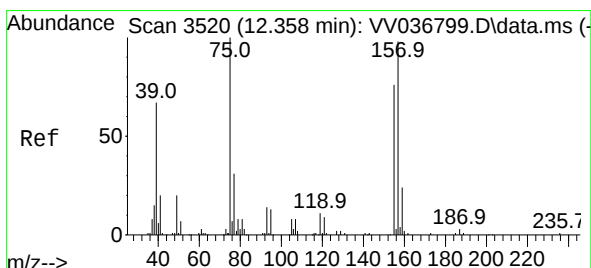
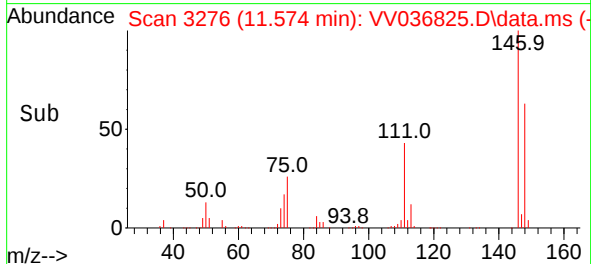
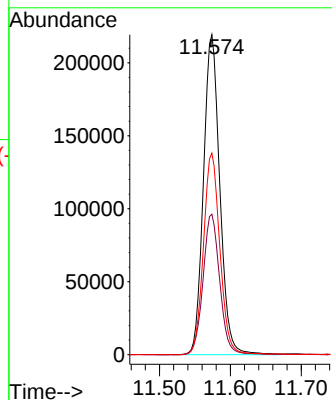
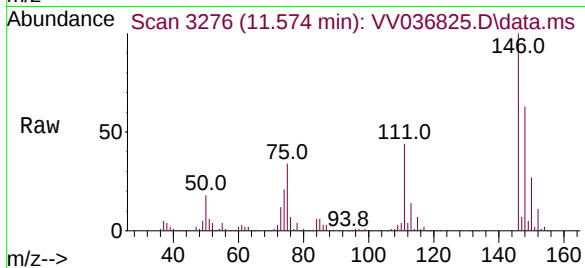
Tgt Ion:146 Resp: 352494

Ion Ratio Lower Upper

146 100

111 43.9 35.7 53.5

148 63.0 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 40.221 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

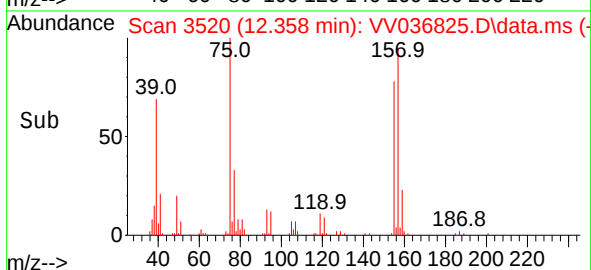
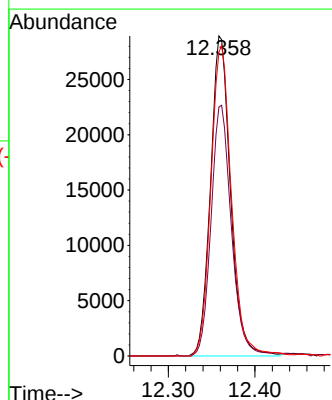
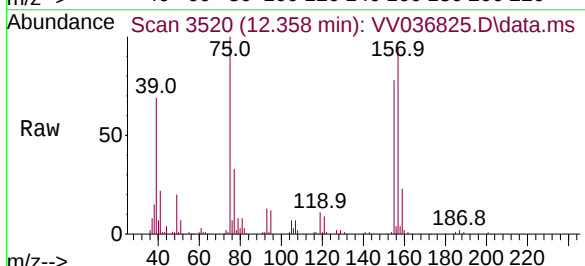
Tgt Ion: 75 Resp: 46519

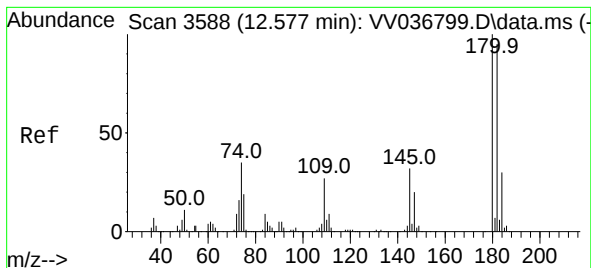
Ion Ratio Lower Upper

75 100

155 77.8 59.5 89.3

157 94.9 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 51.300 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

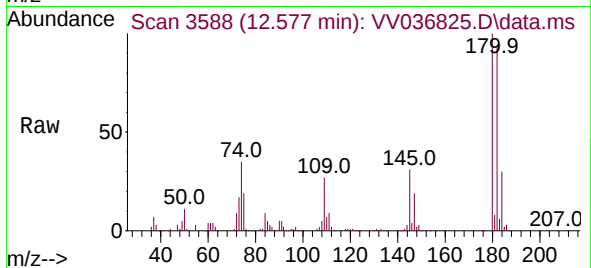
Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 253400

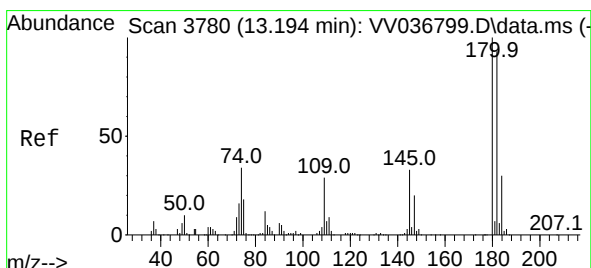
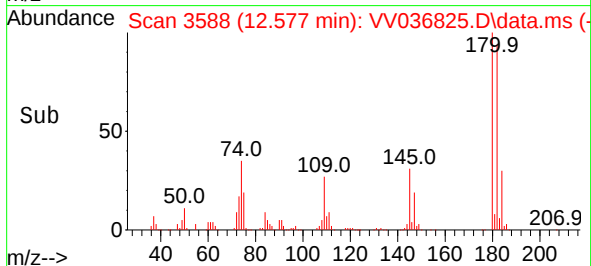
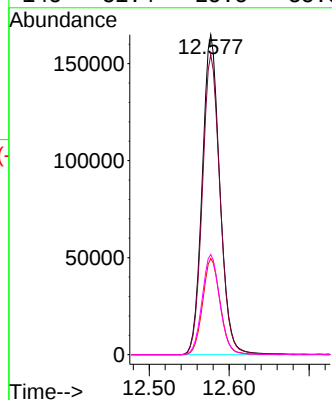
Ion Ratio Lower Upper

180 100

182 94.1 75.0 112.6

184 30.1 23.7 35.5

145 31.4 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 50.139 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. -0.003 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

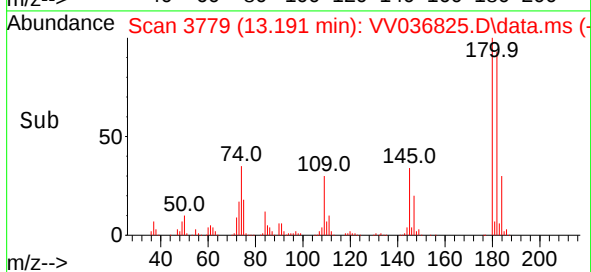
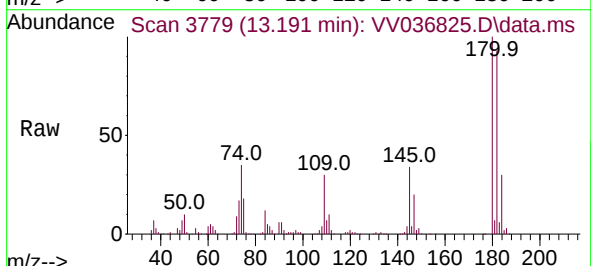
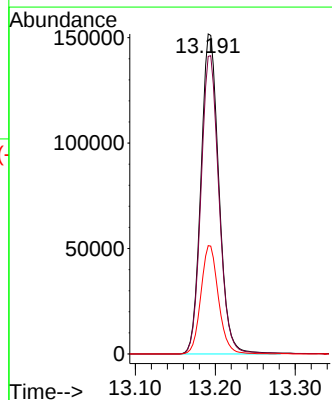
Tgt Ion:180 Resp: 237534

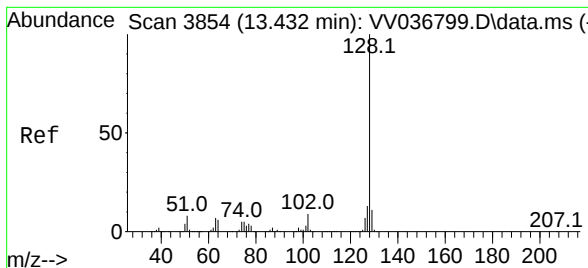
Ion Ratio Lower Upper

180 100

182 93.1 75.1 112.7

145 33.1 26.5 39.7





#71

Naphthalene

Concen: 43.742 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

Instrument :

MSVOA_V

ClientSampleId :

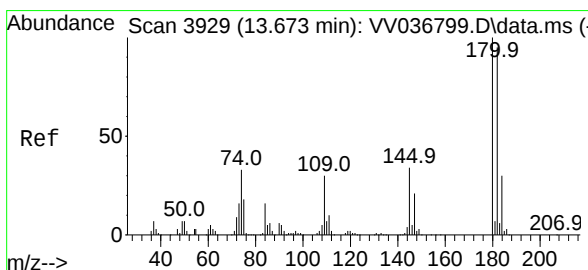
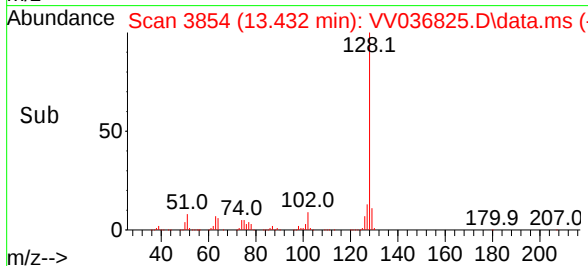
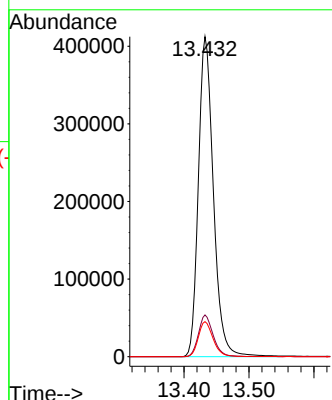
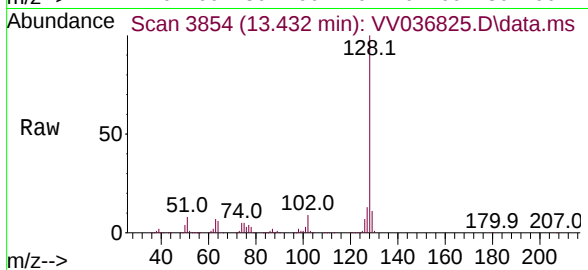
Tgt Ion:128 Resp: 664529

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 48.885 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. 0.000 min

Lab File: VV036825.D

Acq: 07 Aug 2024 08:45

Tgt Ion:180 Resp: 226697

Ion Ratio Lower Upper

180 100

182 95.9 76.2 114.2

145 34.2 27.8 41.6

