

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062524\
 Data File : VW036279.D
 Acq On : 25 Jun 2024 18:42
 Operator : SY/MD
 Sample : P2962-04
 Misc : 4.85g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 26 04:24:21 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	5.535	114	407397	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	517334	25.000	ug/L	# 0.01
58) 1,4-Dichlorobenzene-d4	11.223	152	393384	25.000	ug/L	# 0.04
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	126011	16.824	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.280%
7) Chloroethane-d5	1.529	69	109705	18.369	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.480%
11) 1,1-Dichloroethene-d2	2.053	65	58983	17.689	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.760%
21) 2-Butanone-d5	3.841	46	54597	31.771	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.540%
24) Chloroform-d	4.249	84	252814	19.519	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.080%
26) 1,2-Dichloroethane-d4	4.944	65	166983	24.589	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.360%
32) Benzene-d6	4.963	84	502454	16.339	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	65.360%
36) 1,2-Dichloropropane-d6	5.992	67	172557	17.819	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	71.280%
41) Toluene-d8	7.246	98	608817	22.438	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.760%
43) trans-1,3-Dichloroprop...	7.558	79	129281	32.559	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	130.240%
47) 2-Hexanone-d5	8.034	63	97349	74.196	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	148.400%#
56) 1,1,2,2-Tetrachloroeth...	10.059	84	18315369	2530.967	ug/L	-0.09
Spiked Amount	25.000	Range	45 - 120	Recovery	=	10123.880%#
66) 1,2-Dichlorobenzene-d4	11.554	152	29193	2.024	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	8.080%#
Target Compounds						
					Qvalue	
16) Methylene chloride	2.445	84	21888	2.374	ug/L	94
29) Cyclohexane	4.587	56	37970	3.083	ug/L	# 83
35) Methylcyclohexane	6.056	83	641446	44.729	ug/L	93
38) Bromodichloromethane	6.394	83	16754	1.425	ug/L	# 53
40) 4-Methyl-2-pentanone	7.204	43	286768	59.410	ug/L	# 1
45) 1,1,2-Trichloroethane	7.728	97	1175282	159.878	ug/L	# 19
48) 2-Hexanone	8.034	43	4256413	1127.939	ug/L	# 16
49) Dibromochloromethane	8.178	129	15464	1.922	ug/L	# 1
50) 1,2-Dibromoethane	8.313	107	3436	0.487	ug/L	# 1
51) Chlorobenzene	8.757	112	113405	4.814	ug/L	# 61
52) Ethylbenzene	8.960	91	2711291	73.297	ug/L	99
53) m,p-Xylene	9.098	106	359001	25.829	ug/L	65
54) o-Xylene	9.500	106	91897	7.011	ug/L	# 8
57) 1,1,2,2-Tetrachloroethane	10.140	83	751785	114.213	ug/L	# 67
60) Isopropylbenzene	9.911	105	11743342	232.685	ug/L	98
61) 1,2,3-Trichloropropane	10.249	75	8915	0.958	ug/L	# 38
62) 1,3,5-Trimethylbenzene	10.464	105	19939978	544.859	ug/L	# 77
63) 1,2,4-Trimethylbenzene	10.715	105	2270190	57.575	ug/L	# 78
68) 1,2-Dibromo-3-chloropr...	12.358	75	33275	15.994	ug/L	# 11

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Quant Time: Jun 26 04:24:21 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

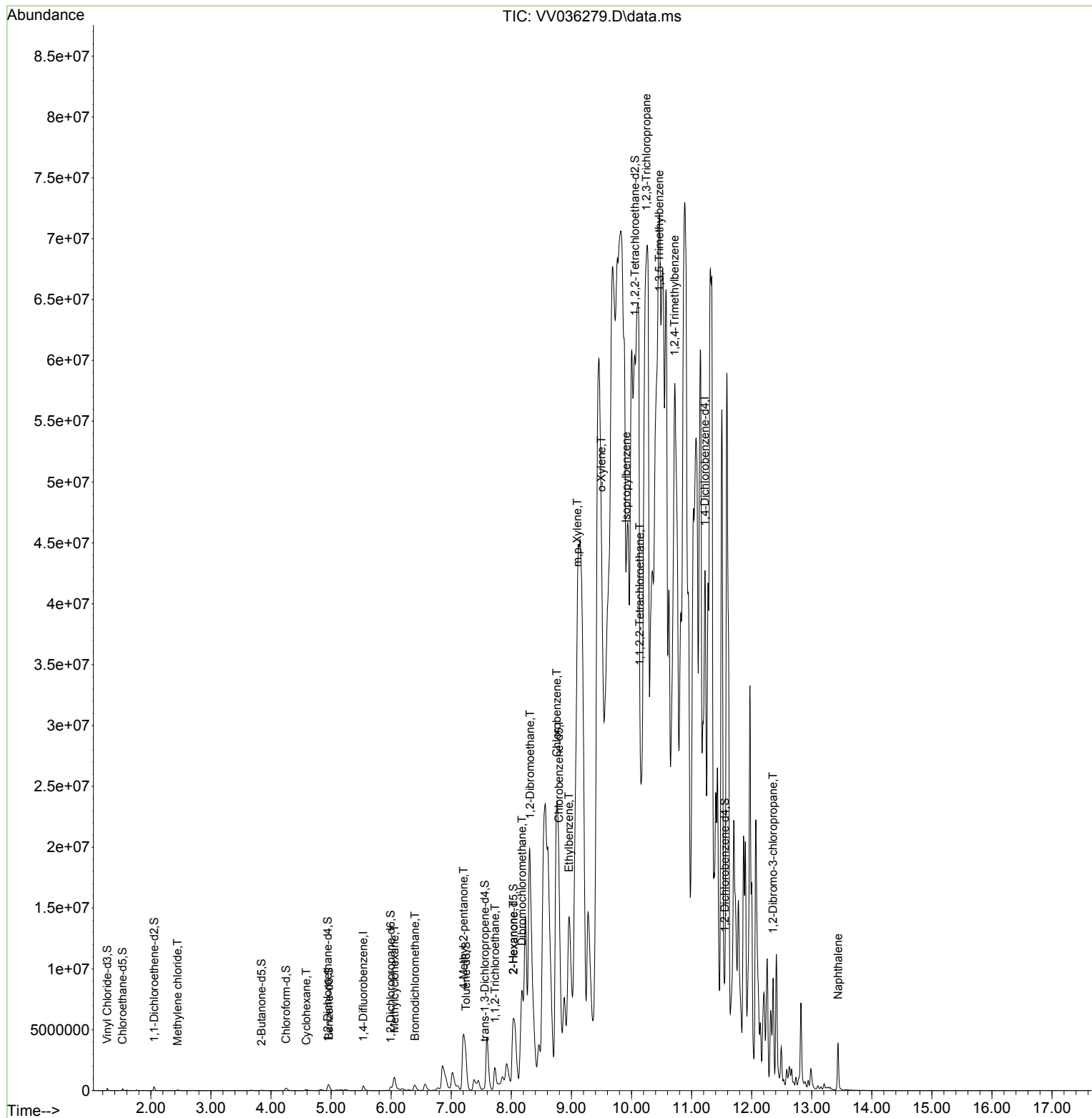
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.439	128	2979057	116.940	ug/L	100

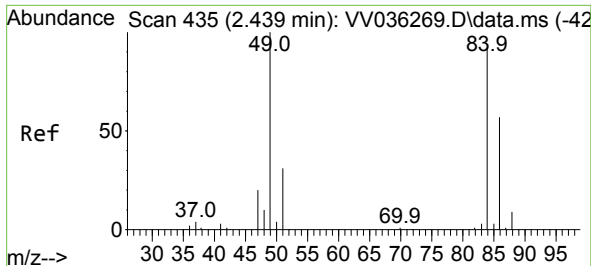
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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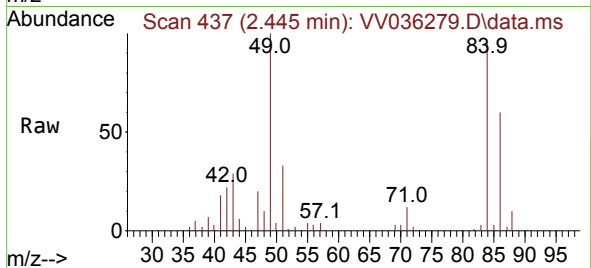
Quant Time: Jun 26 04:24:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 26 04:03:41 2024
Response via : Initial Calibration



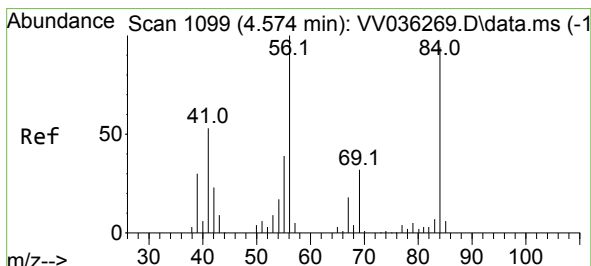
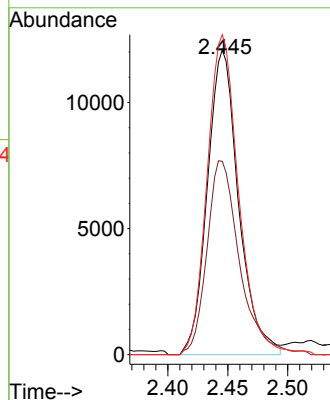
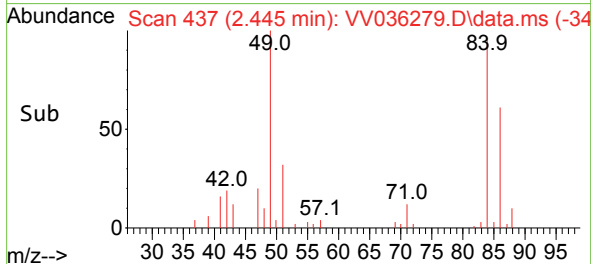


#16
Methylene chloride
Concen: 2.374 ug/L
RT: 2.445 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV036279.D
Acq: 25 Jun 2024 18:42

Instrument :
MSVOA_V
ClientSampleId :

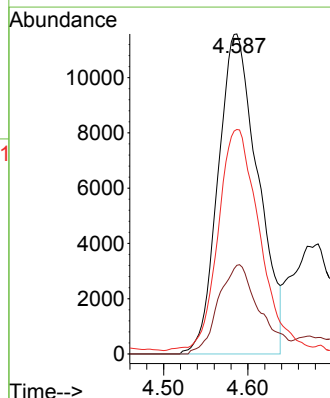
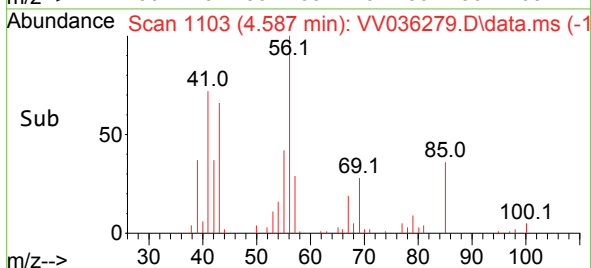
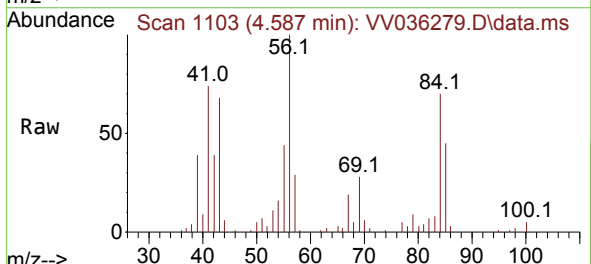


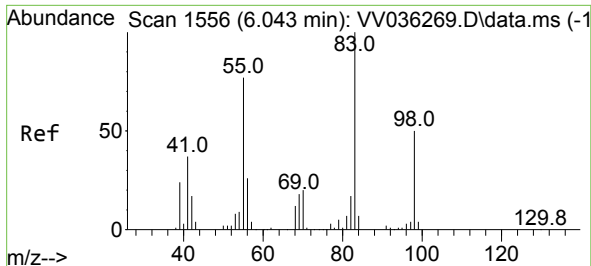
Tgt Ion: 84 Resp: 21888
Ion Ratio Lower Upper
84 100
86 63.5 44.6 82.8
49 105.0 81.1 150.5



#29
Cyclohexane
Concen: 3.083 ug/L
RT: 4.587 min Scan# 1103
Delta R.T. 0.013 min
Lab File: VV036279.D
Acq: 25 Jun 2024 18:42

Tgt Ion: 56 Resp: 37970
Ion Ratio Lower Upper
56 100
69 29.0 25.2 37.8
84 70.5 72.2 108.2#

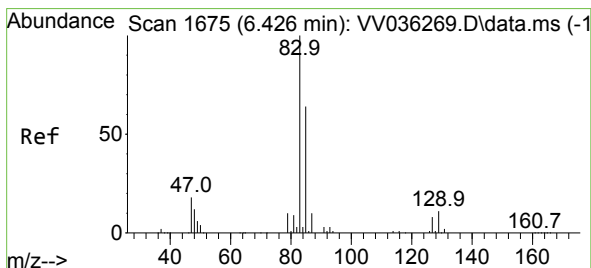
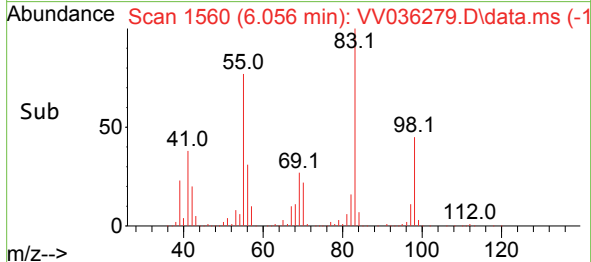
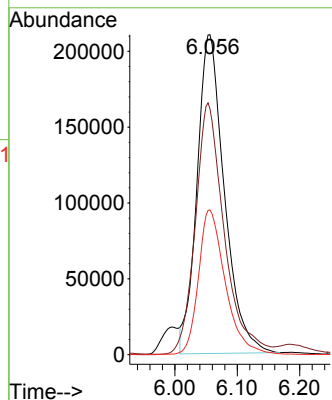
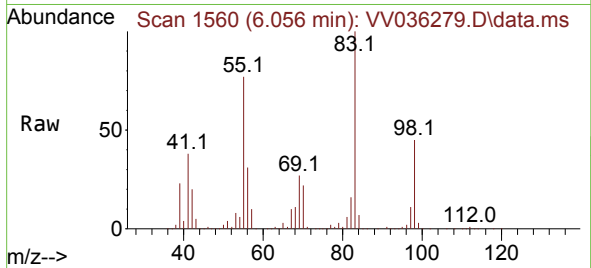




#35
Methylcyclohexane
Concen: 44.729 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.013 min
Lab File: VV036279.D
Acq: 25 Jun 2024 18:42

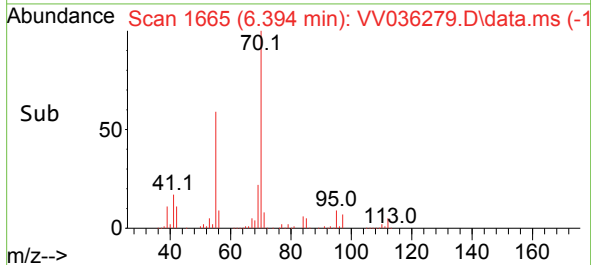
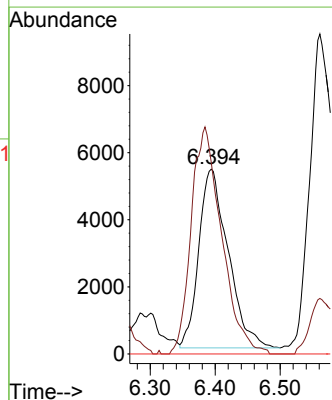
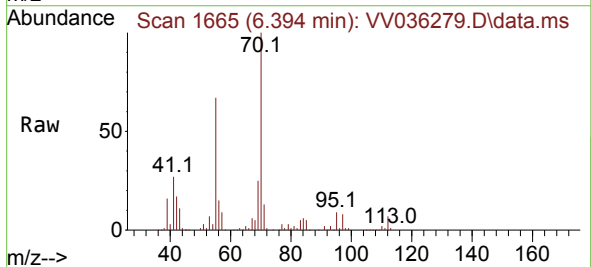
Instrument :
MSVOA_V
ClientSampleId :

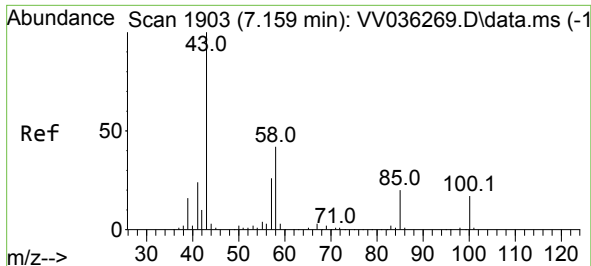
Tgt Ion: 83 Resp: 641446
Ion Ratio Lower Upper
83 100
55 83.2 60.7 91.1
98 44.7 38.7 58.1



#38
Bromodichloromethane
Concen: 1.425 ug/L
RT: 6.394 min Scan# 1665
Delta R.T. -0.032 min
Lab File: VV036279.D
Acq: 25 Jun 2024 18:42

Tgt Ion: 83 Resp: 16754
Ion Ratio Lower Upper
83 100
85 103.7 45.3 84.1#
127 0.0 6.7 10.1#

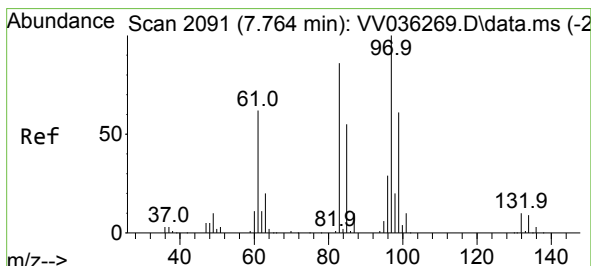
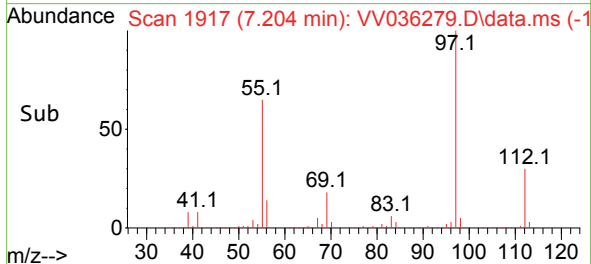
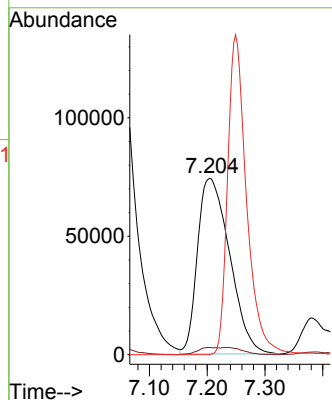
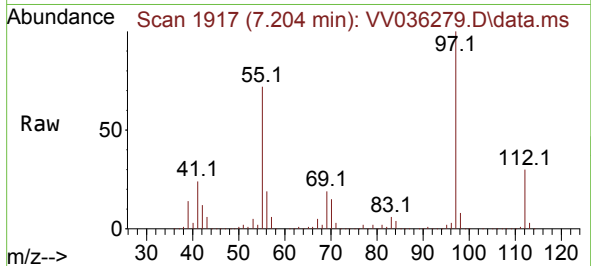




#40
4-Methyl-2-pentanone
Concen: 59.410 ug/L
RT: 7.204 min Scan# 1903
Delta R.T. 0.045 min
Lab File: VV036279.D
Acq: 25 Jun 2024 18:42

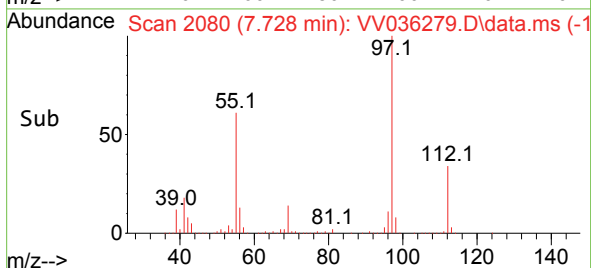
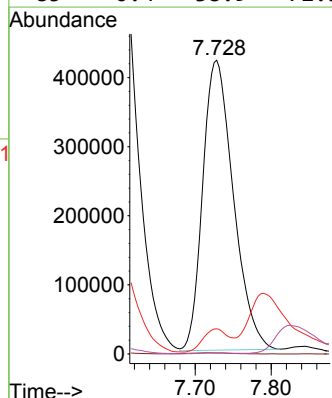
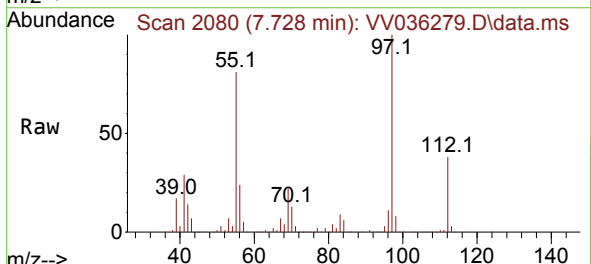
Instrument :
MSVOA_V
ClientSampleId :

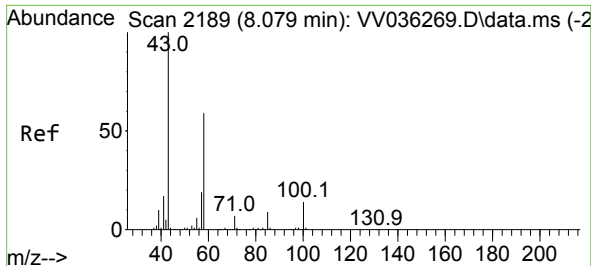
Tgt Ion: 43 Resp: 286768
Ion Ratio Lower Upper
43 100
58 2.0 32.5 48.7#
100 107.6 12.5 18.7#



#45
1,1,2-Trichloroethane
Concen: 159.878 ug/L
RT: 7.728 min Scan# 2080
Delta R.T. -0.035 min
Lab File: VV036279.D
Acq: 25 Jun 2024 18:42

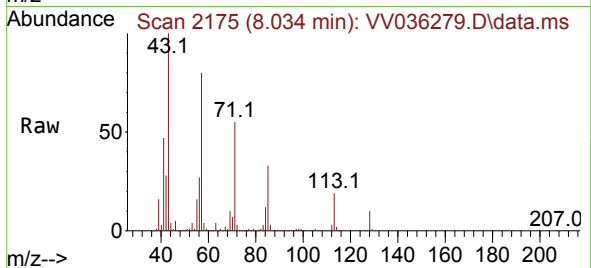
Tgt Ion: 97 Resp: 1175282
Ion Ratio Lower Upper
97 100
99 0.3 43.3 80.5#
83 8.6 60.1 111.7#
85 0.4 38.9 72.3#





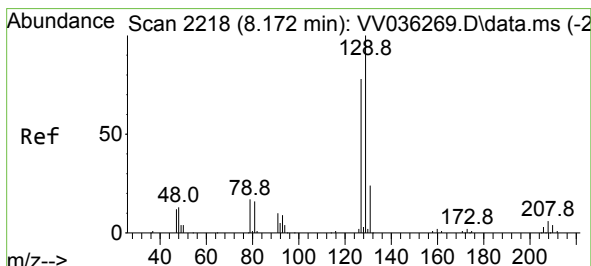
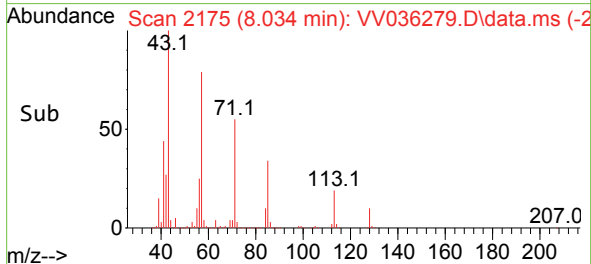
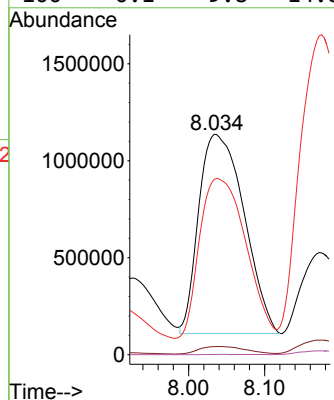
#48
2-Hexanone
Concen: 1127.939 ug/L
RT: 8.034 min Scan# 2189
Delta R.T. -0.045 min
Lab File: VV036279.D
Acq: 25 Jun 2024 18:42

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 43 Resp: 4256413

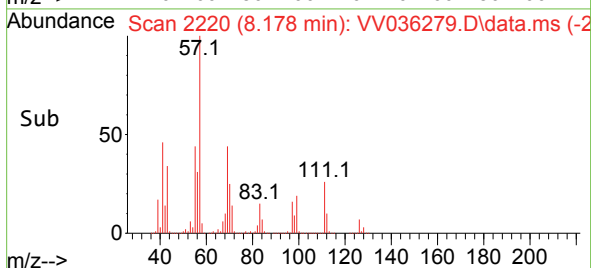
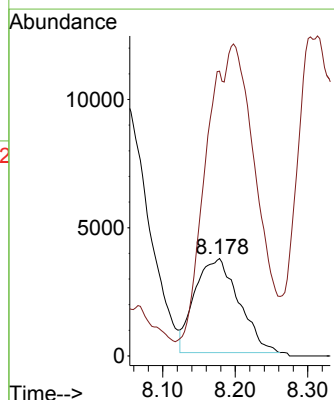
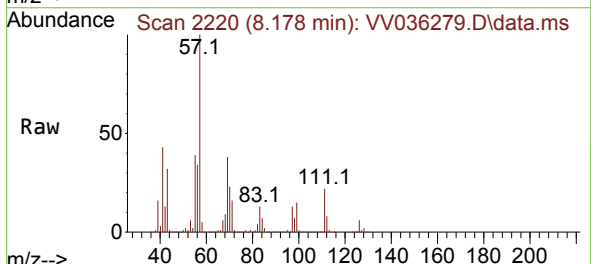
Ion	Ratio	Lower	Upper
43	100		
58	0.0	45.4	68.0#
57	81.4	15.8	23.8#
100	0.1	9.8	14.8#

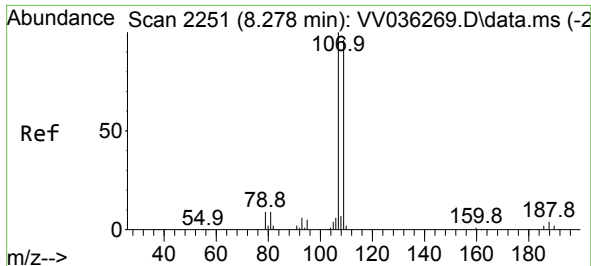


#49
Dibromochloromethane
Concen: 1.922 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.006 min
Lab File: VV036279.D
Acq: 25 Jun 2024 18:42

Tgt Ion: 129 Resp: 15464

Ion	Ratio	Lower	Upper
129	100		
127	292.4	53.9	100.1#





#50

1,2-Dibromoethane

Concen: 0.487 ug/L

RT: 8.313 min Scan# 21

Delta R.T. 0.035 min

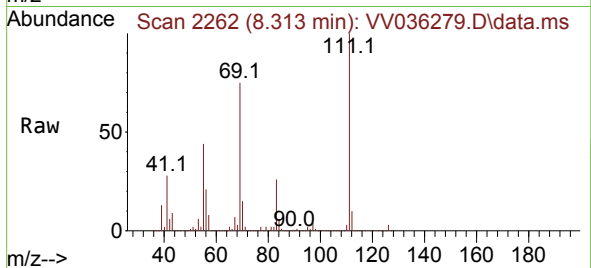
Lab File: VV036279.D

Acq: 25 Jun 2024 18:42

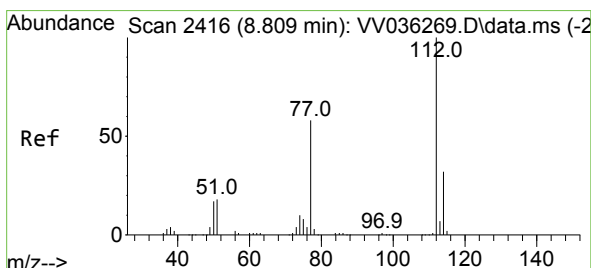
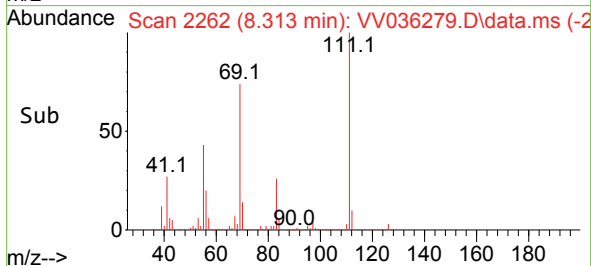
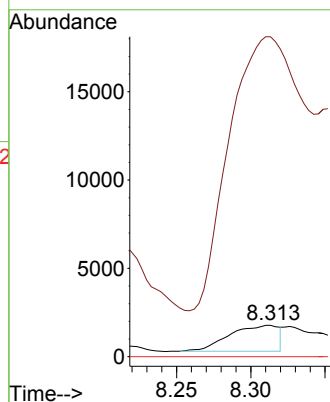
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	107	Resp:	3436
Ion	Ratio	Lower	Upper
107	100		
109	1018.1	66.1	122.7#
188	0.0	3.0	4.6#



#51

Chlorobenzene

Concen: 4.814 ug/L

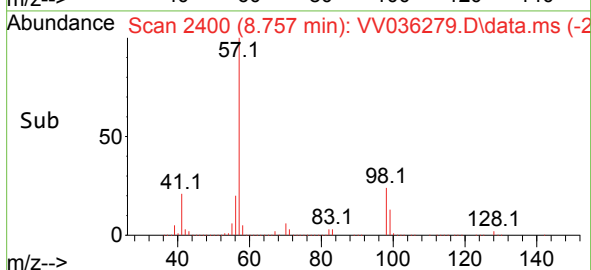
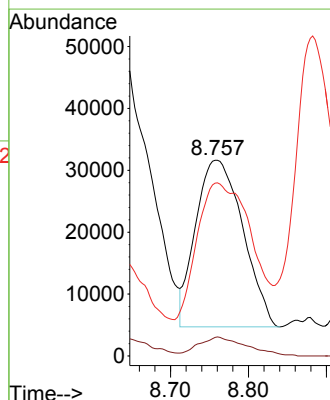
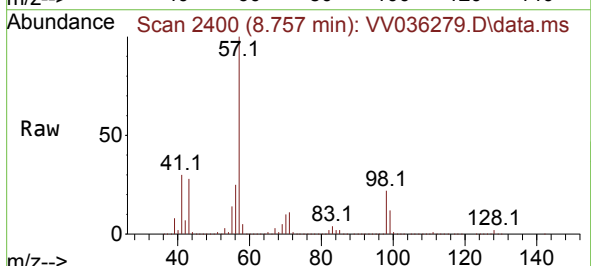
RT: 8.757 min Scan# 2400

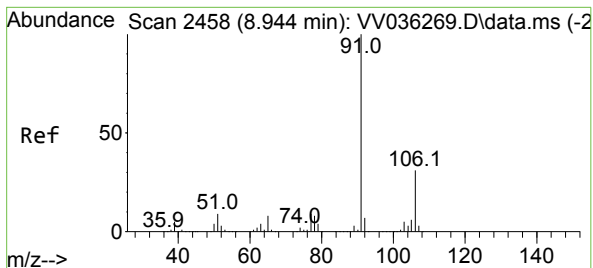
Delta R.T. -0.052 min

Lab File: VV036279.D

Acq: 25 Jun 2024 18:42

Tgt Ion:	112	Resp:	113405
Ion	Ratio	Lower	Upper
112	100		
114	9.5	22.3	41.5#
77	88.3	47.3	70.9#





#52

Ethylbenzene

Concen: 73.297 ug/L

RT: 8.960 min Scan# 2458

Delta R.T. 0.016 min

Lab File: VV036279.D

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Instrument :

MSVOA_V

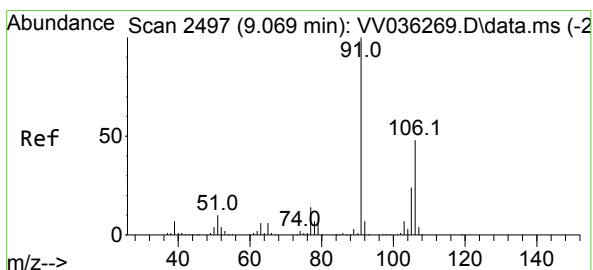
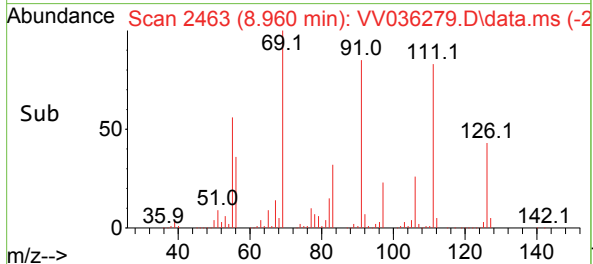
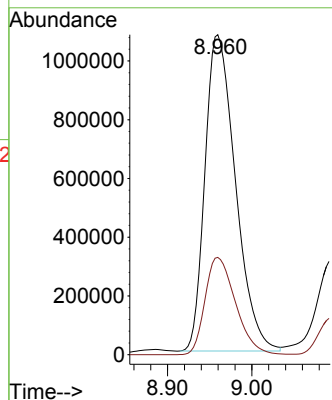
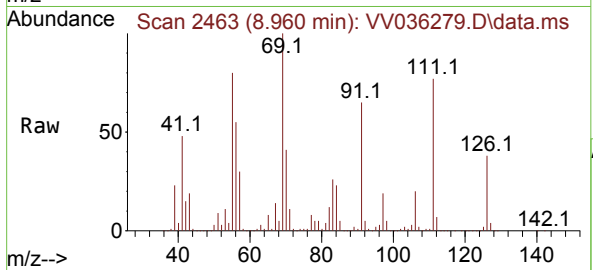
ClientSampleId :

Tgt Ion: 91 Resp: 2711291

Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.0



#53

m,p-Xylene

Concen: 25.829 ug/L

RT: 9.098 min Scan# 2506

Delta R.T. 0.029 min

Lab File: VV036279.D

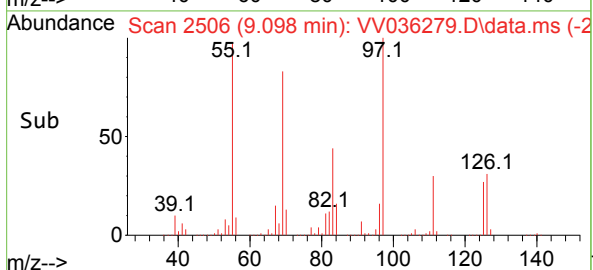
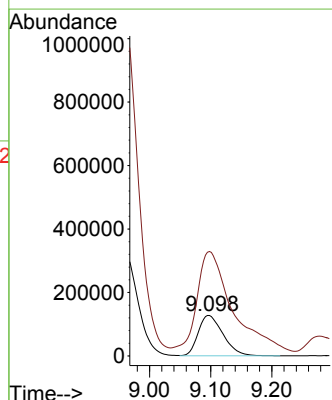
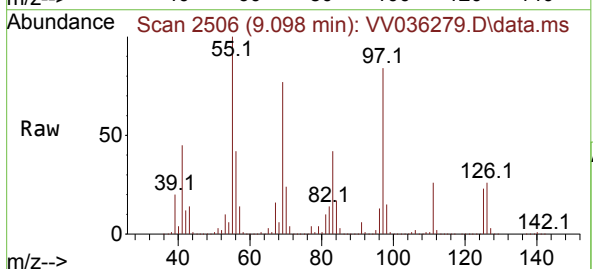
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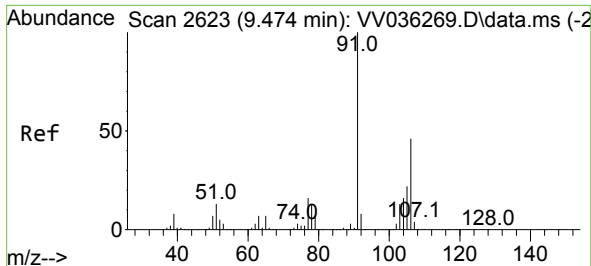
Tgt Ion: 106 Resp: 359001

Ion Ratio Lower Upper

106 100

91 257.9 143.1 265.9

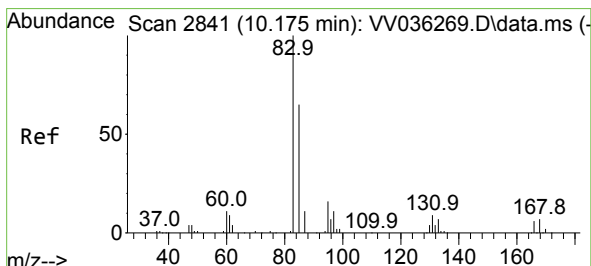
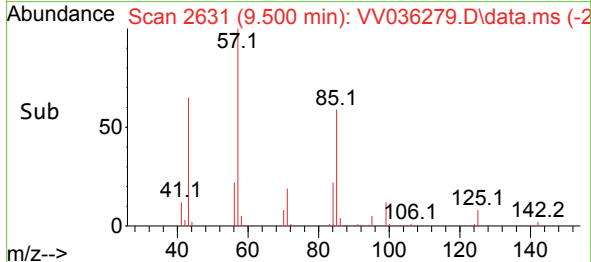
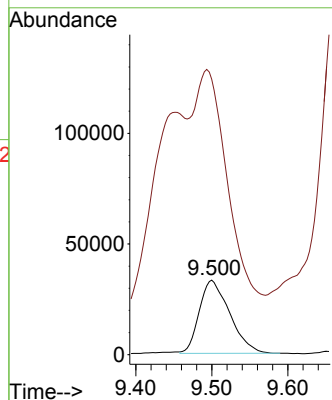
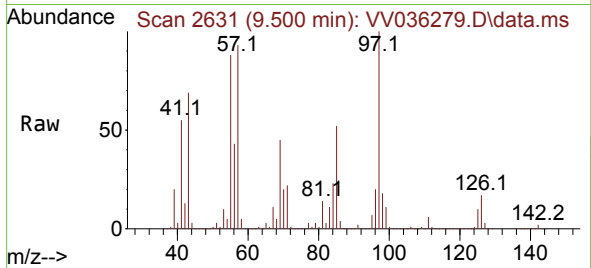




#54
o-Xylene
Concen: 7.011 ug/L
RT: 9.500 min Scan# 21
Delta R.T. 0.026 min
Lab File: VV036279.D
Acq: 25 Jun 2024 18:42

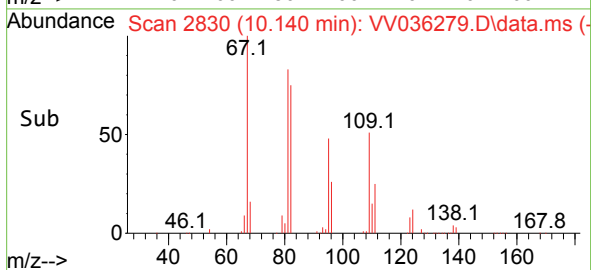
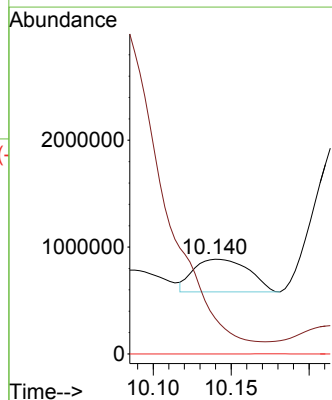
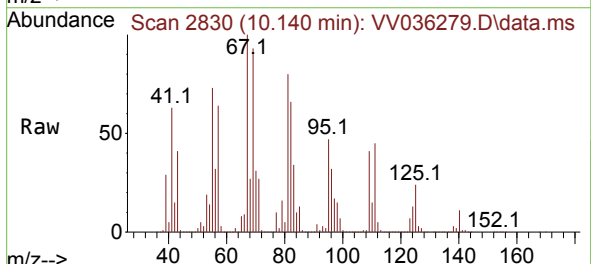
Instrument :
MSVOA_V
ClientSampleId :

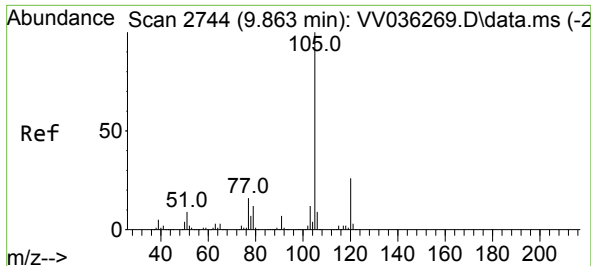
Tgt Ion:106 Resp: 91897
Ion Ratio Lower Upper
106 100
91 369.3 154.5 286.9#



#57
1,1,2,2-Tetrachloroethane
Concen: 114.213 ug/L
RT: 10.140 min Scan# 2830
Delta R.T. -0.035 min
Lab File: VV036279.D
Acq: 25 Jun 2024 18:42

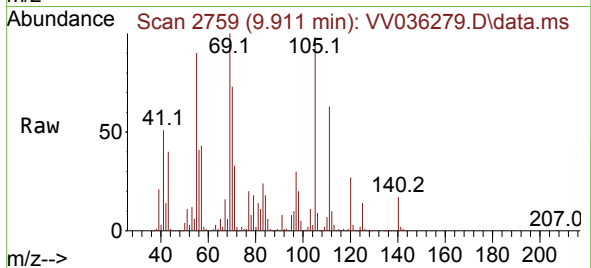
Tgt Ion: 83 Resp: 751785
Ion Ratio Lower Upper
83 100
85 37.9 45.1 83.7#
131 0.0 7.6 11.4#



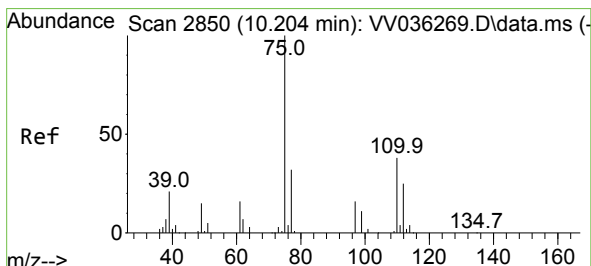
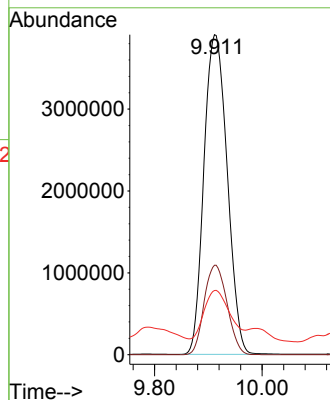
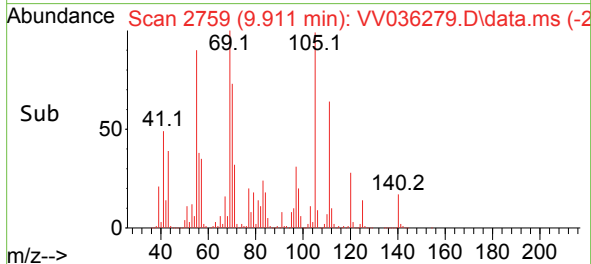


#60
Isopropylbenzene
Concen: 232.685 ug/L
RT: 9.911 min Scan# 21
Delta R.T. 0.048 min
Lab File: VV036279.D
Acq: 25 Jun 2024 18:42

Instrument :
MSVOA_V
ClientSampleId :

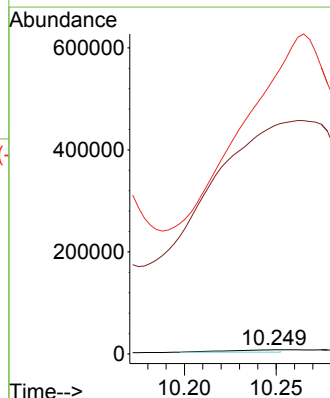
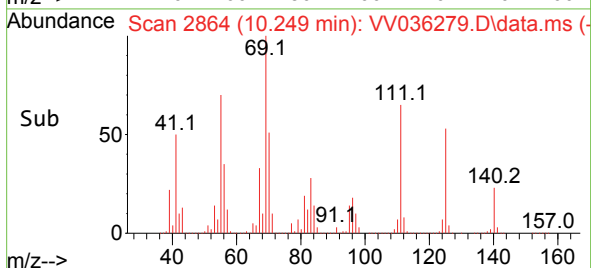
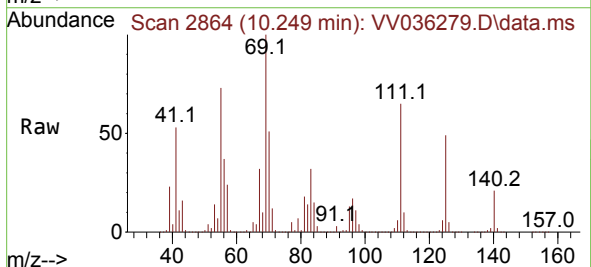


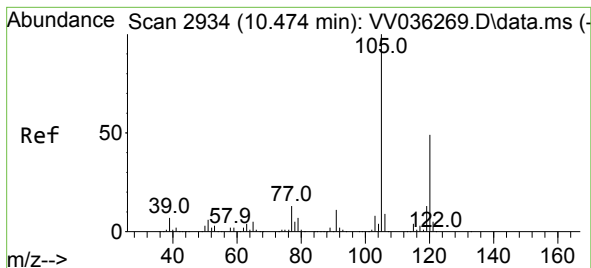
Tgt Ion:105 Resp:11743342
Ion Ratio Lower Upper
105 100
120 27.5 21.0 31.6
77 15.0 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 0.958 ug/L
RT: 10.249 min Scan# 2864
Delta R.T. 0.045 min
Lab File: VV036279.D
Acq: 25 Jun 2024 18:42

Tgt Ion: 75 Resp: 8915
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#
110 0.0 32.2 48.4#





#62

1,3,5-Trimethylbenzene

Concen: 544.859 ug/L

RT: 10.464 min Scan# 2934

Delta R.T. -0.010 min

Lab File: VV036279.D

Acq: 25 Jun 2024 18:42

Instrument :

MSVOA_V

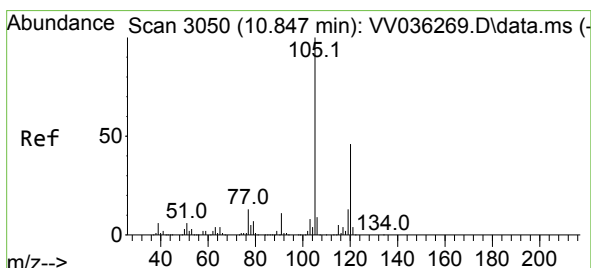
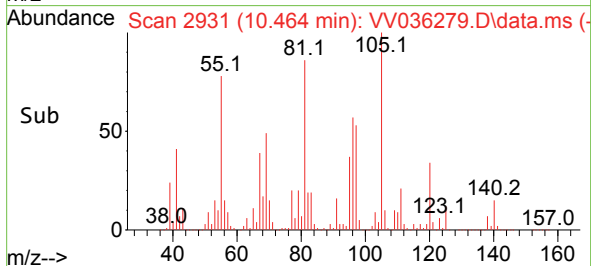
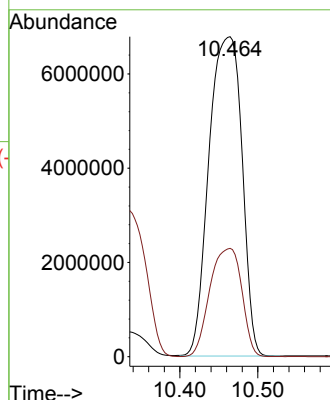
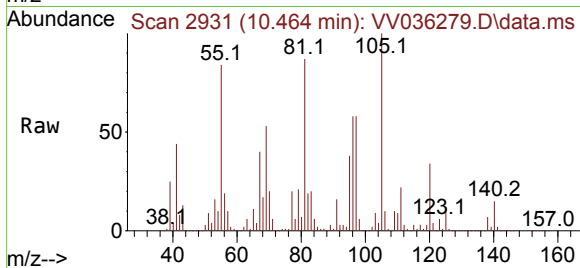
ClientSampleId :

Tgt Ion:105 Resp:19939978

Ion Ratio Lower Upper

105 100

120 32.8 38.6 58.0#



#63

1,2,4-Trimethylbenzene

Concen: 57.575 ug/L

RT: 10.715 min Scan# 3009

Delta R.T. -0.132 min

Lab File: VV036279.D

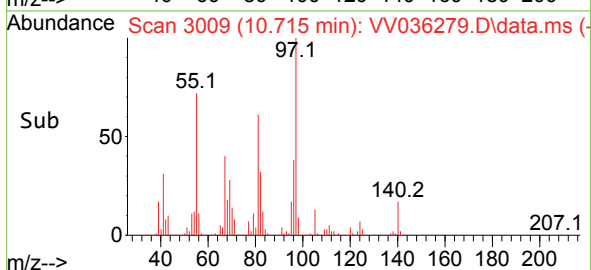
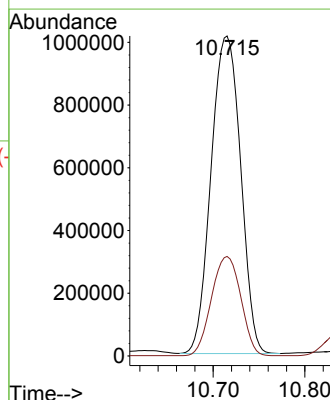
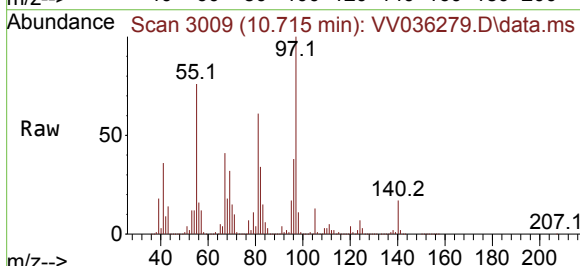
Acq: 25 Jun 2024 18:42

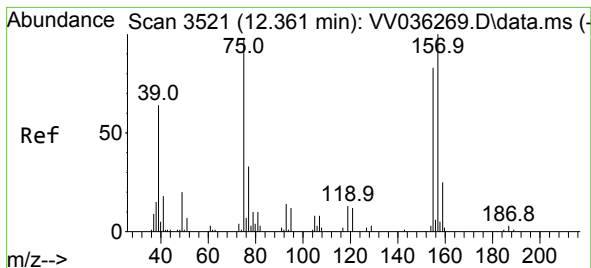
Tgt Ion:105 Resp: 2270190

Ion Ratio Lower Upper

105 100

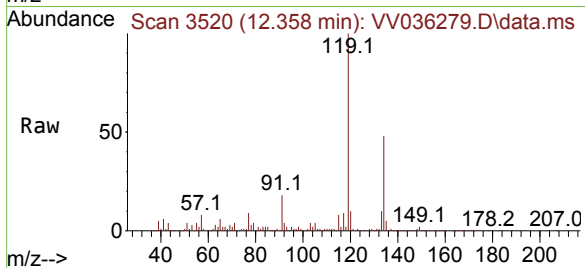
120 31.0 36.2 54.4#



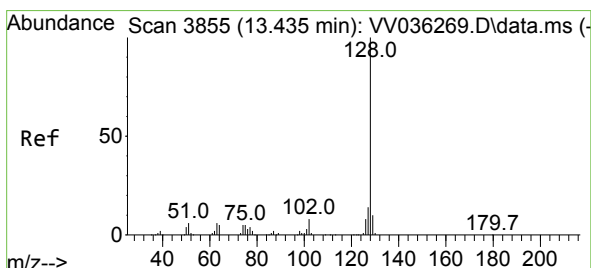
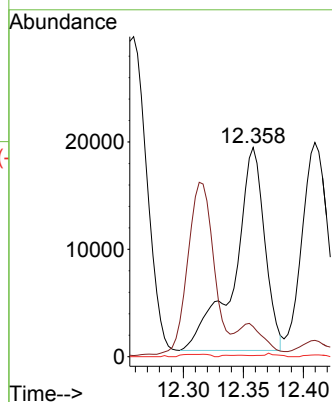
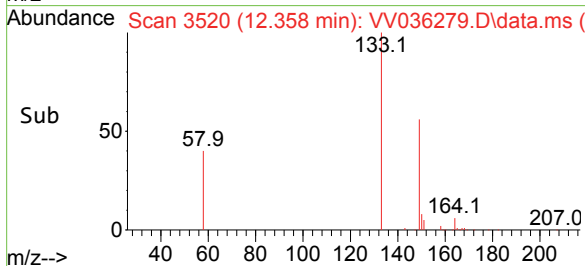


#68
1,2-Dibromo-3-chloropropane
Concen: 15.994 ug/L
RT: 12.358 min Scan# 3520
Delta R.T. -0.003 min
Lab File: VV036279.D
Acq: 25 Jun 2024 18:42

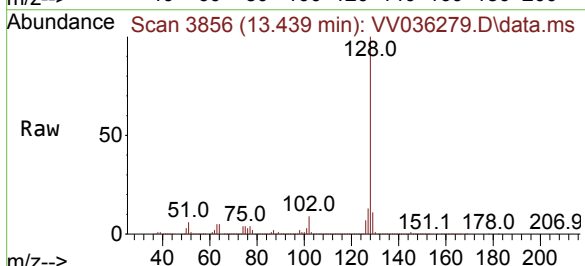
Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 75 Resp: 33275
Ion Ratio Lower Upper
75 100
155 14.4 63.3 94.9#
157 0.5 82.4 123.6#



#71
Naphthalene
Concen: 116.940 ug/L
RT: 13.439 min Scan# 3856
Delta R.T. 0.003 min
Lab File: VV036279.D
Acq: 25 Jun 2024 18:42



Tgt Ion:128 Resp: 2979057
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 11.2 8.8 13.2

