

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062024\
 Data File : VW036186.D
 Acq On : 21 Jun 2024 01:11
 Operator : SY/MD
 Sample : P2962-17
 Misc : 5.43g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 21 05:15:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 20 05:02:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	484365	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	441668	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	179564	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	152299	17.103	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.400%
7) Chloroethane-d5	1.526	69	128648	18.118	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.480%
11) 1,1-Dichloroethene-d2	2.050	65	63979	16.139	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.560%
21) 2-Butanone-d5	3.828	46	11871	5.810	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	11.620%#
24) Chloroform-d	4.243	84	279394	18.144	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	72.560%
26) 1,2-Dichloroethane-d4	4.937	65	160406	19.867	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	79.480%
32) Benzene-d6	4.953	84	570429	21.728	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.920%
36) 1,2-Dichloropropane-d6	5.986	67	191043	23.107	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.440%
41) Toluene-d8	7.239	98	577108	24.913	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.640%
43) trans-1,3-Dichloroprop...	7.551	79	92147	27.183	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.720%
47) 2-Hexanone-d5	8.027	63	61976	55.329	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.660%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	311288	50.386	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	201.560%#
66) 1,2-Dichlorobenzene-d4	11.185	152	172461	26.191	ug/L	-0.37
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.760%
Target Compounds						
					Qvalue	
16) Methylene chloride	2.442	84	84599	7.719	ug/L	97
29) Cyclohexane	4.568	56	179706	17.089	ug/L #	44
35) Methylcyclohexane	6.043	83	651838	53.241	ug/L #	89
38) Bromodichloromethane	6.384	83	28259	2.815	ug/L #	1
40) 4-Methyl-2-pentanone	7.188	43	202476	49.133	ug/L #	50
45) 1,1,2-Trichloroethane	7.715	97	734058	116.964	ug/L #	19
46) Tetrachloroethene	7.905	164	9982	1.542	ug/L	95
48) 2-Hexanone	8.140	43	592783	183.998	ug/L #	1
49) Dibromochloromethane	8.140	129	3918	0.570	ug/L #	31
52) Ethylbenzene	8.953	91	19205	0.608	ug/L	92
53) m,p-Xylene	9.079	106	5761	0.486	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	10.175	83	323376	57.544	ug/L #	38
60) Isopropylbenzene	9.866	105	317608	13.787	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	329883	19.748	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	721055	40.062	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.352	75	19046	20.056	ug/L #	1
70) 1,2,4-trichlorobenzene	13.152	180	9820	1.378	ug/L #	1
71) Naphthalene	13.429	128	289750	24.918	ug/L #	26
72) 1,2,3-Trichlorobenzene	13.709	180	46117	7.093	ug/L #	1

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036186.D
Acq On : 21 Jun 2024 01:11
Operator : SY/MD
Sample : P2962-17
Misc : 5.43g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Jun 21 05:15:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 20 05:02:48 2024
Response via : Initial Calibration

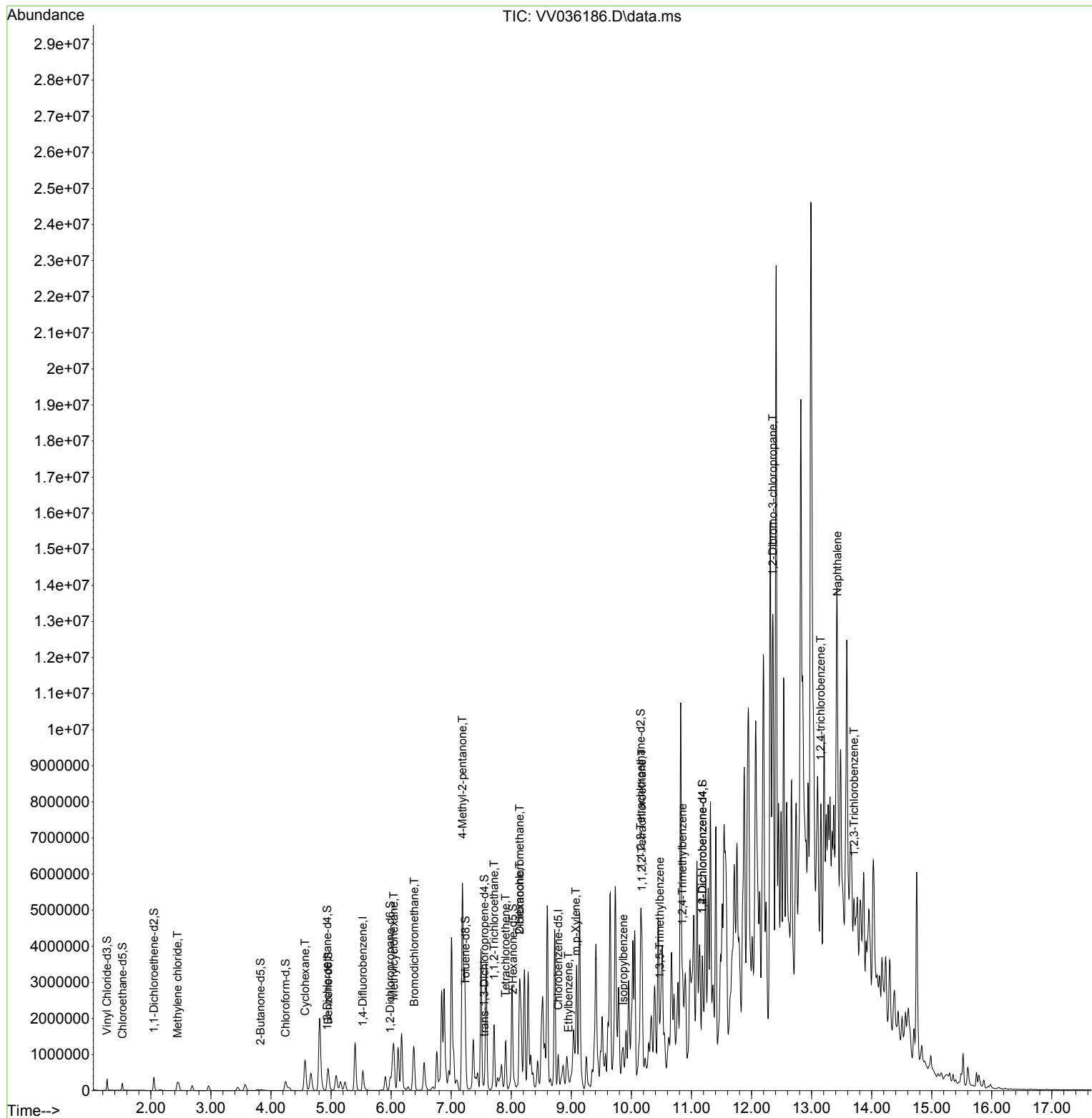
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

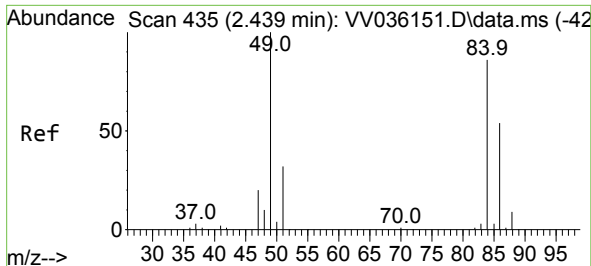
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036186.D
Acq On : 21 Jun 2024 01:11
Operator : SY/MD
Sample : P2962-17
Misc : 5.43g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

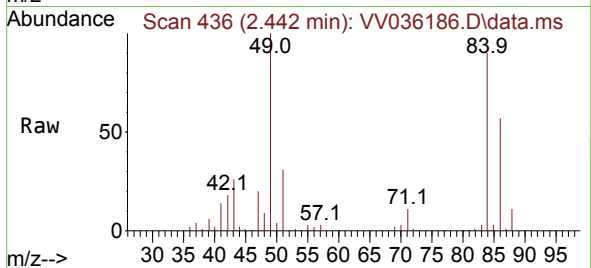
Quant Time: Jun 21 05:15:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 20 05:02:48 2024
Response via : Initial Calibration



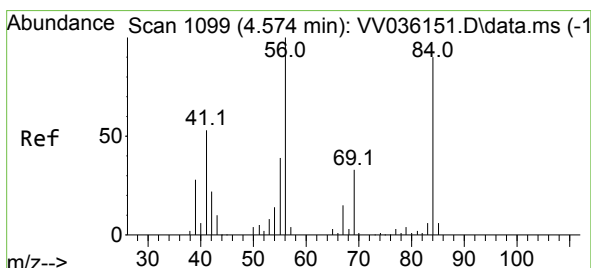
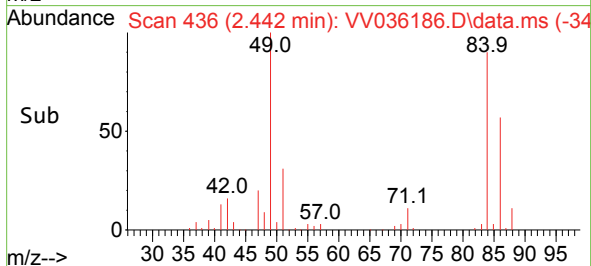
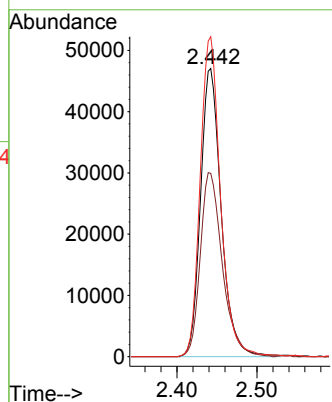


#16
Methylene chloride
Concen: 7.719 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV036186.D
Acq: 21 Jun 2024 01:11

Instrument :
MSVOA_V
ClientSampleId :

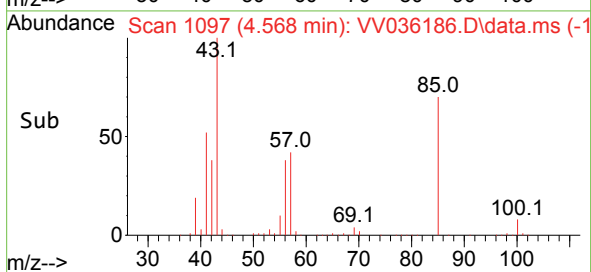
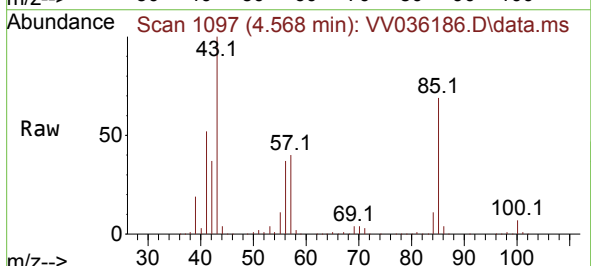
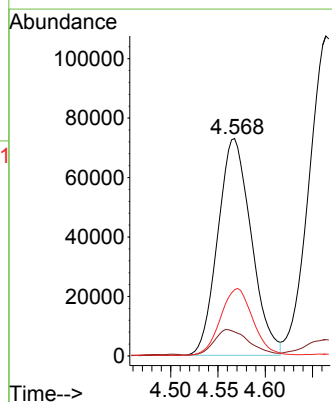


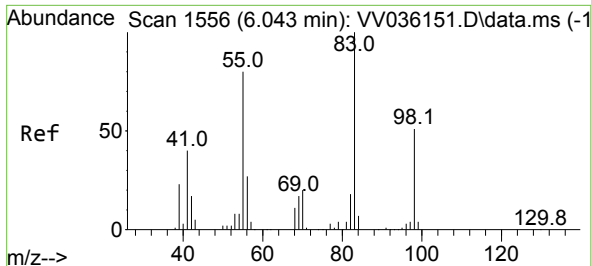
Tgt Ion: 84 Resp: 84599
Ion Ratio Lower Upper
84 100
86 63.6 44.6 82.8
49 111.1 81.1 150.5



#29
Cyclohexane
Concen: 17.089 ug/L
RT: 4.568 min Scan# 1097
Delta R.T. -0.006 min
Lab File: VV036186.D
Acq: 21 Jun 2024 01:11

Tgt Ion: 56 Resp: 179706
Ion Ratio Lower Upper
56 100
69 12.2 25.2 37.8#
84 29.8 72.2 108.2#

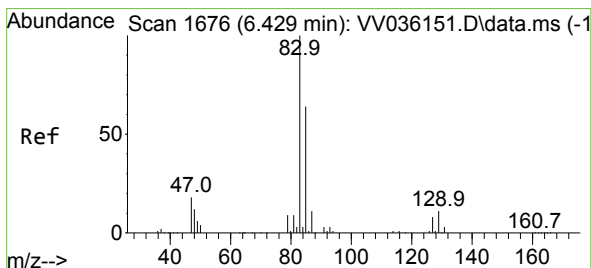
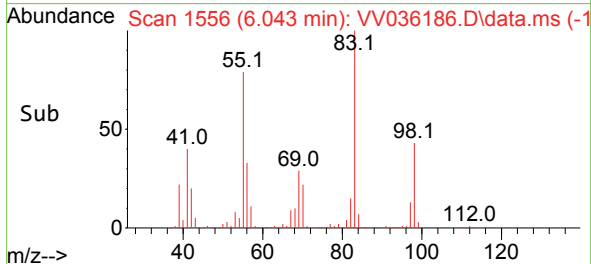
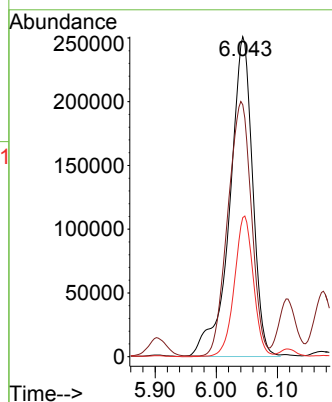
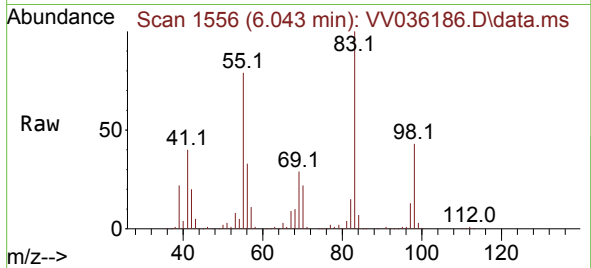




#35
Methylcyclohexane
Concen: 53.241 ug/L
RT: 6.043 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV036186.D
Acq: 21 Jun 2024 01:11

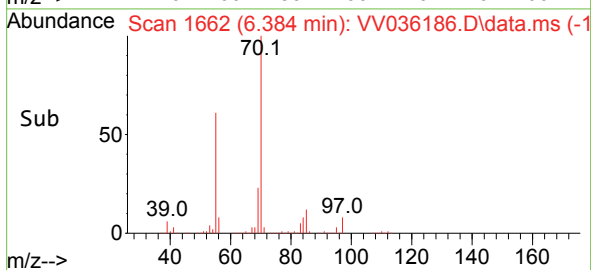
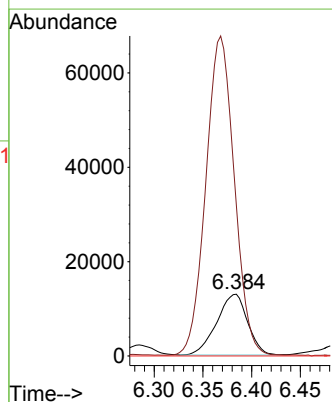
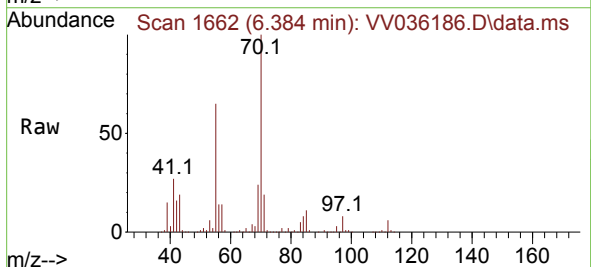
Instrument :
MSVOA_V
ClientSampleId :

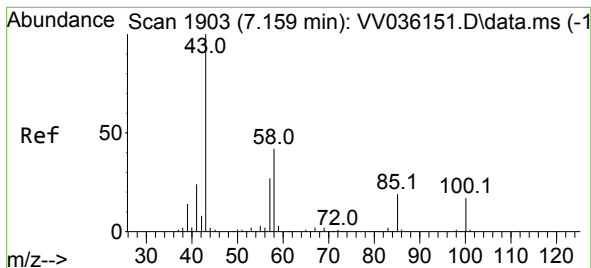
Tgt Ion: 83 Resp: 651838
Ion Ratio Lower Upper
83 100
55 82.0 60.7 91.1
98 36.7 38.7 58.1#



#38
Bromodichloromethane
Concen: 2.815 ug/L
RT: 6.384 min Scan# 1662
Delta R.T. -0.045 min
Lab File: VV036186.D
Acq: 21 Jun 2024 01:11

Tgt Ion: 83 Resp: 28259
Ion Ratio Lower Upper
83 100
85 244.1 45.3 84.1#
127 0.0 6.7 10.1#





#40

4-Methyl-2-pentanone

Concen: 49.133 ug/L

RT: 7.188 min Scan# 1903

Delta R.T. 0.029 min

Lab File: VV036186.D

Acq: 21 Jun 2024 01:11

Instrument :

MSVOA_V

ClientSampleId :

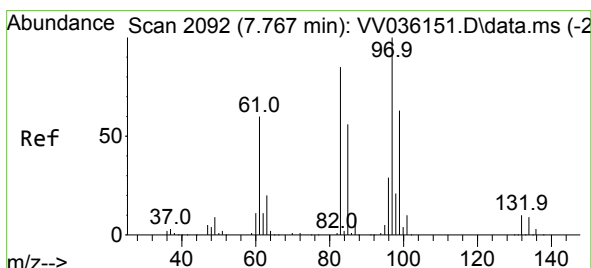
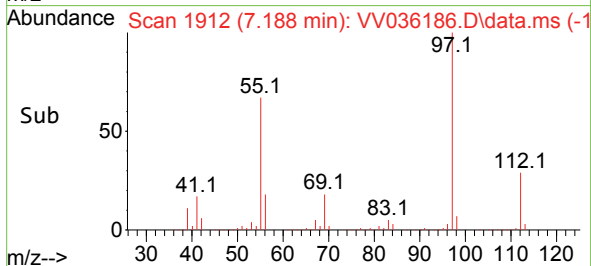
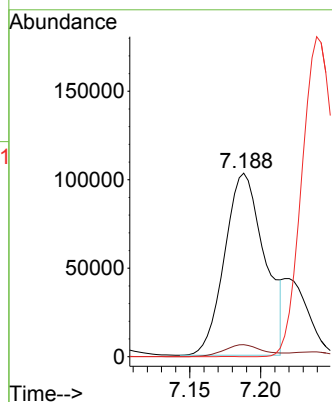
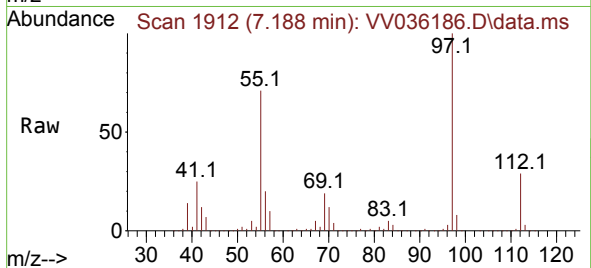
Tgt Ion: 43 Resp: 202476

Ion Ratio Lower Upper

43 100

58 6.6 32.5 48.7#

100 0.0 12.5 18.7#



#45

1,1,2-Trichloroethane

Concen: 116.964 ug/L

RT: 7.715 min Scan# 2076

Delta R.T. -0.051 min

Lab File: VV036186.D

Acq: 21 Jun 2024 01:11

Tgt Ion: 97 Resp: 734058

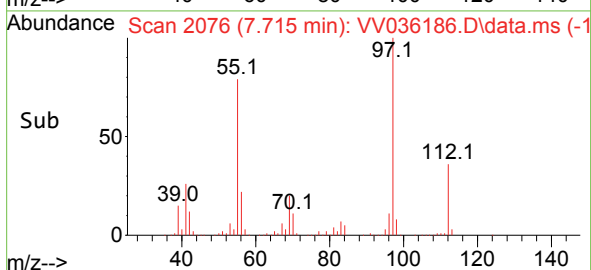
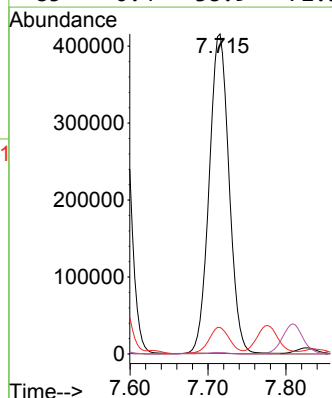
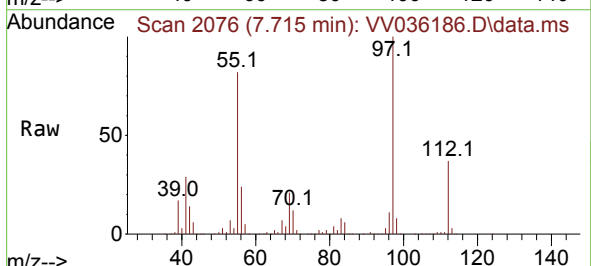
Ion Ratio Lower Upper

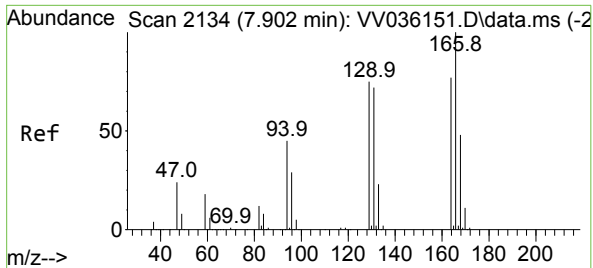
97 100

99 0.3 43.3 80.5#

83 8.3 60.1 111.7#

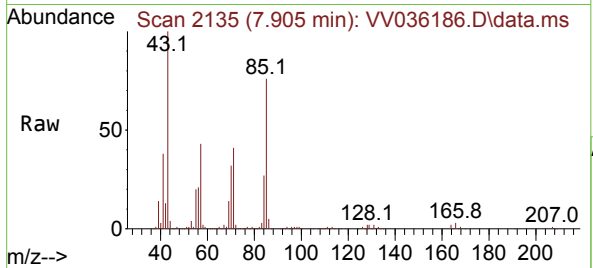
85 0.4 38.9 72.3#



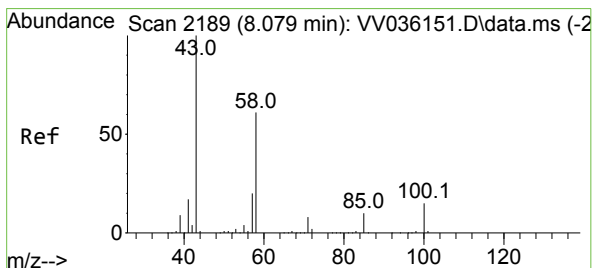
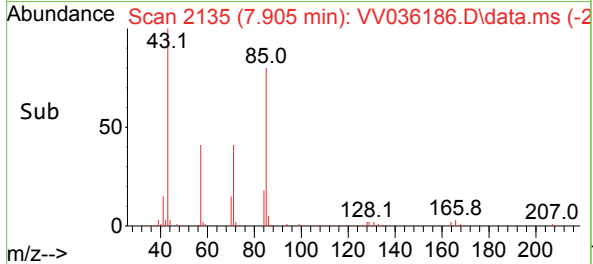
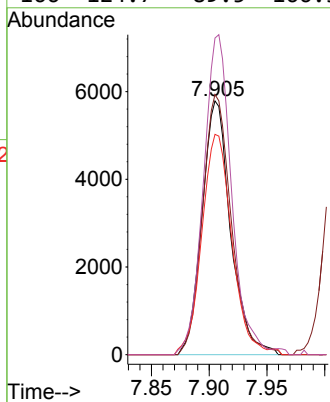


#46
Tetrachloroethene
Concen: 1.542 ug/L
RT: 7.905 min Scan# 2134
Delta R.T. 0.003 min
Lab File: VV036186.D
Acq: 21 Jun 2024 01:11

Instrument :
MSVOA_V
ClientSampleId :

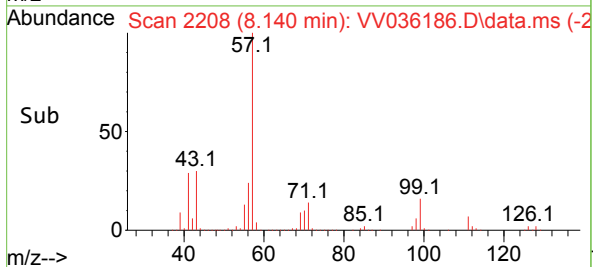
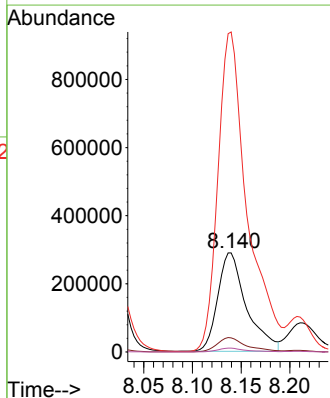
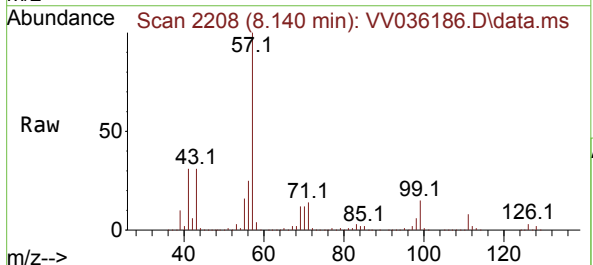


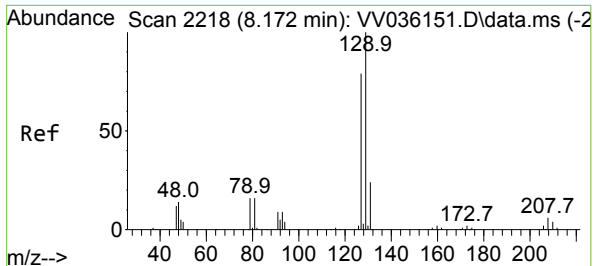
Tgt Ion:164 Resp: 9982
Ion Ratio Lower Upper
164 100
129 102.5 64.6 120.0
131 86.8 63.2 117.4
166 124.7 89.5 166.3



#48
2-Hexanone
Concen: 183.998 ug/L
RT: 8.140 min Scan# 2208
Delta R.T. 0.061 min
Lab File: VV036186.D
Acq: 21 Jun 2024 01:11

Tgt Ion: 43 Resp: 592783
Ion Ratio Lower Upper
43 100
58 14.9 45.4 68.0#
57 332.6 15.8 23.8#
100 4.0 9.8 14.8#





#49

Dibromochloromethane

Concen: 0.570 ug/L

RT: 8.140 min Scan# 21

Delta R.T. -0.032 min

Lab File: VV036186.D

Acq: 21 Jun 2024 01:11

Instrument :

MSVOA_V

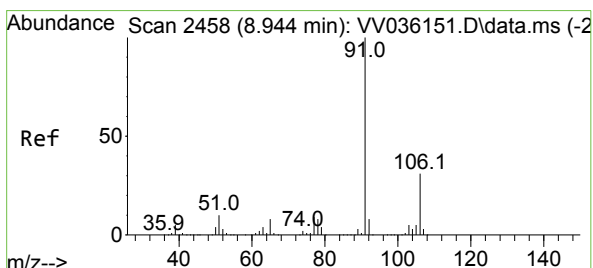
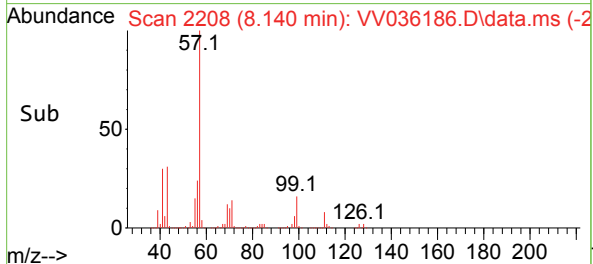
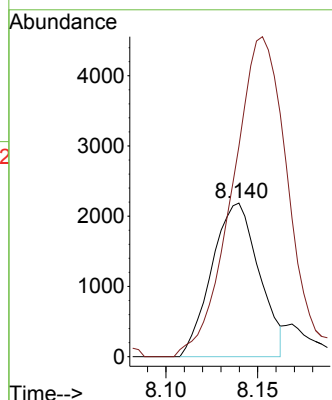
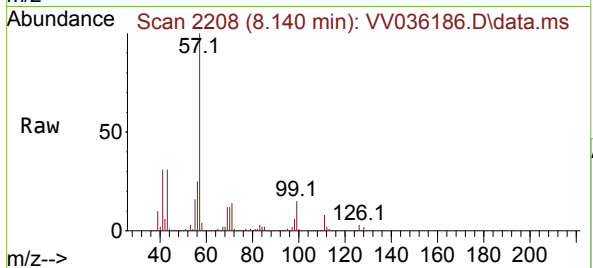
ClientSampleId :

Tgt Ion:129 Resp: 3918

Ion Ratio Lower Upper

129 100

127 137.0 53.9 100.1#



#52

Ethylbenzene

Concen: 0.608 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.010 min

Lab File: VV036186.D

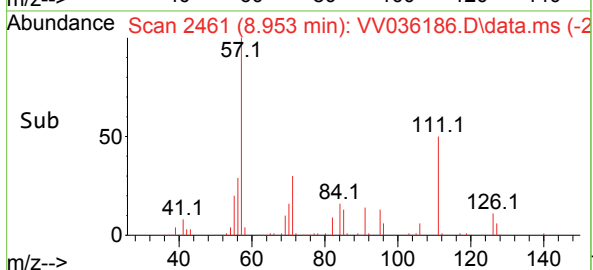
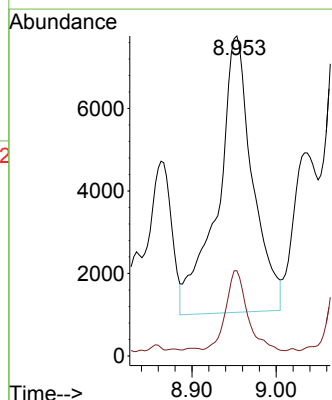
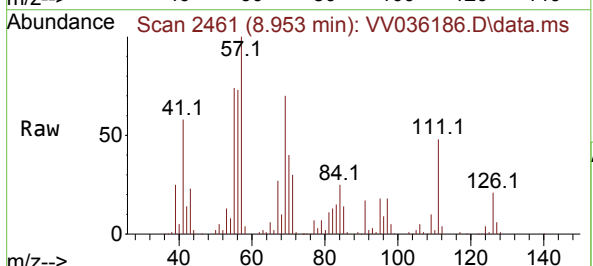
Acq: 21 Jun 2024 01:11

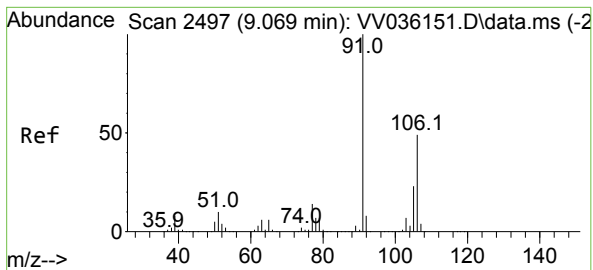
Tgt Ion: 91 Resp: 19205

Ion Ratio Lower Upper

91 100

106 26.7 21.6 40.0

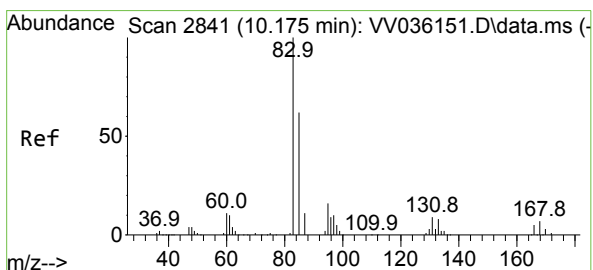
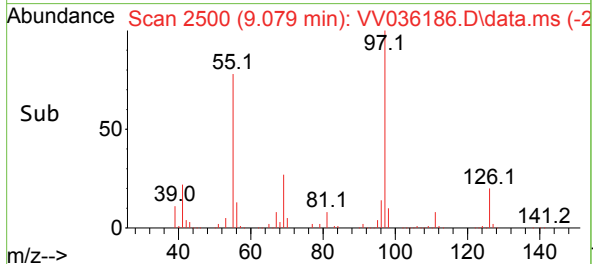
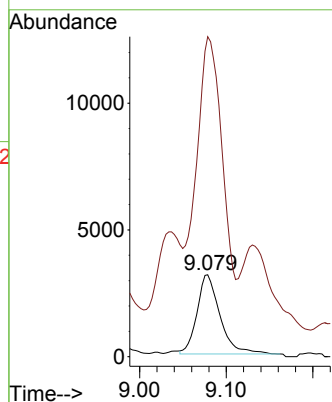
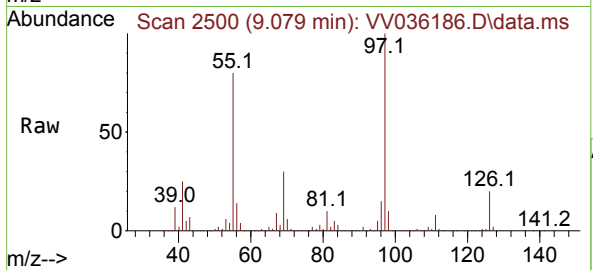




#53
m,p-Xylene
Concen: 0.486 ug/L
RT: 9.079 min Scan# 2497
Delta R.T. 0.010 min
Lab File: VV036186.D
Acq: 21 Jun 2024 01:11

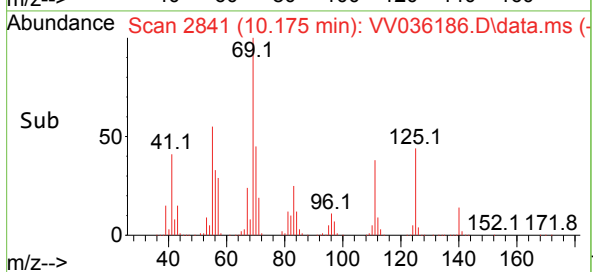
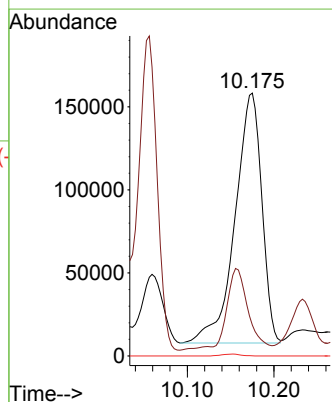
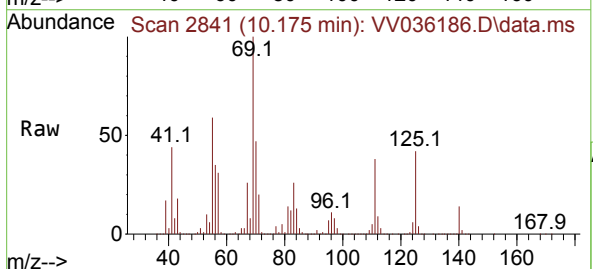
Instrument :
MSVOA_V
ClientSampleId :

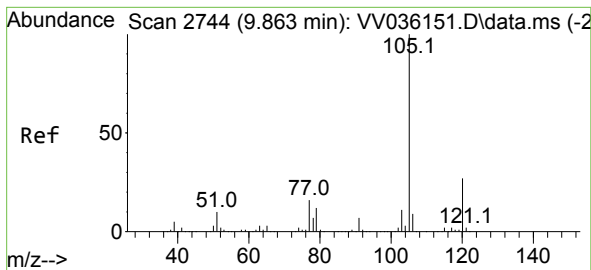
Tgt Ion:106 Resp: 5761
Ion Ratio Lower Upper
106 100
91 391.0 143.1 265.9#



#57
1,1,2,2-Tetrachloroethane
Concen: 57.544 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV036186.D
Acq: 21 Jun 2024 01:11

Tgt Ion: 83 Resp: 323376
Ion Ratio Lower Upper
83 100
85 11.8 45.1 83.7#
131 0.1 7.6 11.4#





#60

Isopropylbenzene

Concen: 13.787 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV036186.D

Acq: 21 Jun 2024 01:11

Instrument :

MSVOA_V

ClientSampleId :

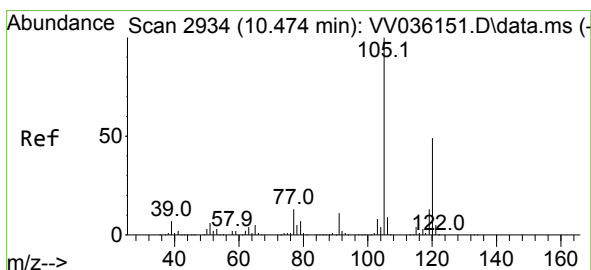
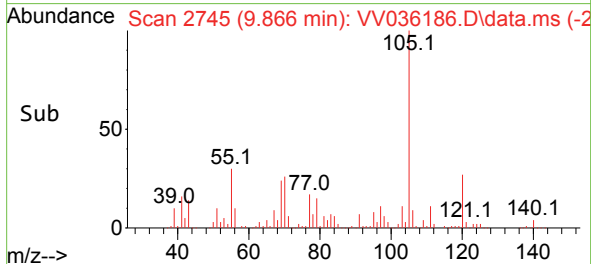
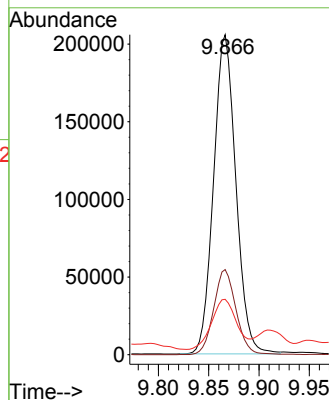
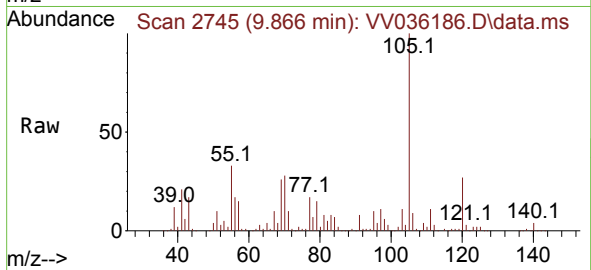
Tgt Ion:105 Resp: 317608

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.6

77 17.7 12.6 18.8



#62

1,3,5-Trimethylbenzene

Concen: 19.748 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036186.D

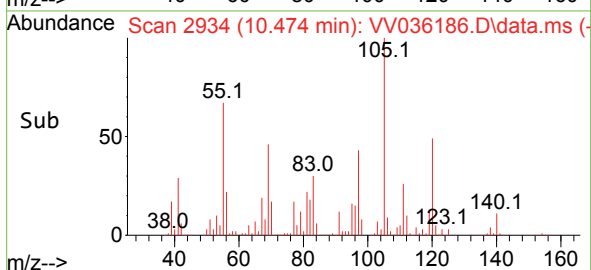
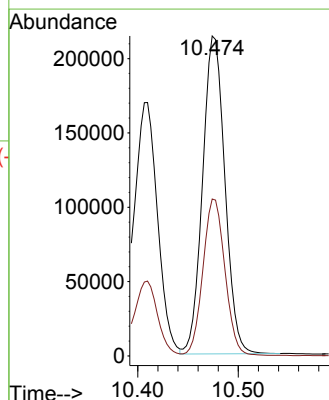
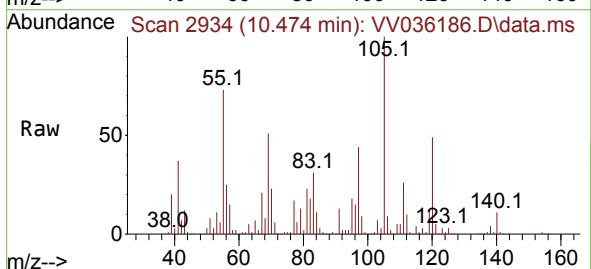
Acq: 21 Jun 2024 01:11

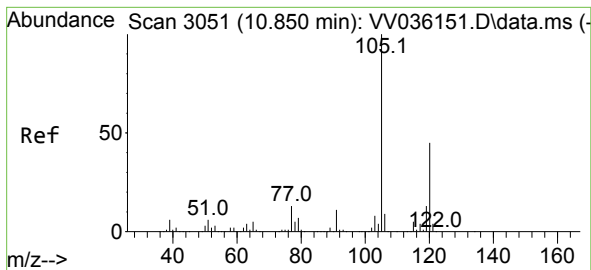
Tgt Ion:105 Resp: 329883

Ion Ratio Lower Upper

105 100

120 48.5 38.6 58.0





#63

1,2,4-Trimethylbenzene

Concen: 40.062 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV036186.D

Acq: 21 Jun 2024 01:11

Instrument :

MSVOA_V

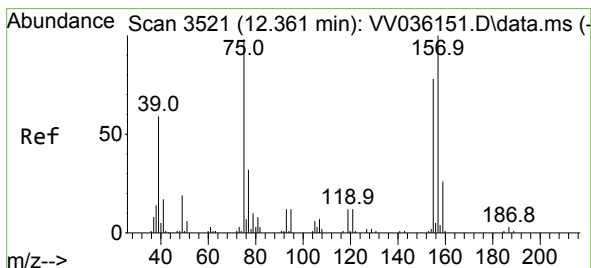
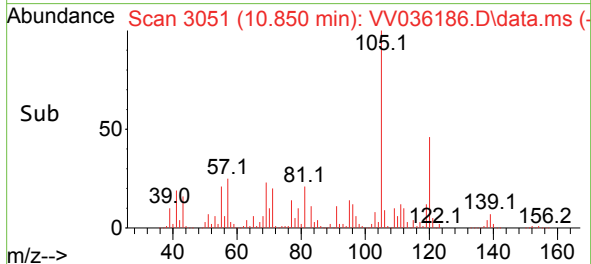
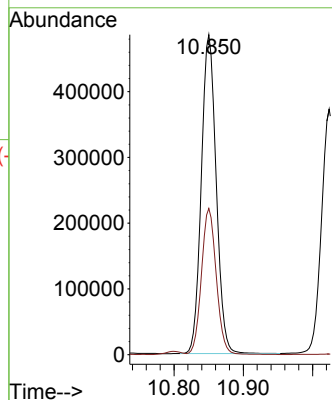
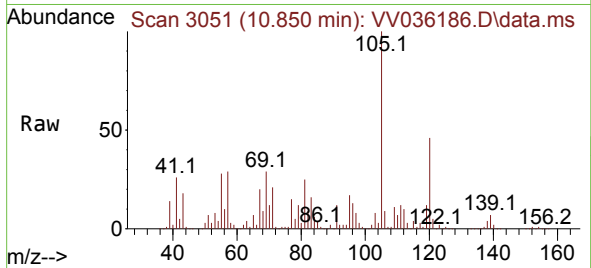
ClientSampleId :

Tgt Ion:105 Resp: 721055

Ion Ratio Lower Upper

105 100

120 45.2 36.2 54.4



#68

1,2-Dibromo-3-chloropropane

Concen: 20.056 ug/L

RT: 12.352 min Scan# 3518

Delta R.T. -0.010 min

Lab File: VV036186.D

Acq: 21 Jun 2024 01:11

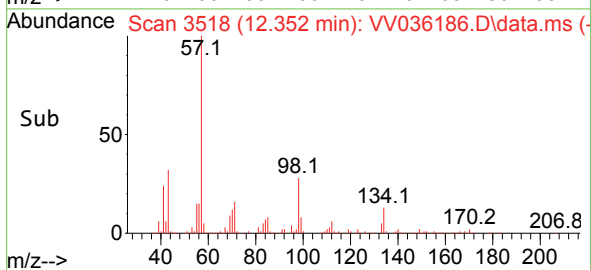
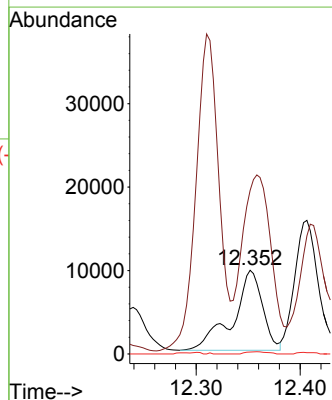
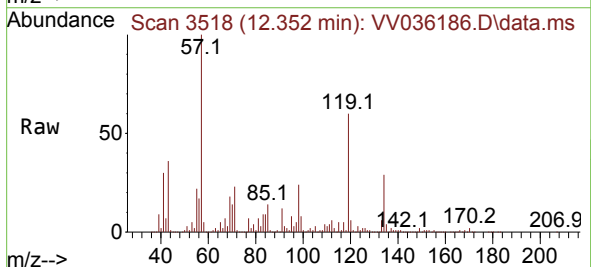
Tgt Ion: 75 Resp: 19046

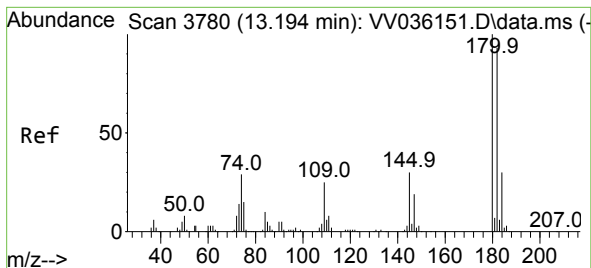
Ion Ratio Lower Upper

75 100

155 195.2 63.3 94.9#

157 2.3 82.4 123.6#





#70

1,2,4-trichlorobenzene

Concen: 1.378 ug/L

RT: 13.152 min Scan# 31

Delta R.T. -0.042 min

Lab File: VV036186.D

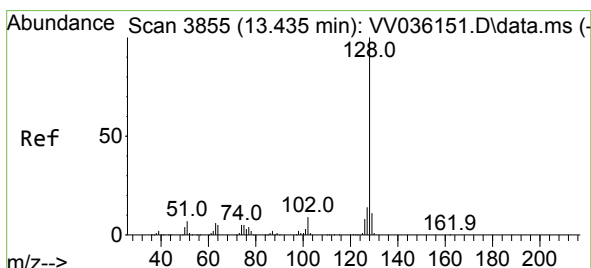
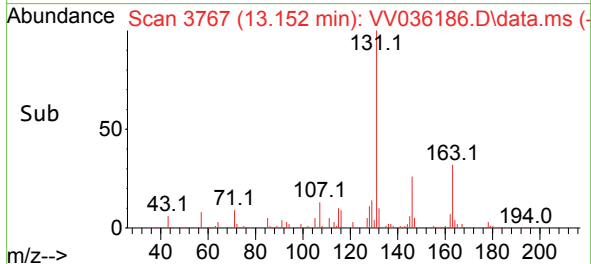
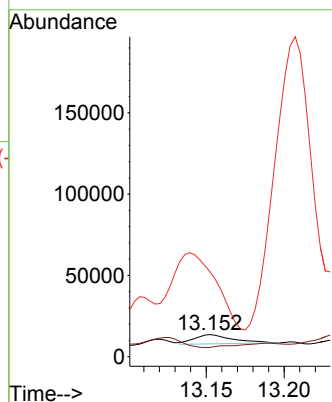
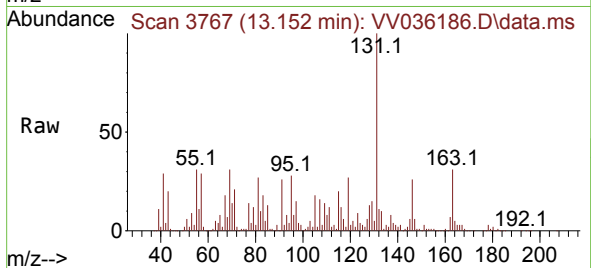
Acq: 21 Jun 2024 01:11

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 9820
 Ion Ratio Lower Upper
 180 100
 182 8.1 76.1 114.1#
 145 1427.4 23.5 35.3#



#71

Naphthalene

Concen: 24.918 ug/L

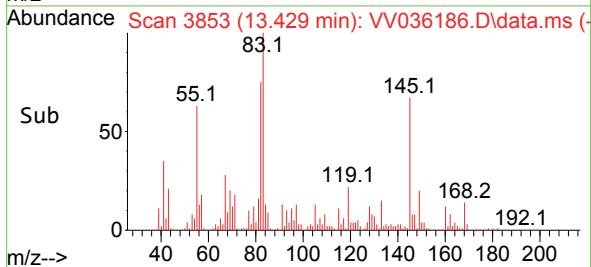
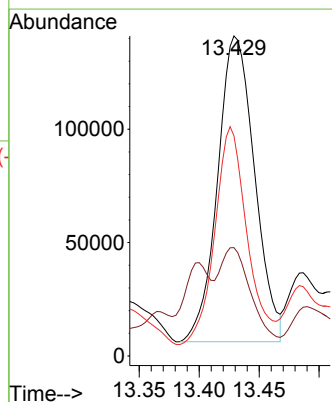
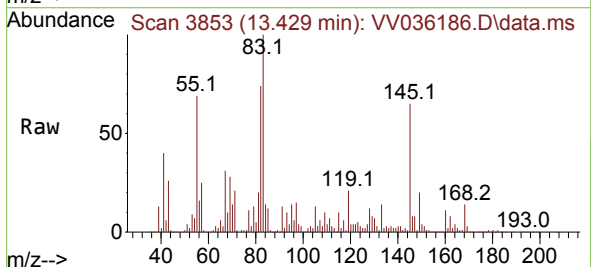
RT: 13.429 min Scan# 3853

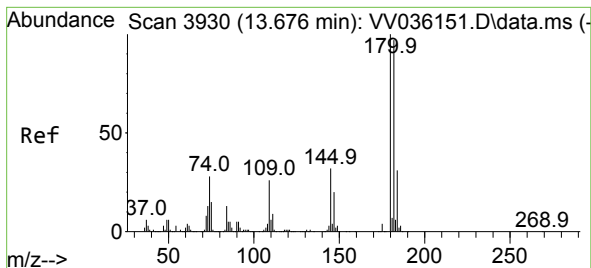
Delta R.T. -0.006 min

Lab File: VV036186.D

Acq: 21 Jun 2024 01:11

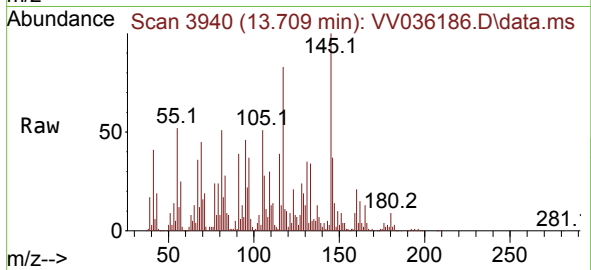
Tgt Ion:128 Resp: 289750
 Ion Ratio Lower Upper
 128 100
 127 22.9 10.6 16.0#
 129 62.3 8.8 13.2#





#72
 1,2,3-Trichlorobenzene
 Concen: 7.093 ug/L
 RT: 13.709 min Scan# 3940
 Delta R.T. 0.032 min
 Lab File: VV036186.D
 Acq: 21 Jun 2024 01:11

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:180 Resp: 46117
 Ion Ratio Lower Upper
 180 100
 182 23.4 75.1 112.7#
 145 1186.0 25.2 37.8#

