

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062524\
 Data File : VW036283.D
 Acq On : 25 Jun 2024 20:14
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 26 04:26:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 26 04:03:41 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	413828	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	421297	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	227626	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	132043	17.355	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.440%
7) Chloroethane-d5	1.526	69	115312	19.008	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.040%
11) 1,1-Dichloroethene-d2	2.050	65	58344	17.226	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.920%
21) 2-Butanone-d5	3.841	46	101732	58.279	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.560%
24) Chloroform-d	4.243	84	308134	23.421	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.680%
26) 1,2-Dichloroethane-d4	4.940	65	169344	24.550	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.200%
32) Benzene-d6	4.953	84	575328	22.974	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.880%
36) 1,2-Dichloropropane-d6	5.985	67	175412	22.243	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.960%
41) Toluene-d8	7.239	98	537752	24.337	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.360%
43) trans-1,3-Dichloroprop...	7.551	79	76766	23.740	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.960%
47) 2-Hexanone-d5	8.030	63	76377	71.482	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	142.960%#
56) 1,1,2,2-Tetrachloroeth...	10.149	84	156879	26.621	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.480%
66) 1,2-Dichlorobenzene-d4	11.557	152	217275	26.029	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.120%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	133817	17.934	ug/L	99
3) Chloromethane	1.211	50	143326	16.737	ug/L	99
5) Vinyl chloride	1.278	62	166671	18.488	ug/L	99
6) Bromomethane	1.484	94	117751	21.055	ug/L	100
8) Chloroethane	1.545	64	107050	19.104	ug/L	97
9) Trichlorofluoromethane	1.706	101	239835	21.422	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	142898	20.112	ug/L	94
12) 1,1-Dichloroethene	2.063	96	137720	20.782	ug/L	81
13) Acetone	2.156	43	64053	23.556	ug/L	98
14) Carbon disulfide	2.230	76	412370	17.919	ug/L	100
15) Methyl Acetate	2.387	43	73077	21.622	ug/L	93
16) Methylene chloride	2.439	84	187470	20.020	ug/L	93
17) trans-1,2-Dichloroethene	2.686	96	152628	21.682	ug/L	92
18) Methyl tert-butyl Ether	2.703	73	407137	25.763	ug/L	97
19) 1,1-Dichloroethane	3.108	63	274382	20.467	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	166373	23.521	ug/L	98
22) 2-Butanone	3.918	43	82962	35.957	ug/L #	66
23) Bromochloromethane	4.146	128	86878	24.486	ug/L #	84
25) Chloroform	4.272	83	311646	22.599	ug/L	99

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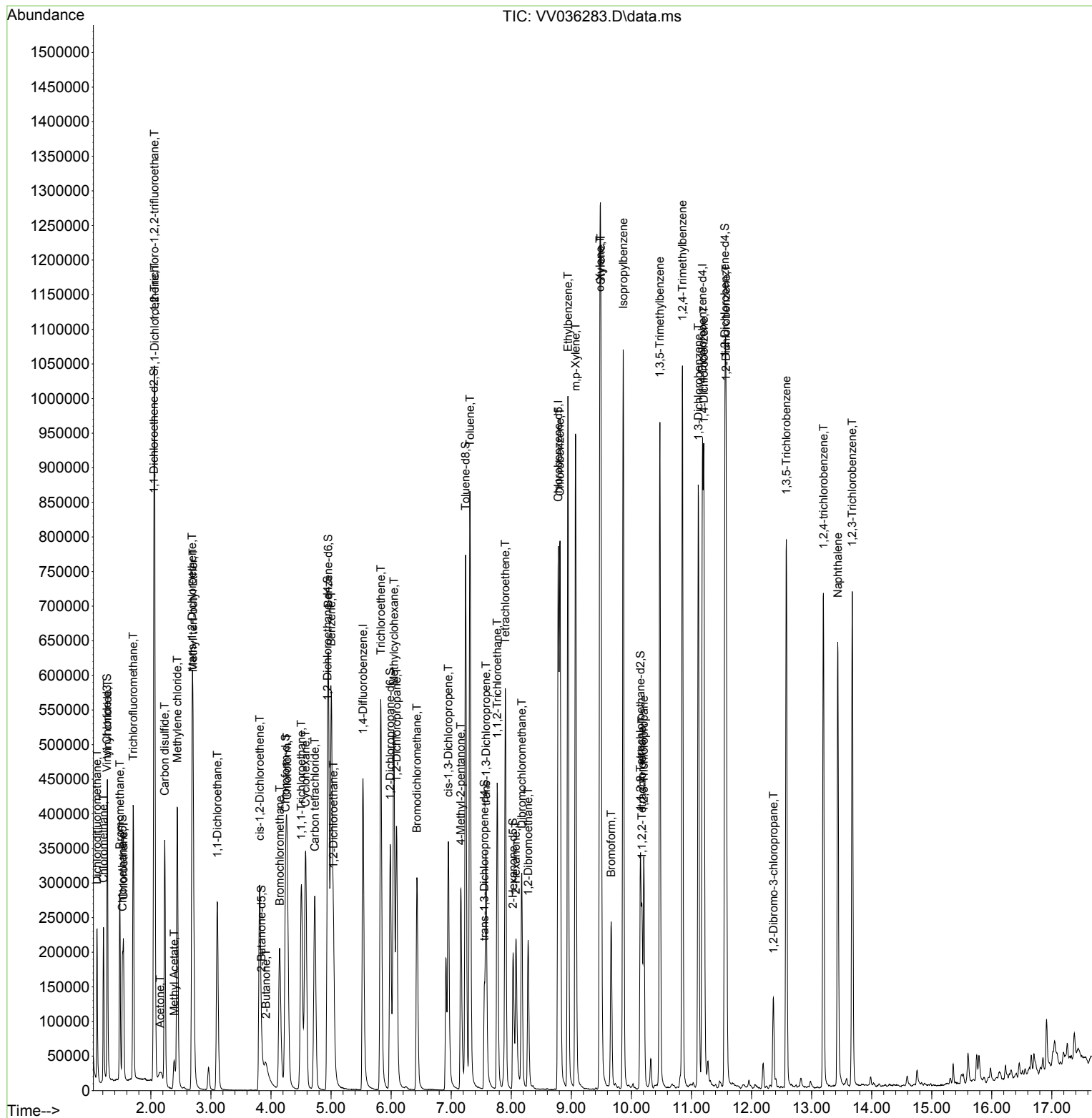
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	202519	23.523	ug/L	100
29) Cyclohexane	4.577	56	185297	18.473	ug/L	90
30) 1,1,1-Trichloroethane	4.506	97	254188	22.070	ug/L	96
31) Carbon tetrachloride	4.728	117	225438	22.311	ug/L	100
33) Benzene	5.005	78	613021	22.248	ug/L	100
34) Trichloroethene	5.828	95	199019	23.567	ug/L	97
35) Methylcyclohexane	6.046	83	230866	19.769	ug/L	95
37) 1,2-Dichloropropane	6.091	63	154427	21.344	ug/L	98
38) Bromodichloromethane	6.429	83	221786	23.160	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	238047	21.998	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	197103	50.142	ug/L #	94
42) Toluene	7.313	91	667703	23.715	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	218764	23.405	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	143753	24.013	ug/L	99
46) Tetrachloroethene	7.902	164	133793	21.662	ug/L	99
48) 2-Hexanone	8.079	43	140177	45.614	ug/L #	94
49) Dibromochloromethane	8.175	129	164359	25.086	ug/L	99
50) 1,2-Dibromoethane	8.281	107	149170	25.969	ug/L	98
51) Chlorobenzene	8.812	112	450757	23.497	ug/L	97
52) Ethylbenzene	8.943	91	698946	23.203	ug/L	98
53) m,p-Xylene	9.072	106	274733	24.272	ug/L	96
54) o-Xylene	9.477	106	262616	24.603	ug/L	96
55) Styrene	9.493	104	465515	24.731	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	120318	22.446	ug/L	99
59) Bromoform	9.664	173	110499	25.741	ug/L	99
60) Isopropylbenzene	9.866	105	687852	23.554	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	137474	25.536	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	502425	23.726	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	563451	24.696	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	353788	23.069	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	356575	22.526	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	342483	23.731	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	34103	28.329	ug/L	87
69) 1,3,5-Trichlorobenzene	12.580	180	255203	22.246	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	221845	24.561	ug/L	100
71) Naphthalene	13.435	128	513672	34.847	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	218297	26.484	ug/L	99

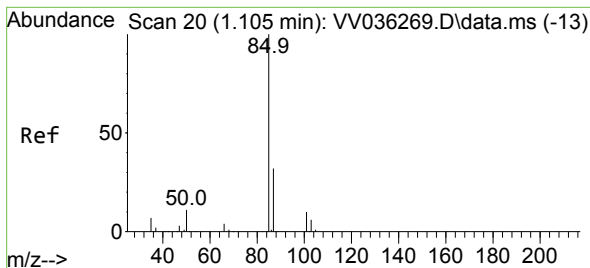
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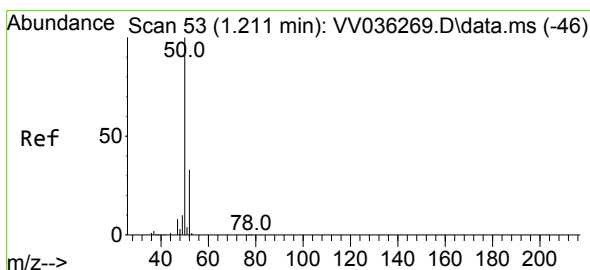
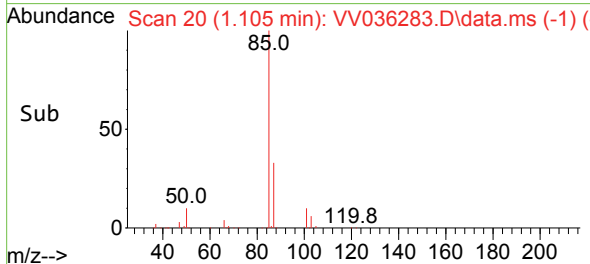
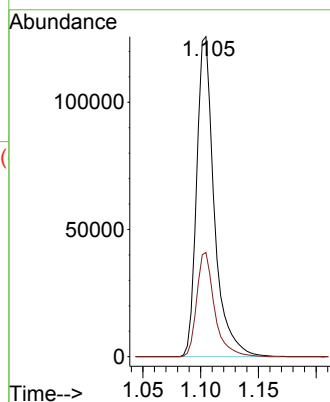
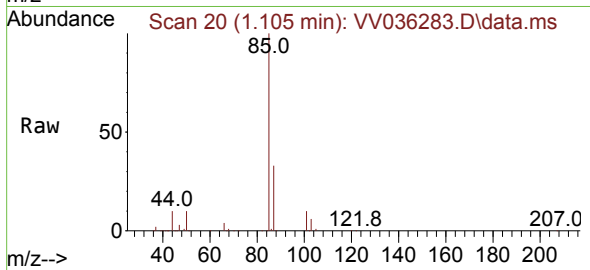




#2
 Dichlorodifluoromethane
 Concen: 17.934 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV036283.D
 Acq: 25 Jun 2024 20:14

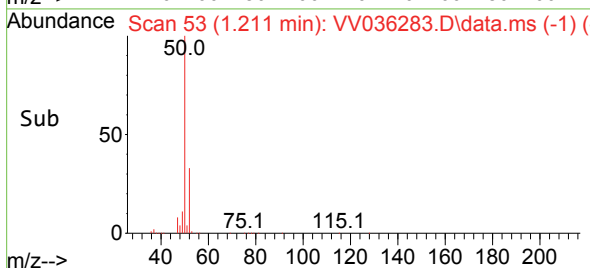
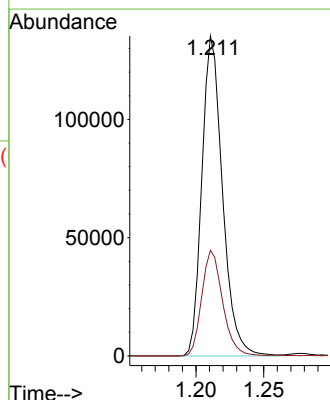
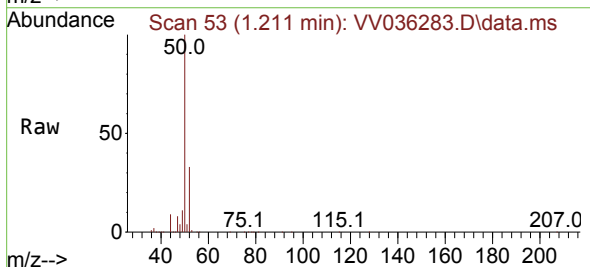
Instrument :
 MSVOA_V
 ClientSampleId :

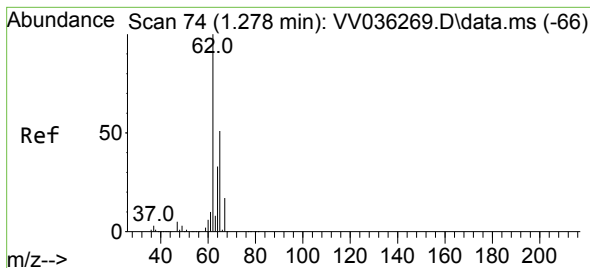
Tgt Ion: 85 Resp: 133817
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.9 38.9



#3
 Chloromethane
 Concen: 16.737 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. -0.000 min
 Lab File: VV036283.D
 Acq: 25 Jun 2024 20:14

Tgt Ion: 50 Resp: 143326
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.8 42.4





#5

Vinyl chloride

Concen: 18.488 ug/L

RT: 1.278 min Scan# 74

Delta R.T. -0.000 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

Instrument :

MSVOA_V

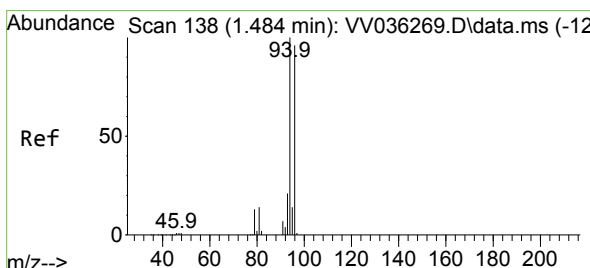
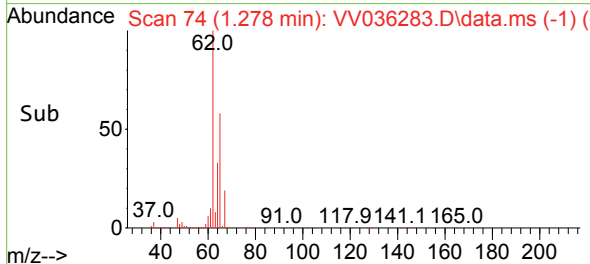
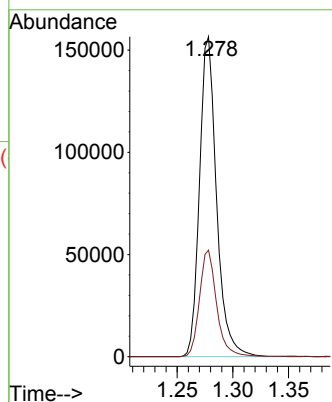
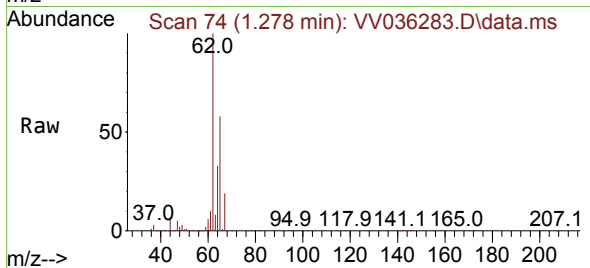
ClientSampleId :

Tgt Ion: 62 Resp: 166671

Ion Ratio Lower Upper

62 100

64 33.3 22.9 42.5



#6

Bromomethane

Concen: 21.055 ug/L

RT: 1.484 min Scan# 138

Delta R.T. -0.000 min

Lab File: VV036283.D

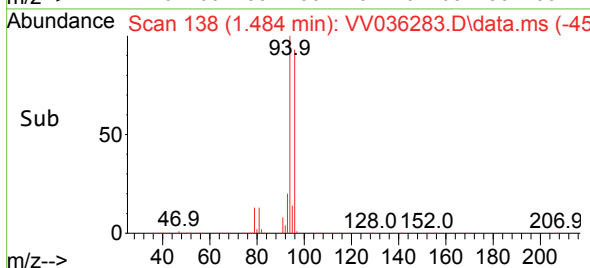
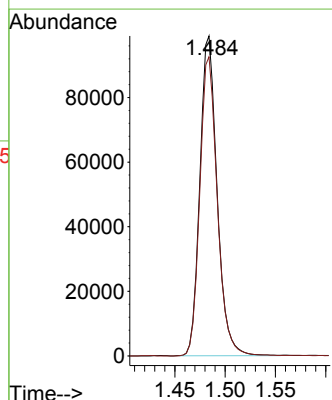
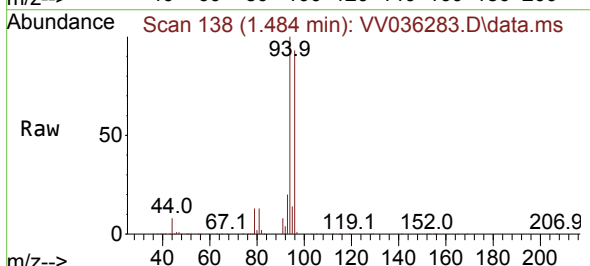
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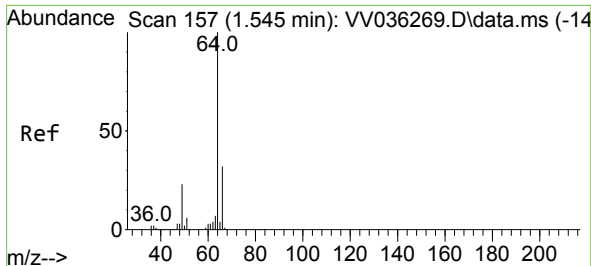
Tgt Ion: 94 Resp: 117751

Ion Ratio Lower Upper

94 100

96 93.5 65.7 122.1

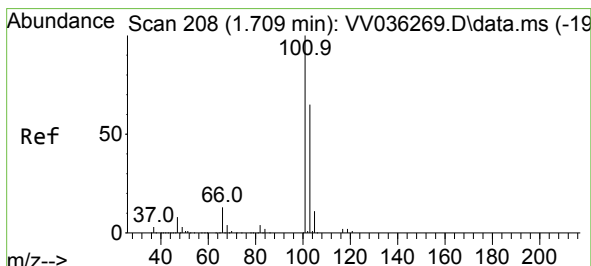
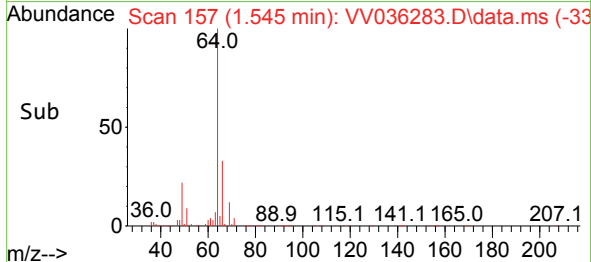
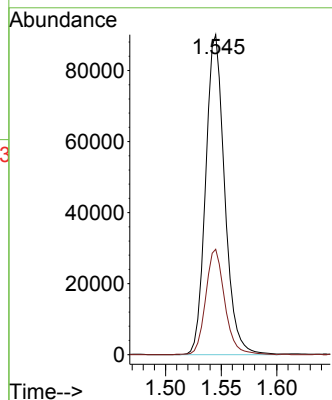
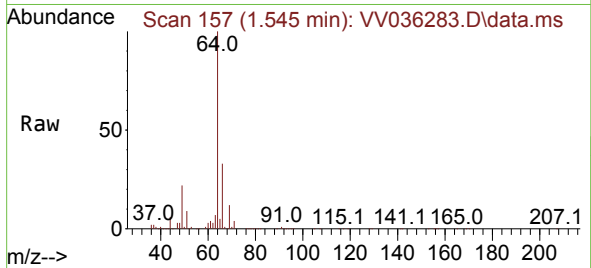




#8
Chloroethane
Concen: 19.104 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV036283.D
Acq: 25 Jun 2024 20:14

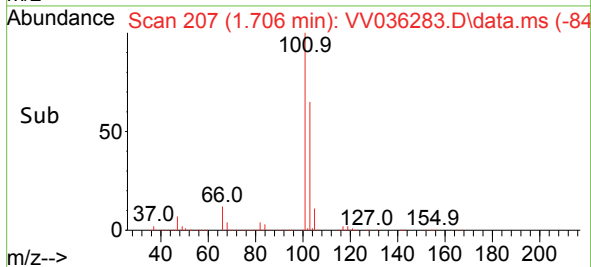
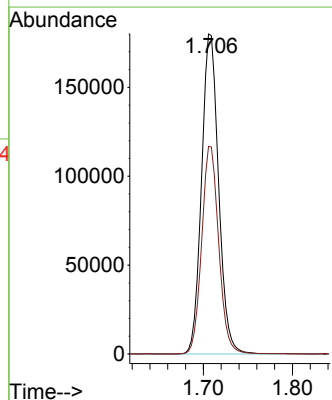
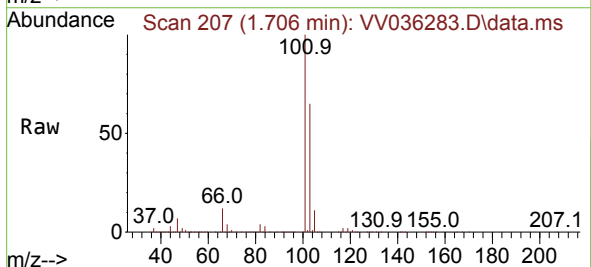
Instrument :
MSVOA_V
ClientSampleId :

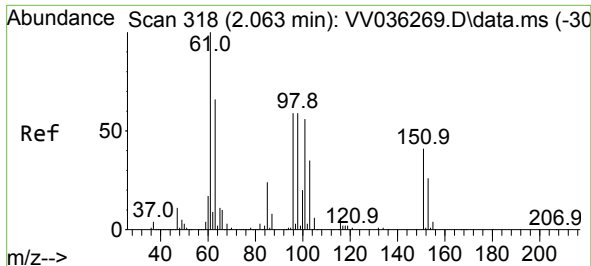
Tgt Ion: 64 Resp: 107050
Ion Ratio Lower Upper
64 100
66 33.0 22.0 41.0



#9
Trichlorofluoromethane
Concen: 21.422 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.003 min
Lab File: VV036283.D
Acq: 25 Jun 2024 20:14

Tgt Ion:101 Resp: 239835
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8





#10

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

Concen: 20.112 ug/L

RT: 2.059 min Scan# 317

Delta R.T. -0.003 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

Instrument :

MSVOA_V

ClientSampleId :

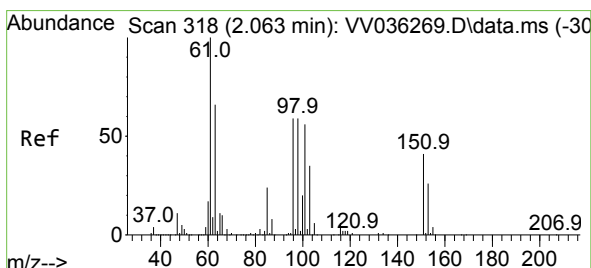
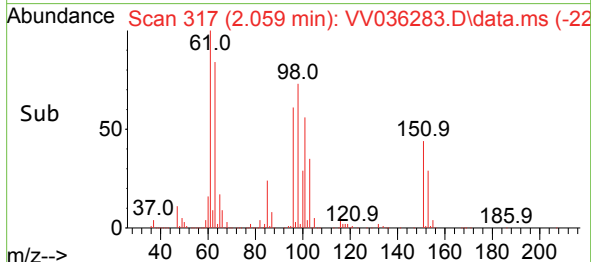
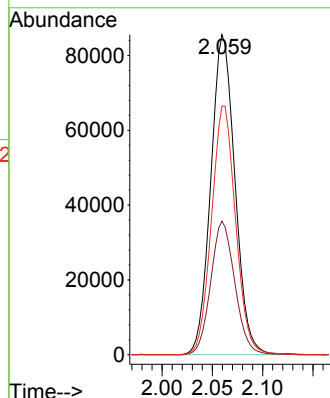
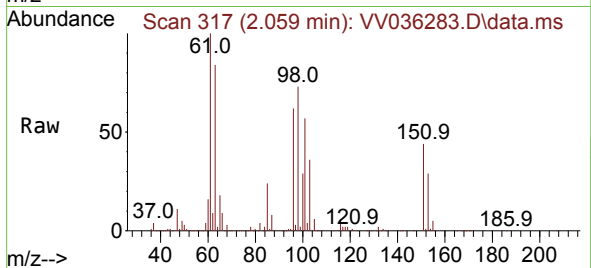
Tgt Ion:101 Resp: 142898

Ion Ratio Lower Upper

101 100

85 41.6 34.5 51.7

151 77.7 56.3 84.5



#12

1,1-Dichloroethene

Concen: 20.782 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.000 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

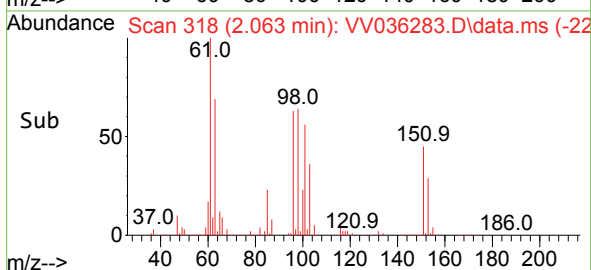
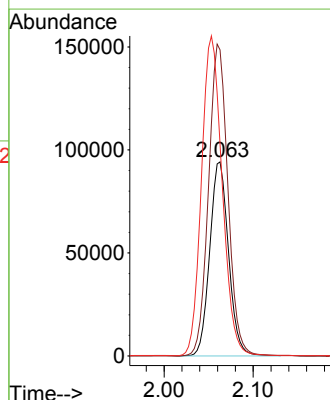
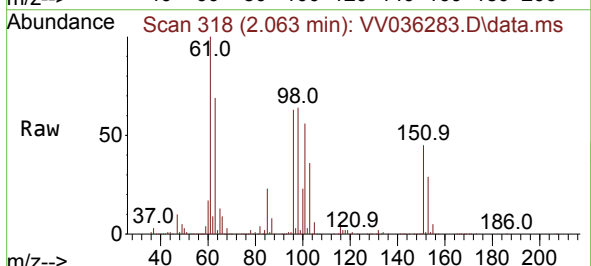
Tgt Ion: 96 Resp: 137720

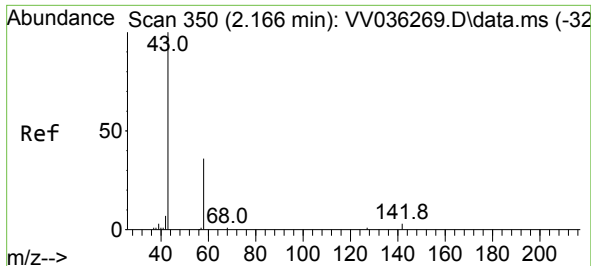
Ion Ratio Lower Upper

96 100

61 157.7 127.3 236.3

63 109.1 93.7 173.9





#13

Acetone

Concen: 23.556 ug/L

RT: 2.156 min Scan# 34

Delta R.T. -0.010 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

Instrument :

MSVOA_V

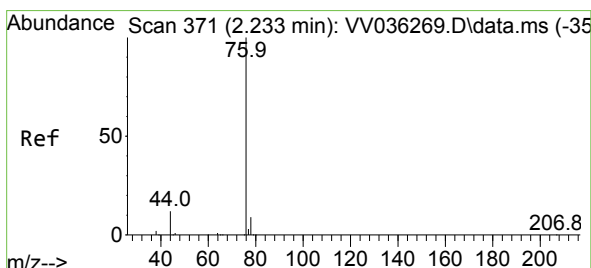
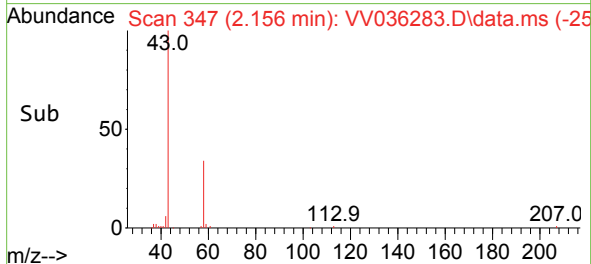
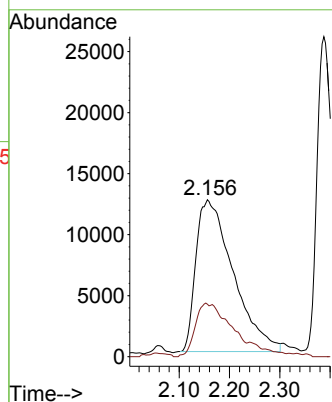
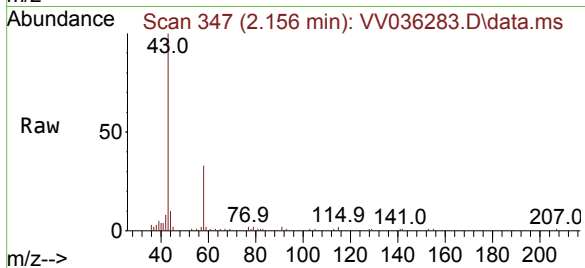
ClientSampleId :

Tgt Ion: 43 Resp: 64053

Ion Ratio Lower Upper

43 100

58 13.0 0.0 24.2



#14

Carbon disulfide

Concen: 17.919 ug/L

RT: 2.230 min Scan# 370

Delta R.T. -0.003 min

Lab File: VV036283.D

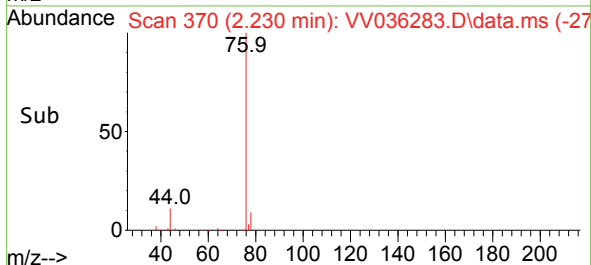
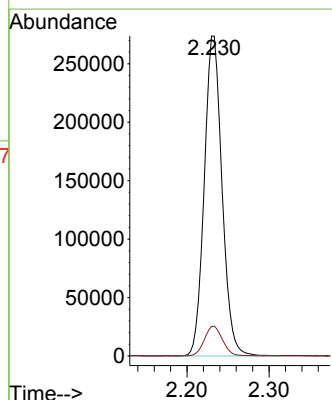
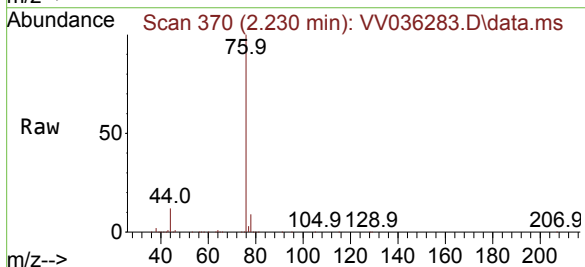
Acq: 25 Jun 2024 20:14

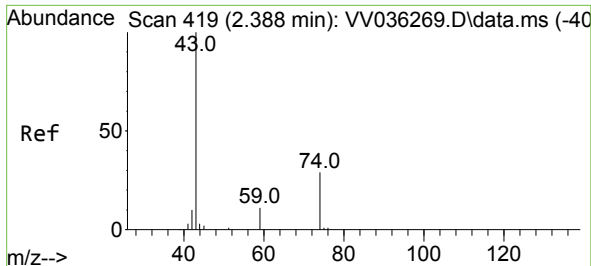
Tgt Ion: 76 Resp: 412370

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

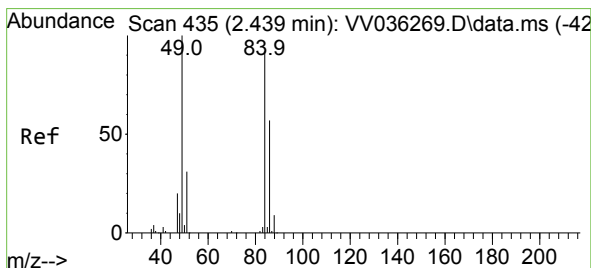
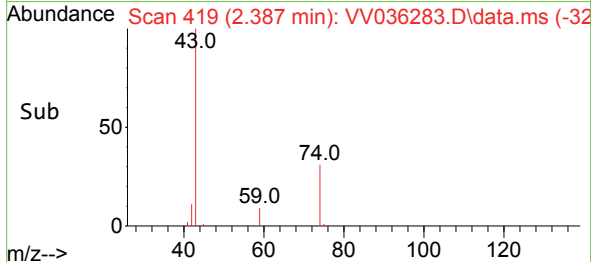
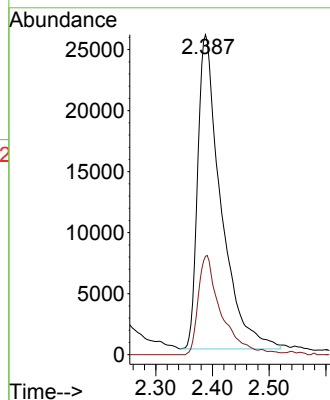
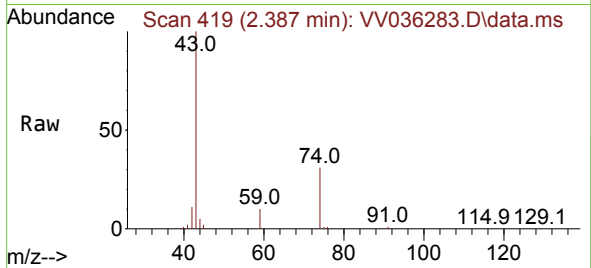




#15
Methyl Acetate
Concen: 21.622 ug/L
RT: 2.387 min Scan# 419
Delta R.T. -0.000 min
Lab File: VV036283.D
Acq: 25 Jun 2024 20:14

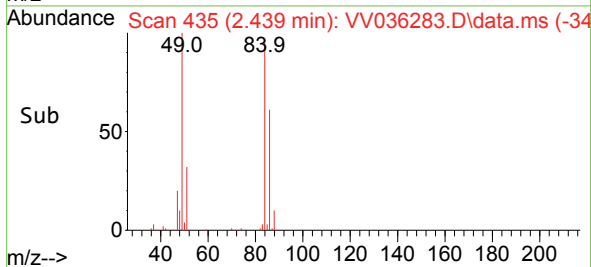
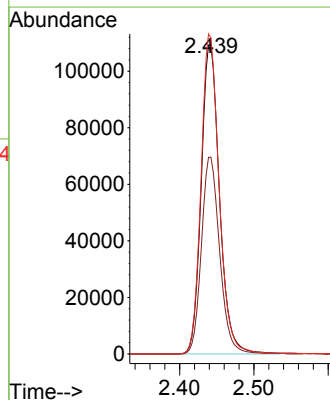
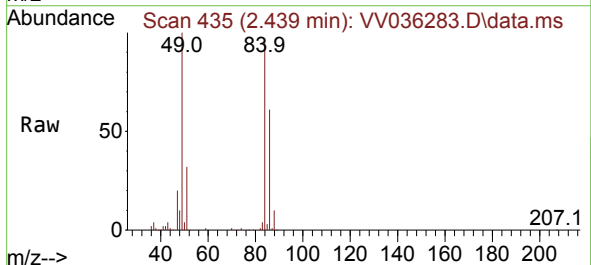
Instrument :
MSVOA_V
ClientSampleId :

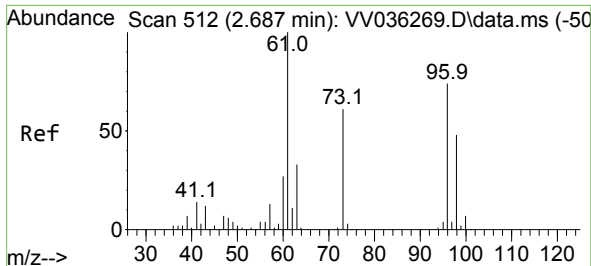
Tgt Ion: 43 Resp: 73077
Ion Ratio Lower Upper
43 100
74 30.5 21.4 32.2



#16
Methylene chloride
Concen: 20.020 ug/L
RT: 2.439 min Scan# 435
Delta R.T. -0.000 min
Lab File: VV036283.D
Acq: 25 Jun 2024 20:14

Tgt Ion: 84 Resp: 187470
Ion Ratio Lower Upper
84 100
86 63.6 44.6 82.8
49 103.6 81.1 150.5





#17

trans-1,2-Dichloroethene

Concen: 21.682 ug/L

RT: 2.686 min Scan# 512

Delta R.T. -0.000 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

Instrument :

MSVOA_V

ClientSampleId :

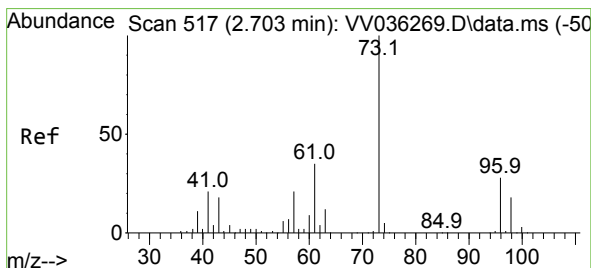
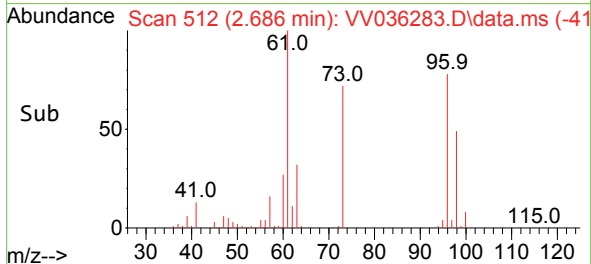
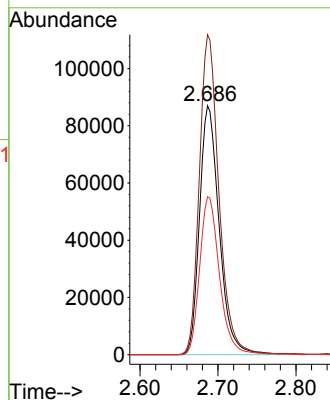
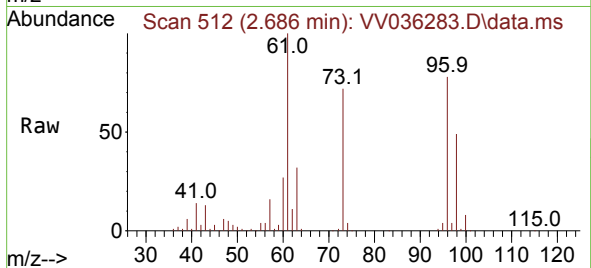
Tgt Ion: 96 Resp: 152628

Ion Ratio Lower Upper

96 100

61 128.5 99.4 184.6

98 63.5 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 25.763 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

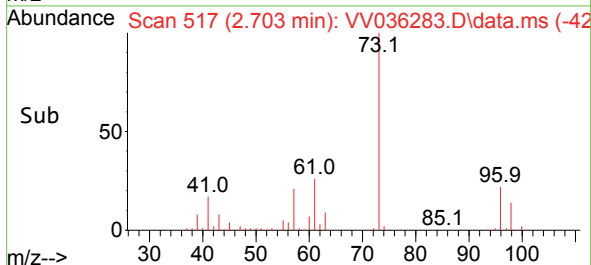
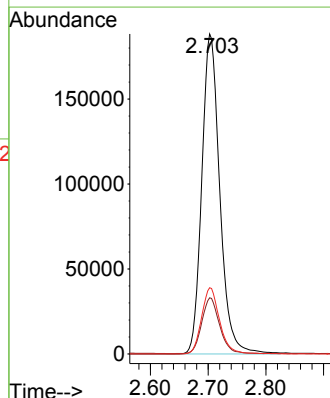
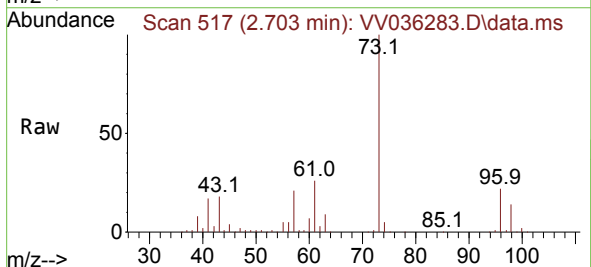
Tgt Ion: 73 Resp: 407137

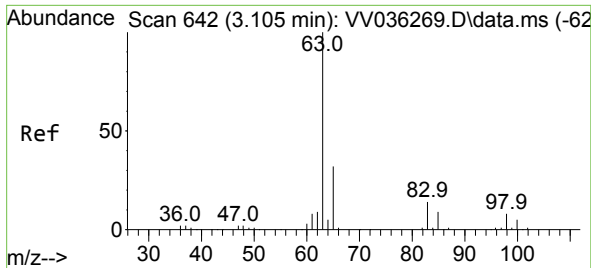
Ion Ratio Lower Upper

73 100

43 17.1 14.3 21.5

57 20.7 17.8 26.6





#19

1,1-Dichloroethane

Concen: 20.467 ug/L

RT: 3.108 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

Instrument :

MSVOA_V

ClientSampleId :

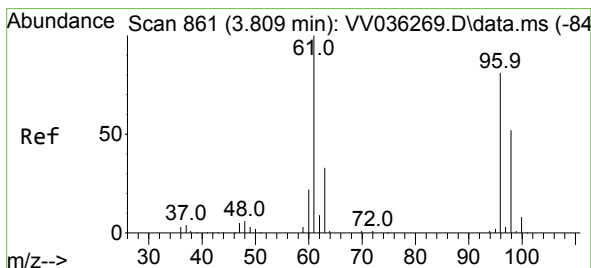
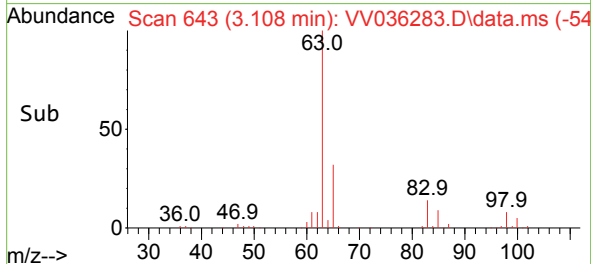
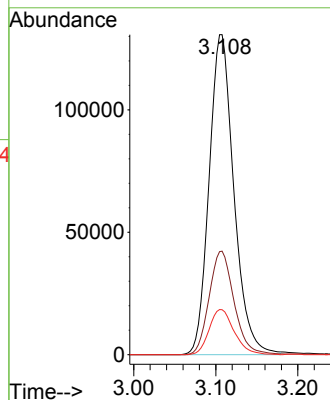
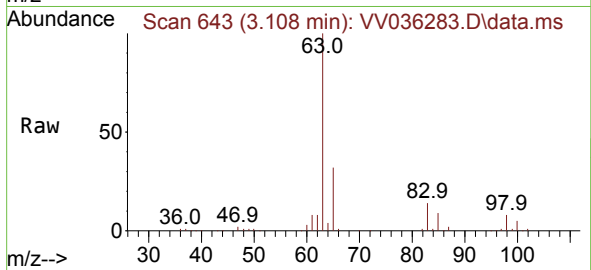
Tgt Ion: 63 Resp: 274382

Ion Ratio Lower Upper

63 100

65 32.3 22.4 41.6

83 14.0 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 23.521 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.003 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

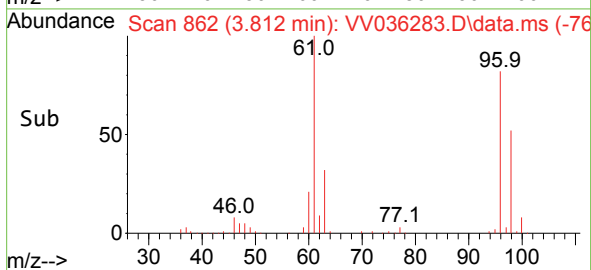
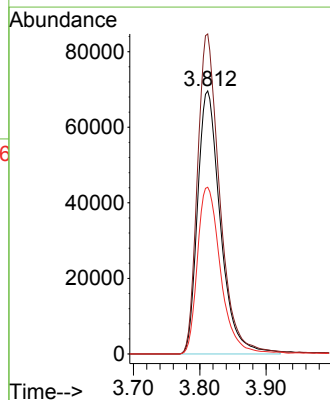
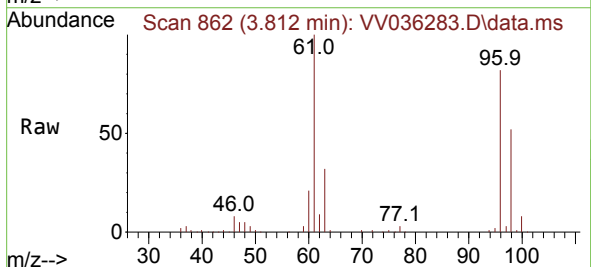
Tgt Ion: 96 Resp: 166373

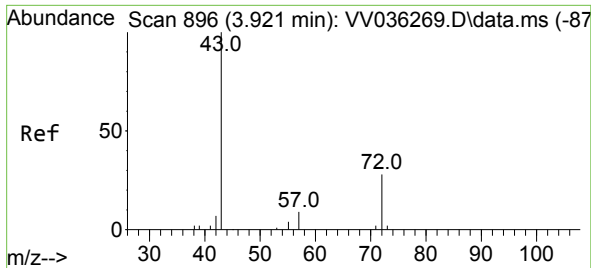
Ion Ratio Lower Upper

96 100

61 121.6 87.9 163.3

98 63.4 44.4 82.5

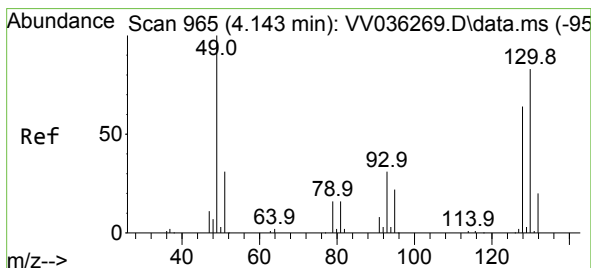
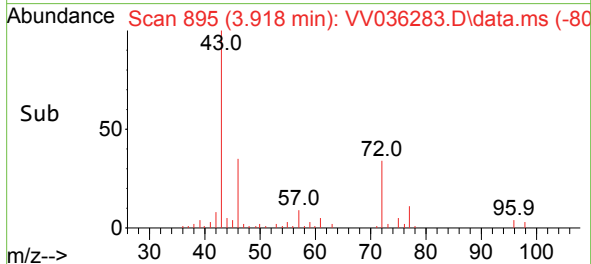
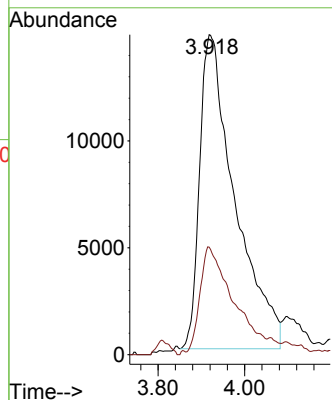
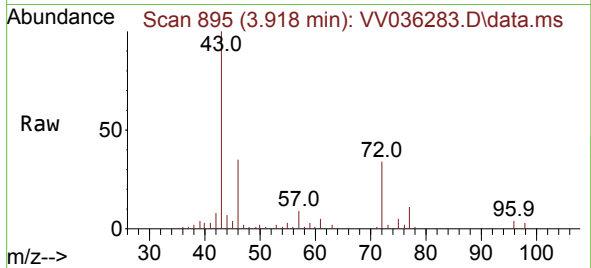




#22
2-Butanone
Concen: 35.957 ug/L
RT: 3.918 min Scan# 895
Delta R.T. -0.003 min
Lab File: VV036283.D
Acq: 25 Jun 2024 20:14

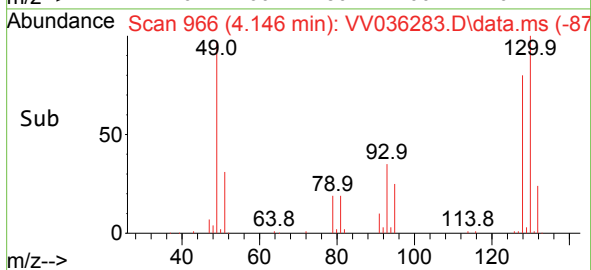
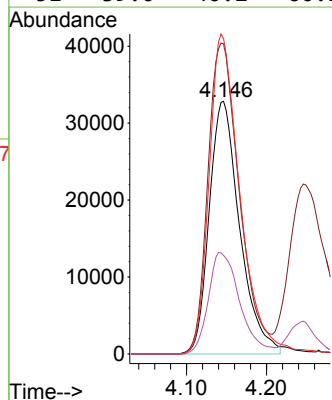
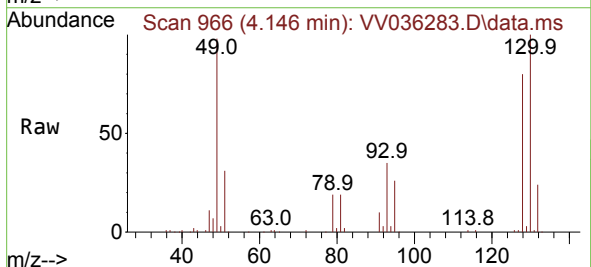
Instrument :
MSVOA_V
ClientSampleId :

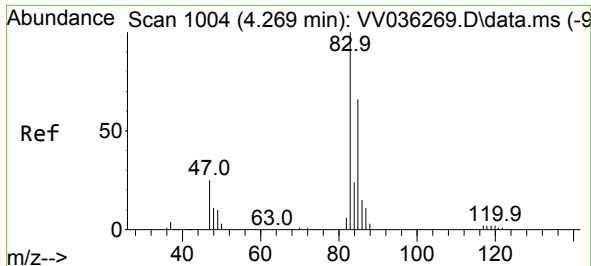
Tgt Ion: 43 Resp: 82962
Ion Ratio Lower Upper
43 100
72 30.9 8.2 24.4#



#23
Bromochloromethane
Concen: 24.486 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.003 min
Lab File: VV036283.D
Acq: 25 Jun 2024 20:14

Tgt Ion:128 Resp: 86878
Ion Ratio Lower Upper
128 100
49 122.8 110.2 204.6
130 124.8 90.2 167.4
51 39.0 40.2 60.2#

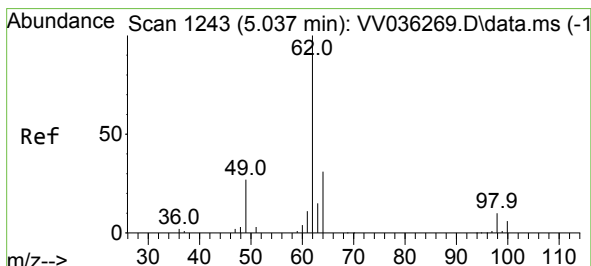
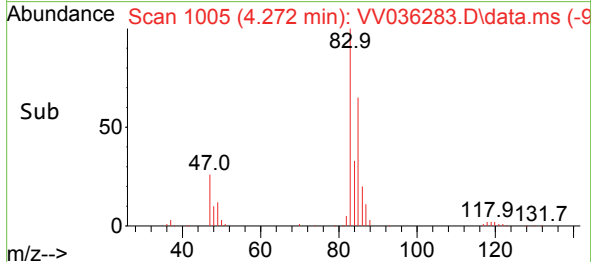
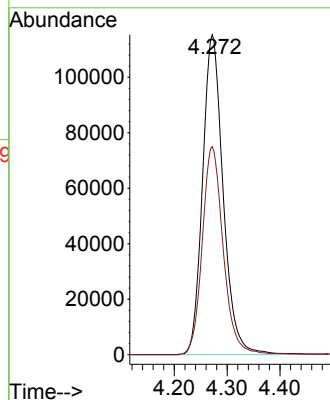
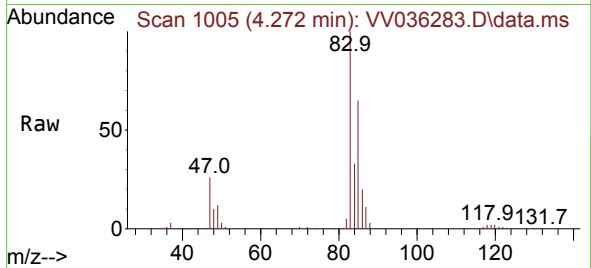




#25
Chloroform
Concen: 22.599 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.003 min
Lab File: VV036283.D
Acq: 25 Jun 2024 20:14

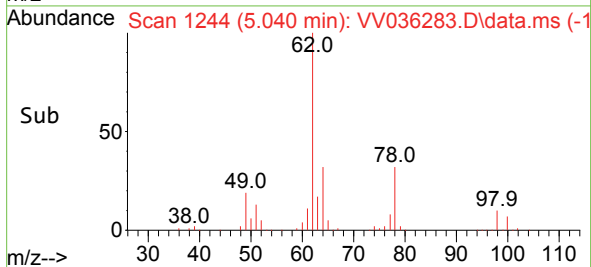
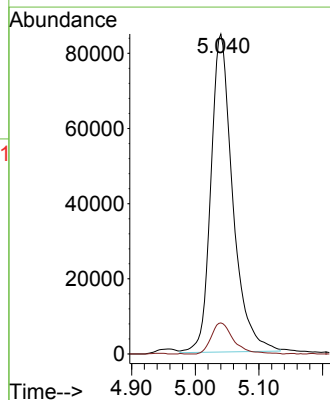
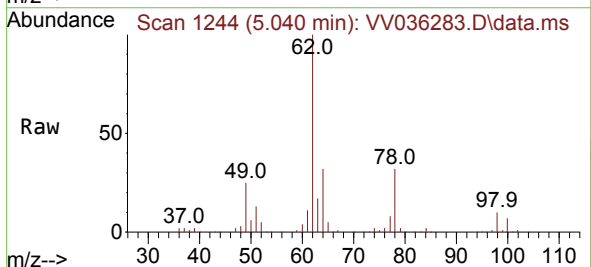
Instrument :
MSVOA_V
ClientSampleId :

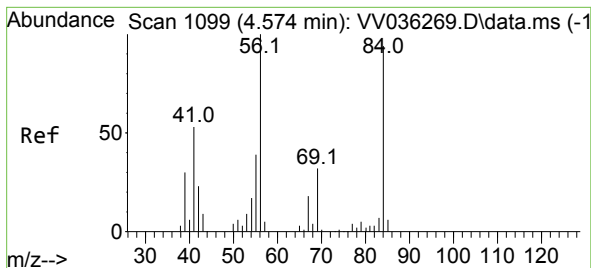
Tgt Ion: 83 Resp: 311646
Ion Ratio Lower Upper
83 100
85 65.1 45.2 84.0



#27
1,2-Dichloroethane
Concen: 23.523 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.003 min
Lab File: VV036283.D
Acq: 25 Jun 2024 20:14

Tgt Ion: 62 Resp: 202519
Ion Ratio Lower Upper
62 100
98 9.7 7.8 11.6





#29

Cyclohexane

Concen: 18.473 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.003 min

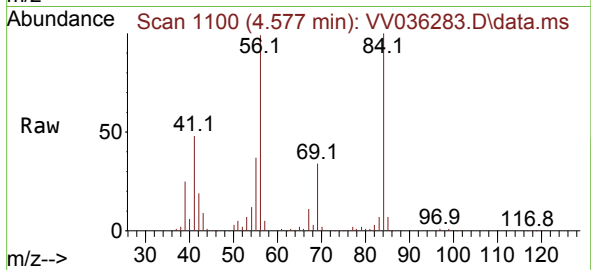
Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

Instrument :

MSVOA_V

ClientSampleId :



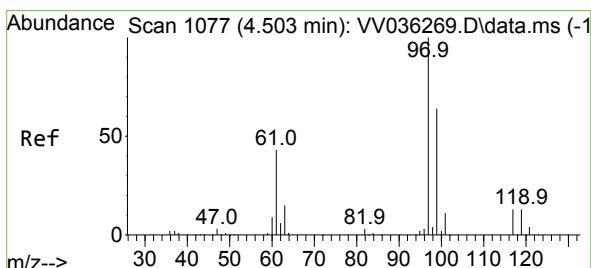
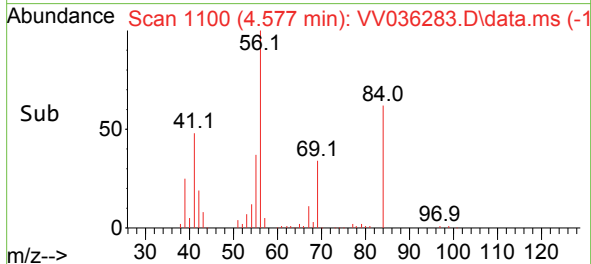
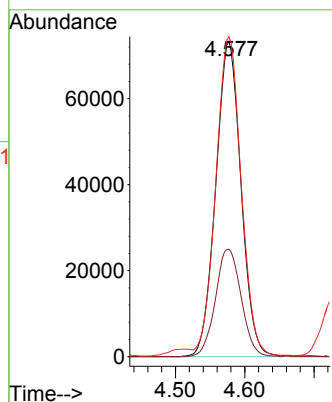
Tgt Ion: 56 Resp: 185297

Ion Ratio Lower Upper

56 100

69 34.8 25.2 37.8

84 101.1 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 22.070 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

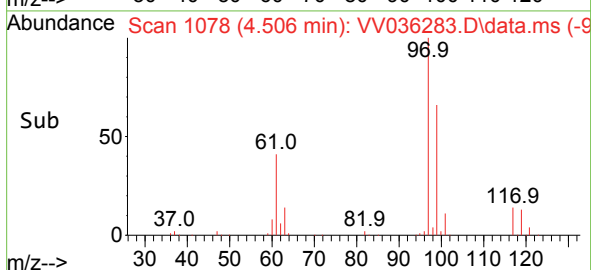
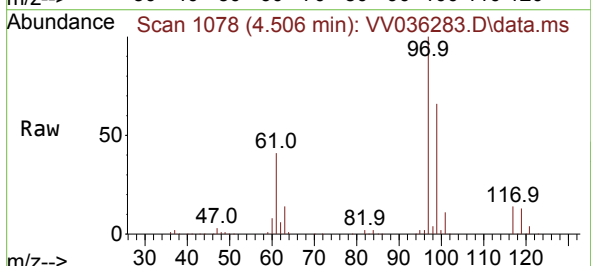
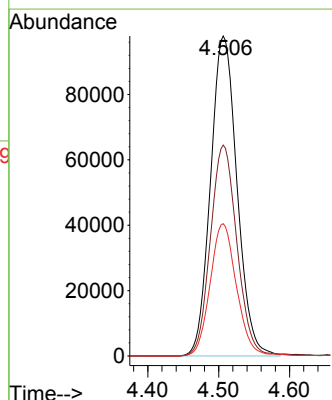
Tgt Ion: 97 Resp: 254188

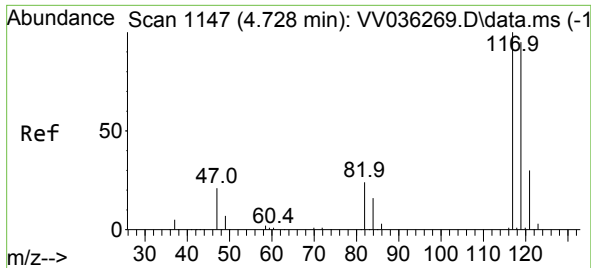
Ion Ratio Lower Upper

97 100

99 66.0 50.9 76.3

61 40.9 35.0 52.6

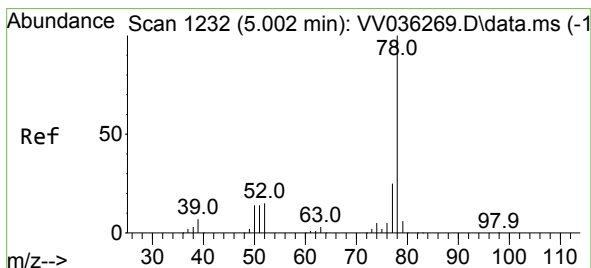
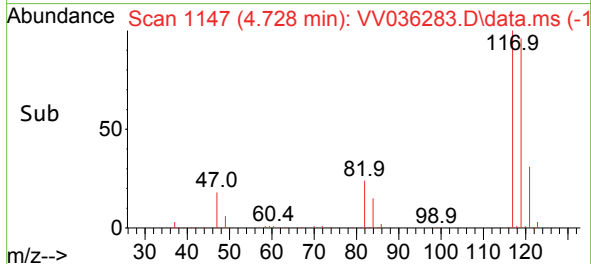
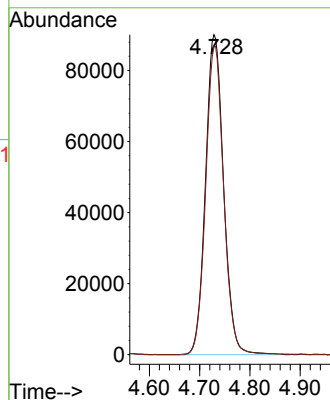
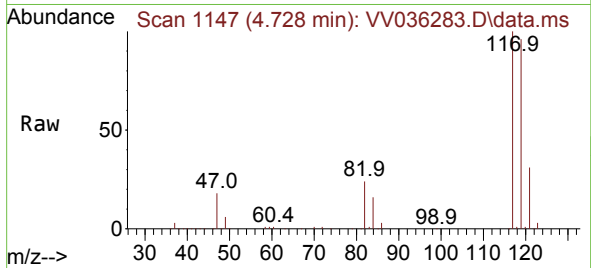




#31
Carbon tetrachloride
Concen: 22.311 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. -0.000 min
Lab File: VV036283.D
Acq: 25 Jun 2024 20:14

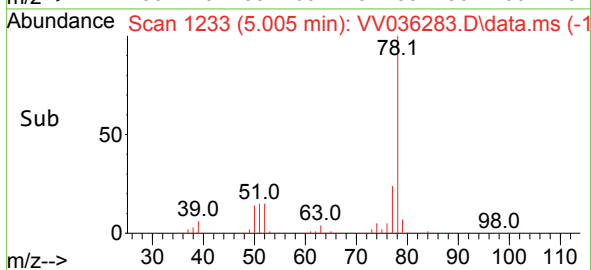
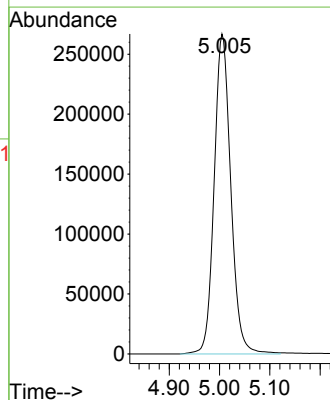
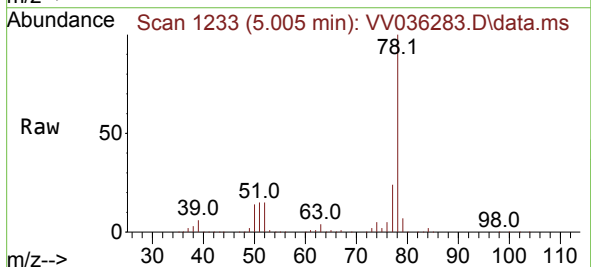
Instrument :
MSVOA_V
ClientSampleId :

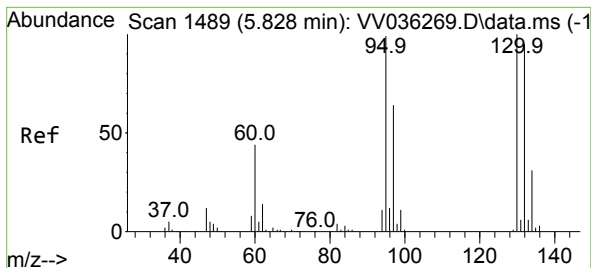
Tgt Ion:117 Resp: 225438
Ion Ratio Lower Upper
117 100
119 95.5 76.8 115.2



#33
Benzene
Concen: 22.248 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.003 min
Lab File: VV036283.D
Acq: 25 Jun 2024 20:14

Tgt Ion: 78 Resp: 613021





#34

Trichloroethene

Concen: 23.567 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. -0.000 min

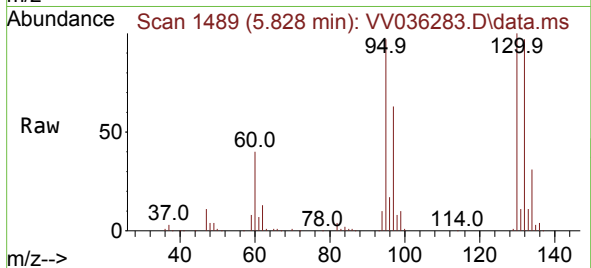
Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 199019

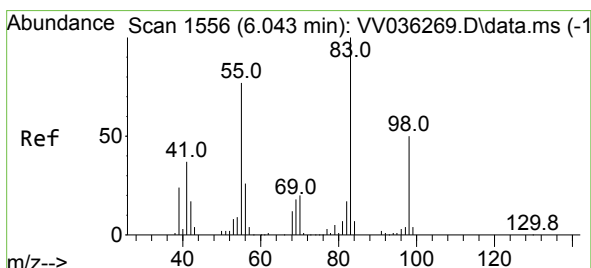
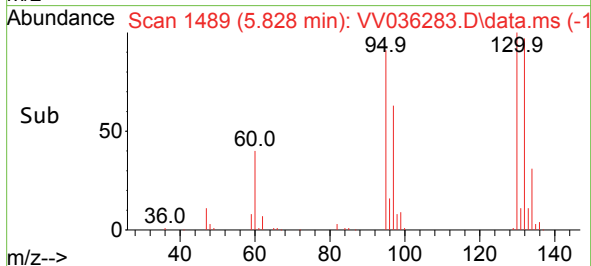
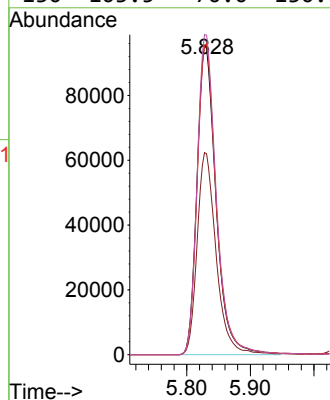
Ion Ratio Lower Upper

95 100

97 65.4 44.8 83.2

132 99.9 66.8 124.2

130 103.5 70.0 130.0



#35

Methylcyclohexane

Concen: 19.769 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

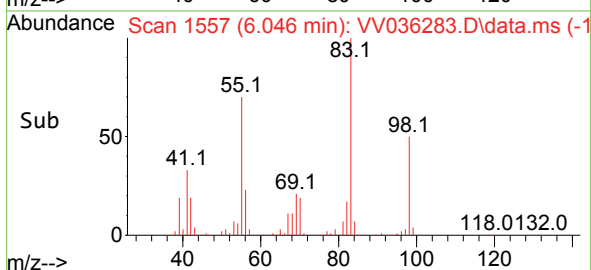
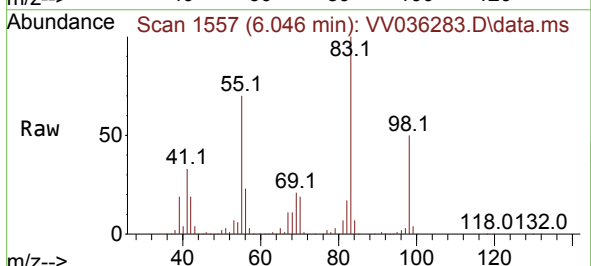
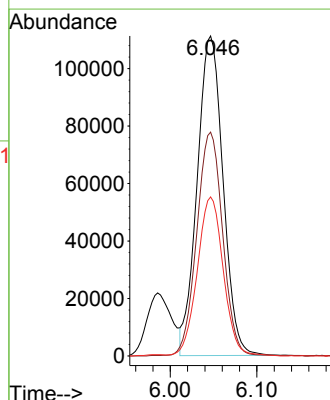
Tgt Ion: 83 Resp: 230866

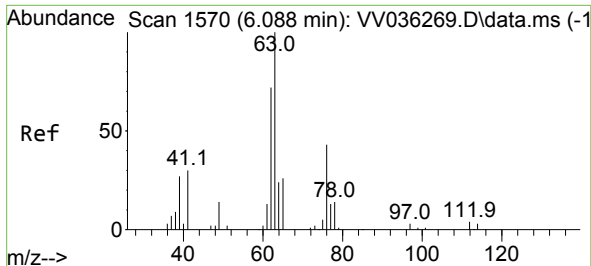
Ion Ratio Lower Upper

83 100

55 70.3 60.7 91.1

98 50.0 38.7 58.1

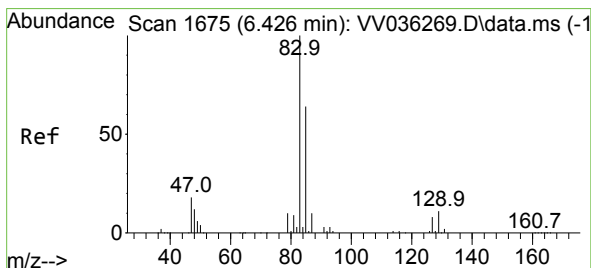
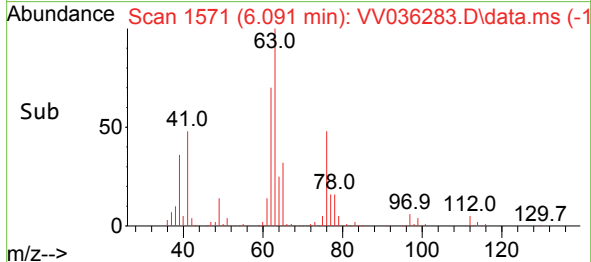
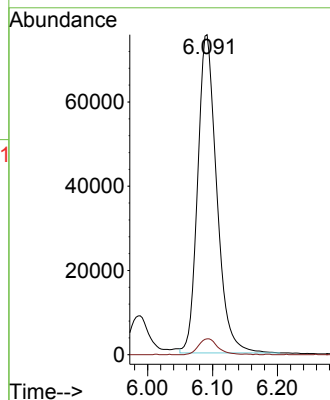
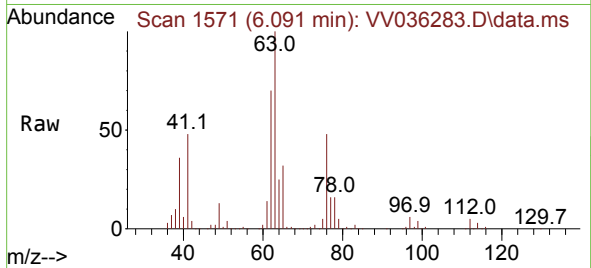




#37
1,2-Dichloropropane
Concen: 21.344 ug/L
RT: 6.091 min Scan# 1570
Delta R.T. 0.003 min
Lab File: VV036283.D
Acq: 25 Jun 2024 20:14

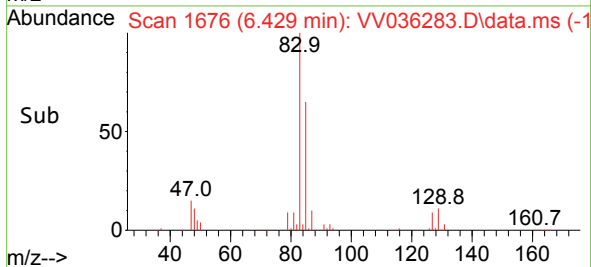
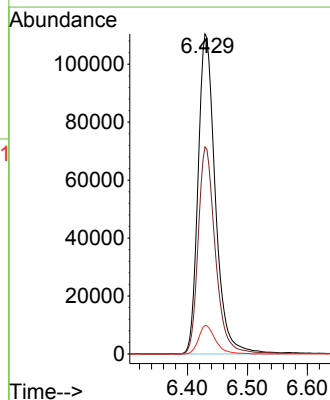
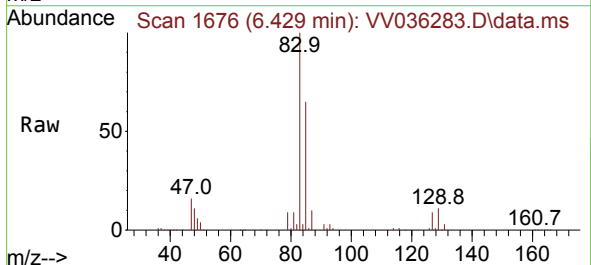
Instrument :
MSVOA_V
ClientSampleId :

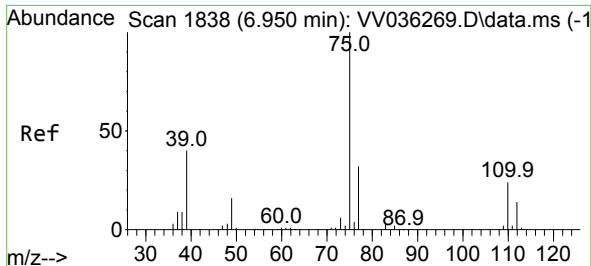
Tgt Ion: 63 Resp: 154427
Ion Ratio Lower Upper
63 100
112 5.1 3.5 5.3



#38
Bromodichloromethane
Concen: 23.160 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV036283.D
Acq: 25 Jun 2024 20:14

Tgt Ion: 83 Resp: 221786
Ion Ratio Lower Upper
83 100
85 64.7 45.3 84.1
127 8.9 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 21.998 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

Instrument :

MSVOA_V

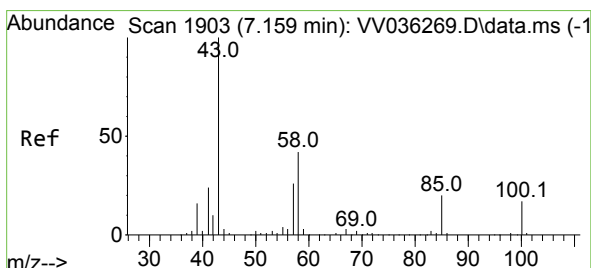
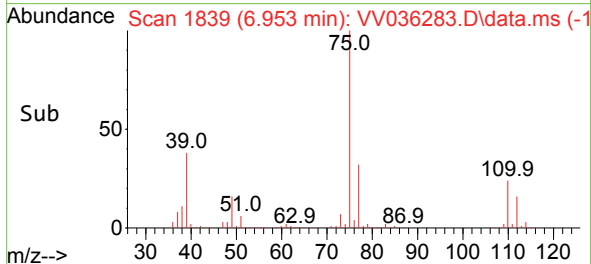
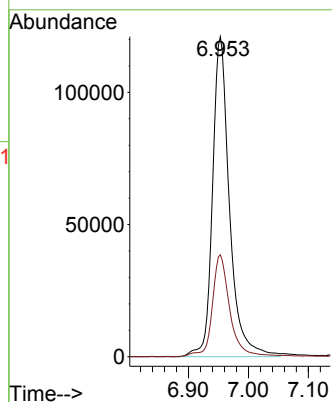
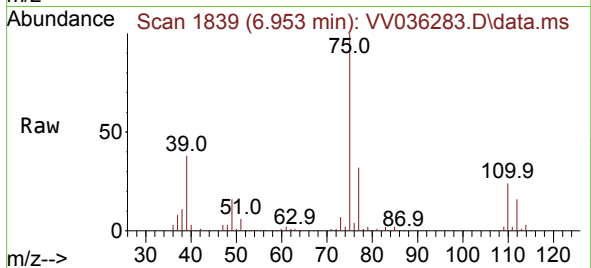
ClientSampleId :

Tgt Ion: 75 Resp: 238047

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 50.142 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

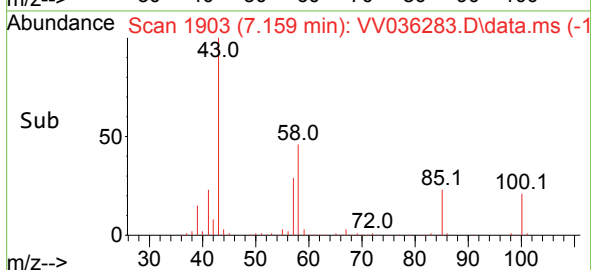
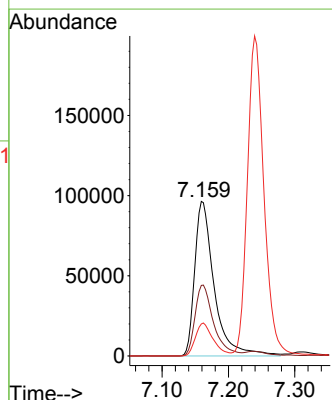
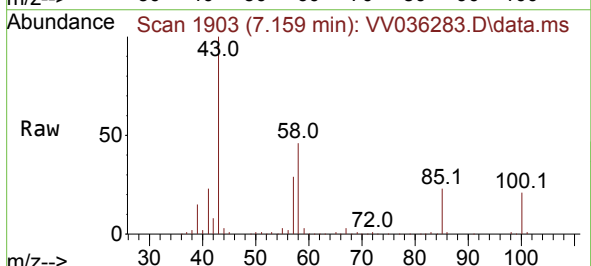
Tgt Ion: 43 Resp: 197103

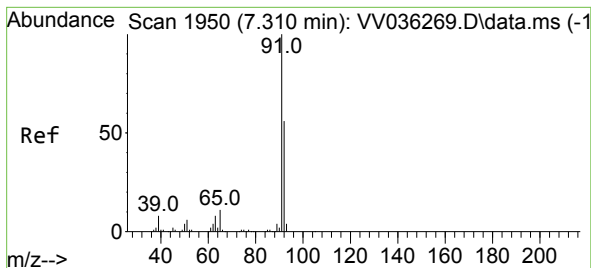
Ion Ratio Lower Upper

43 100

58 43.6 32.5 48.7

100 19.5 12.5 18.7





#42

Toluene

Concen: 23.715 ug/L

RT: 7.313 min Scan# 1950

Delta R.T. 0.003 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

Instrument :

MSVOA_V

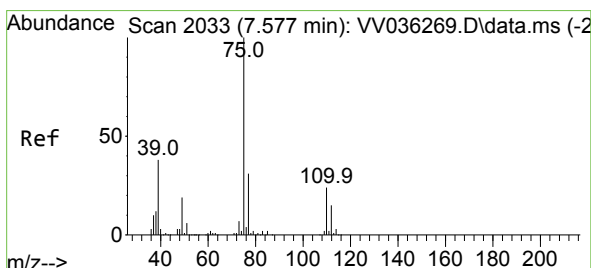
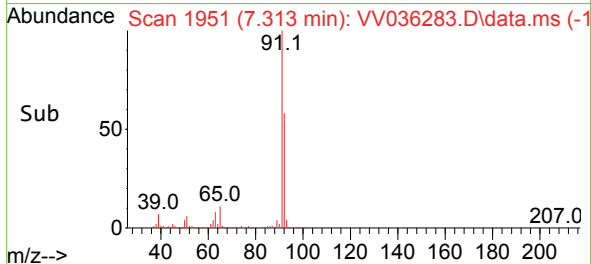
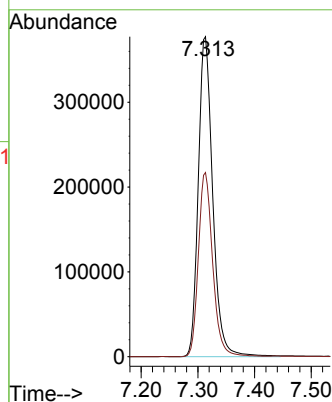
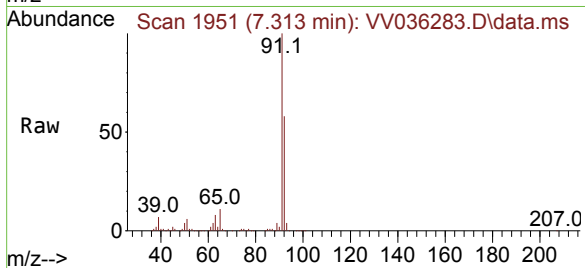
ClientSampleId :

Tgt Ion: 91 Resp: 667703

Ion Ratio Lower Upper

91 100

92 57.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 23.405 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV036283.D

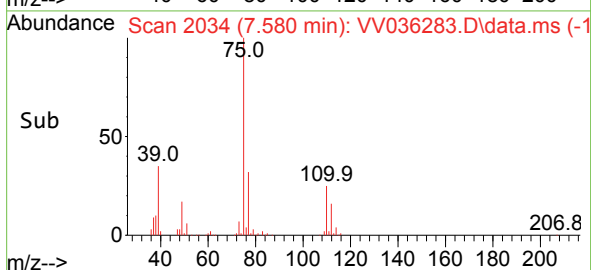
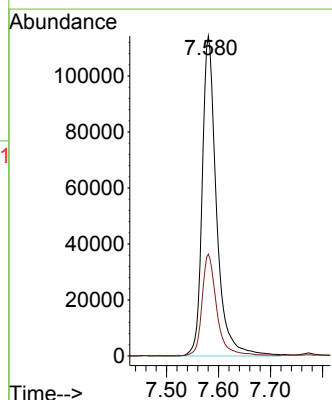
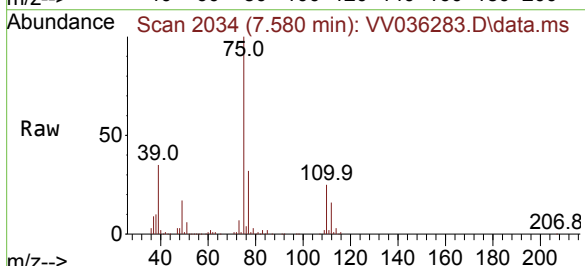
Acq: 25 Jun 2024 20:14

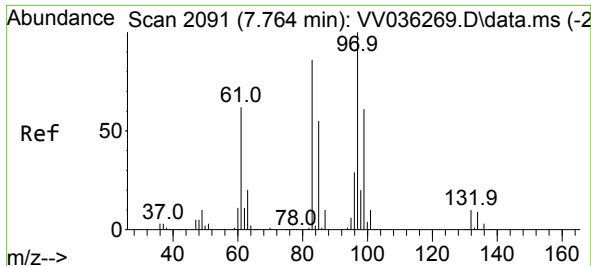
Tgt Ion: 75 Resp: 218764

Ion Ratio Lower Upper

75 100

77 31.9 23.1 42.9

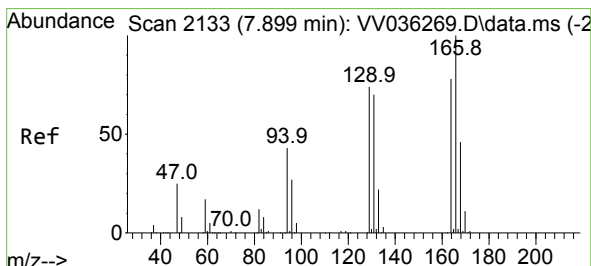
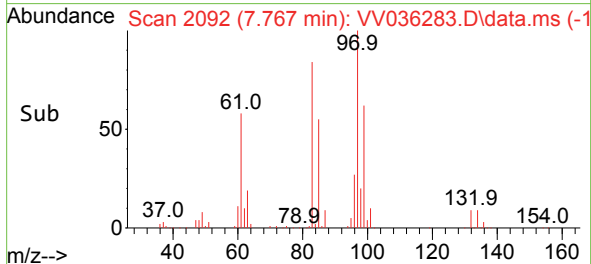
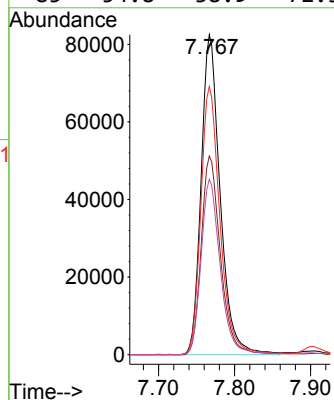
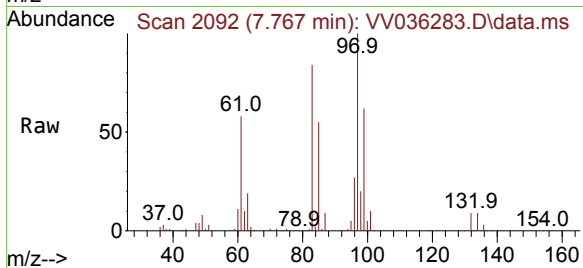




#45
1,1,2-Trichloroethane
Concen: 24.013 ug/L
RT: 7.767 min Scan# 2091
Delta R.T. 0.003 min
Lab File: VV036283.D
Acq: 25 Jun 2024 20:14

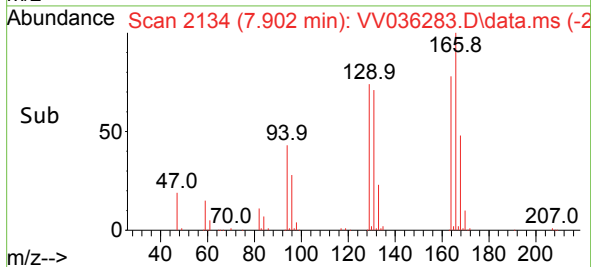
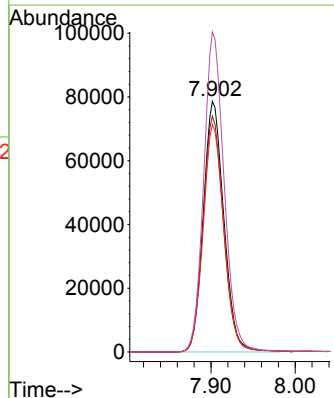
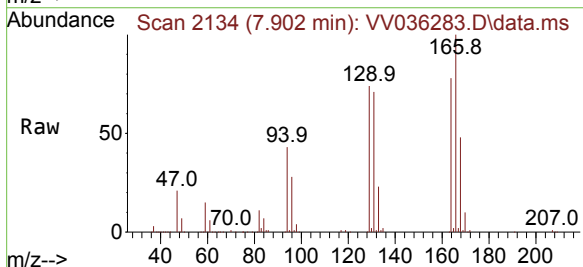
Instrument :
MSVOA_V
ClientSampleId :

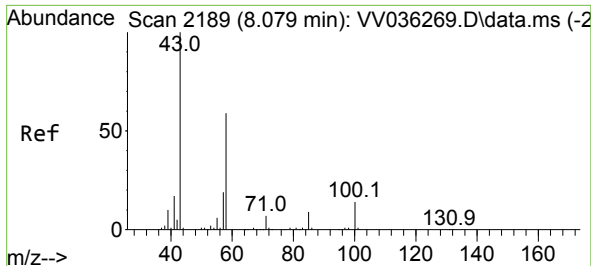
Tgt Ion:	97	Resp:	143753
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.3	80.5
83	83.8	60.1	111.7
85	54.8	38.9	72.3



#46
Tetrachloroethene
Concen: 21.662 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.003 min
Lab File: VV036283.D
Acq: 25 Jun 2024 20:14

Tgt Ion:	164	Resp:	133793
Ion	Ratio	Lower	Upper
164	100		
129	94.1	64.6	120.0
131	90.7	63.2	117.4
166	127.7	89.5	166.3

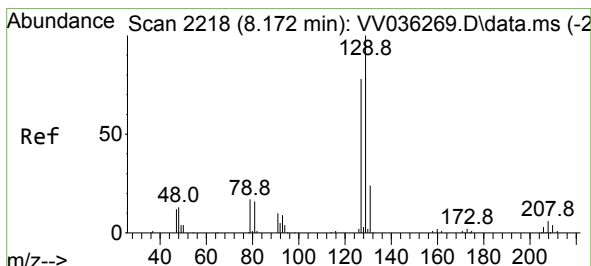
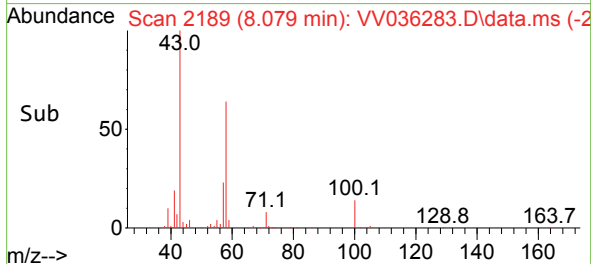
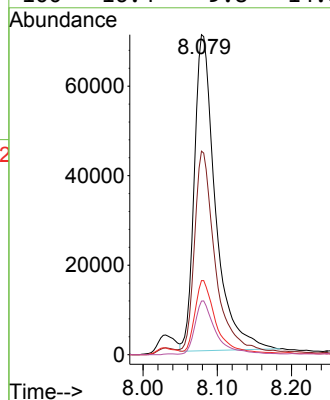
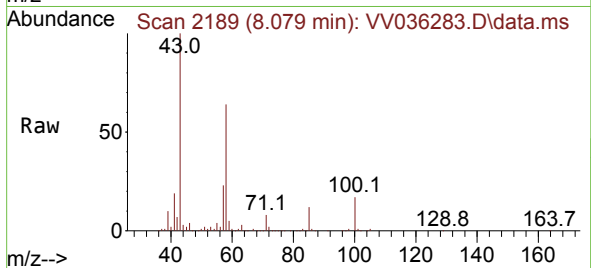




#48
2-Hexanone
Concen: 45.614 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV036283.D
Acq: 25 Jun 2024 20:14

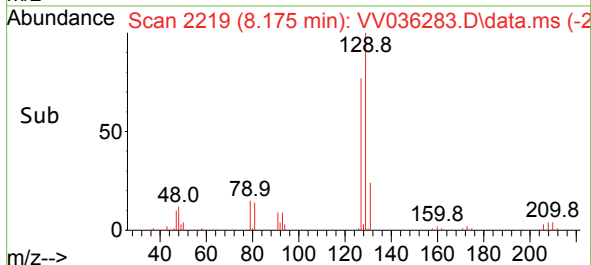
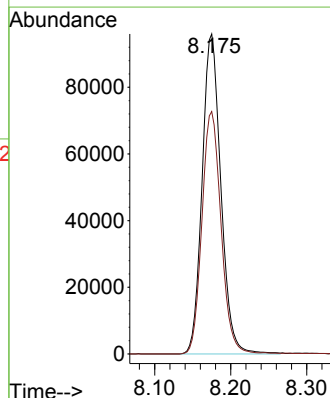
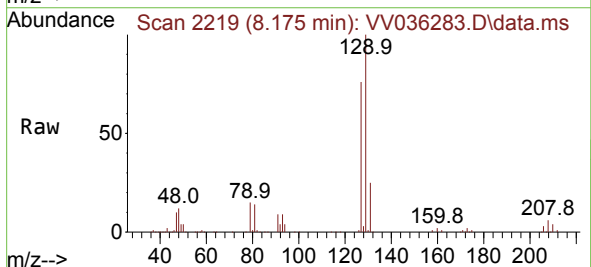
Instrument :
MSVOA_V
ClientSampleId :

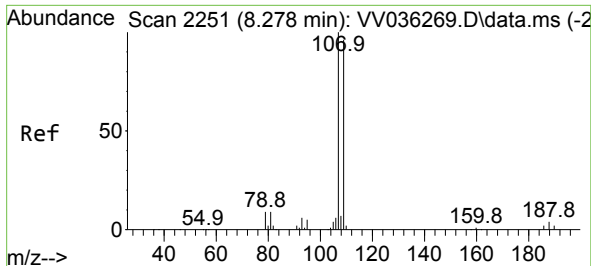
Tgt Ion: 43 Resp: 140177
Ion Ratio Lower Upper
43 100
58 59.7 45.4 68.0
57 23.7 15.8 23.8
100 16.4 9.8 14.8#



#49
Dibromochloromethane
Concen: 25.086 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.003 min
Lab File: VV036283.D
Acq: 25 Jun 2024 20:14

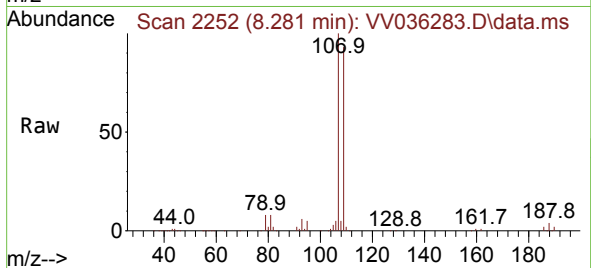
Tgt Ion: 129 Resp: 164359
Ion Ratio Lower Upper
129 100
127 75.7 53.9 100.1



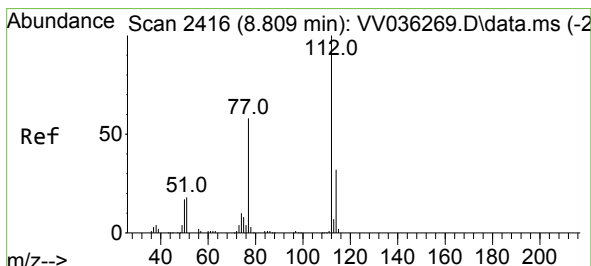
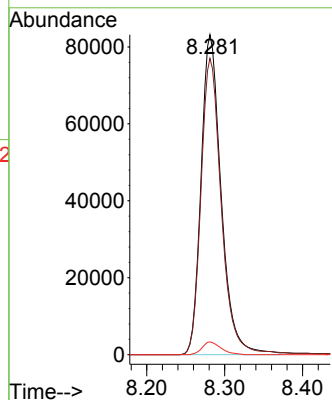
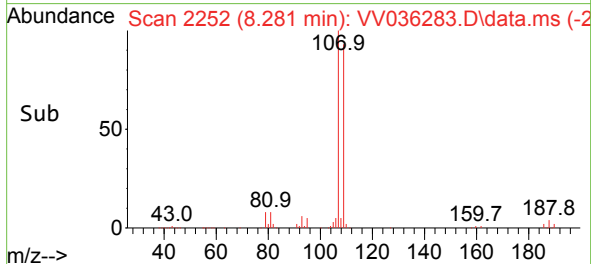


#50
 1,2-Dibromoethane
 Concen: 25.969 ug/L
 RT: 8.281 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV036283.D
 Acq: 25 Jun 2024 20:14

Instrument :
 MSVOA_V
 ClientSampleId :

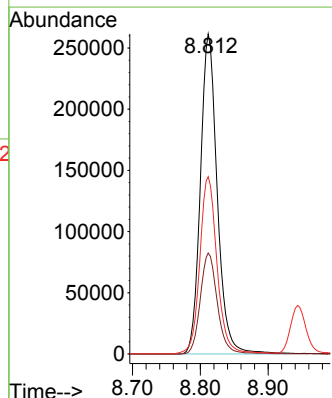
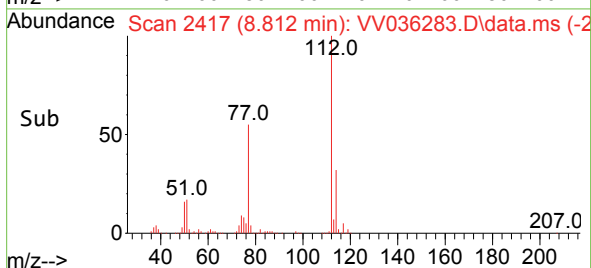
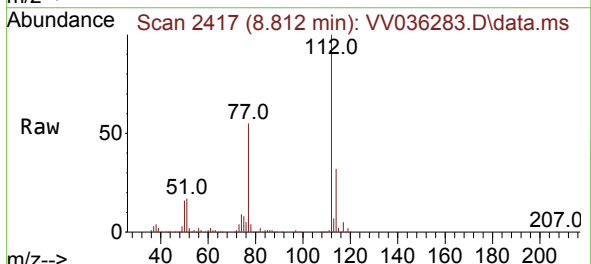


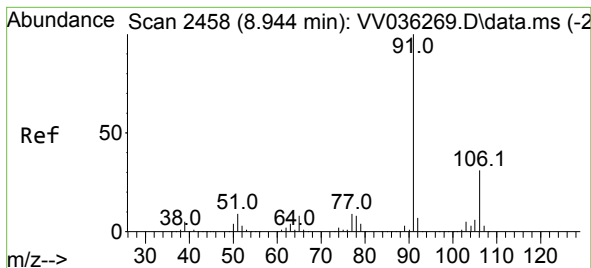
Tgt Ion:107 Resp: 149170
 Ion Ratio Lower Upper
 107 100
 109 92.6 66.1 122.7
 188 4.0 3.0 4.6



#51
 Chlorobenzene
 Concen: 23.497 ug/L
 RT: 8.812 min Scan# 2417
 Delta R.T. 0.003 min
 Lab File: VV036283.D
 Acq: 25 Jun 2024 20:14

Tgt Ion:112 Resp: 450757
 Ion Ratio Lower Upper
 112 100
 114 31.5 22.3 41.5
 77 55.4 47.3 70.9





#52

Ethylbenzene

Concen: 23.203 ug/L

RT: 8.943 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

Instrument :

MSVOA_V

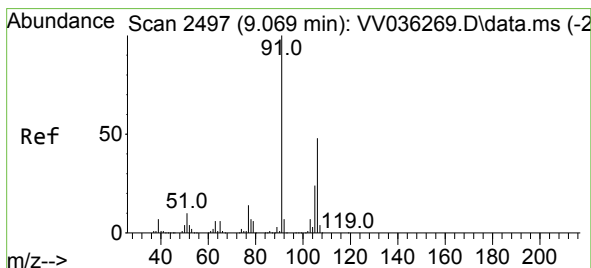
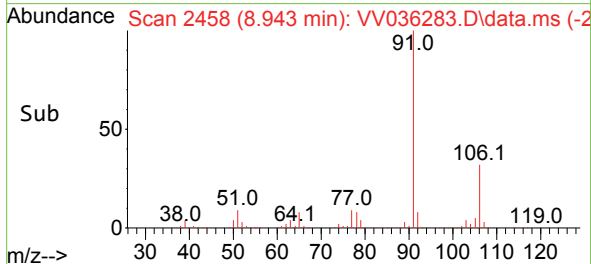
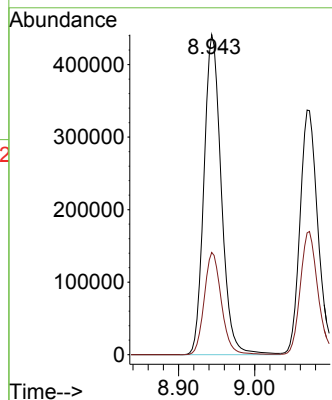
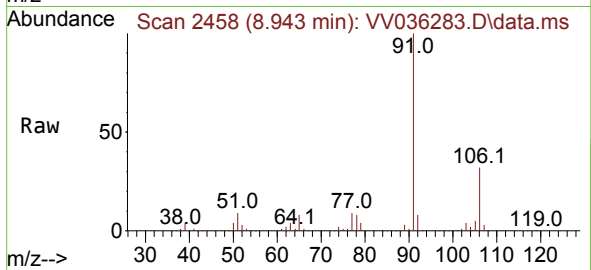
ClientSampleId :

Tgt Ion: 91 Resp: 698946

Ion Ratio Lower Upper

91 100

106 32.0 21.6 40.0



#53

m,p-Xylene

Concen: 24.272 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV036283.D

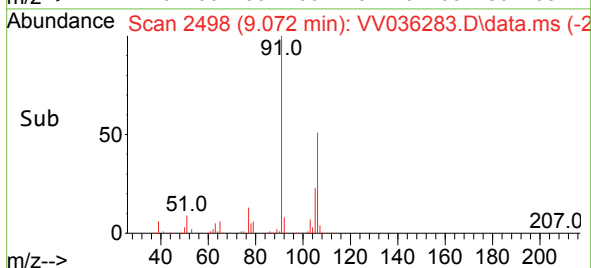
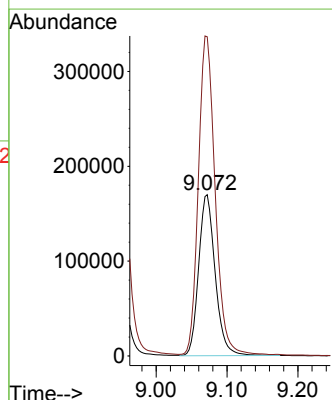
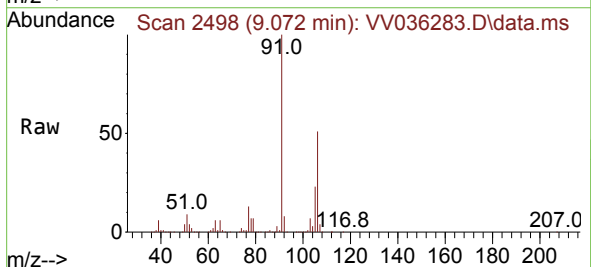
Acq: 25 Jun 2024 20:14

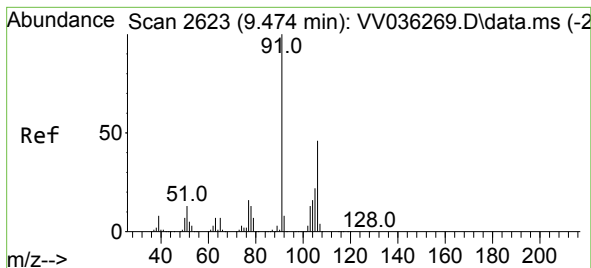
Tgt Ion:106 Resp: 274733

Ion Ratio Lower Upper

106 100

91 198.0 143.1 265.9





#54

o-Xylene

Concen: 24.603 ug/L

RT: 9.477 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

Instrument :

MSVOA_V

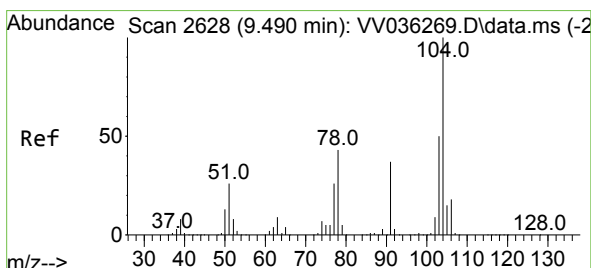
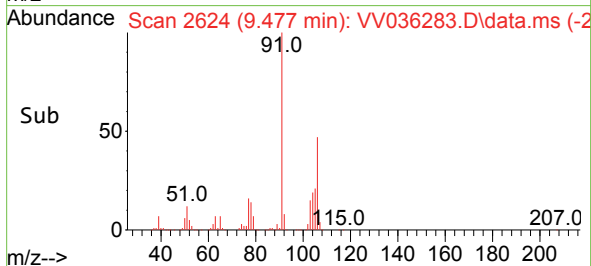
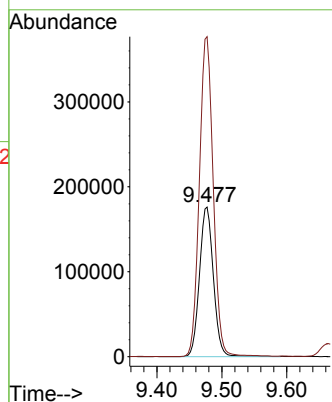
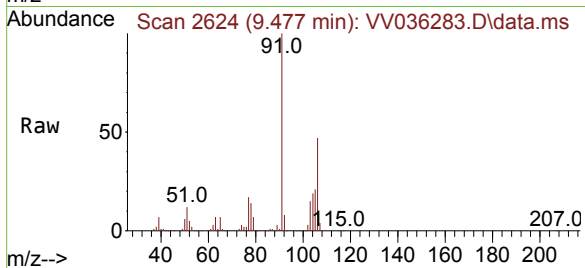
ClientSampleId :

Tgt Ion:106 Resp: 262616

Ion Ratio Lower Upper

106 100

91 213.9 154.5 286.9



#55

Styrene

Concen: 24.731 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.003 min

Lab File: VV036283.D

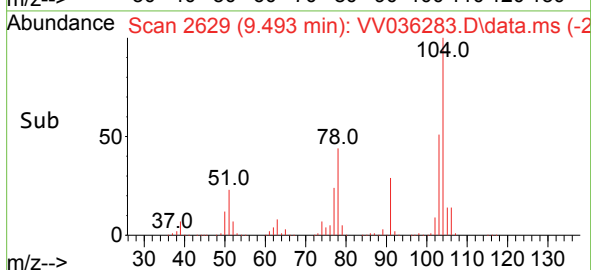
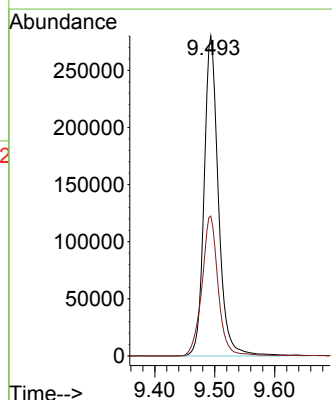
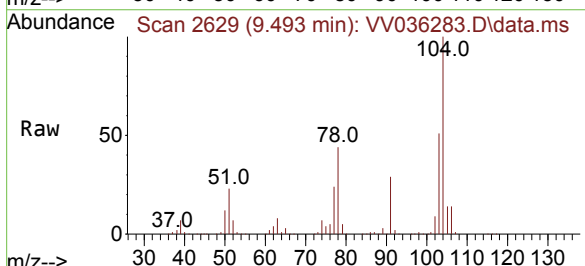
Acq: 25 Jun 2024 20:14

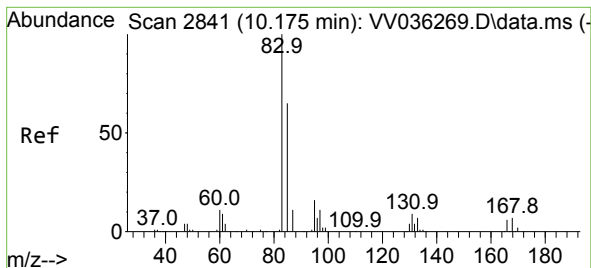
Tgt Ion:104 Resp: 465515

Ion Ratio Lower Upper

104 100

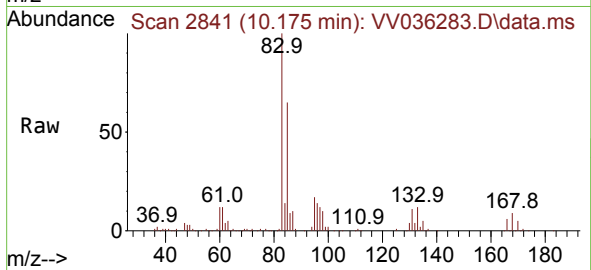
78 43.7 31.4 58.2



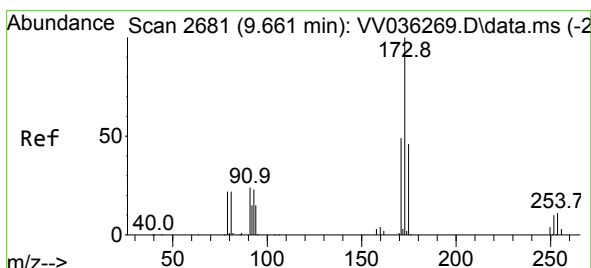
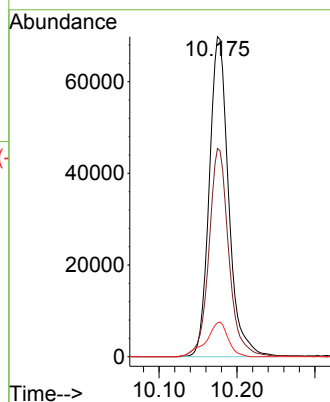
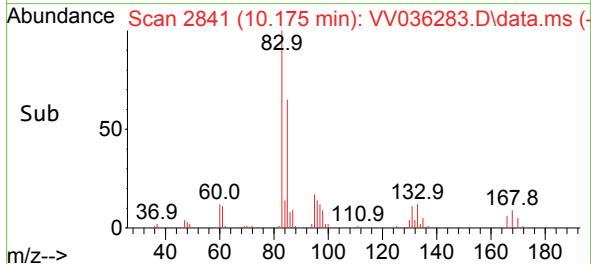


#57
1,1,2,2-Tetrachloroethane
Concen: 22.446 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. -0.000 min
Lab File: VV036283.D
Acq: 25 Jun 2024 20:14

Instrument :
MSVOA_V
ClientSampleId :

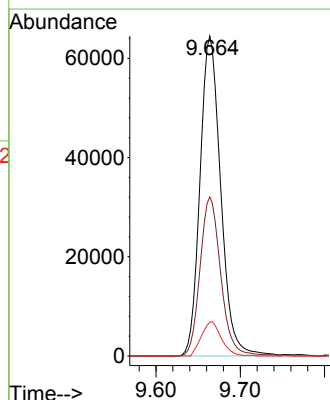
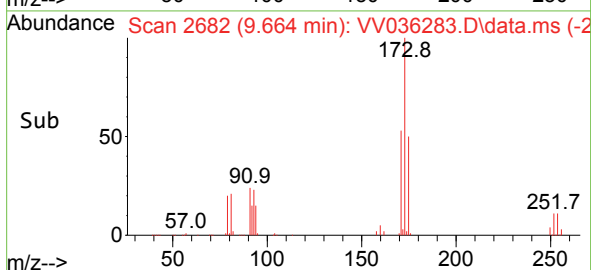
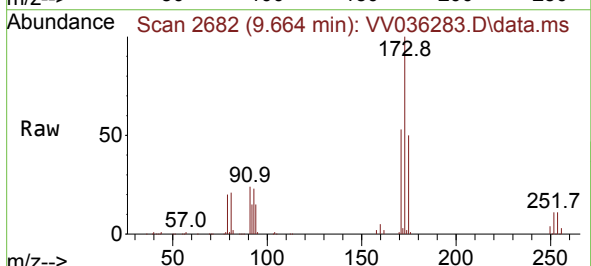


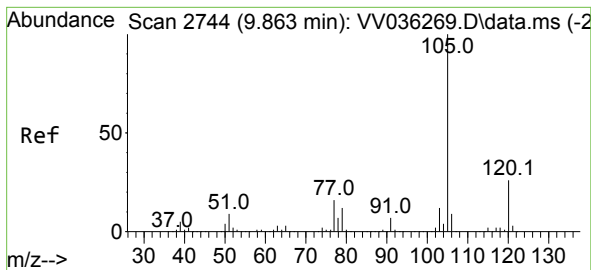
Tgt Ion: 83 Resp: 120318
Ion Ratio Lower Upper
83 100
85 65.1 45.1 83.7
131 10.6 7.6 11.4



#59
Bromoform
Concen: 25.741 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.003 min
Lab File: VV036283.D
Acq: 25 Jun 2024 20:14

Tgt Ion: 173 Resp: 110499
Ion Ratio Lower Upper
173 100
175 49.4 39.0 58.6
254 10.3 8.6 13.0





#60

Isopropylbenzene

Concen: 23.554 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

Instrument :

MSVOA_V

ClientSampleId :

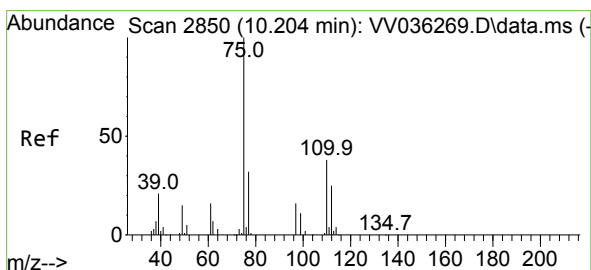
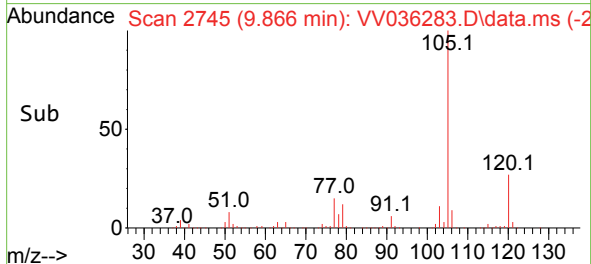
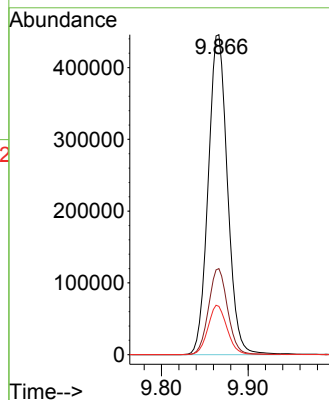
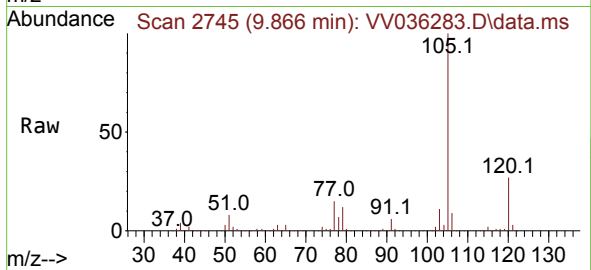
Tgt Ion:105 Resp: 687852

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.6

77 15.3 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 25.536 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.003 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

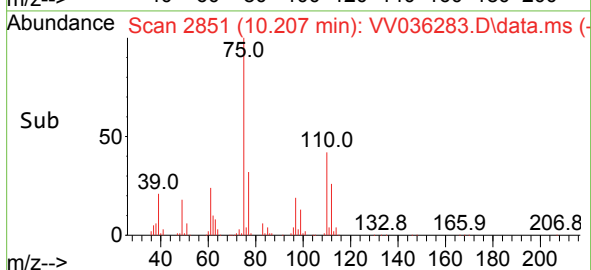
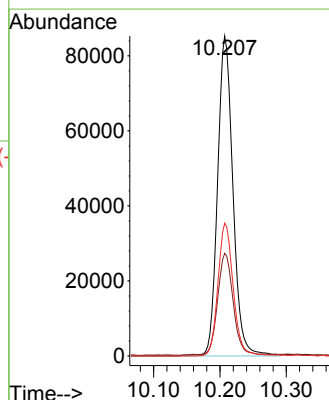
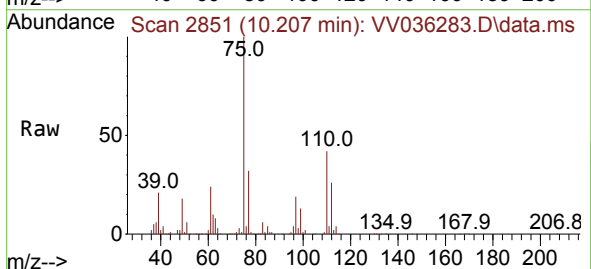
Tgt Ion: 75 Resp: 137474

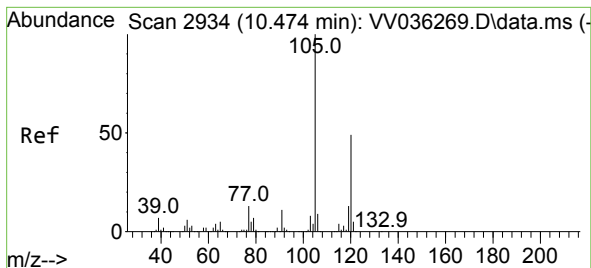
Ion Ratio Lower Upper

75 100

77 31.5 26.0 39.0

110 41.3 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 23.726 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

Instrument :

MSVOA_V

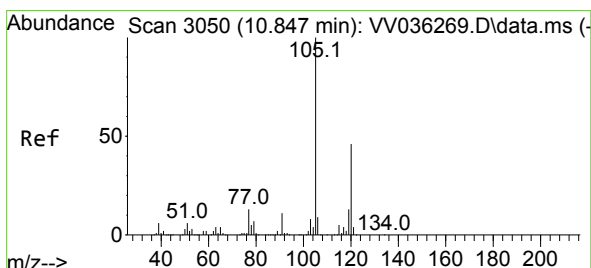
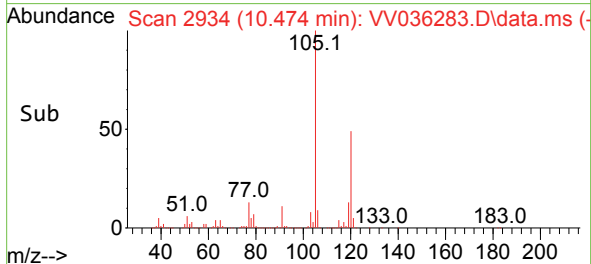
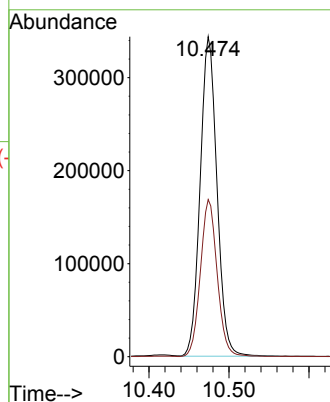
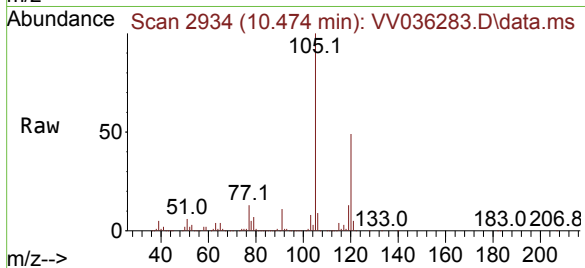
ClientSampleId :

Tgt Ion:105 Resp: 502425

Ion Ratio Lower Upper

105 100

120 48.9 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 24.696 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV036283.D

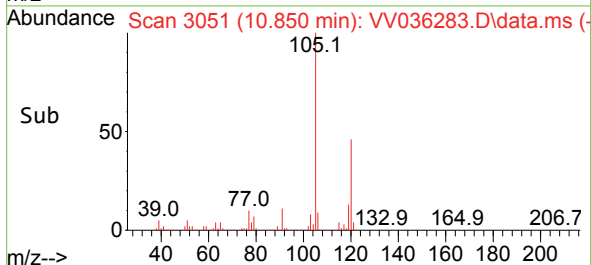
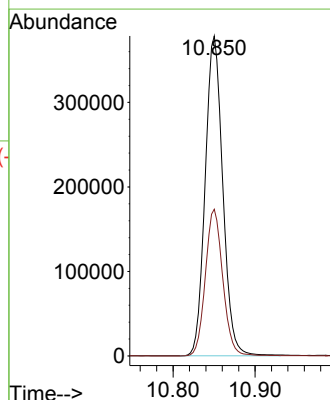
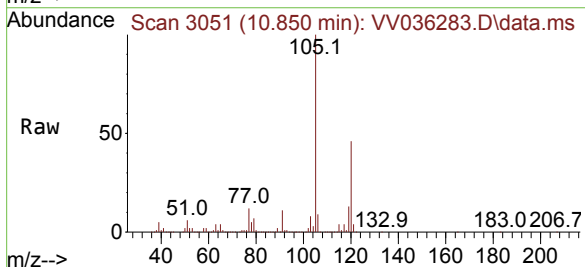
Acq: 25 Jun 2024 20:14

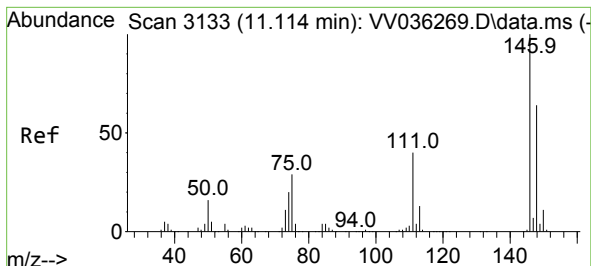
Tgt Ion:105 Resp: 563451

Ion Ratio Lower Upper

105 100

120 45.5 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 23.069 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

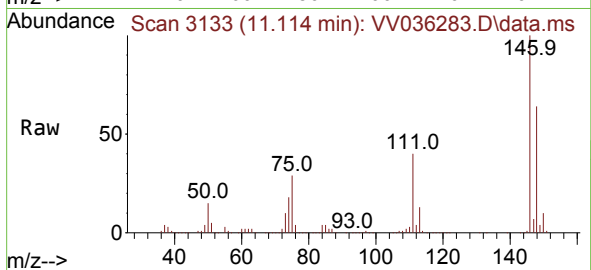
Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

Instrument :

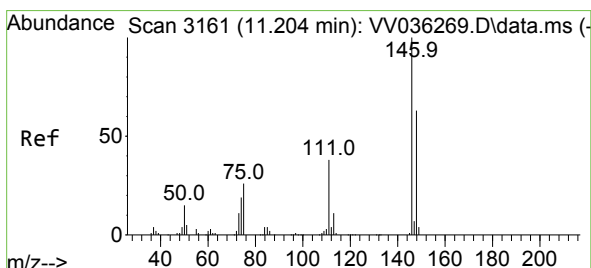
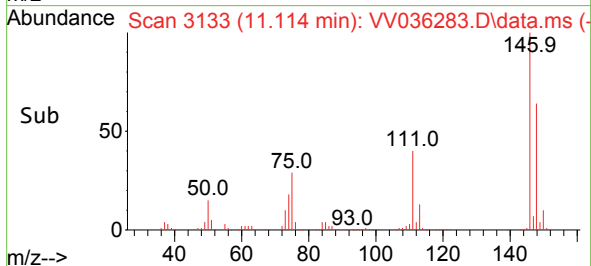
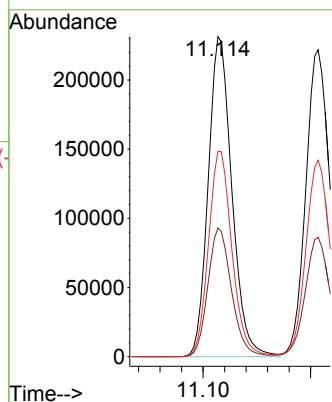
MSVOA_V

ClientSampleId :



Tgt Ion:146 Resp: 353788

Ion	Ratio	Lower	Upper
146	100		
111	40.3	28.1	52.1
148	64.2	44.7	83.1



#65

1,4-Dichlorobenzene

Concen: 22.526 ug/L

RT: 11.207 min Scan# 3162

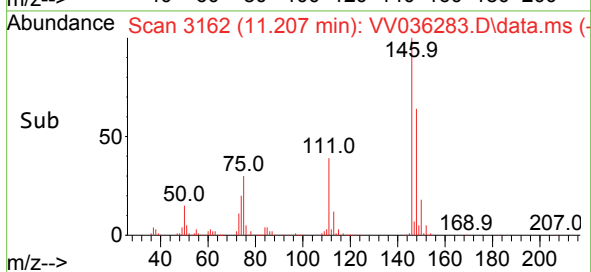
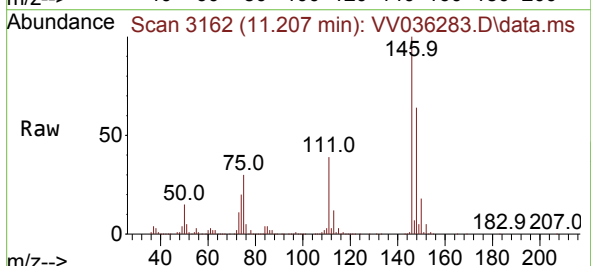
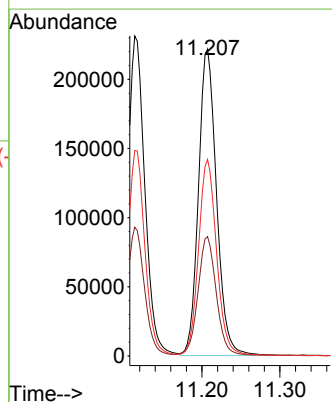
Delta R.T. 0.003 min

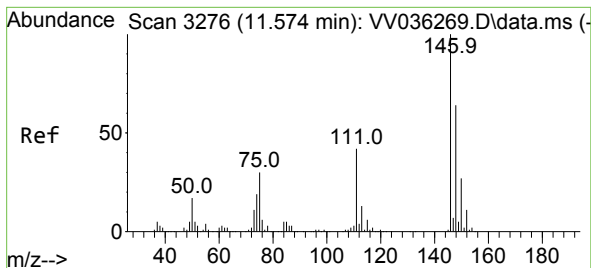
Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

Tgt Ion:146 Resp: 356575

Ion	Ratio	Lower	Upper
146	100		
111	38.9	26.9	50.1
148	64.1	44.5	82.7





#67

1,2-Dichlorobenzene

Concen: 23.731 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

Instrument :

MSVOA_V

ClientSampleId :

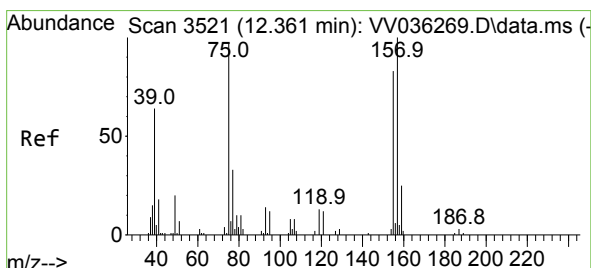
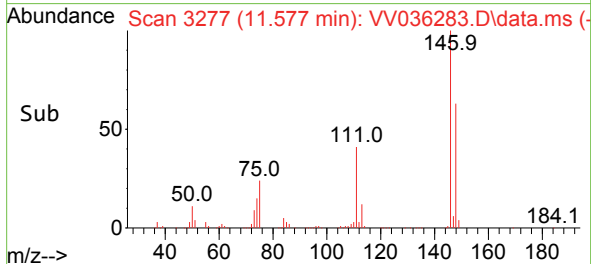
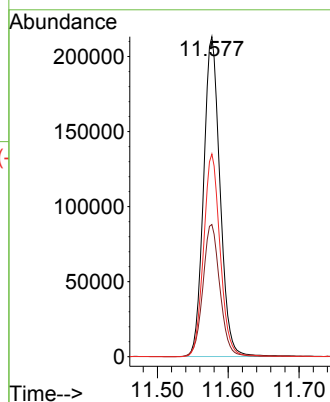
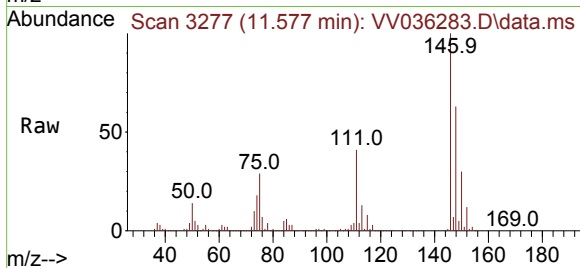
Tgt Ion:146 Resp: 342483

Ion Ratio Lower Upper

146 100

111 41.3 33.5 50.3

148 63.4 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 28.329 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.003 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

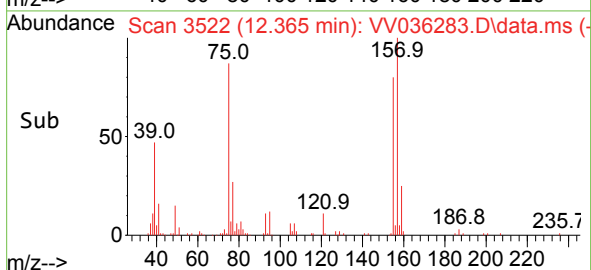
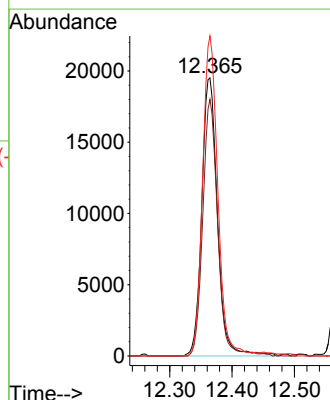
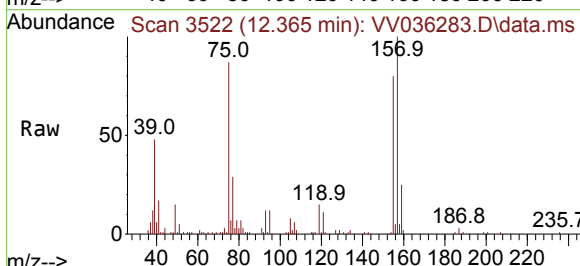
Tgt Ion: 75 Resp: 34103

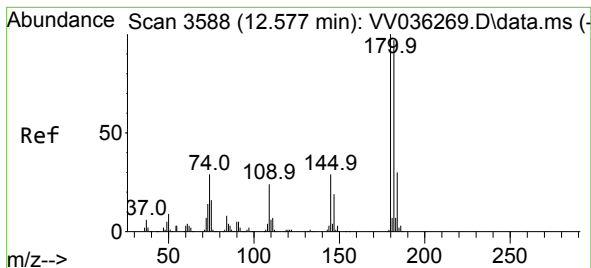
Ion Ratio Lower Upper

75 100

155 92.3 63.3 94.9

157 115.1 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 22.246 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.003 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 255203

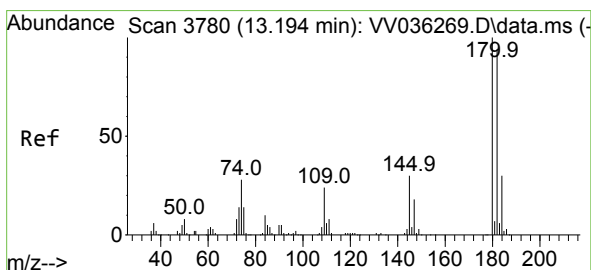
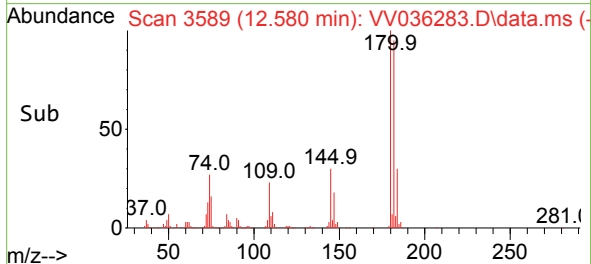
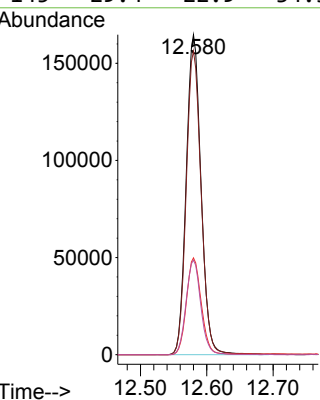
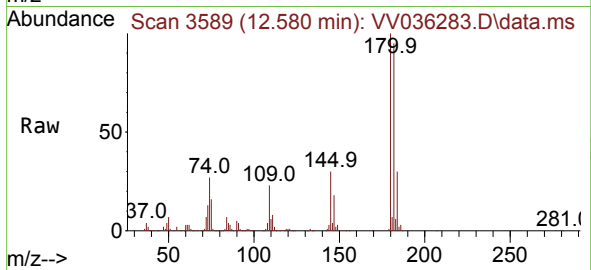
Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.4

184 30.4 24.2 36.2

145 29.4 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 24.561 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

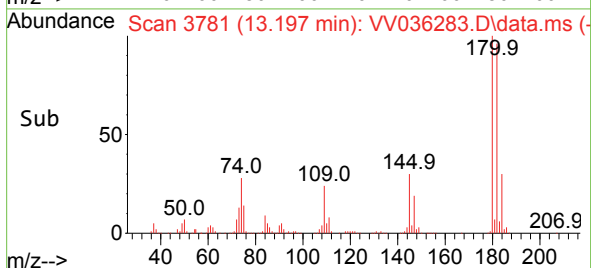
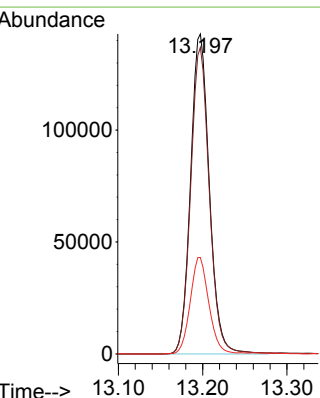
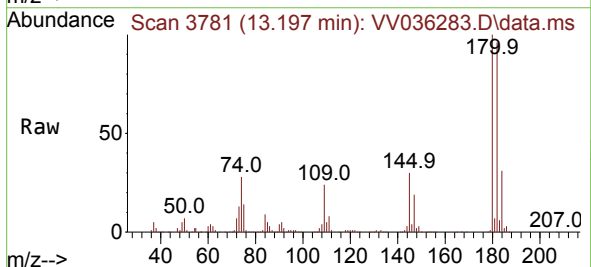
Tgt Ion:180 Resp: 221845

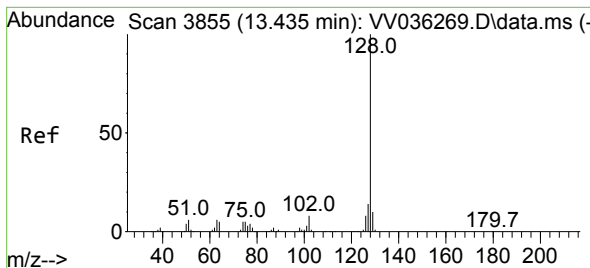
Ion Ratio Lower Upper

180 100

182 95.5 76.1 114.1

145 29.7 23.5 35.3





#71

Naphthalene

Concen: 34.847 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

Instrument :

MSVOA_V

ClientSampleId :

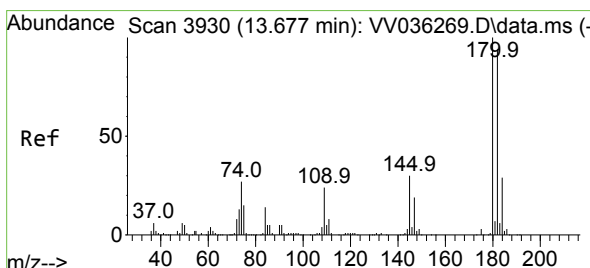
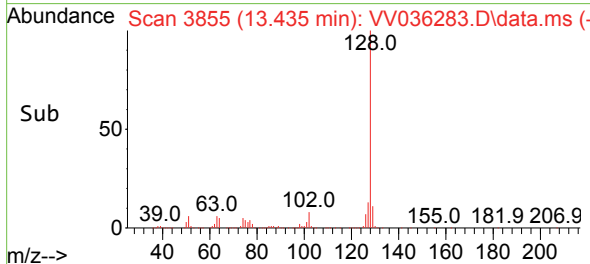
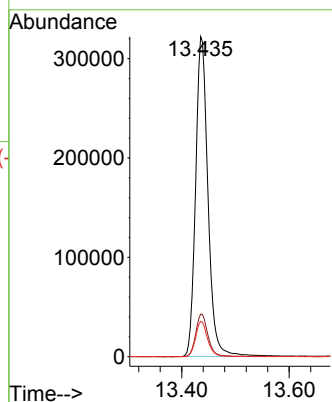
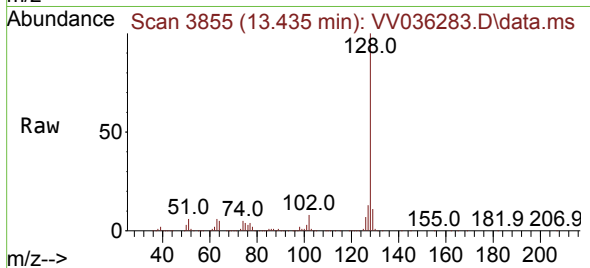
Tgt Ion:128 Resp: 513672

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 10.7 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 26.484 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

Lab File: VV036283.D

Acq: 25 Jun 2024 20:14

Tgt Ion:180 Resp: 218297

Ion Ratio Lower Upper

180 100

182 94.8 75.1 112.7

145 32.2 25.2 37.8

