

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061224\
 Data File : VV036042.D
 Acq On : 12 Jun 2024 09:27
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 13 02:07:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 12 02:05:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	358160	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	337429	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	167169	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	140295	21.306	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.240%
7) Chloroethane-d5	1.529	69	121290	23.101	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.053	65	61581	21.008	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.040%
21) 2-Butanone-d5	3.825	46	62966	41.678	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.360%
24) Chloroform-d	4.243	84	262809	23.080	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.320%
26) 1,2-Dichloroethane-d4	4.937	65	123183	20.633	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.520%
32) Benzene-d6	4.953	84	497968	24.827	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.320%
36) 1,2-Dichloropropane-d6	5.982	67	151528	23.990	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.960%
41) Toluene-d8	7.236	98	433608	24.501	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.000%
43) trans-1,3-Dichloroprop...	7.551	79	57073	22.037	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.160%
47) 2-Hexanone-d5	8.030	63	38079	44.496	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.000%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	105975	22.452	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	11.557	152	136430	22.255	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	140616	21.774	ug/L	100
3) Chloromethane	1.211	50	179841	24.266	ug/L	99
5) Vinyl chloride	1.278	62	198463	25.436	ug/L	100
6) Bromomethane	1.484	94	119089	24.604	ug/L	99
8) Chloroethane	1.545	64	125340	25.844	ug/L	98
9) Trichlorofluoromethane	1.709	101	252026	26.010	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	155032	25.211	ug/L	99
12) 1,1-Dichloroethene	2.063	96	143009	24.935	ug/L	98
13) Acetone	2.140	43	108239	45.993	ug/L #	46
14) Carbon disulfide	2.233	76	460099	23.101	ug/L	100
15) Methyl Acetate	2.384	43	62523	21.374	ug/L	96
16) Methylene chloride	2.442	84	165718	20.448	ug/L	98
17) trans-1,2-Dichloroethene	2.686	96	149112	24.475	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	300403	21.963	ug/L	98
19) 1,1-Dichloroethane	3.104	63	297228	25.618	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	150440	24.574	ug/L	100
22) 2-Butanone	3.905	43	81193	40.660	ug/L	84
23) Bromochloromethane	4.140	128	69834	22.741	ug/L	96
25) Chloroform	4.268	83	295288	24.741	ug/L	97

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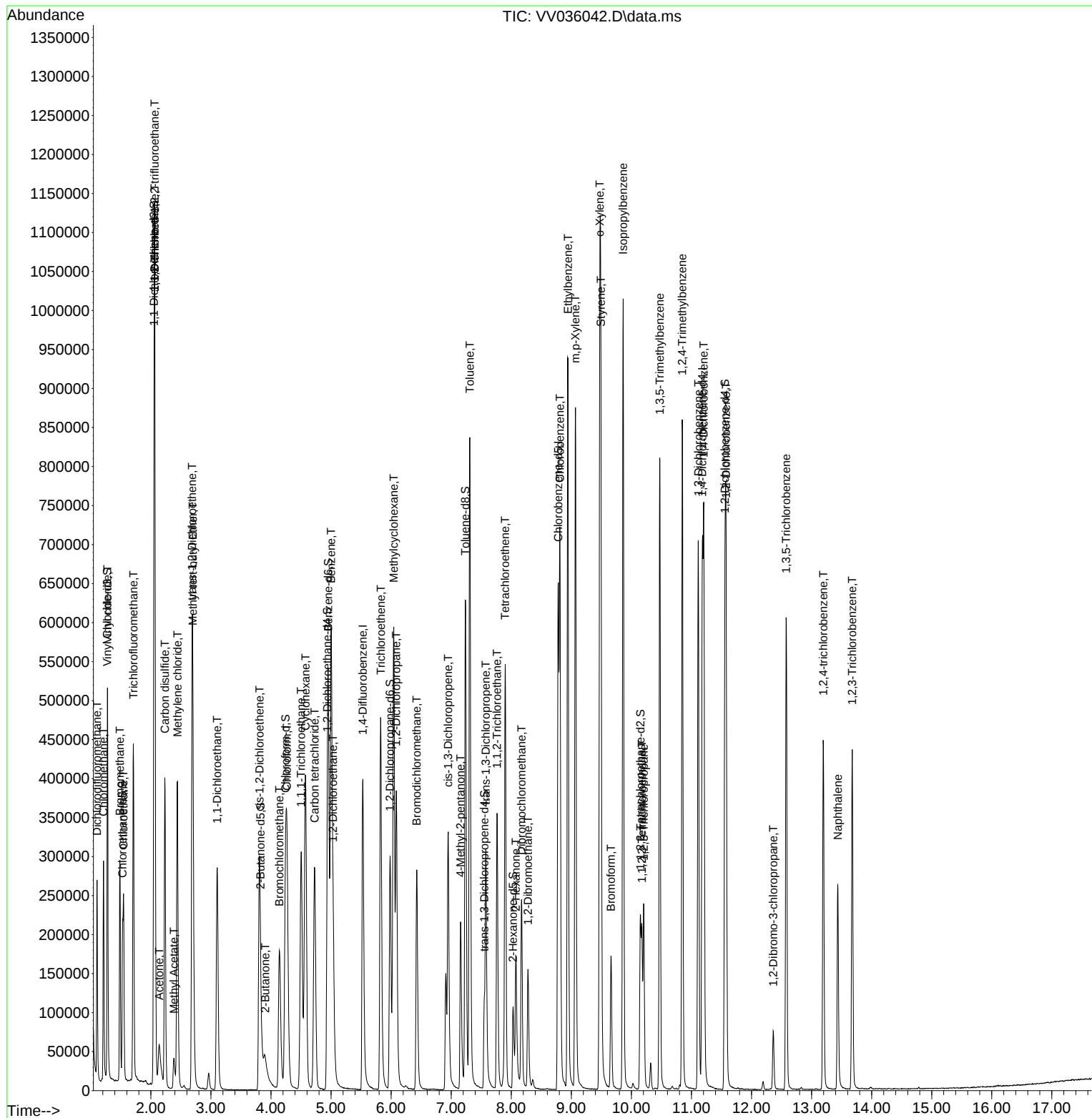
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	173168	23.240	ug/L	100
29) Cyclohexane	4.574	56	216618	26.963	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	256048	27.757	ug/L	99
31) Carbon tetrachloride	4.725	117	224291	27.715	ug/L	99
33) Benzene	5.001	78	613396	27.795	ug/L	100
34) Trichloroethene	5.828	95	177370	26.223	ug/L	99
35) Methylcyclohexane	6.043	83	241091	25.775	ug/L	98
37) 1,2-Dichloropropane	6.085	63	156952	27.085	ug/L	100
38) Bromodichloromethane	6.426	83	197185	25.709	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	216791	25.013	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	144140	45.783	ug/L	99
42) Toluene	7.310	91	631408	28.000	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	188918	25.235	ug/L	98
45) 1,1,2-Trichloroethane	7.763	97	114035	23.783	ug/L	99
46) Tetrachloroethene	7.898	164	124982	25.265	ug/L	99
48) 2-Hexanone	8.075	43	115254	46.826	ug/L	99
49) Dibromochloromethane	8.172	129	124732	23.769	ug/L	98
50) 1,2-Dibromoethane	8.278	107	107717	23.413	ug/L	99
51) Chlorobenzene	8.808	112	386706	25.168	ug/L	98
52) Ethylbenzene	8.943	91	650684	26.969	ug/L	99
53) m,p-Xylene	9.069	106	244011	26.916	ug/L	100
54) o-Xylene	9.474	106	224133	26.217	ug/L	97
55) Styrene	9.493	104	405046	26.867	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	103303	24.061	ug/L	98
59) Bromoform	9.660	173	77185	24.483	ug/L	100
60) Isopropylbenzene	9.863	105	624523	29.120	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	96798	24.483	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	423228	27.214	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	452405	27.000	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	287249	25.504	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	289066	24.865	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	259120	24.448	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	20911	23.652	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	190338	22.592	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	140677	21.207	ug/L	100
71) Naphthalene	13.435	128	215306	19.888	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	129917	21.462	ug/L	98

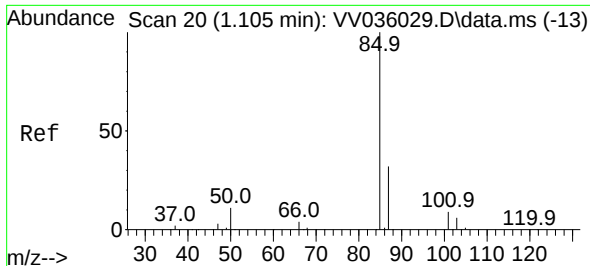
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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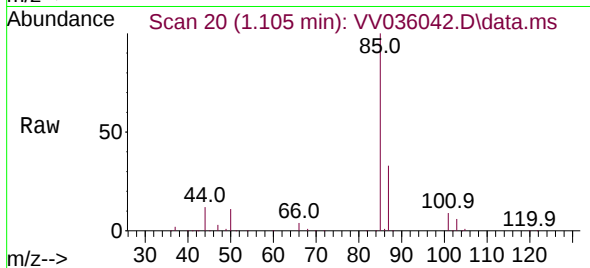
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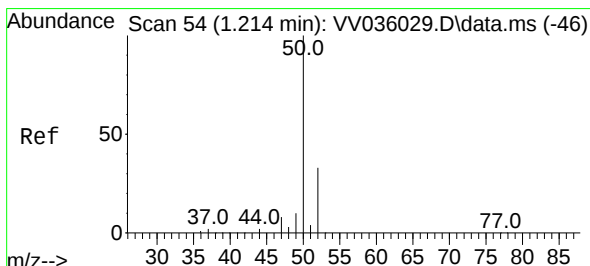
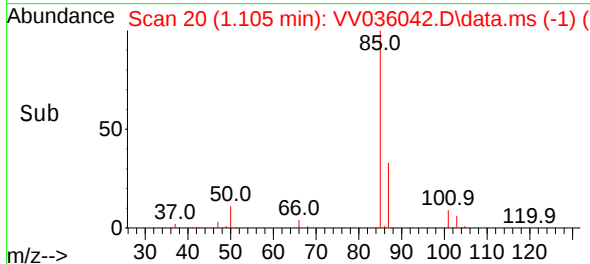
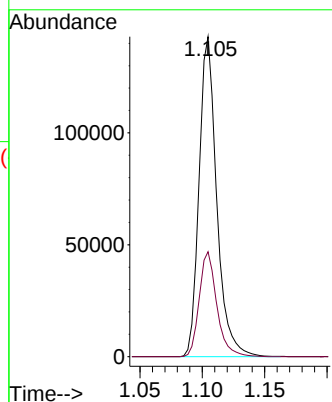


#2
 Dichlorodifluoromethane
 Concen: 21.774 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV036042.D
 Acq: 12 Jun 2024 09:27

Instrument :
 MSVOA_V
 ClientSampleId :

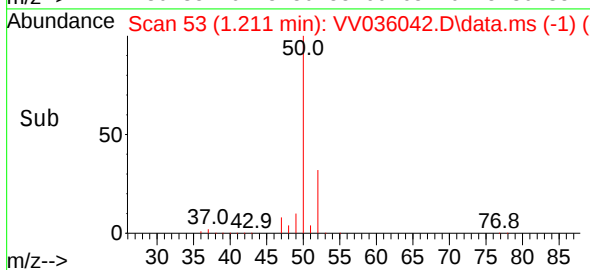
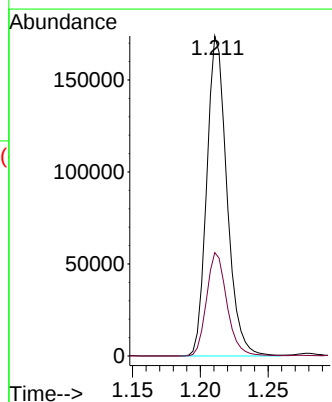
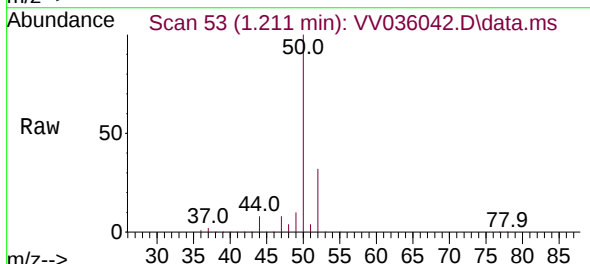


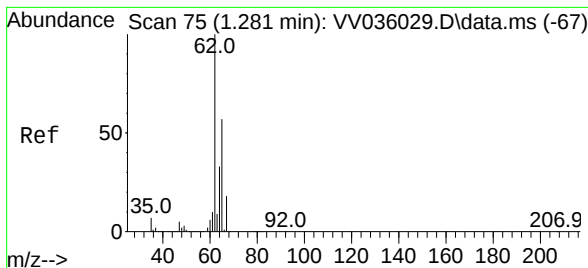
Tgt Ion: 85 Resp: 140616
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.9 38.9



#3
 Chloromethane
 Concen: 24.266 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. -0.003 min
 Lab File: VV036042.D
 Acq: 12 Jun 2024 09:27

Tgt Ion: 50 Resp: 179841
 Ion Ratio Lower Upper
 50 100
 52 32.3 22.8 42.4





#5

Vinyl chloride

Concen: 25.436 ug/L

RT: 1.278 min Scan# 74

Delta R.T. -0.003 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

Instrument :

MSVOA_V

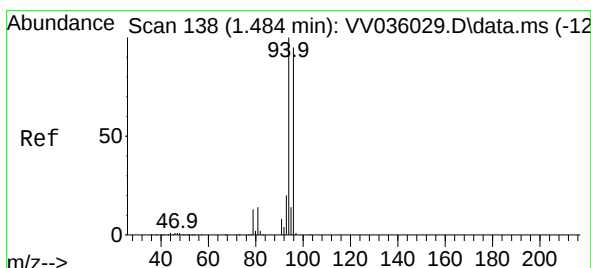
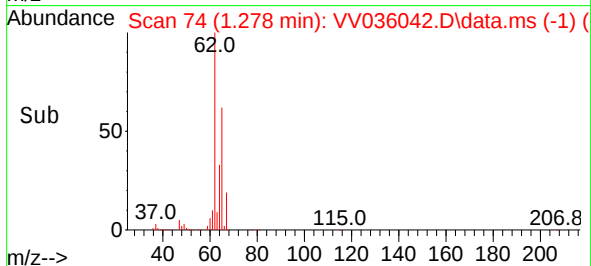
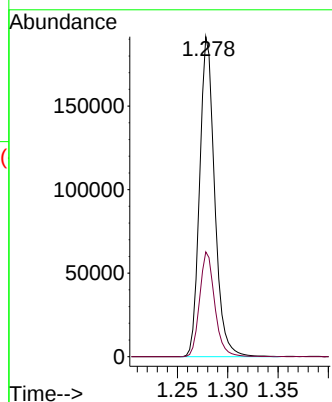
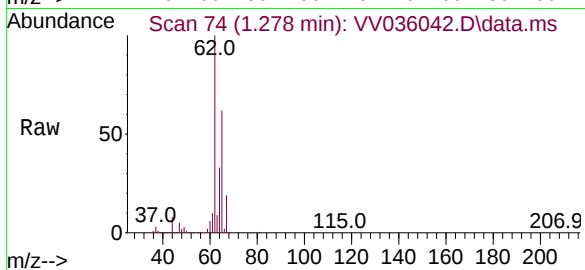
ClientSampleId :

Tgt Ion: 62 Resp: 198463

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



#6

Bromomethane

Concen: 24.604 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.000 min

Lab File: VV036042.D

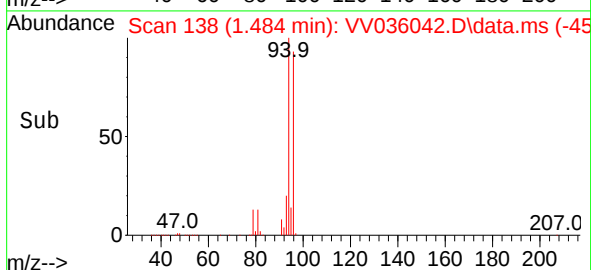
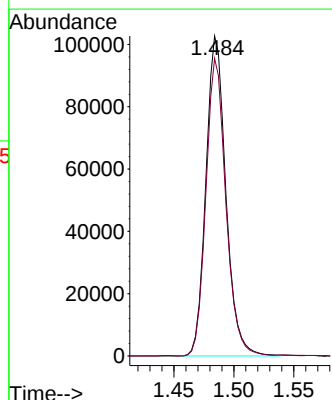
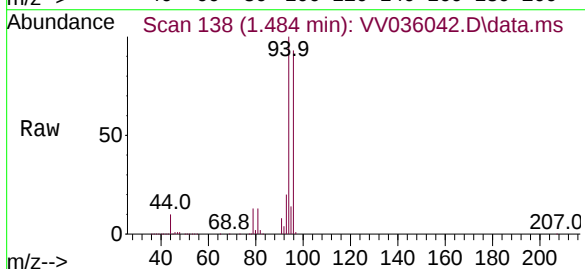
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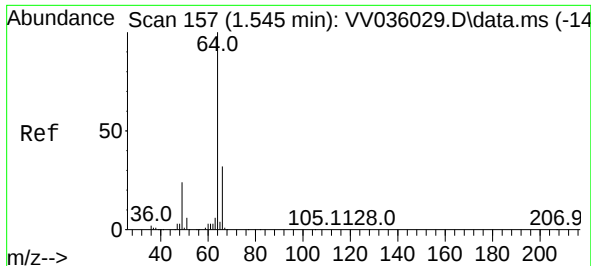
Tgt Ion: 94 Resp: 119089

Ion Ratio Lower Upper

94 100

96 93.0 65.7 122.1

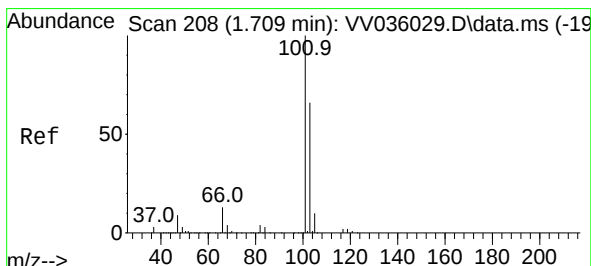
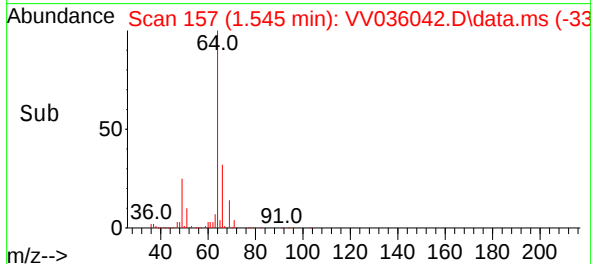
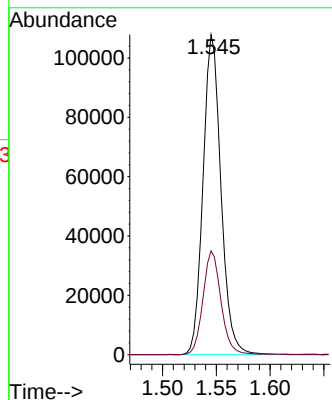
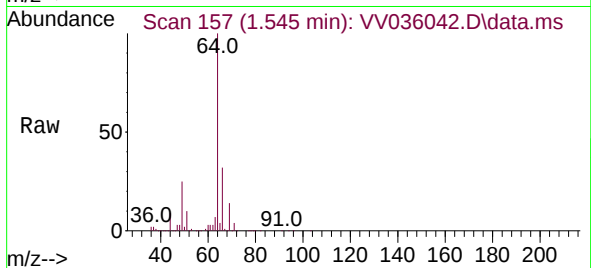




#8
Chloroethane
Concen: 25.844 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.000 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

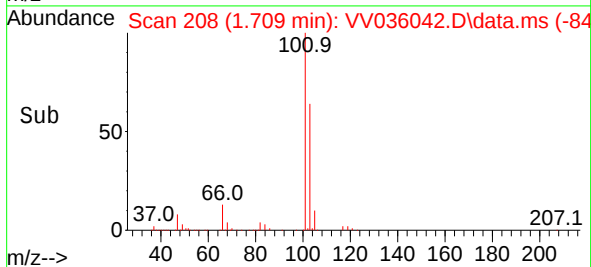
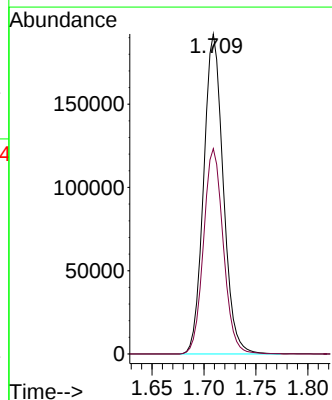
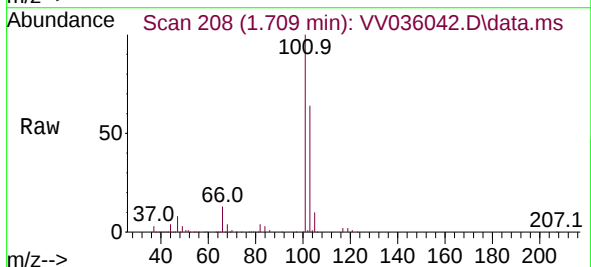
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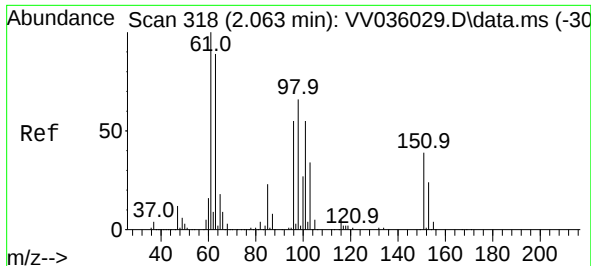
Tgt Ion: 64 Resp: 125340
Ion Ratio Lower Upper
64 100
66 32.5 22.0 41.0



#9
Trichlorofluoromethane
Concen: 26.010 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

Tgt Ion:101 Resp: 252026
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.8

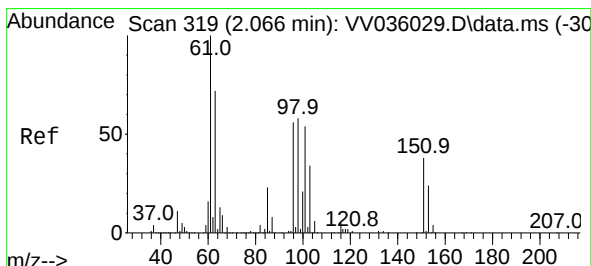
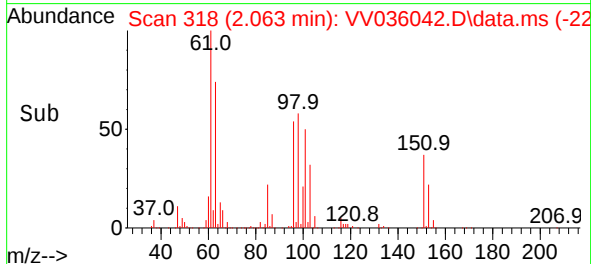
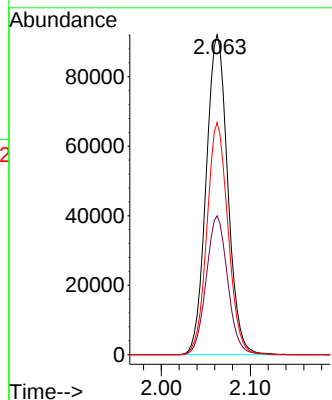
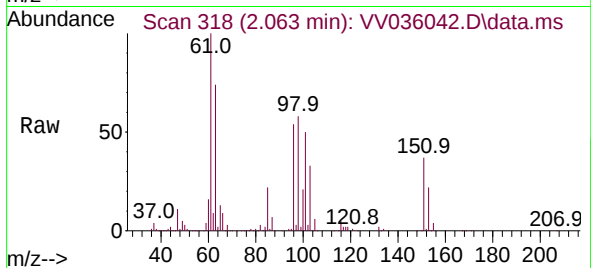




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 25.211 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. 0.000 min
 Lab File: VV036042.D
 Acq: 12 Jun 2024 09:27

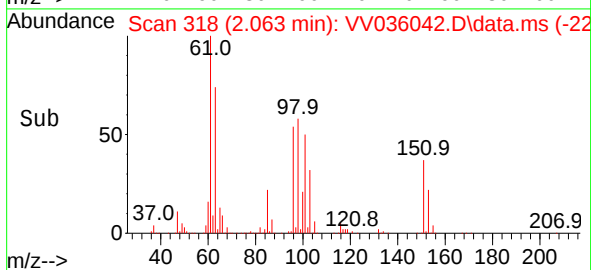
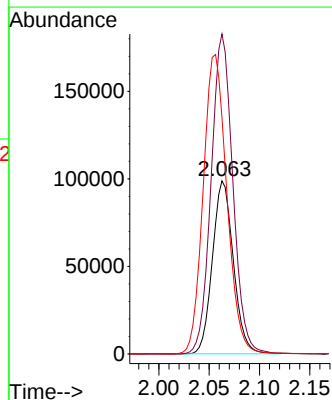
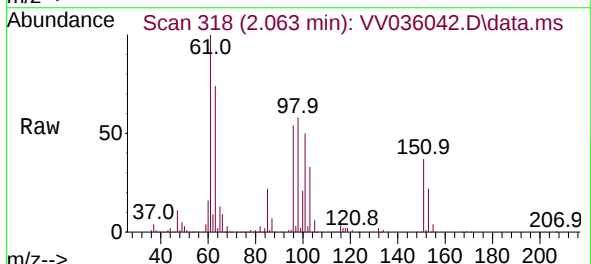
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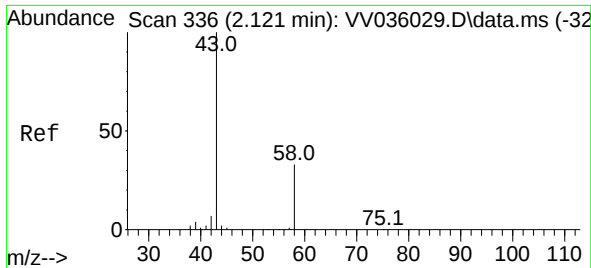
Tgt Ion:101 Resp: 155032
 Ion Ratio Lower Upper
 101 100
 85 43.2 34.5 51.7
 151 71.1 56.3 84.5



#12
 1,1-Dichloroethene
 Concen: 24.935 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. -0.003 min
 Lab File: VV036042.D
 Acq: 12 Jun 2024 09:27

Tgt Ion: 96 Resp: 143009
 Ion Ratio Lower Upper
 96 100
 61 184.8 127.3 236.3
 63 136.7 93.7 173.9

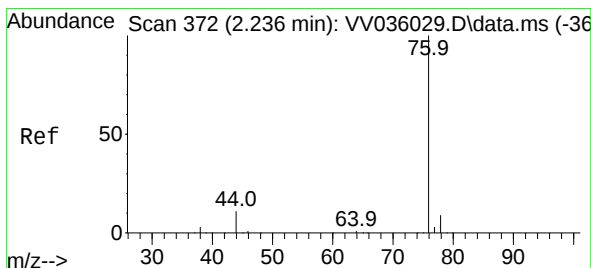
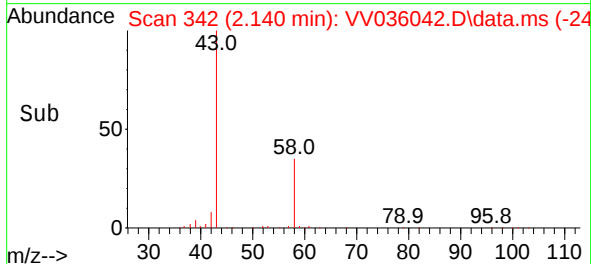
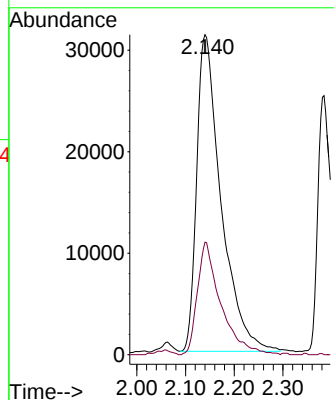
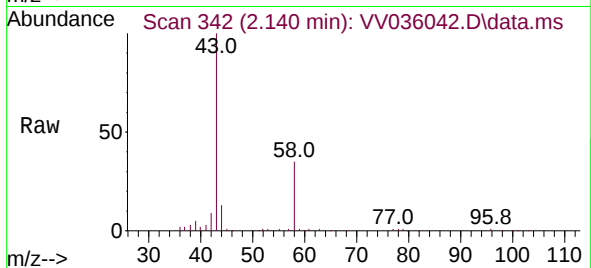




#13
Acetone
Concen: 45.993 ug/L
RT: 2.140 min Scan# 341
Delta R.T. 0.019 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

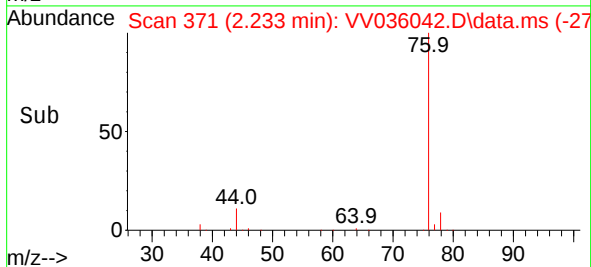
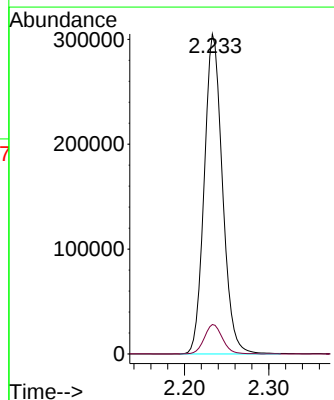
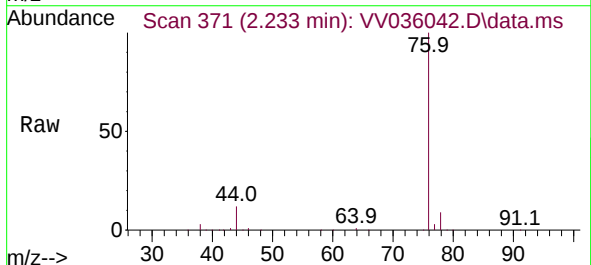
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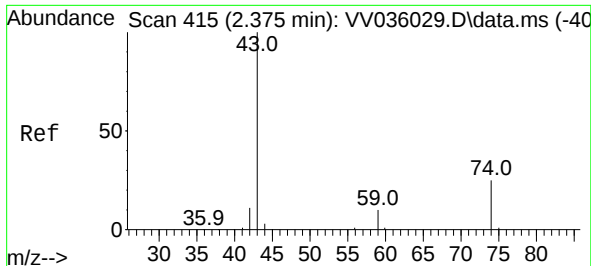
Tgt Ion: 43 Resp: 108239
Ion Ratio Lower Upper
43 100
58 33.2 0.0 24.2#



#14
Carbon disulfide
Concen: 23.101 ug/L
RT: 2.233 min Scan# 371
Delta R.T. -0.003 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

Tgt Ion: 76 Resp: 460099
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2





#15

Methyl Acetate

Concen: 21.374 ug/L

RT: 2.384 min Scan# 415

Delta R.T. 0.010 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

Instrument :

MSVOA_V

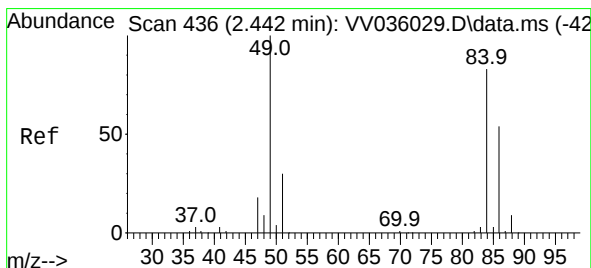
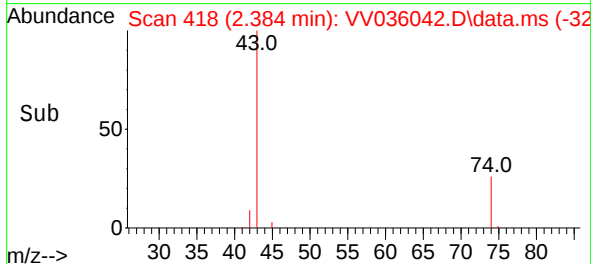
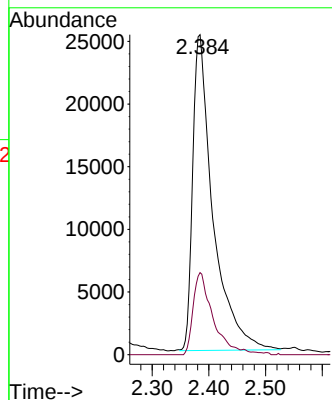
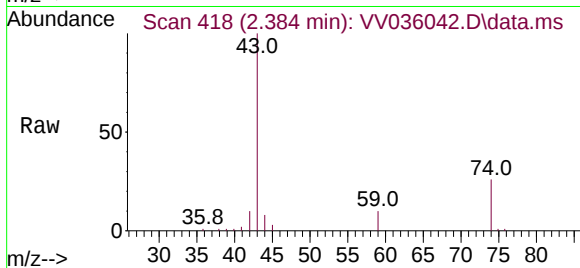
ClientSampleId :

Tgt Ion: 43 Resp: 62523

Ion Ratio Lower Upper

43 100

74 24.8 21.4 32.2



#16

Methylene chloride

Concen: 20.448 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

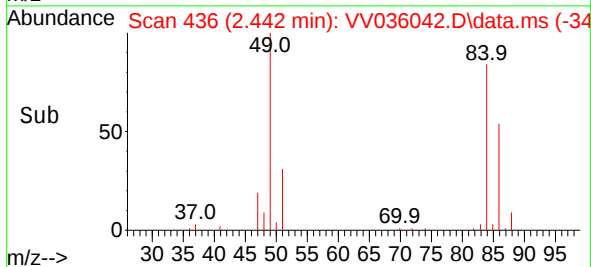
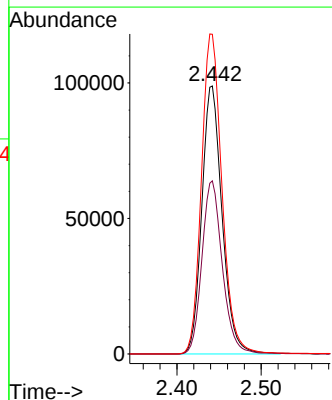
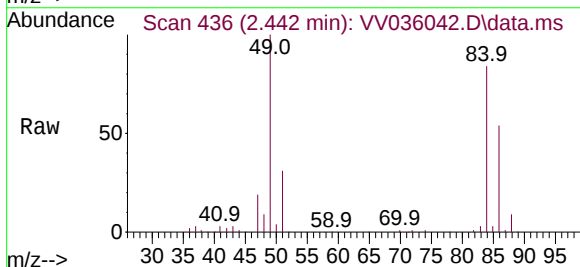
Tgt Ion: 84 Resp: 165718

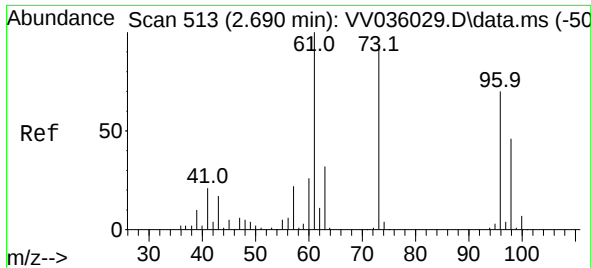
Ion Ratio Lower Upper

84 100

86 64.6 44.6 82.8

49 119.3 81.1 150.5





#17

trans-1,2-Dichloroethene

Concen: 24.475 ug/L

RT: 2.686 min Scan# 513

Delta R.T. -0.003 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

Instrument :

MSVOA_V

ClientSampleId :

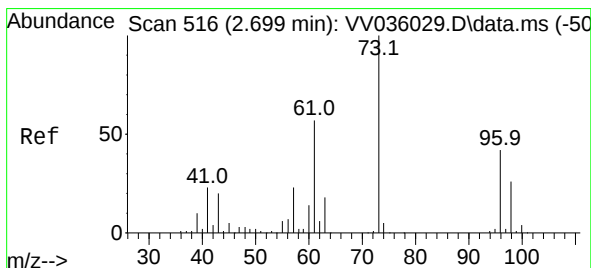
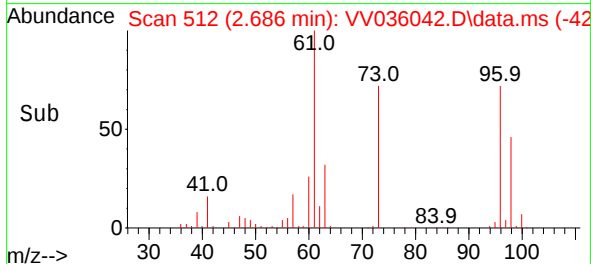
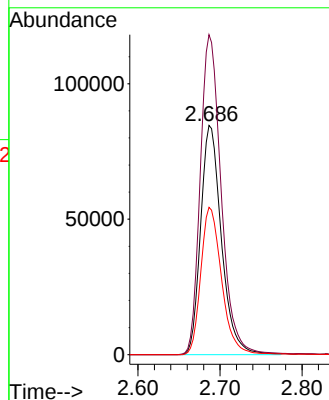
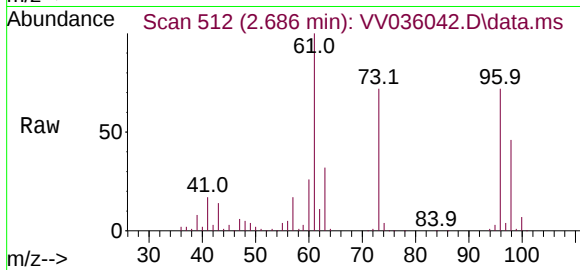
Tgt Ion: 96 Resp: 149112

Ion Ratio Lower Upper

96 100

61 139.6 99.4 184.6

98 64.3 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 21.963 ug/L

RT: 2.699 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

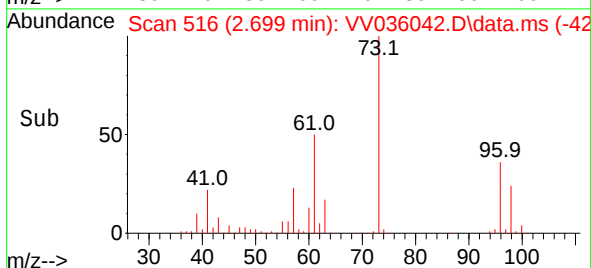
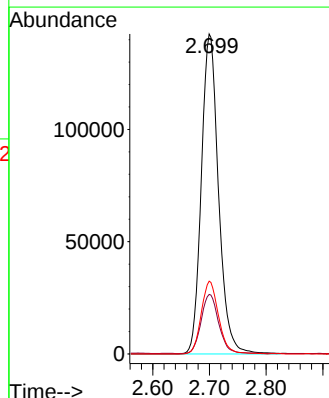
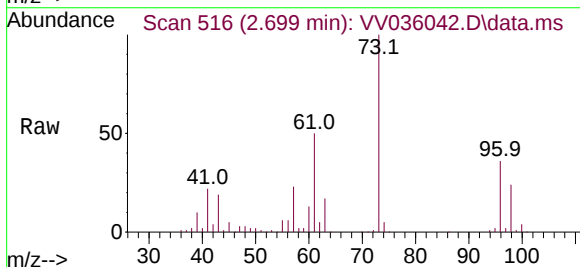
Tgt Ion: 73 Resp: 300403

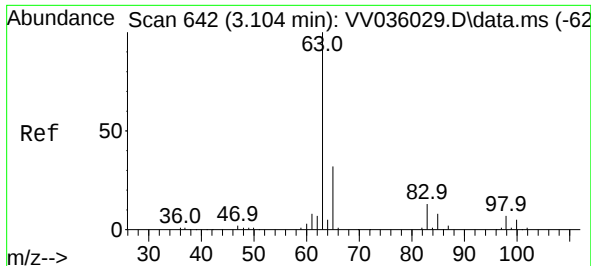
Ion Ratio Lower Upper

73 100

43 18.9 14.3 21.5

57 22.9 17.8 26.6

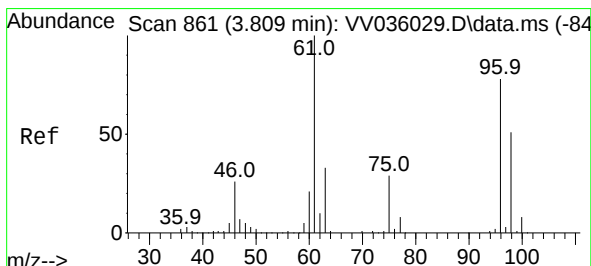
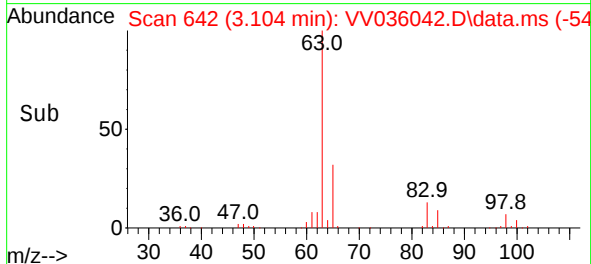
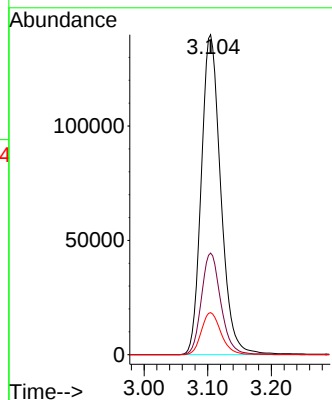
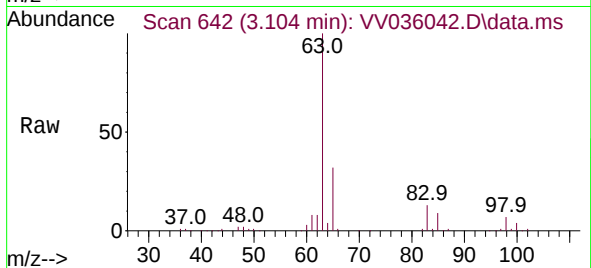




#19
1,1-Dichloroethane
Concen: 25.618 ug/L
RT: 3.104 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

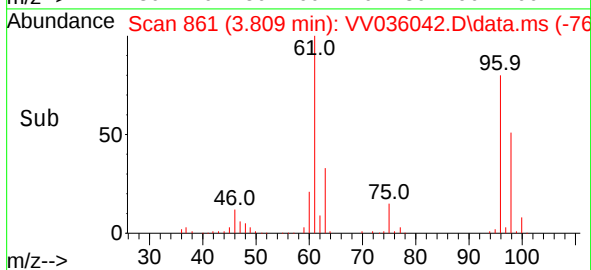
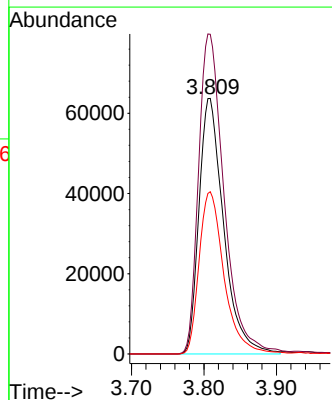
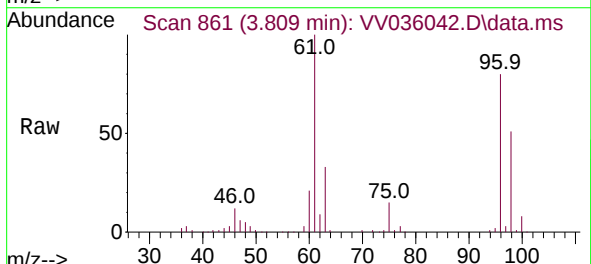
Instrument :
MSVOA_V
ClientSampleId :

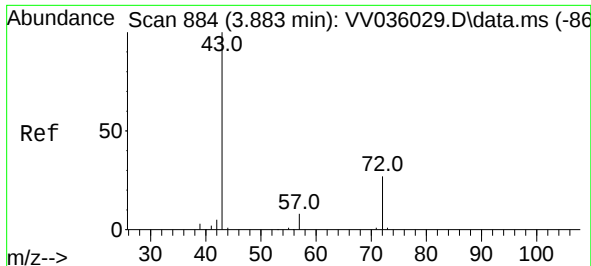
Tgt Ion: 63 Resp: 297228
Ion Ratio Lower Upper
63 100
65 31.8 22.4 41.6
83 13.1 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 24.574 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.000 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

Tgt Ion: 96 Resp: 150440
Ion Ratio Lower Upper
96 100
61 125.1 87.9 163.3
98 63.5 44.4 82.5





#22

2-Butanone

Concen: 40.660 ug/L

RT: 3.905 min Scan# 81

Delta R.T. 0.023 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

Instrument :

MSVOA_V

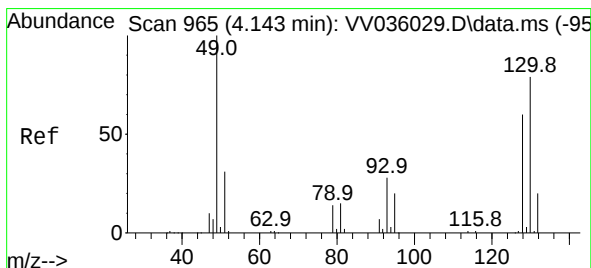
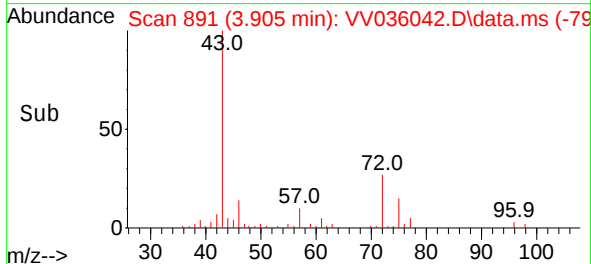
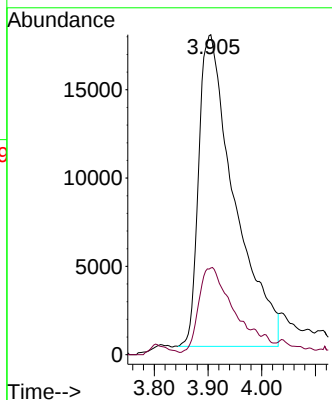
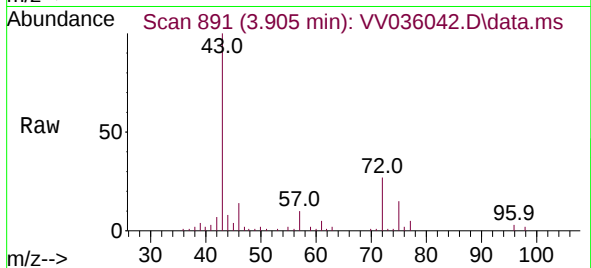
ClientSampleId :

Tgt Ion: 43 Resp: 81193

Ion Ratio Lower Upper

43 100

72 23.0 8.2 24.4



#23

Bromochloromethane

Concen: 22.741 ug/L

RT: 4.140 min Scan# 964

Delta R.T. -0.003 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

Tgt Ion: 128 Resp: 69834

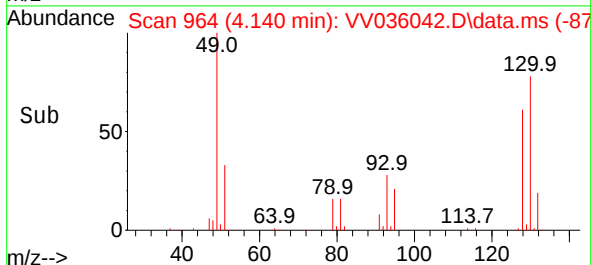
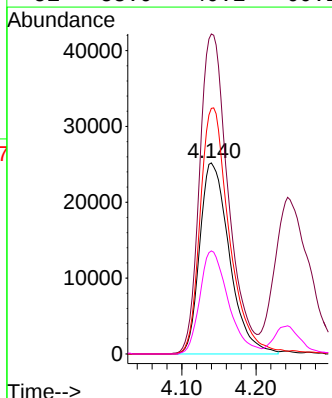
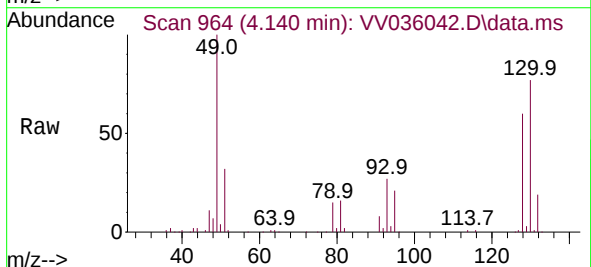
Ion Ratio Lower Upper

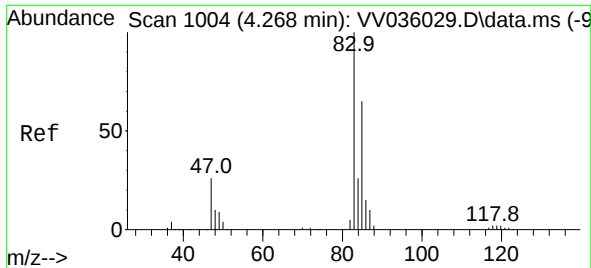
128 100

49 167.5 110.2 204.6

130 128.5 90.2 167.4

51 53.9 40.2 60.2

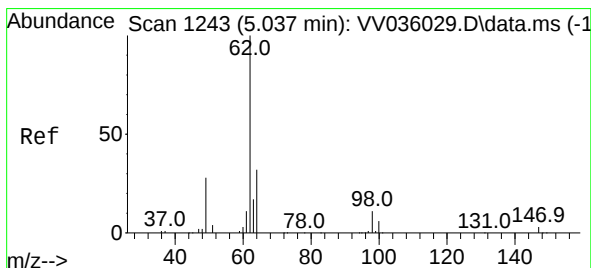
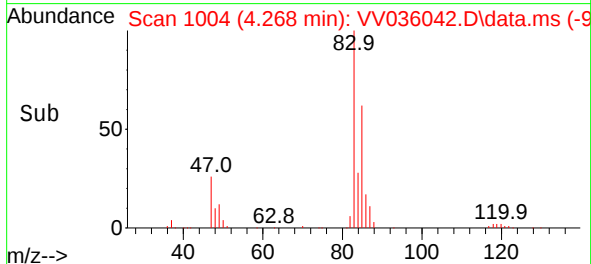
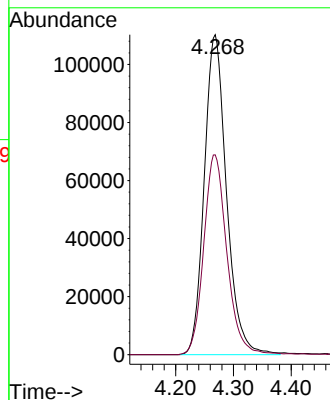
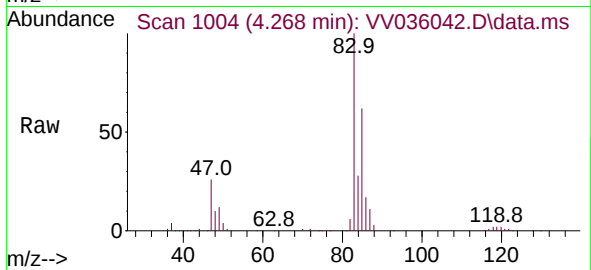




#25
Chloroform
Concen: 24.741 ug/L
RT: 4.268 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

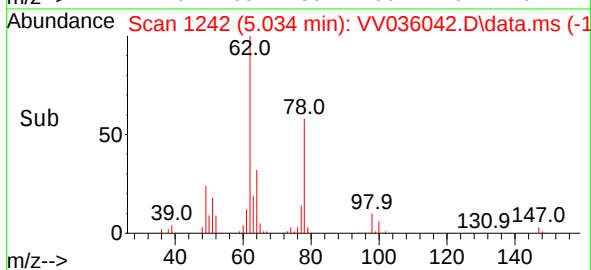
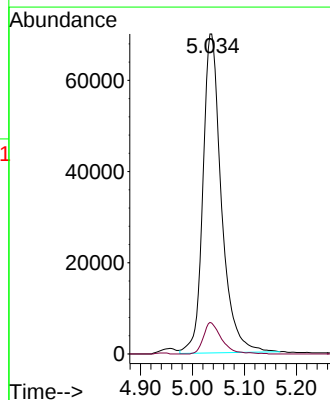
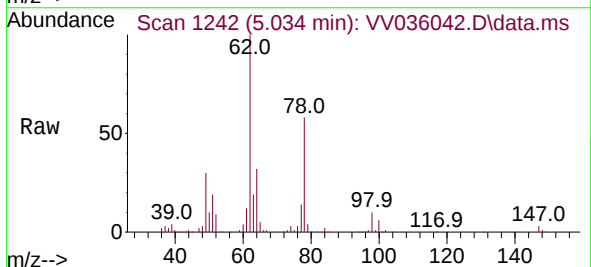
Instrument :
MSVOA_V
ClientSampleId :

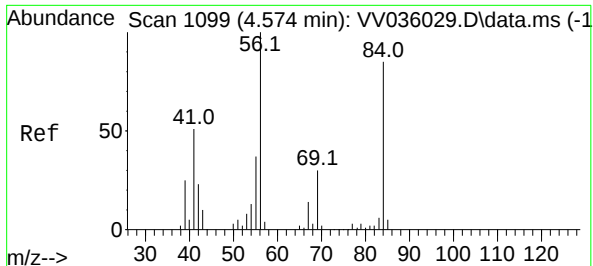
Tgt Ion: 83 Resp: 295288
Ion Ratio Lower Upper
83 100
85 62.5 45.2 84.0



#27
1,2-Dichloroethane
Concen: 23.240 ug/L
RT: 5.034 min Scan# 1242
Delta R.T. -0.003 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

Tgt Ion: 62 Resp: 173168
Ion Ratio Lower Upper
62 100
98 9.9 7.8 11.6





#29

Cyclohexane

Concen: 26.963 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.000 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

Instrument :

MSVOA_V

ClientSampleId :

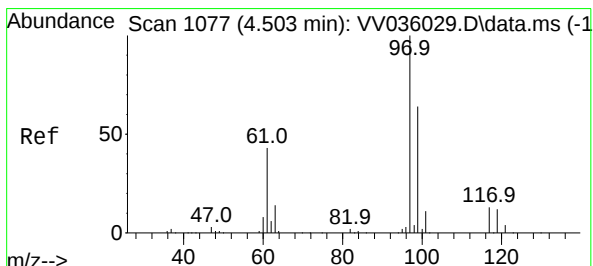
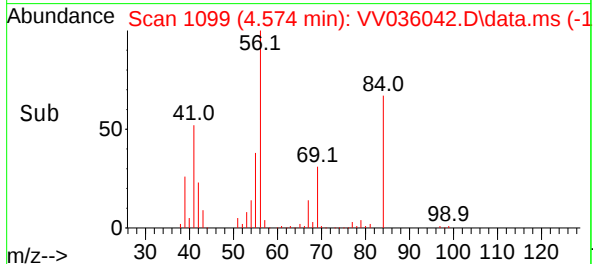
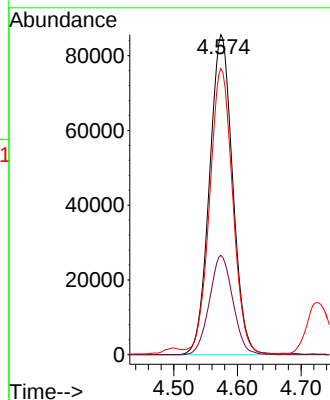
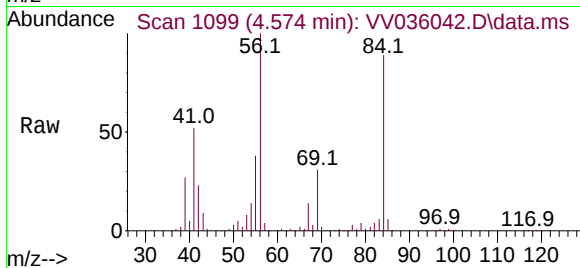
Tgt Ion: 56 Resp: 216618

Ion Ratio Lower Upper

56 100

69 31.3 25.2 37.8

84 89.0 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 27.757 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.000 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

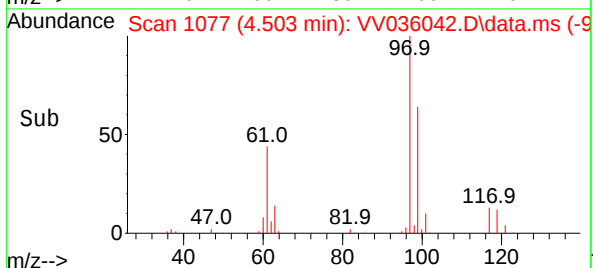
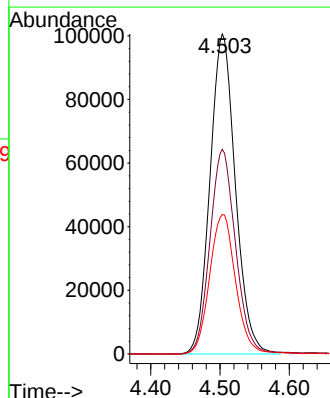
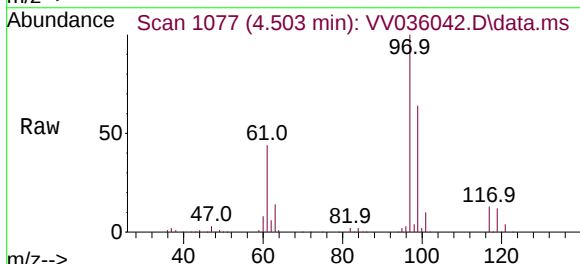
Tgt Ion: 97 Resp: 256048

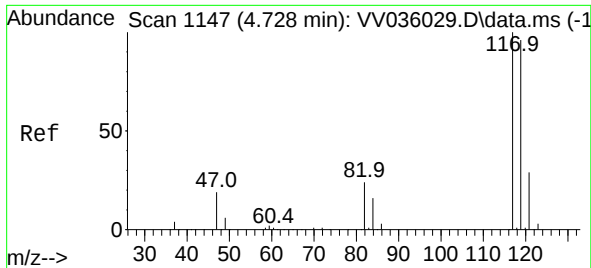
Ion Ratio Lower Upper

97 100

99 64.3 50.9 76.3

61 44.8 35.0 52.6

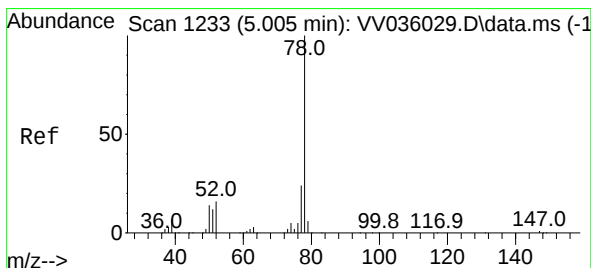
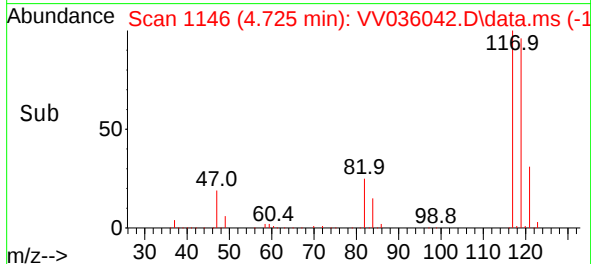
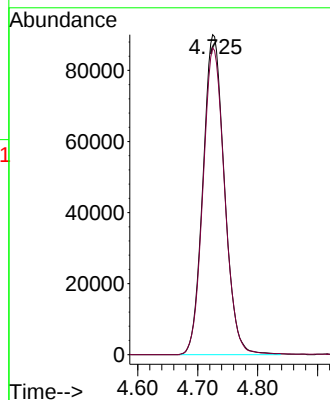
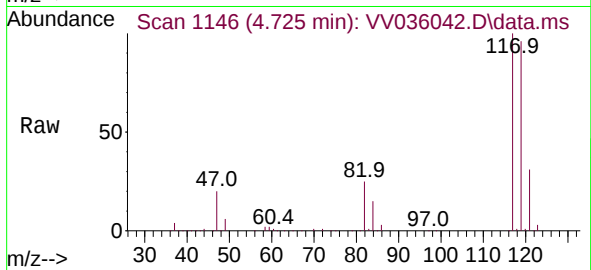




#31
Carbon tetrachloride
Concen: 27.715 ug/L
RT: 4.725 min Scan# 1146
Delta R.T. -0.003 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

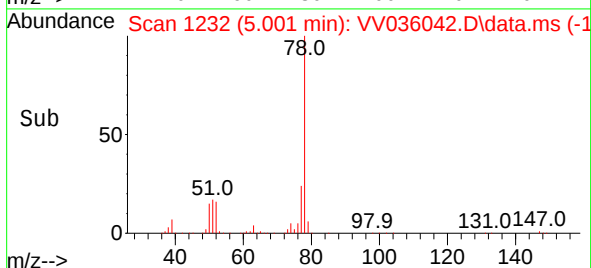
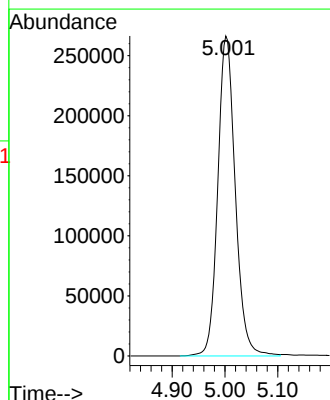
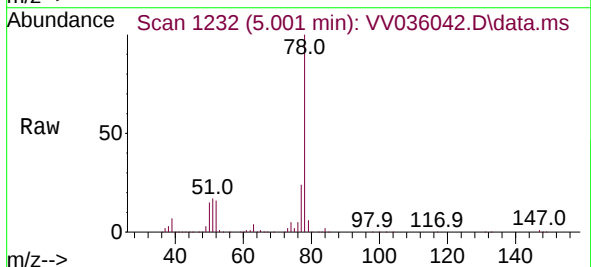
Instrument :
MSVOA_V
ClientSampleId :

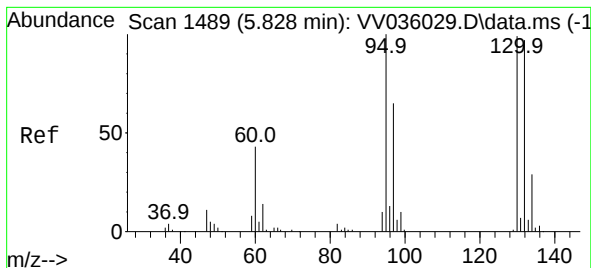
Tgt Ion:117 Resp: 224291
Ion Ratio Lower Upper
117 100
119 96.6 76.8 115.2



#33
Benzene
Concen: 27.795 ug/L
RT: 5.001 min Scan# 1232
Delta R.T. -0.003 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

Tgt Ion: 78 Resp: 613396





#34

Trichloroethene

Concen: 26.223 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 177370

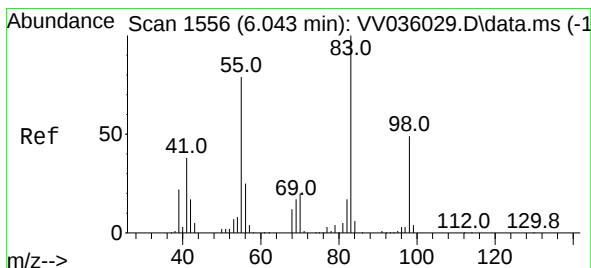
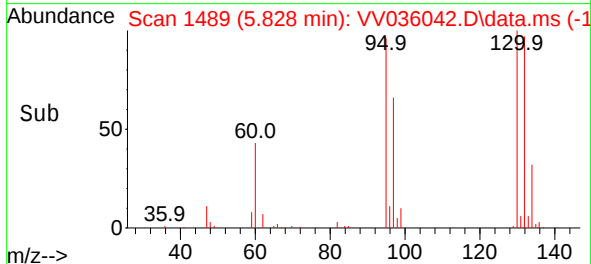
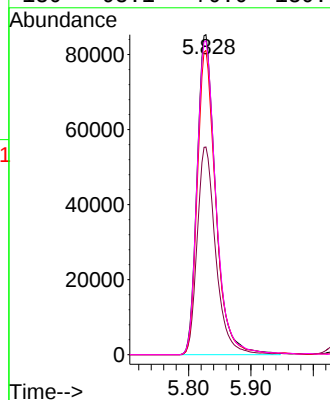
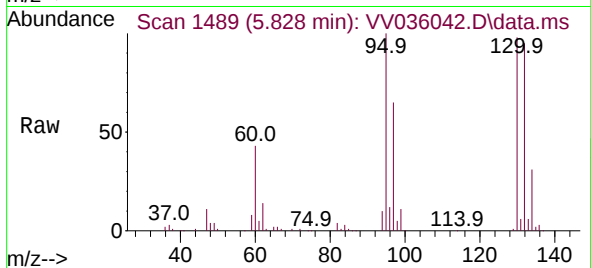
Ion Ratio Lower Upper

95 100

97 64.9 44.8 83.2

132 95.0 66.8 124.2

130 98.1 70.0 130.0



#35

Methylcyclohexane

Concen: 25.775 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

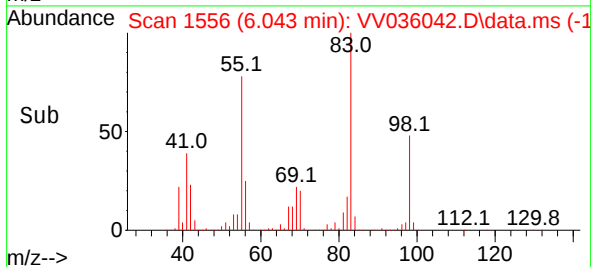
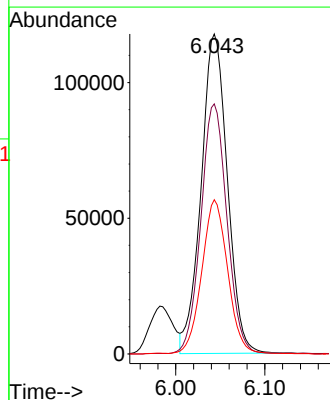
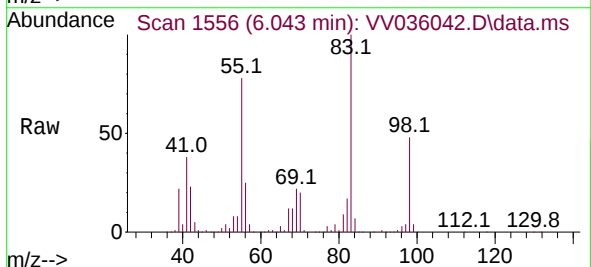
Tgt Ion: 83 Resp: 241091

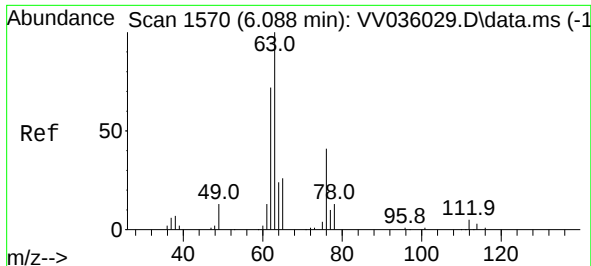
Ion Ratio Lower Upper

83 100

55 77.6 60.7 91.1

98 47.5 38.7 58.1

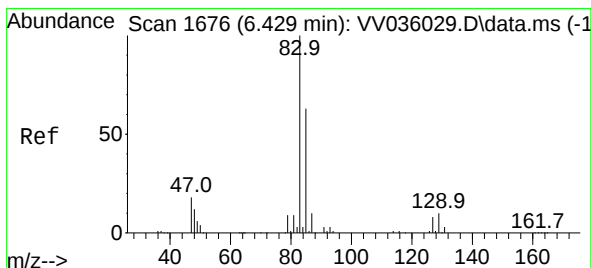
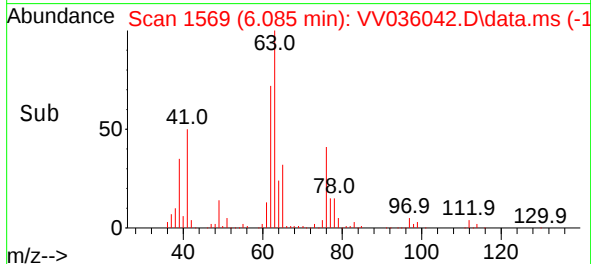
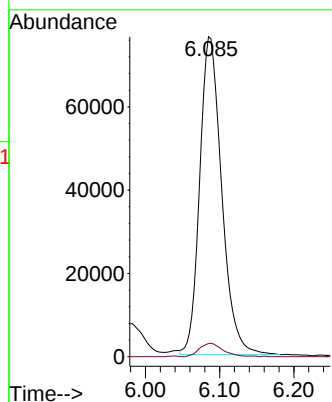
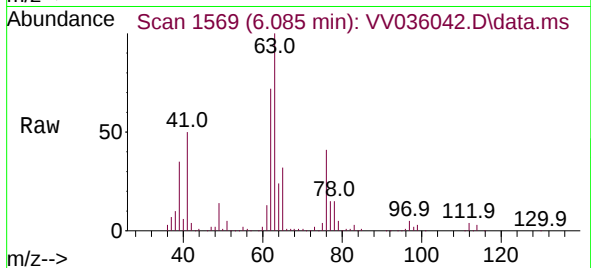




#37
1,2-Dichloropropane
Concen: 27.085 ug/L
RT: 6.085 min Scan# 1569
Delta R.T. -0.003 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

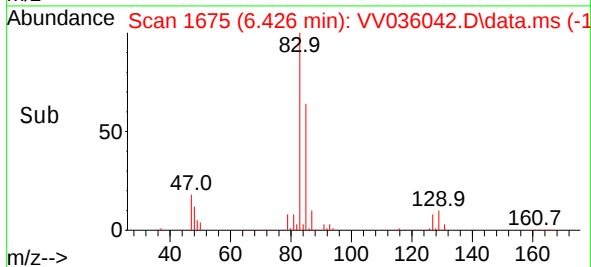
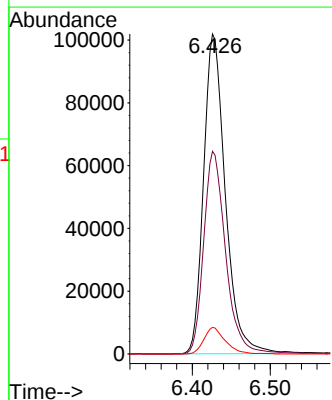
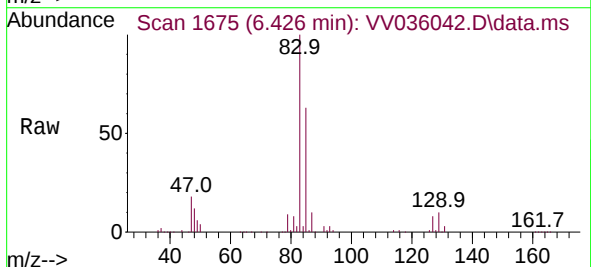
Instrument :
MSVOA_V
ClientSampleId :

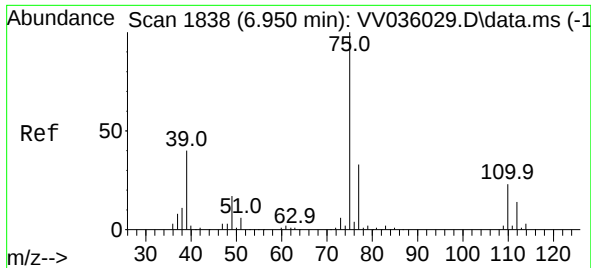
Tgt Ion: 63 Resp: 156952
Ion Ratio Lower Upper
63 100
112 4.5 3.5 5.3



#38
Bromodichloromethane
Concen: 25.709 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. -0.003 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

Tgt Ion: 83 Resp: 197185
Ion Ratio Lower Upper
83 100
85 63.4 45.3 84.1
127 8.3 6.7 10.1

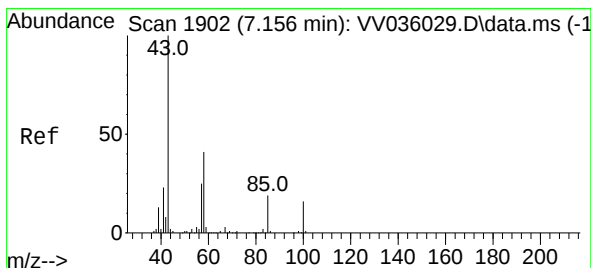
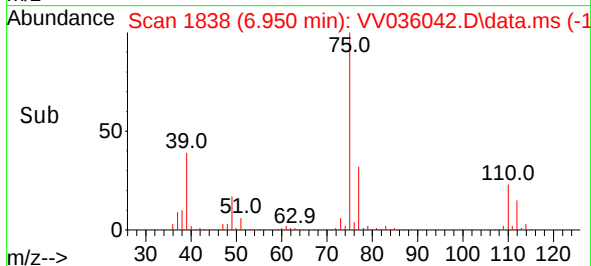
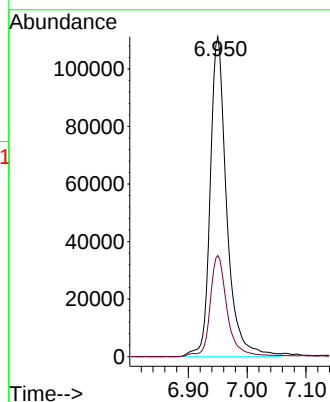
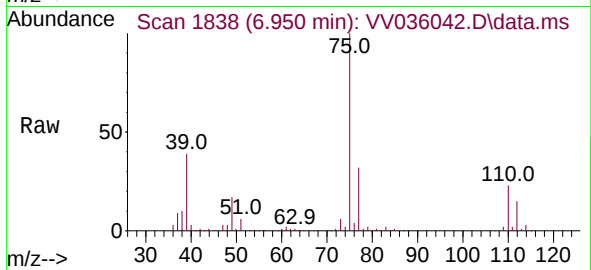




#39
cis-1,3-Dichloropropene
Concen: 25.013 ug/L
RT: 6.950 min Scan# 1838
Delta R.T. 0.000 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

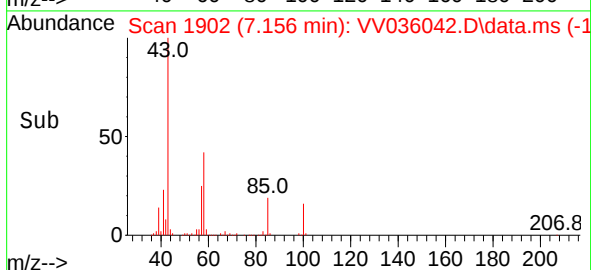
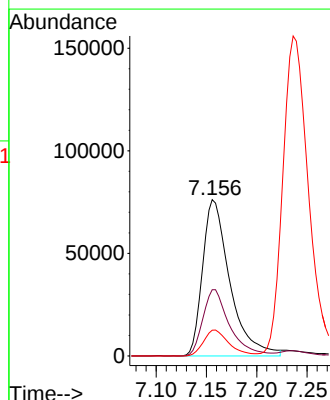
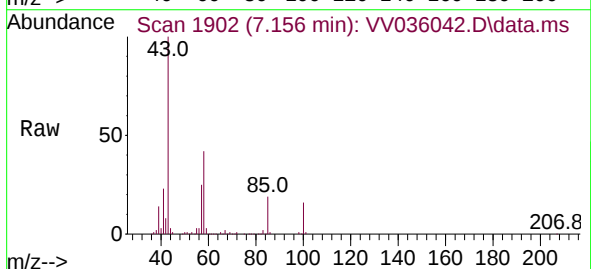
Instrument :
MSVOA_V
ClientSampleId :

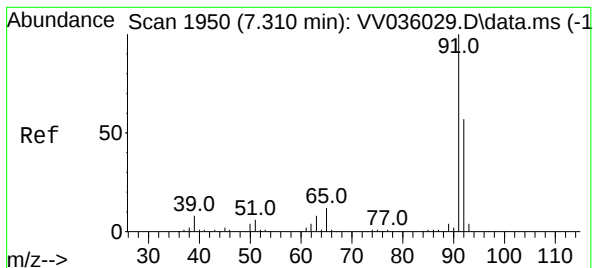
Tgt Ion: 75 Resp: 216791
Ion Ratio Lower Upper
75 100
77 31.6 22.1 41.1



#40
4-Methyl-2-pentanone
Concen: 45.783 ug/L
RT: 7.156 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

Tgt Ion: 43 Resp: 144140
Ion Ratio Lower Upper
43 100
58 41.5 32.5 48.7
100 15.4 12.5 18.7





#42

Toluene

Concen: 28.000 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

Instrument :

MSVOA_V

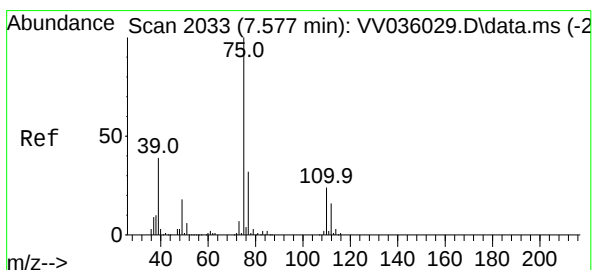
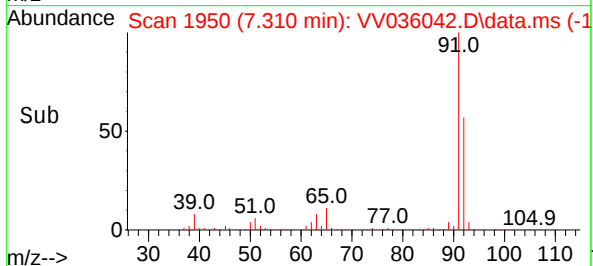
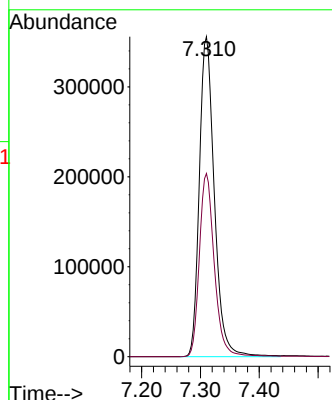
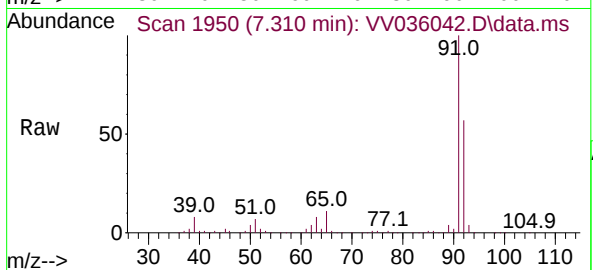
ClientSampleId :

Tgt Ion: 91 Resp: 631408

Ion Ratio Lower Upper

91 100

92 57.3 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 25.235 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV036042.D

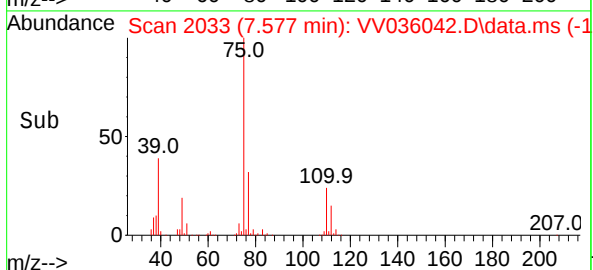
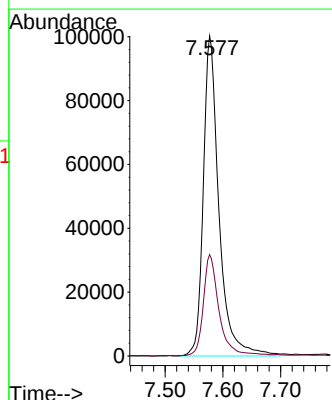
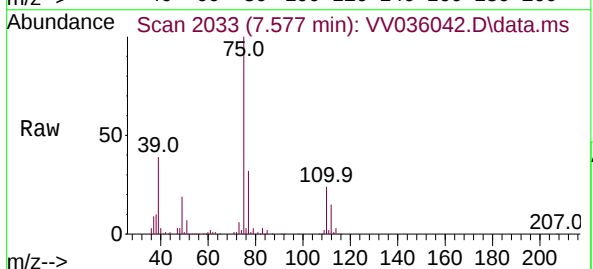
Acq: 12 Jun 2024 09:27

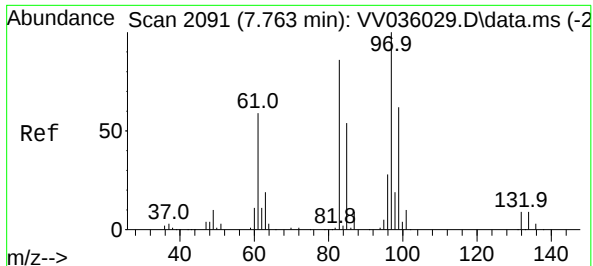
Tgt Ion: 75 Resp: 188918

Ion Ratio Lower Upper

75 100

77 31.6 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 23.783 ug/L

RT: 7.763 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 114035

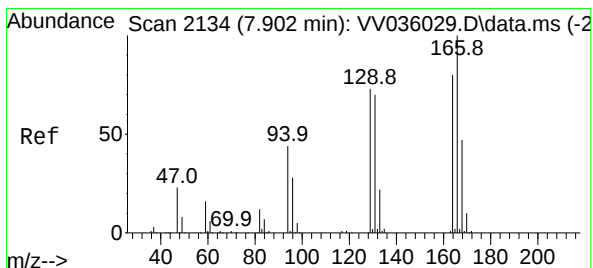
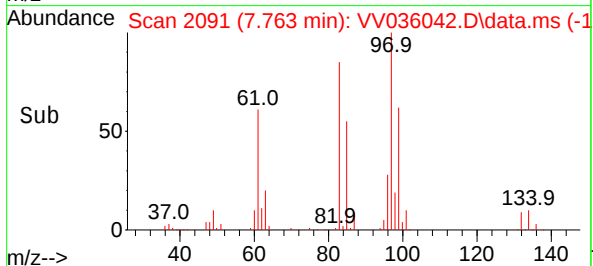
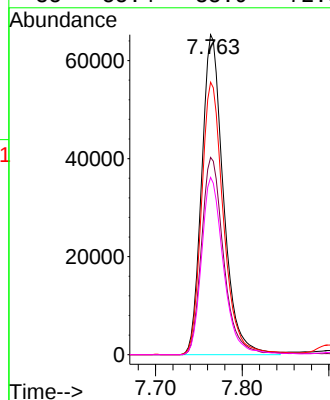
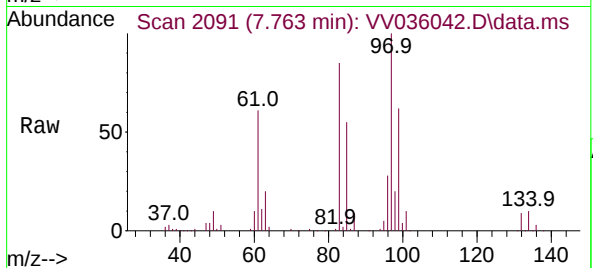
Ion Ratio Lower Upper

97 100

99 61.7 43.3 80.5

83 85.1 60.1 111.7

85 55.4 38.9 72.3



#46

Tetrachloroethene

Concen: 25.265 ug/L

RT: 7.898 min Scan# 2133

Delta R.T. -0.003 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

Tgt Ion:164 Resp: 124982

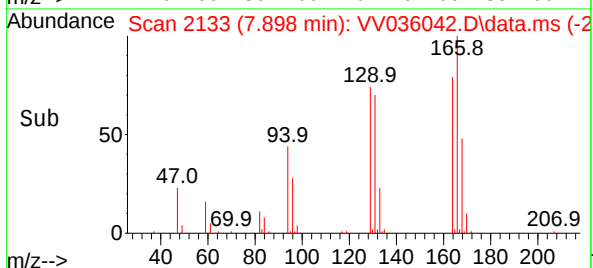
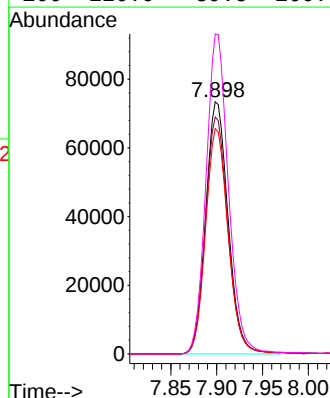
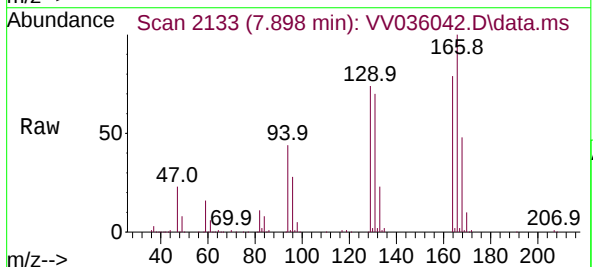
Ion Ratio Lower Upper

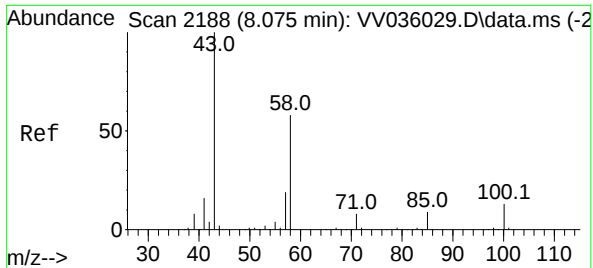
164 100

129 94.0 64.6 120.0

131 89.3 63.2 117.4

166 126.9 89.5 166.3

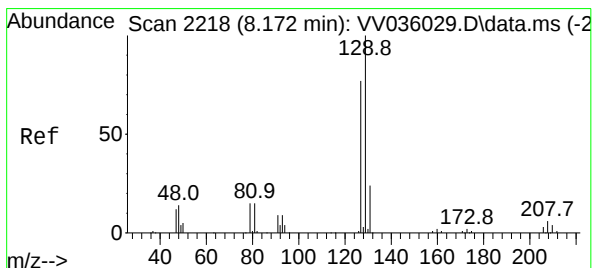
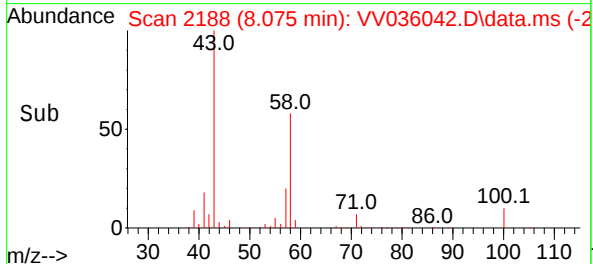
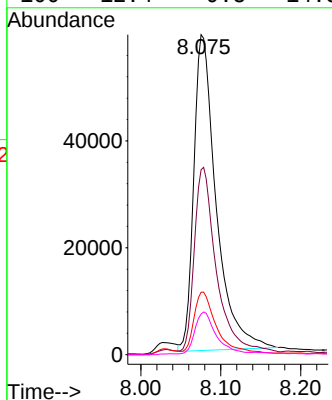
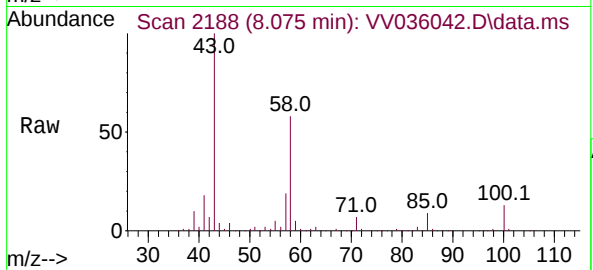




#48
2-Hexanone
Concen: 46.826 ug/L
RT: 8.075 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

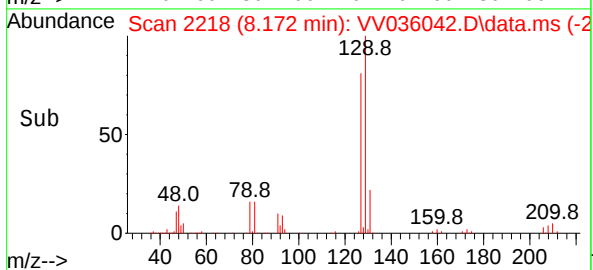
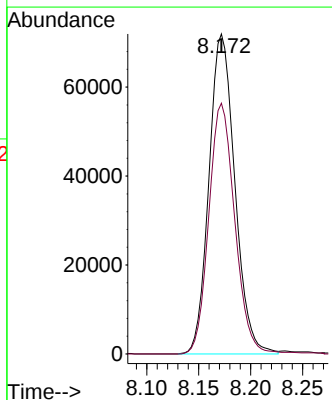
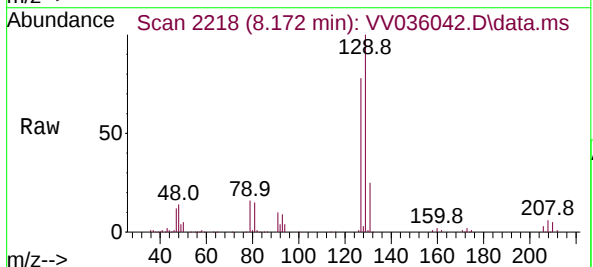
Instrument :
MSVOA_V
ClientSampleId :

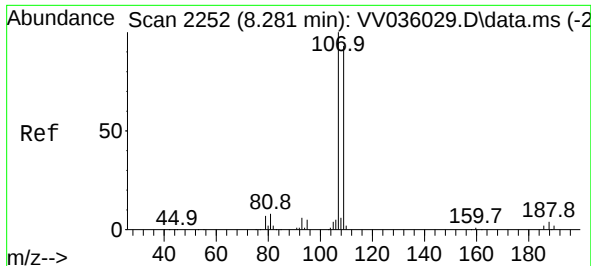
Tgt Ion: 43	Resp: 115254
Ion Ratio	Lower Upper
43 100	
58 58.2	45.4 68.0
57 19.6	15.8 23.8
100 12.4	9.8 14.8



#49
Dibromochloromethane
Concen: 23.769 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

Tgt	Ion:129	Resp:	124732
Ion	Ratio	Lower	Upper
129	100		
127	78.4	53.9	100.1

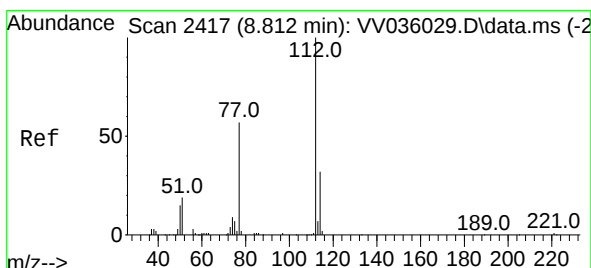
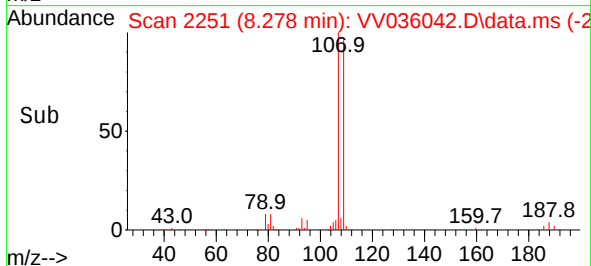
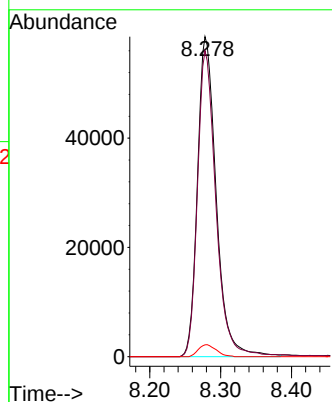
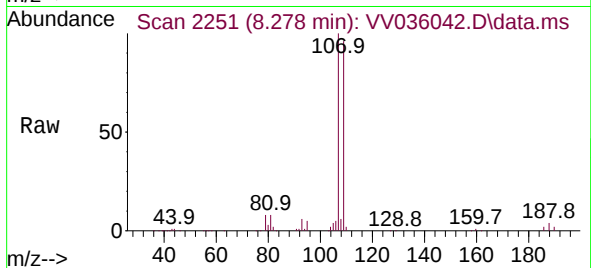




#50
1,2-Dibromoethane
Concen: 23.413 ug/L
RT: 8.278 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

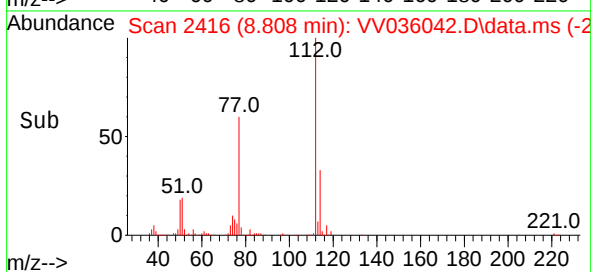
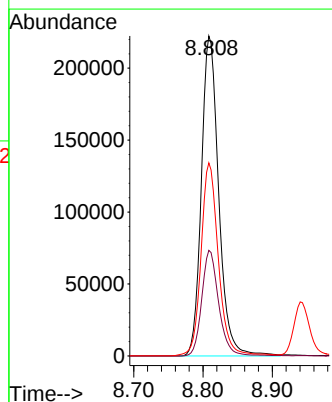
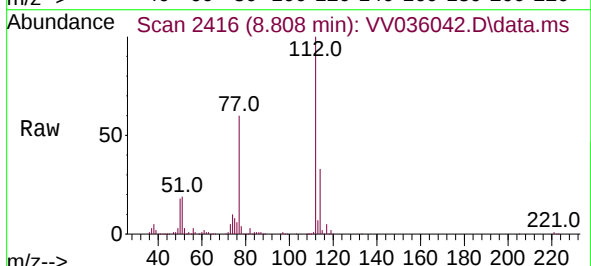
Instrument :
MSVOA_V
ClientSampleId :

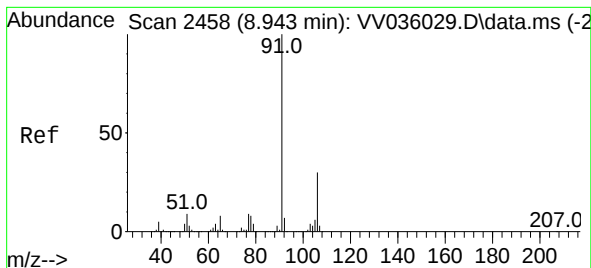
Tgt Ion:107 Resp: 107717
Ion Ratio Lower Upper
107 100
109 95.6 66.1 122.7
188 3.7 3.0 4.6



#51
Chlorobenzene
Concen: 25.168 ug/L
RT: 8.808 min Scan# 2416
Delta R.T. -0.003 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

Tgt Ion:112 Resp: 386706
Ion Ratio Lower Upper
112 100
114 33.0 22.3 41.5
77 60.4 47.3 70.9





#52

Ethylbenzene

Concen: 26.969 ug/L

RT: 8.943 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

Instrument :

MSVOA_V

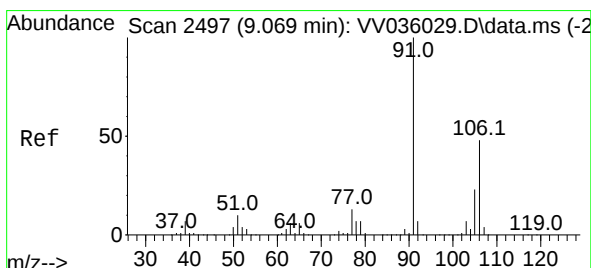
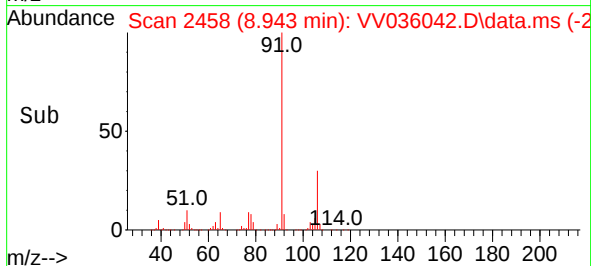
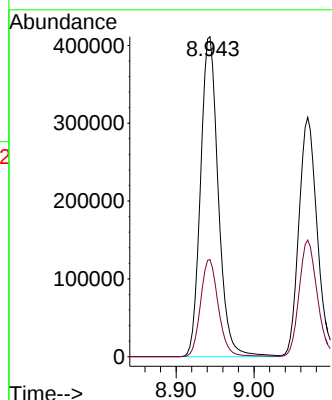
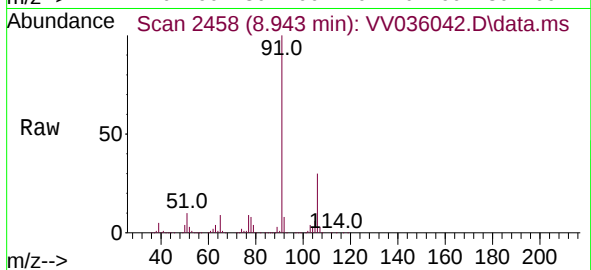
ClientSampleId :

Tgt Ion: 91 Resp: 650684

Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.0



#53

m,p-Xylene

Concen: 26.916 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.000 min

Lab File: VV036042.D

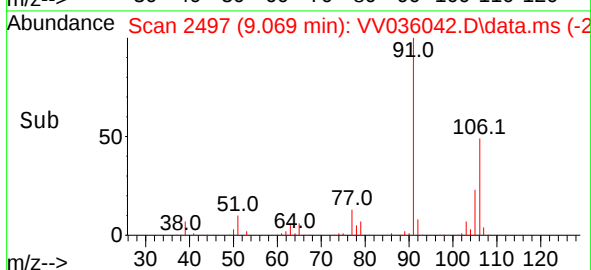
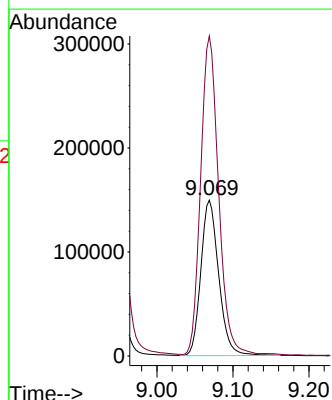
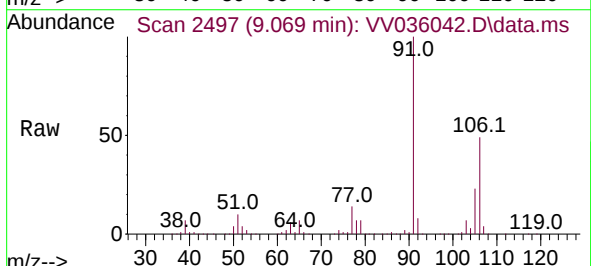
Acq: 12 Jun 2024 09:27

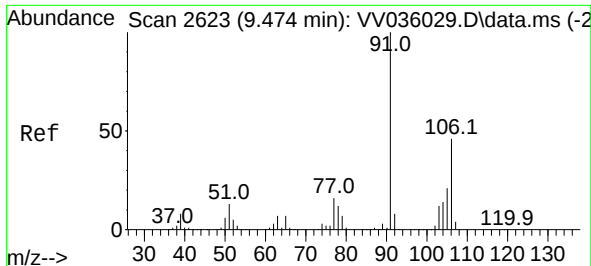
Tgt Ion: 106 Resp: 244011

Ion Ratio Lower Upper

106 100

91 205.3 143.1 265.9

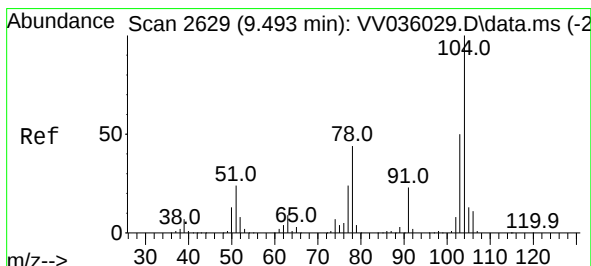
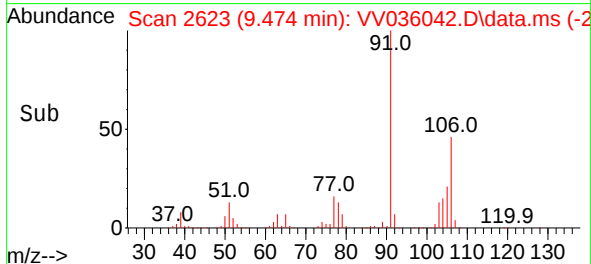
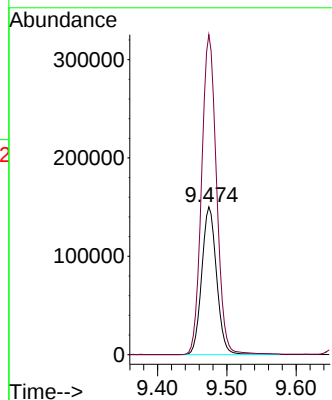
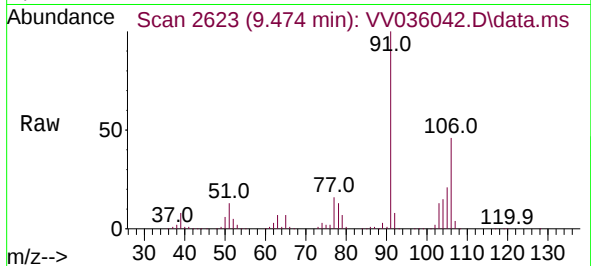




#54
o-Xylene
Concen: 26.217 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. 0.000 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

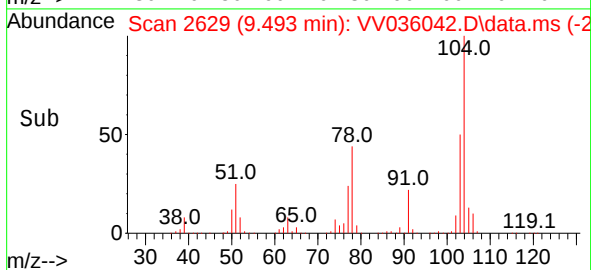
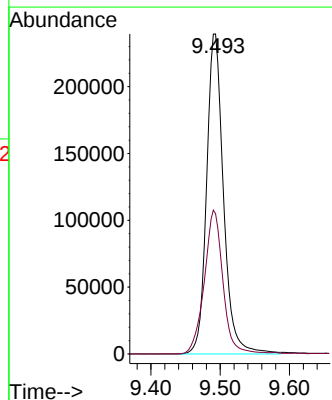
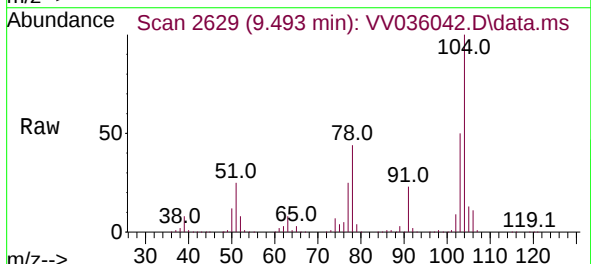
Instrument :
MSVOA_V
ClientSampleId :

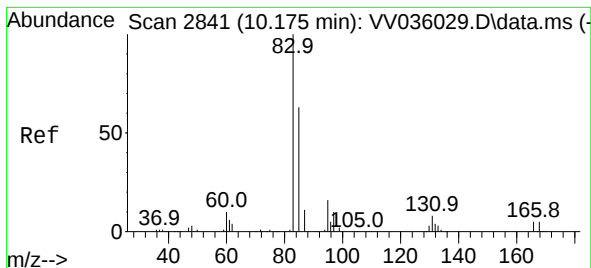
Tgt Ion	Ratio	Lower	Upper
106	100		
91	216.4	154.5	286.9



#55
Styrene
Concen: 26.867 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

Tgt Ion	Ratio	Lower	Upper
104	100		
78	43.9	31.4	58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 24.061 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

Instrument :

MSVOA_V

ClientSampleId :

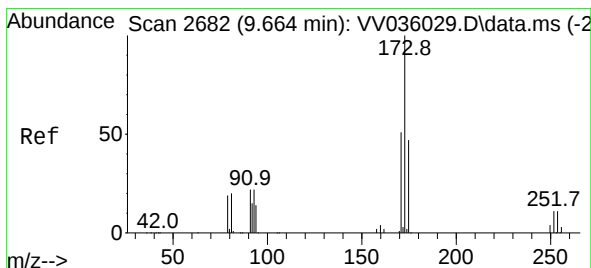
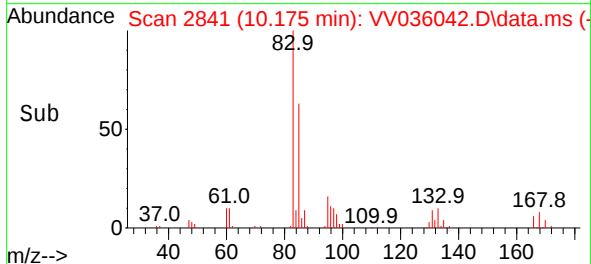
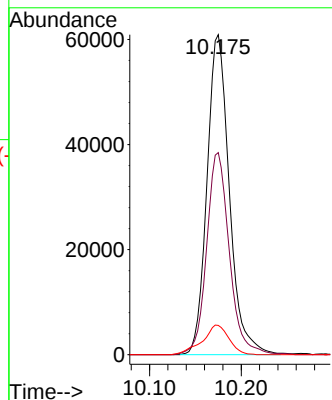
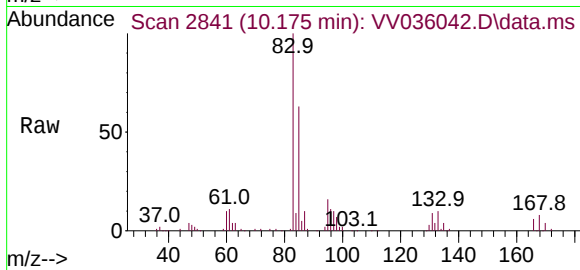
Tgt Ion: 83 Resp: 103303

Ion Ratio Lower Upper

83 100

85 63.1 45.1 83.7

131 9.1 7.6 11.4



#59

Bromoform

Concen: 24.483 ug/L

RT: 9.660 min Scan# 2681

Delta R.T. -0.003 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

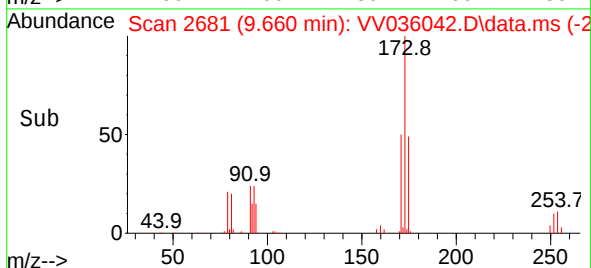
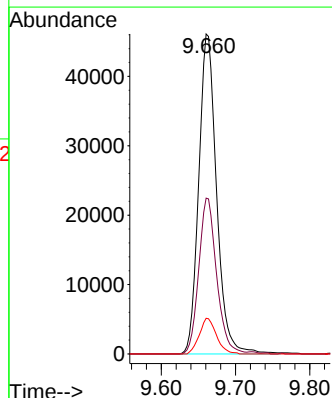
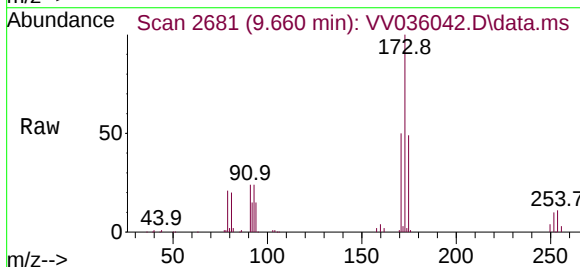
Tgt Ion: 173 Resp: 77185

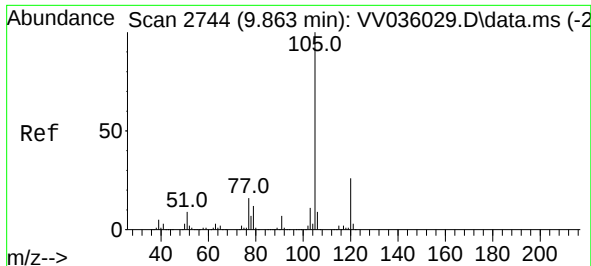
Ion Ratio Lower Upper

173 100

175 48.6 39.0 58.6

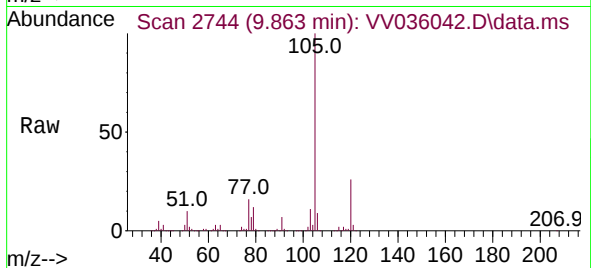
254 10.7 8.6 13.0



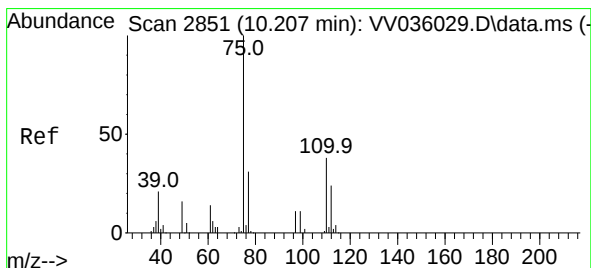
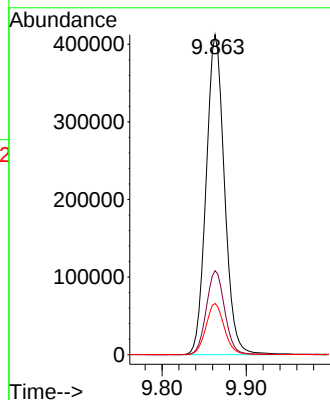
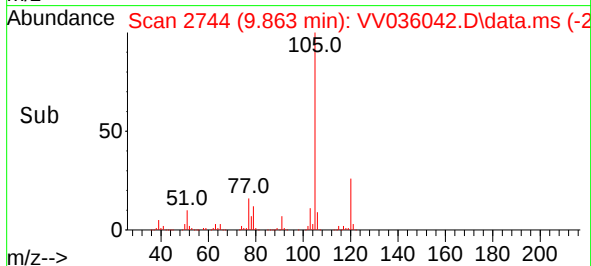


#60
Isopropylbenzene
Concen: 29.120 ug/L
RT: 9.863 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

Instrument :
MSVOA_V
ClientSampleId :

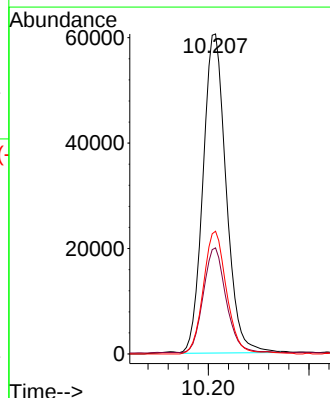
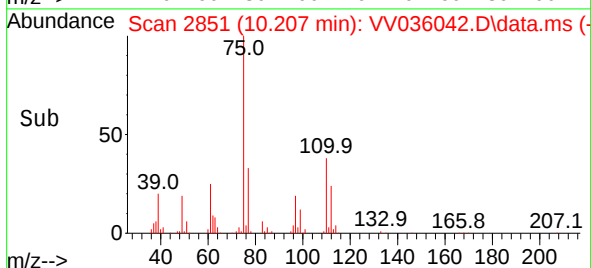
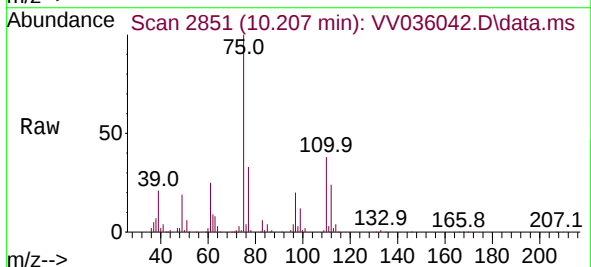


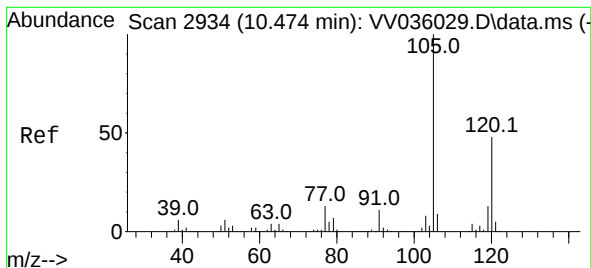
Tgt Ion:105 Resp: 624523
Ion Ratio Lower Upper
105 100
120 26.4 21.0 31.6
77 16.0 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 24.483 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV036042.D
Acq: 12 Jun 2024 09:27

Tgt Ion: 75 Resp: 96798
Ion Ratio Lower Upper
75 100
77 32.1 26.0 39.0
110 38.3 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 27.214 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

Instrument :

MSVOA_V

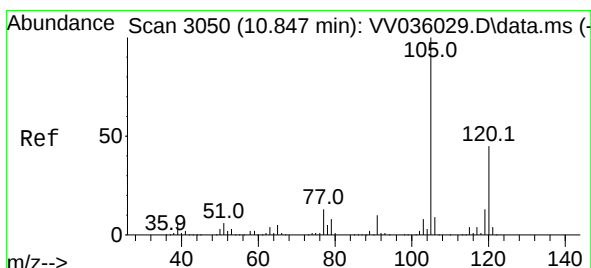
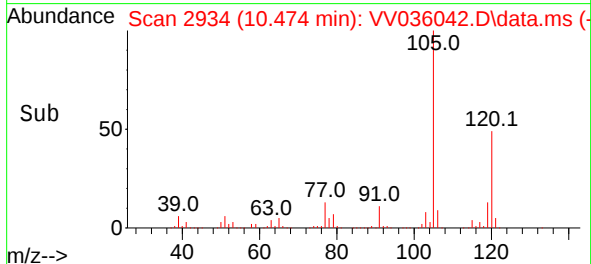
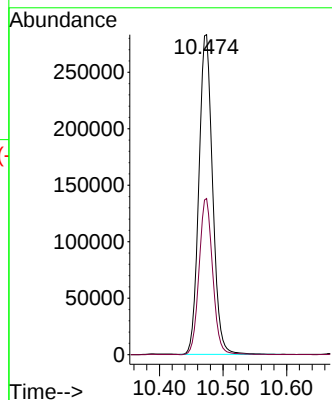
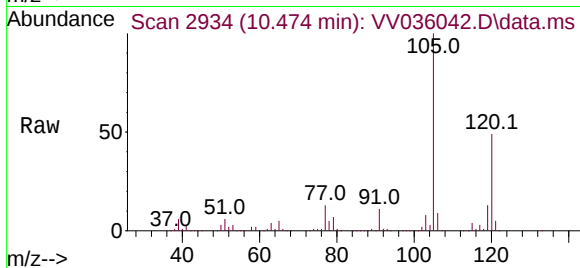
ClientSampleId :

Tgt Ion:105 Resp: 423228

Ion Ratio Lower Upper

105 100

120 48.7 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 27.000 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.000 min

Lab File: VV036042.D

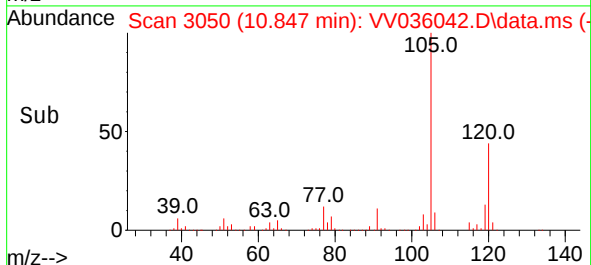
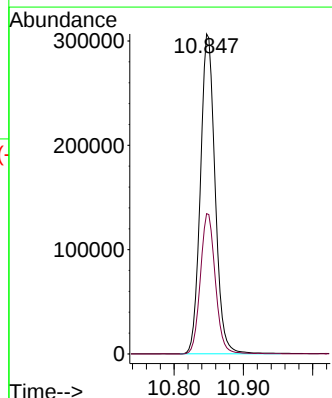
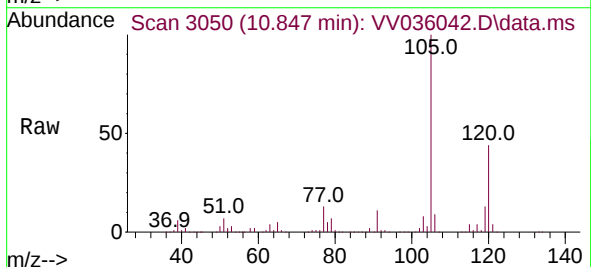
Acq: 12 Jun 2024 09:27

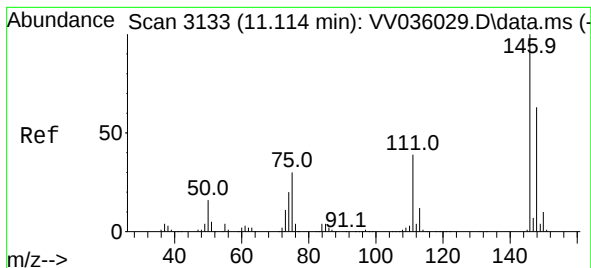
Tgt Ion:105 Resp: 452405

Ion Ratio Lower Upper

105 100

120 44.6 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 25.504 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

Instrument :

MSVOA_V

ClientSampleId :

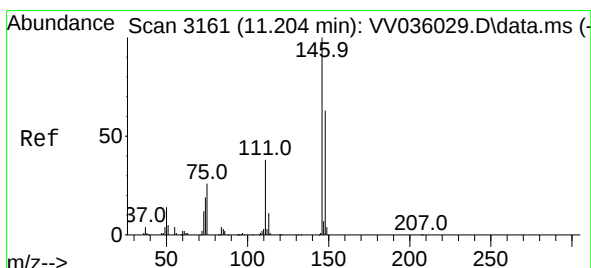
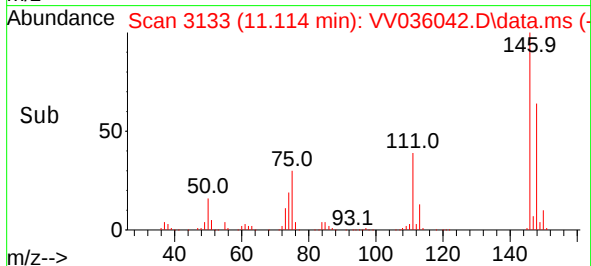
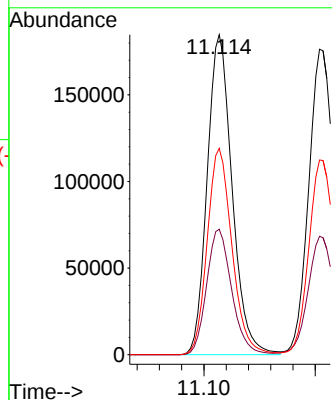
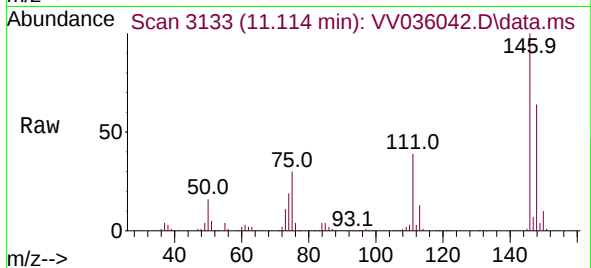
Tgt Ion:146 Resp: 287249

Ion Ratio Lower Upper

146 100

111 39.2 28.1 52.1

148 64.5 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 24.865 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

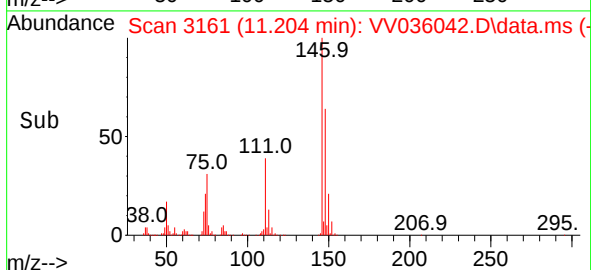
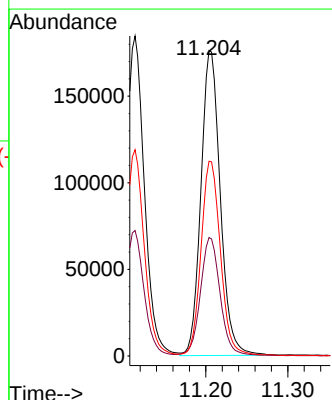
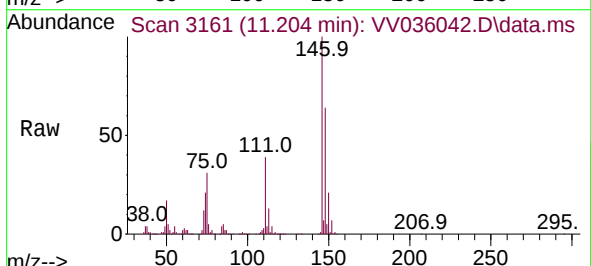
Tgt Ion:146 Resp: 289066

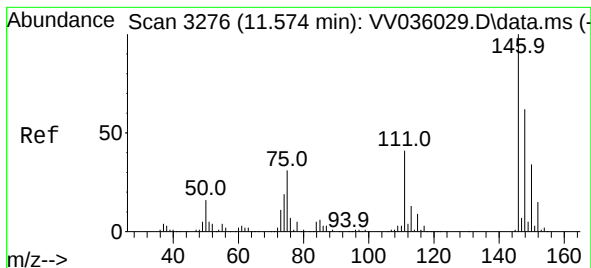
Ion Ratio Lower Upper

146 100

111 38.7 26.9 50.1

148 63.8 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 24.448 ug/L

RT: 11.577 min Scan# 3276

Delta R.T. 0.003 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

Instrument :

MSVOA_V

ClientSampleId :

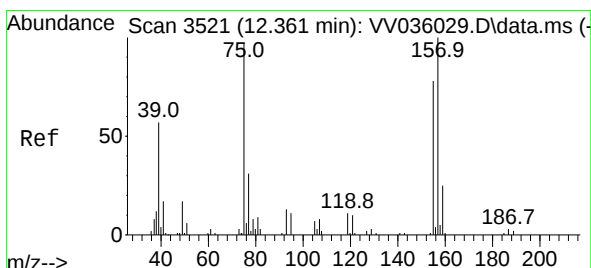
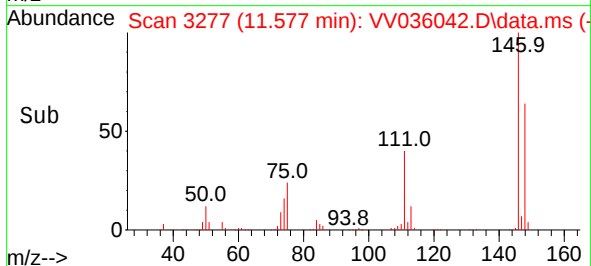
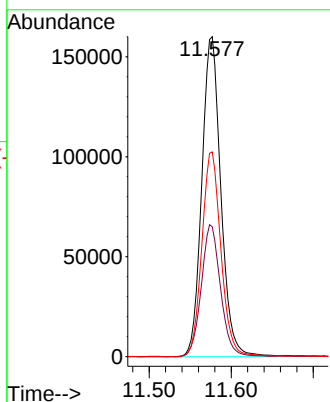
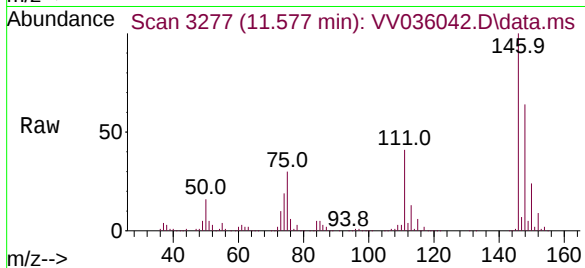
Tgt Ion:146 Resp: 259120

Ion Ratio Lower Upper

146 100

111 40.6 33.5 50.3

148 64.0 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 23.652 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

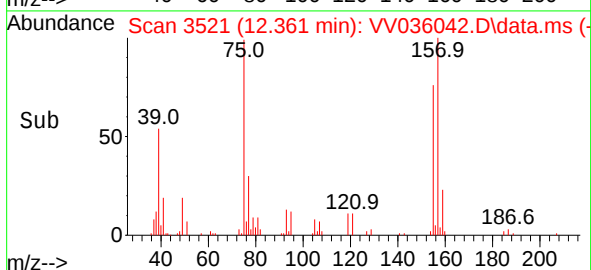
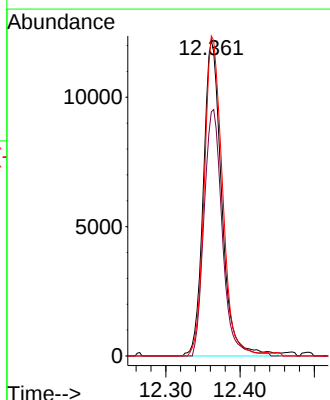
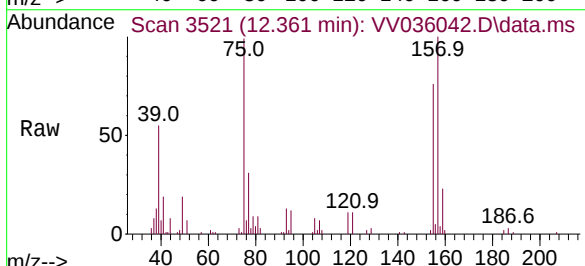
Tgt Ion: 75 Resp: 20911

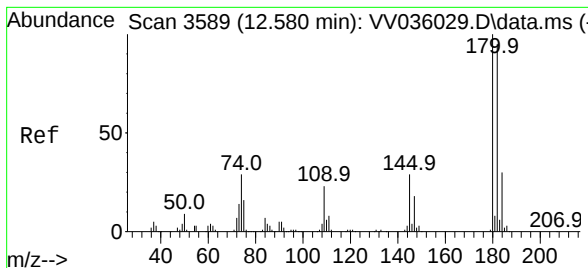
Ion Ratio Lower Upper

75 100

155 77.2 63.3 94.9

157 101.2 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 22.592 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.003 min

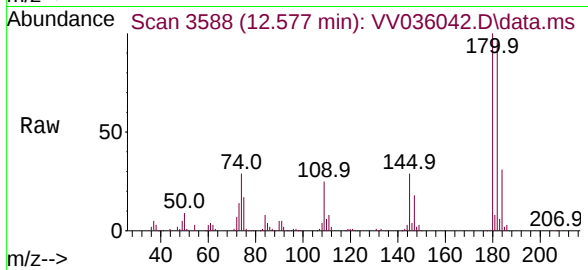
Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 190338

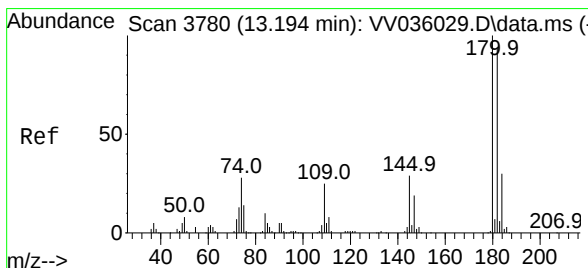
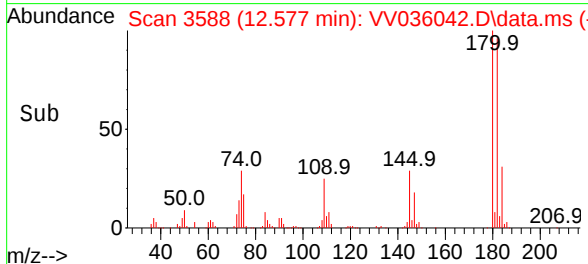
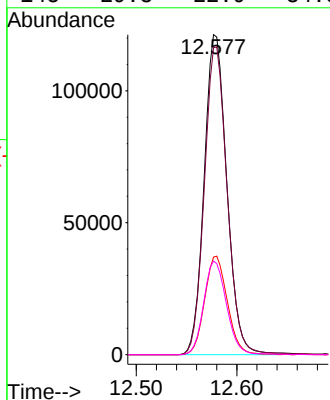
Ion Ratio Lower Upper

180 100

182 96.7 76.2 114.4

184 30.8 24.2 36.2

145 29.3 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 21.207 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

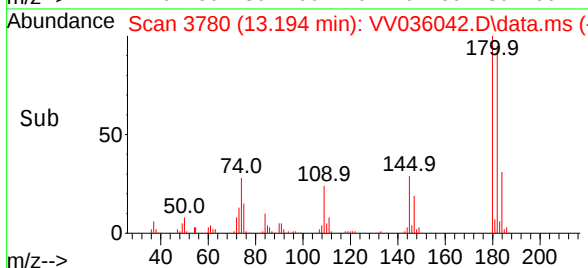
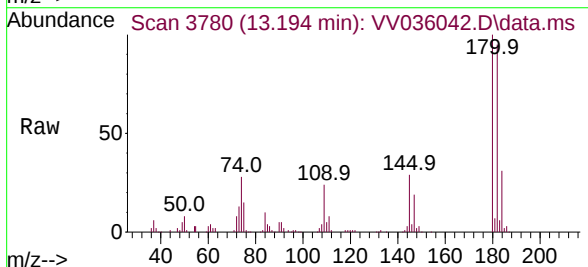
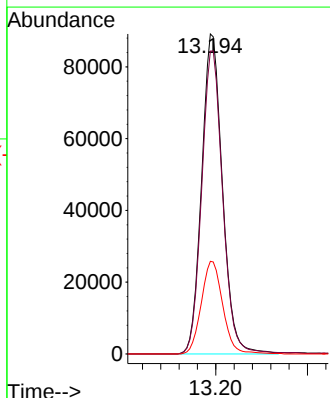
Tgt Ion:180 Resp: 140677

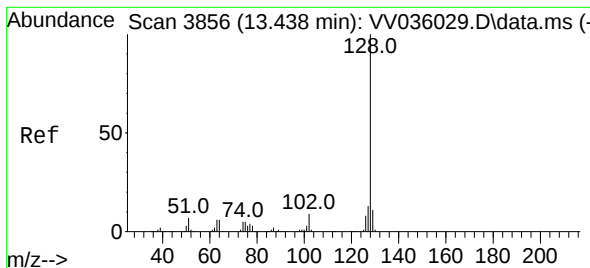
Ion Ratio Lower Upper

180 100

182 95.4 76.1 114.1

145 29.9 23.5 35.3





#71

Naphthalene

Concen: 19.888 ug/L

RT: 13.435 min Scan# 3856

Delta R.T. -0.003 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

Instrument :

MSVOA_V

ClientSampleId :

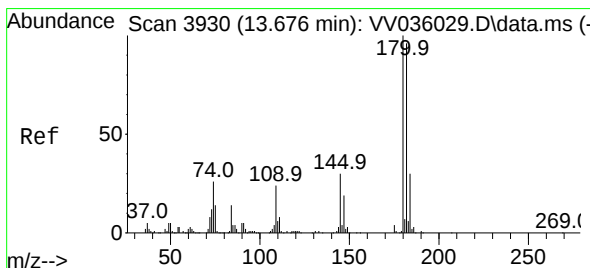
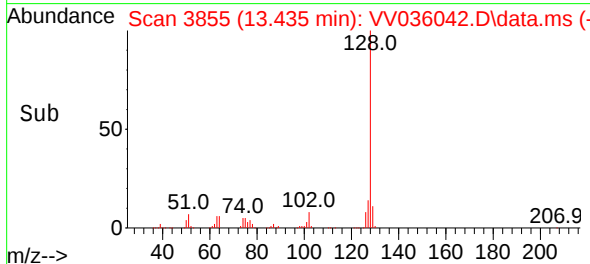
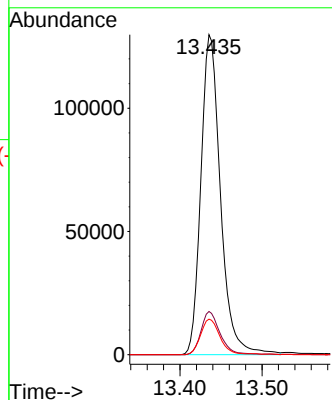
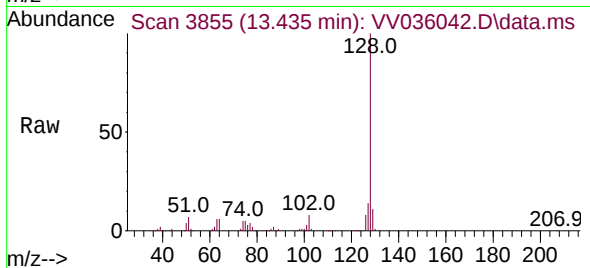
Tgt Ion:128 Resp: 215306

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 10.9 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 21.462 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036042.D

Acq: 12 Jun 2024 09:27

Tgt Ion:180 Resp: 129917

Ion Ratio Lower Upper

180 100

182 96.1 75.1 112.7

145 31.0 25.2 37.8

