

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052424\
 Data File : VV035779.D
 Acq On : 25 May 2024 03:36
 Operator : SY/MD
 Sample : P2570-22
 Misc : 6.35g/10.0mL/MSVOA_V/SOIL/VIAL B
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 25 05:09:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 25 02:41:55 2024
 Response via : Initial Calibration

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

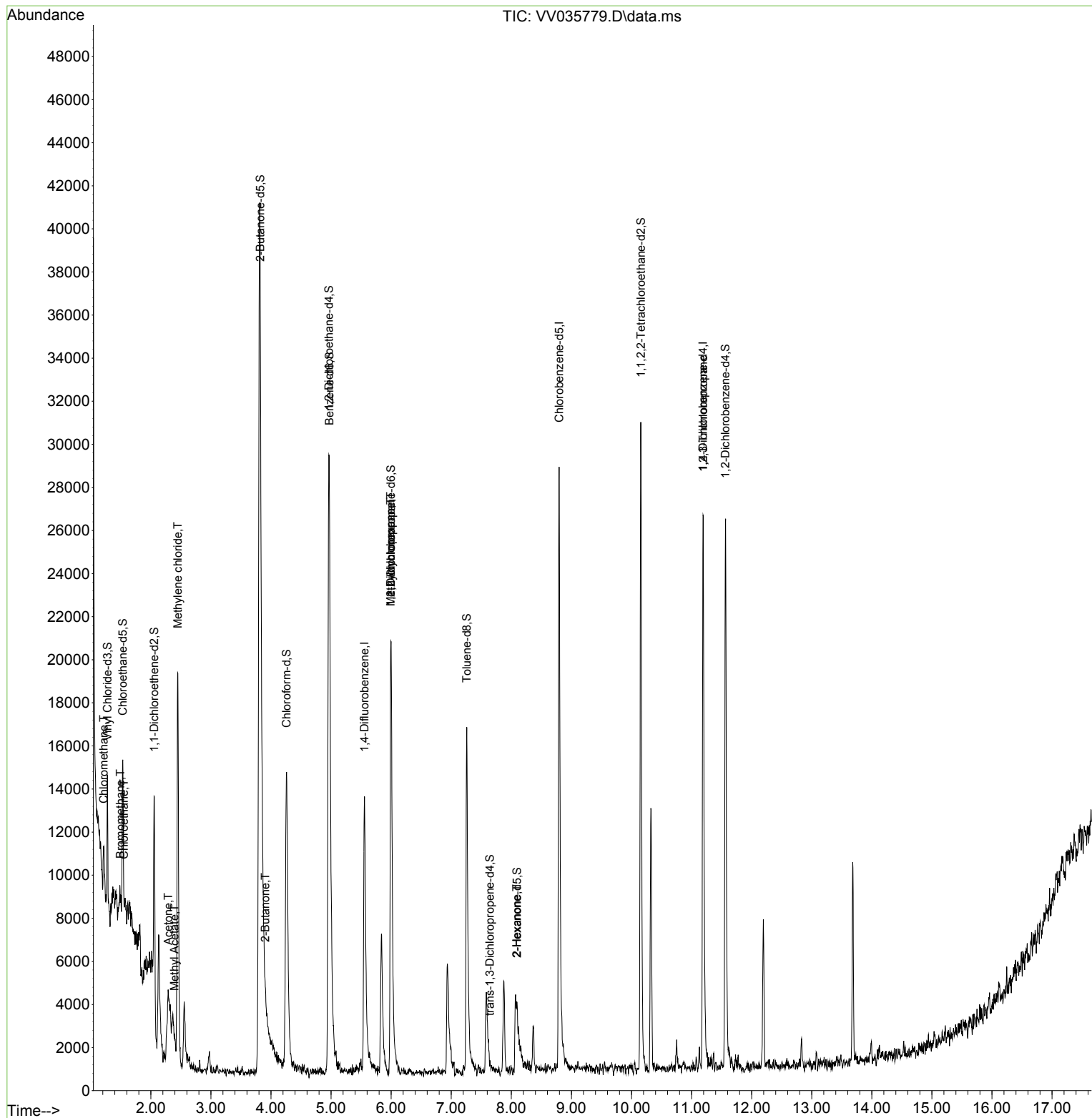
Internal Standards						
1) 1,4-Difluorobenzene	5.555	114	14831	25.000	ug/L	0.02
28) Chlorobenzene-d5	8.796	117	19128	25.000	ug/L	0.01
58) 1,4-Dichlorobenzene-d4	11.191	152	8513	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	3859	16.835	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.320%
7) Chloroethane-d5	1.532	69	4920	26.605	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.400%
11) 1,1-Dichloroethene-d2	2.057	65	1787	17.609	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.440%
21) 2-Butanone-d5	3.822	46	282	4.335	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	8.660%#
24) Chloroform-d	4.259	84	16837	38.186	ug/L	0.01
Spiked Amount	25.000	Range	40 - 150	Recovery	=	152.760%#
26) 1,2-Dichloroethane-d4	4.963	65	15979	73.307	ug/L	0.02
Spiked Amount	25.000	Range	70 - 130	Recovery	=	293.240%#
32) Benzene-d6	4.970	84	21277	20.321	ug/L	0.01
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.280%
36) 1,2-Dichloropropane-d6	5.995	67	11695	36.193	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	144.760%#
41) Toluene-d8	7.259	98	14047	15.074	ug/L	0.02
Spiked Amount	25.000	Range	30 - 130	Recovery	=	60.280%
43) trans-1,3-Dichloroprop...	7.645	79	150	1.085	ug/L	0.09
Spiked Amount	25.000	Range	30 - 135	Recovery	=	4.360%#
47) 2-Hexanone-d5	8.095	63	104	1.790	ug/L	0.06
Spiked Amount	50.000	Range	20 - 135	Recovery	=	3.580%#
56) 1,1,2,2-Tetrachloroeth...	10.156	84	16663	53.515	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	214.040%#
66) 1,2-Dichlorobenzene-d4	11.564	152	8036	27.200	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.800%
Target Compounds						Qvalue
3) Chloromethane	1.214	50	860	2.841	ug/L	96
6) Bromomethane	1.491	94	482	2.434	ug/L	88
8) Chloroethane	1.552	64	98	0.508	ug/L #	80
13) Acetone	2.288	43	544	5.713	ug/L	91
15) Methyl Acetate	2.391	43	124	0.859	ug/L #	52
16) Methylene chloride	2.449	84	7970	23.304	ug/L	94
22) 2-Butanone	3.905	43	95	1.074	ug/L #	51
35) Methylcyclohexane	5.992	83	2981	5.483	ug/L #	21
37) 1,2-Dichloropropane	5.992	63	1062	3.215	ug/L #	86
48) 2-Hexanone	8.092	43	360	2.427	ug/L #	34
61) 1,2,3-Trichloropropane	11.194	75	842	4.221	ug/L #	39

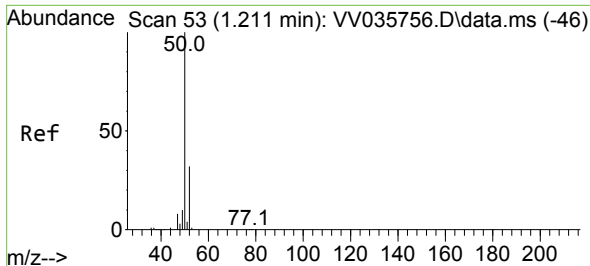
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 50 Sample Multiplier: 1

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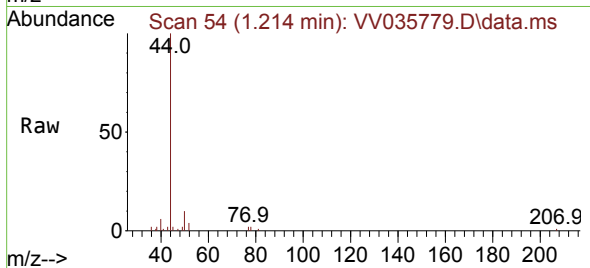
Quant Time: May 25 05:09:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis
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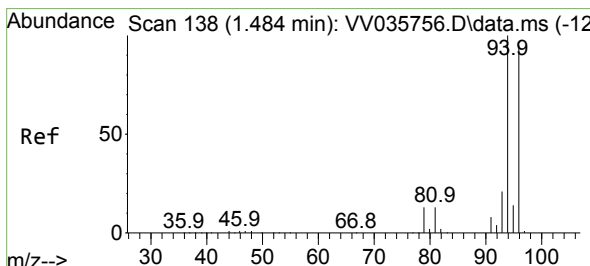
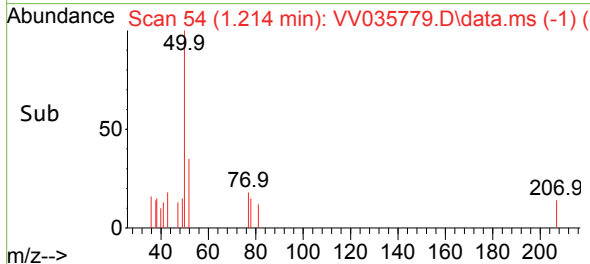
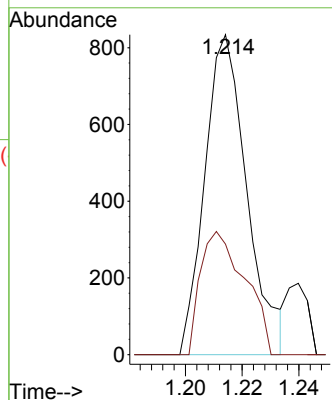


#3
Chloromethane
Concen: 2.841 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.003 min
Lab File: VV035779.D
Acq: 25 May 2024 03:36

Instrument :
MSVOA_V
ClientSampleId :

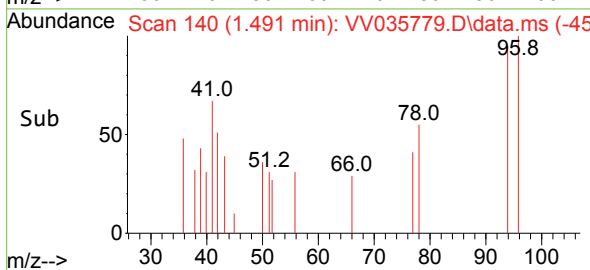
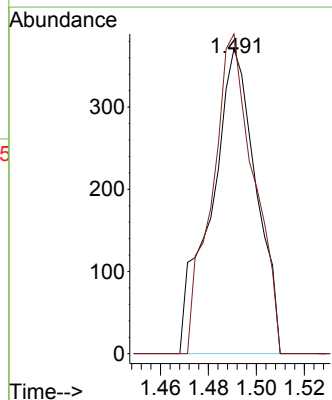
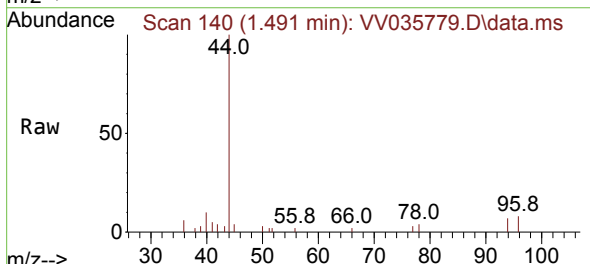


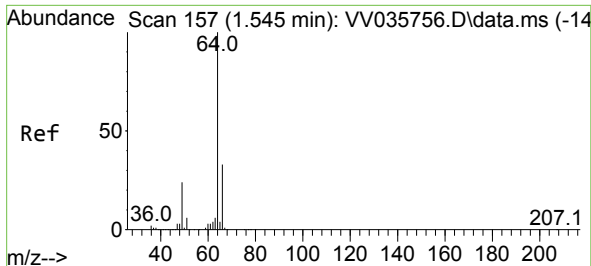
Tgt Ion: 50 Resp: 860
Ion Ratio Lower Upper
50 100
52 34.5 22.7 42.1



#6
Bromomethane
Concen: 2.434 ug/L
RT: 1.491 min Scan# 140
Delta R.T. 0.007 min
Lab File: VV035779.D
Acq: 25 May 2024 03:36

Tgt Ion: 94 Resp: 482
Ion Ratio Lower Upper
94 100
96 104.9 65.2 121.0

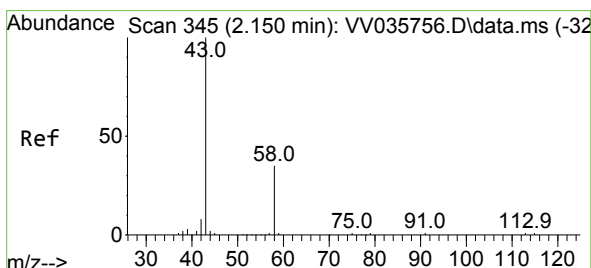
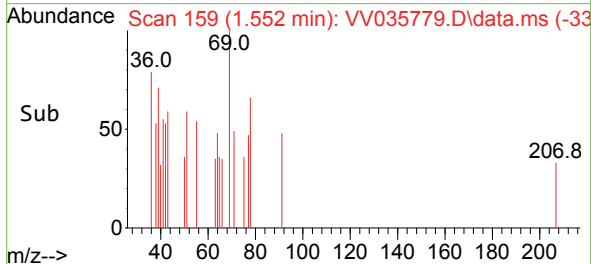
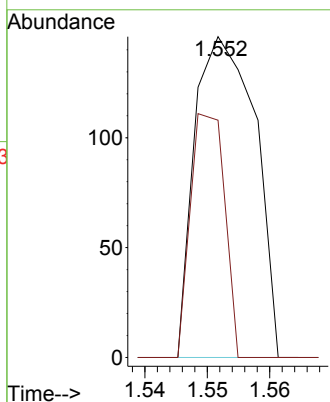
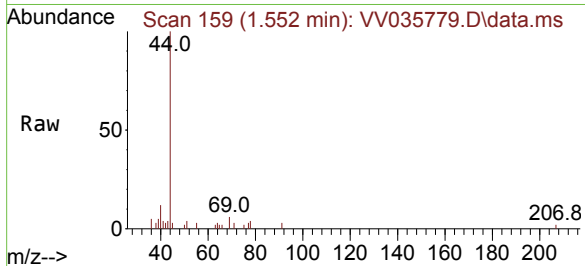




#8
Chloroethane
Concen: 0.508 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.007 min
Lab File: VV035779.D
Acq: 25 May 2024 03:36

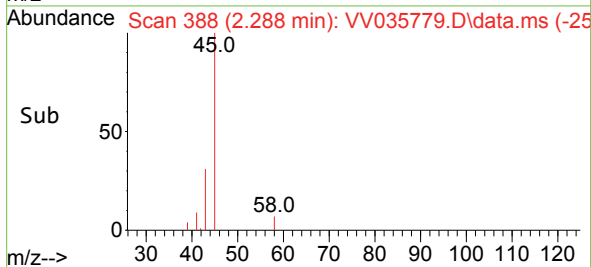
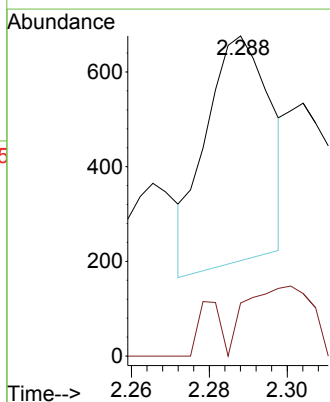
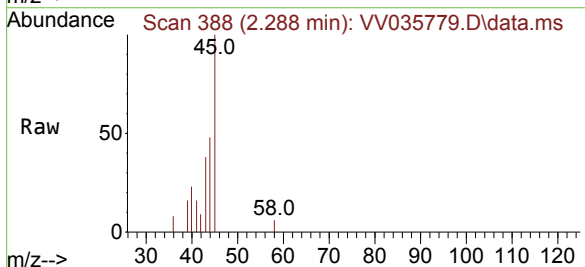
Instrument :
MSVOA_V
ClientSampleId :

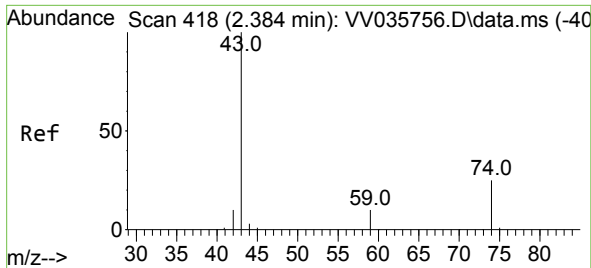
Tgt Ion: 64 Resp: 98
Ion Ratio Lower Upper
64 100
66 42.2 22.0 40.8#



#13
Acetone
Concen: 5.713 ug/L
RT: 2.288 min Scan# 388
Delta R.T. 0.138 min
Lab File: VV035779.D
Acq: 25 May 2024 03:36

Tgt Ion: 43 Resp: 544
Ion Ratio Lower Upper
43 100
58 8.1 0.0 22.8





#15

Methyl Acetate

Concen: 0.859 ug/L

RT: 2.391 min Scan# 41

Delta R.T. 0.007 min

Lab File: VV035779.D

Acq: 25 May 2024 03:36

Instrument :

MSVOA_V

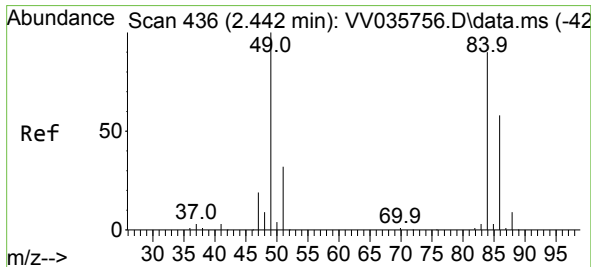
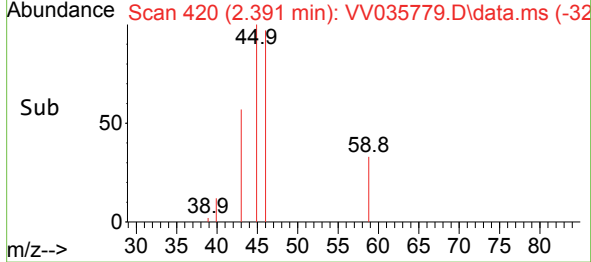
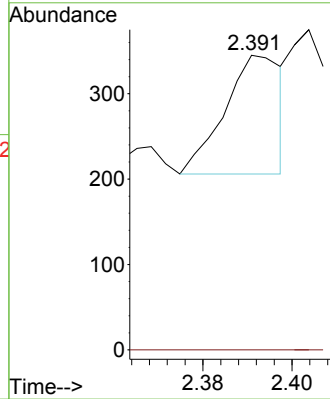
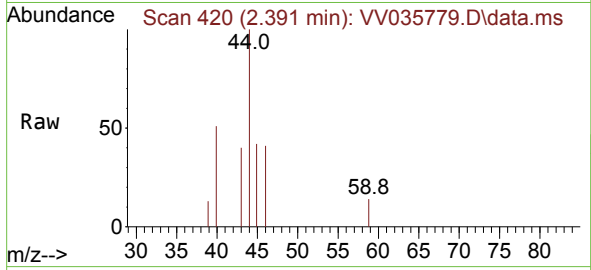
ClientSampleId :

Tgt Ion: 43 Resp: 124

Ion Ratio Lower Upper

43 100

74 0.0 18.6 27.8#



#16

Methylene chloride

Concen: 23.304 ug/L

RT: 2.449 min Scan# 438

Delta R.T. 0.007 min

Lab File: VV035779.D

Acq: 25 May 2024 03:36

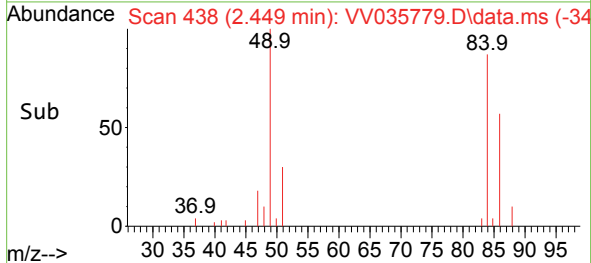
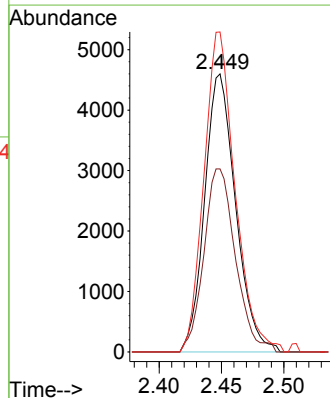
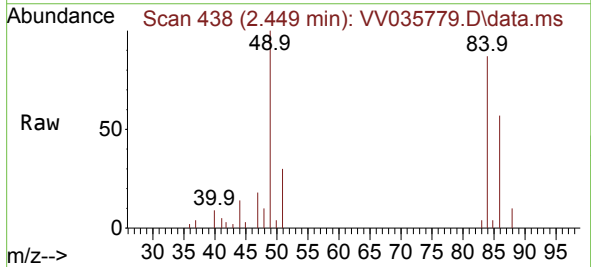
Tgt Ion: 84 Resp: 7970

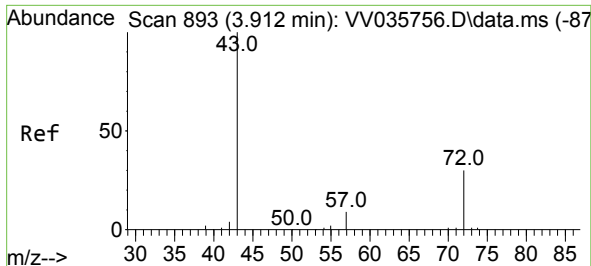
Ion Ratio Lower Upper

84 100

86 65.8 43.8 81.3

49 115.1 75.3 139.9

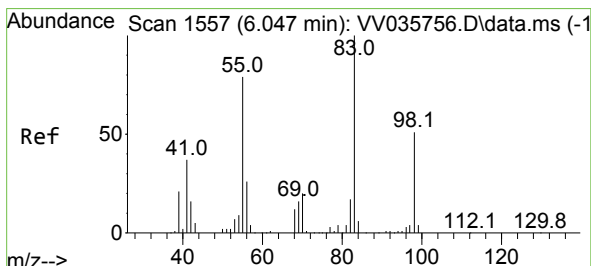
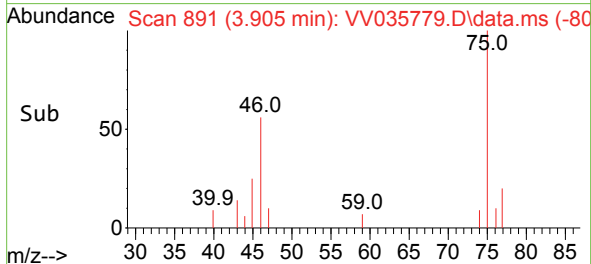
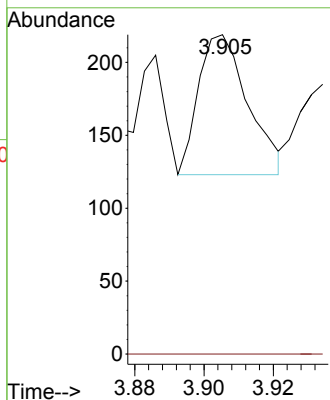
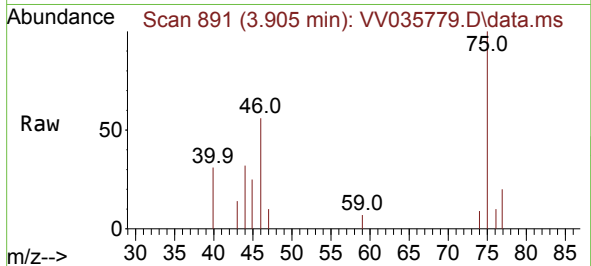




#22
2-Butanone
Concen: 1.074 ug/L
RT: 3.905 min Scan# 891
Delta R.T. -0.006 min
Lab File: VV035779.D
Acq: 25 May 2024 03:36

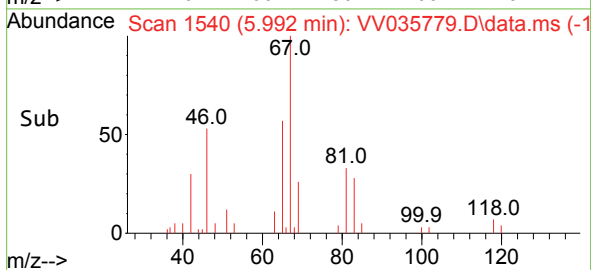
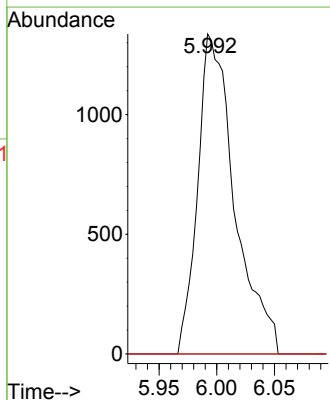
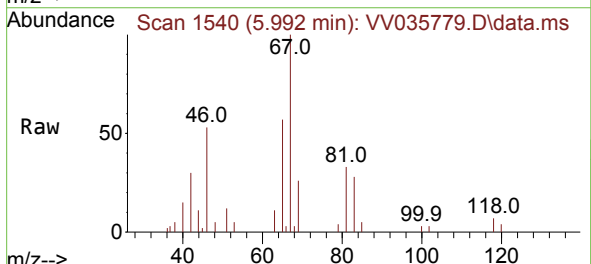
Instrument :
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ClientSampleId :

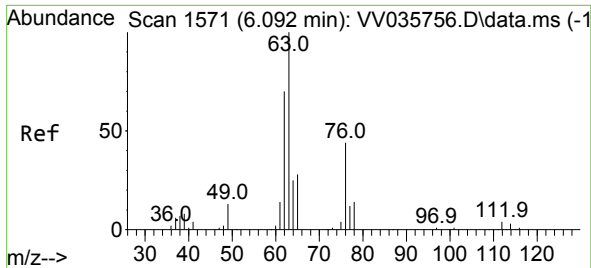
Tgt Ion: 43 Resp: 95
Ion Ratio Lower Upper
43 100
72 0.0 12.3 36.9#



#35
Methylcyclohexane
Concen: 5.483 ug/L
RT: 5.992 min Scan# 1540
Delta R.T. -0.055 min
Lab File: VV035779.D
Acq: 25 May 2024 03:36

Tgt Ion: 83 Resp: 2981
Ion Ratio Lower Upper
83 100
55 0.0 57.5 86.3#
98 1.7 38.6 58.0#

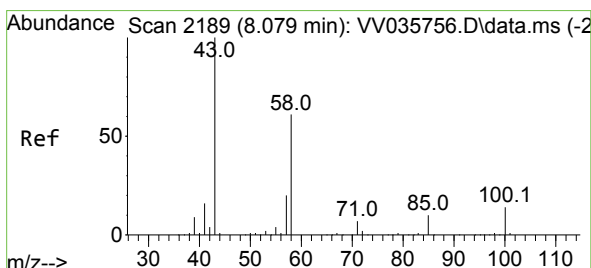
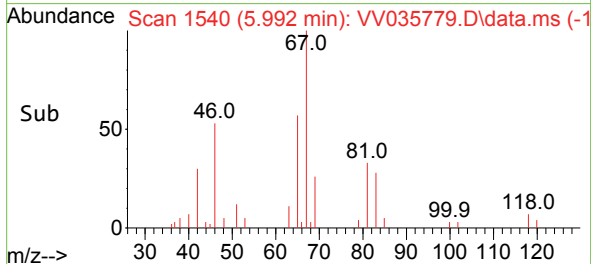
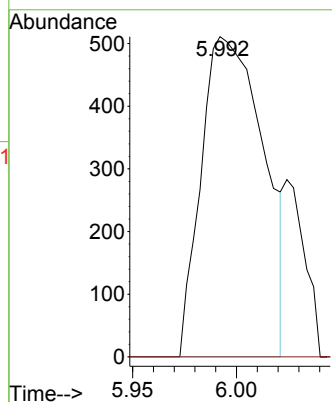
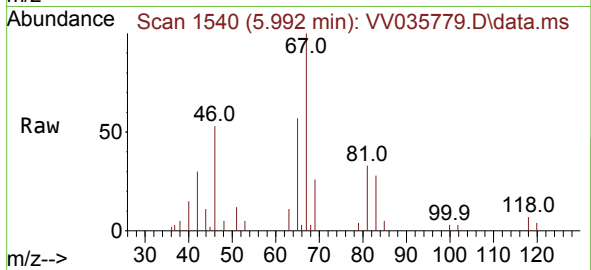




#37
1,2-Dichloropropane
Concen: 3.215 ug/L
RT: 5.992 min Scan# 11
Delta R.T. -0.100 min
Lab File: VV035779.D
Acq: 25 May 2024 03:36

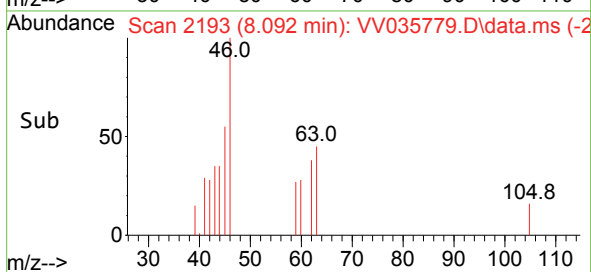
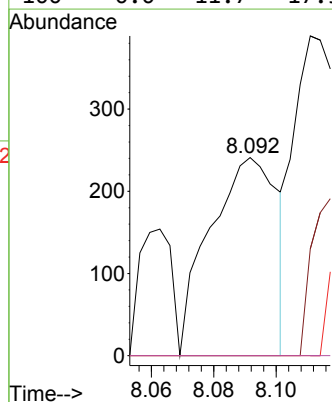
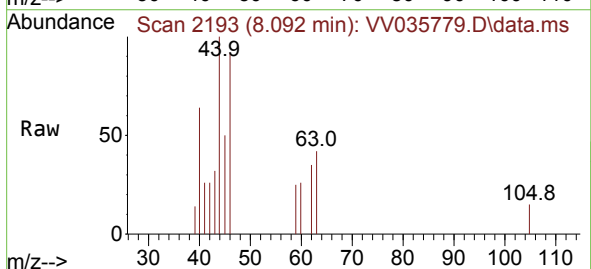
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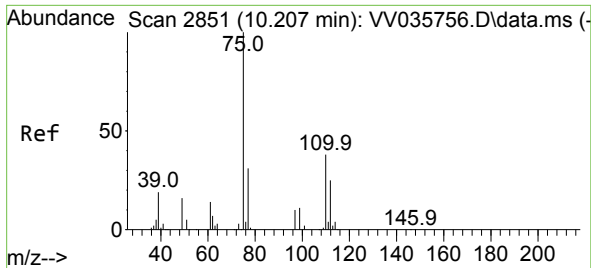
Tgt Ion: 63 Resp: 1062
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



#48
2-Hexanone
Concen: 2.427 ug/L
RT: 8.092 min Scan# 2193
Delta R.T. 0.013 min
Lab File: VV035779.D
Acq: 25 May 2024 03:36

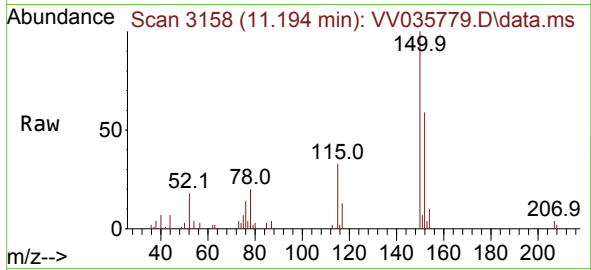
Tgt Ion: 43 Resp: 360
Ion Ratio Lower Upper
43 100
58 0.0 48.8 73.2#
57 0.0 16.9 25.3#
100 0.0 11.7 17.5#





#61
 1,2,3-Trichloropropane
 Concen: 4.221 ug/L
 RT: 11.194 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VV035779.D
 Acq: 25 May 2024 03:36

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	75	Resp:	842
Ion	Ratio	Lower	Upper
75	100		
77	63.8	25.7	38.5#
110	0.0	31.8	47.8#

