

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052424\
 Data File : VV035763.D
 Acq On : 24 May 2024 21:29
 Operator : SY/MD
 Sample : P2589-07
 Misc : 6.29g/10.0mL/MSVOA_V/SOIL/VIAL A
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 25 02:47:47 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)

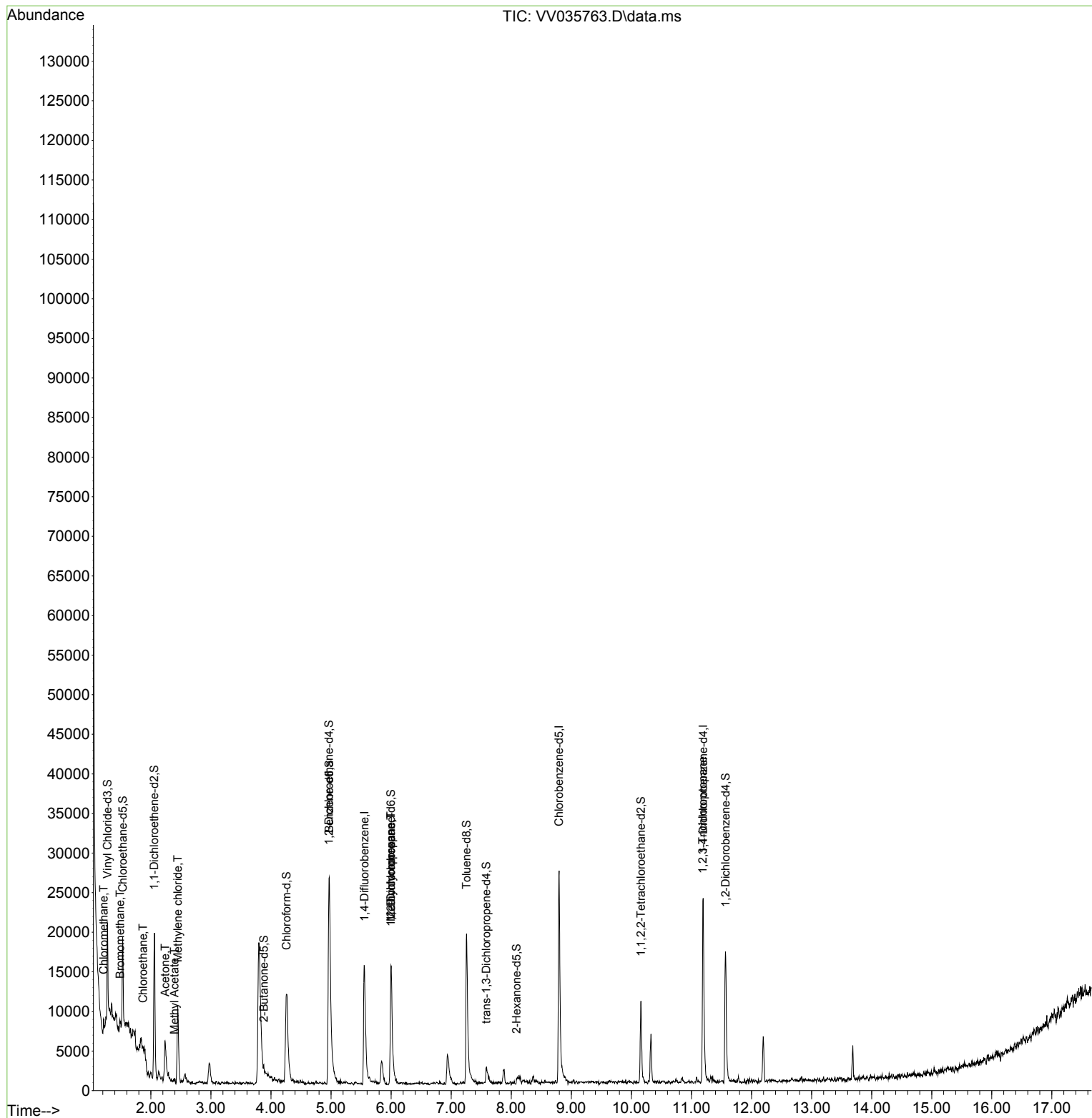
Internal Standards						
1) 1,4-Difluorobenzene	5.555	114	15942	25.000	ug/L	0.02
28) Chlorobenzene-d5	8.796	117	19126	25.000	ug/L	0.01
58) 1,4-Dichlorobenzene-d4	11.194	152	7267	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	8087	32.820	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	131.280%
7) Chloroethane-d5	1.532	69	7403	37.242	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	148.960%
11) 1,1-Dichloroethene-d2	2.056	65	3369	30.884	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	123.520%#
21) 2-Butanone-d5	3.883	46	263	3.761	ug/L	0.04
Spiked Amount	50.000	Range	20 - 135	Recovery	=	7.520%#
24) Chloroform-d	4.256	84	14501	30.596	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	122.400%
26) 1,2-Dichloroethane-d4	4.963	65	8975	38.305	ug/L	0.02
Spiked Amount	25.000	Range	70 - 130	Recovery	=	153.240%#
32) Benzene-d6	4.969	84	23899	22.827	ug/L	0.01
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.320%
36) 1,2-Dichloropropane-d6	5.998	67	9645	29.852	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	119.400%
41) Toluene-d8	7.255	98	16529	17.739	ug/L	0.02
Spiked Amount	25.000	Range	30 - 130	Recovery	=	70.960%
43) trans-1,3-Dichloroprop...	7.583	79	1835	13.280	ug/L	0.03
Spiked Amount	25.000	Range	30 - 135	Recovery	=	53.120%
47) 2-Hexanone-d5	8.088	63	110	1.893	ug/L	0.06
Spiked Amount	50.000	Range	20 - 135	Recovery	=	3.780%#
56) 1,1,2,2-Tetrachloroeth...	10.159	84	5729	18.401	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	73.600%
66) 1,2-Dichlorobenzene-d4	11.567	152	5351	21.217	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.880%
Target Compounds						
3) Chloromethane	1.214	50	1045	3.211	ug/L	88
6) Bromomethane	1.487	94	471	2.213	ug/L #	46
8) Chloroethane	1.867	64	289	1.395	ug/L	90
13) Acetone	2.236	43	1471	14.371	ug/L	88
15) Methyl Acetate	2.391	43	106	0.683	ug/L #	52
16) Methylene chloride	2.449	84	4186	11.387	ug/L	93
35) Methylcyclohexane	5.998	83	1443	2.654	ug/L #	36
37) 1,2-Dichloropropane	5.995	63	571	1.729	ug/L #	86
61) 1,2,3-Trichloropropane	11.188	75	523	3.071	ug/L #	22

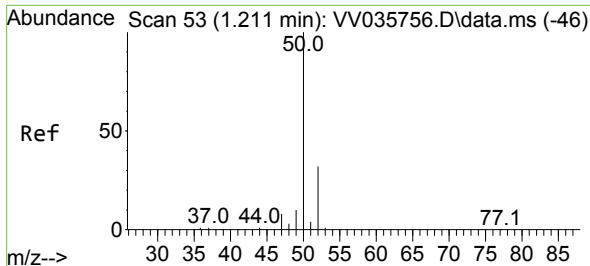
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat May 25 02:41:55 2024
Response via : Initial Calibration

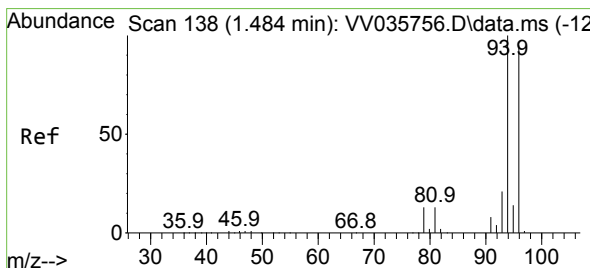
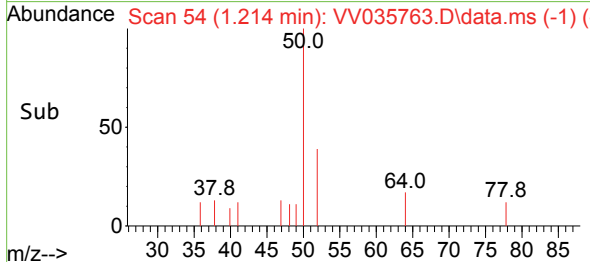
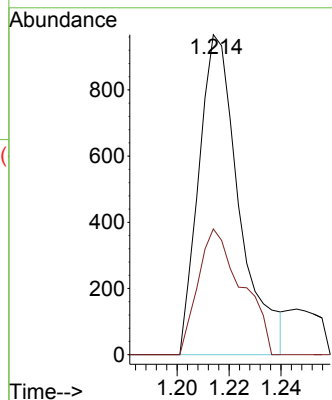
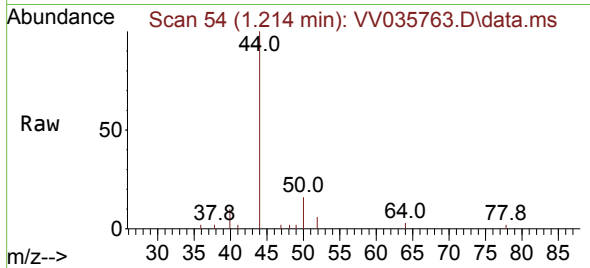




#3
Chloromethane
Concen: 3.211 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.003 min
Lab File: VV035763.D
Acq: 24 May 2024 21:29

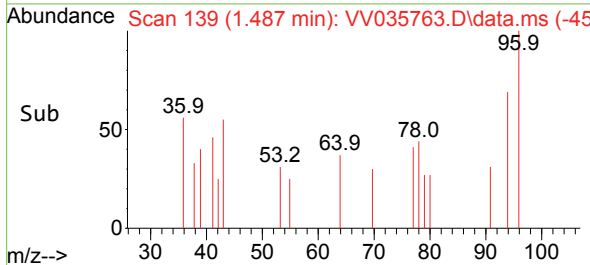
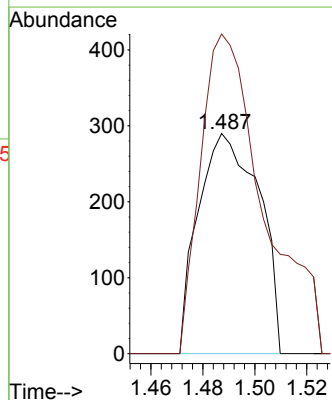
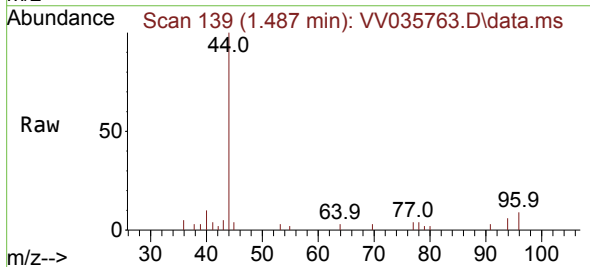
Instrument :
MSVOA_V
ClientSampleId :

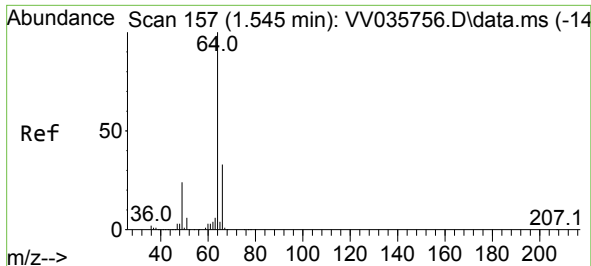
Tgt Ion: 50 Resp: 1045
Ion Ratio Lower Upper
50 100
52 39.3 22.7 42.1



#6
Bromomethane
Concen: 2.213 ug/L
RT: 1.487 min Scan# 139
Delta R.T. 0.003 min
Lab File: VV035763.D
Acq: 24 May 2024 21:29

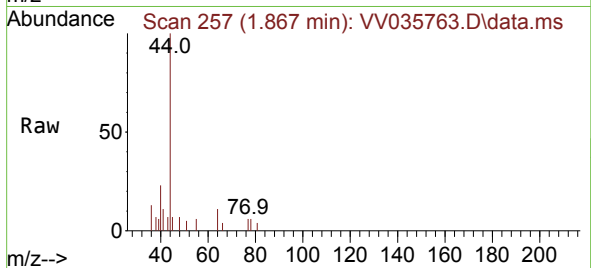
Tgt Ion: 94 Resp: 471
Ion Ratio Lower Upper
94 100
96 145.2 65.2 121.0#



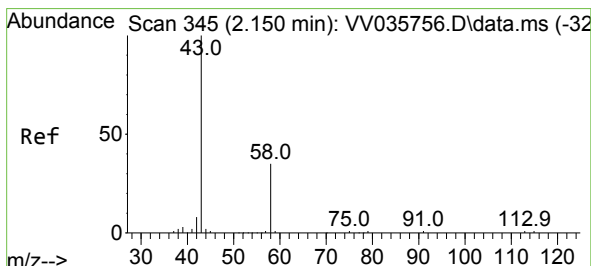
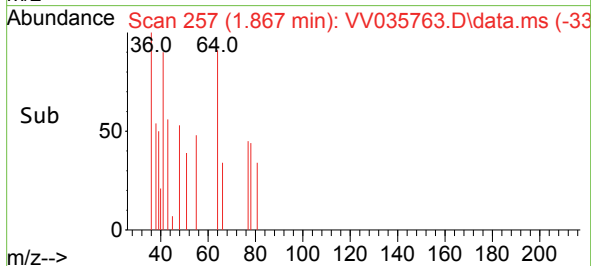
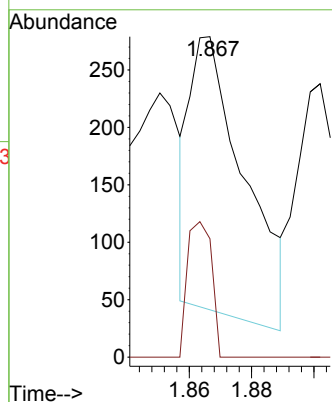


#8
Chloroethane
Concen: 1.395 ug/L
RT: 1.867 min Scan# 21
Delta R.T. 0.321 min
Lab File: VV035763.D
Acq: 24 May 2024 21:29

Instrument :
MSVOA_V
ClientSampleId :

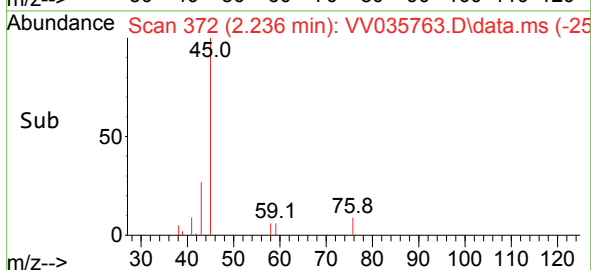
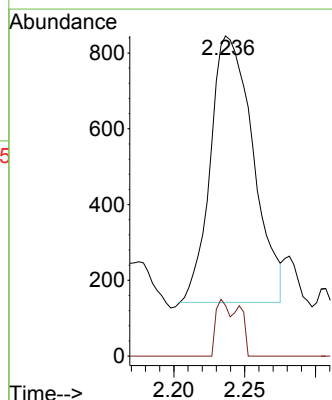
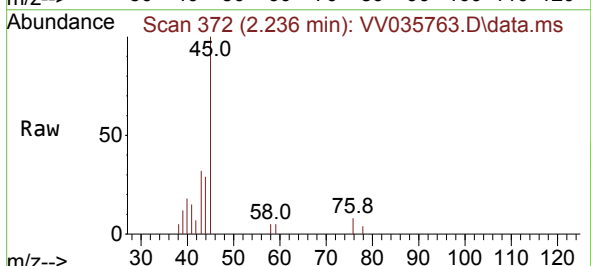


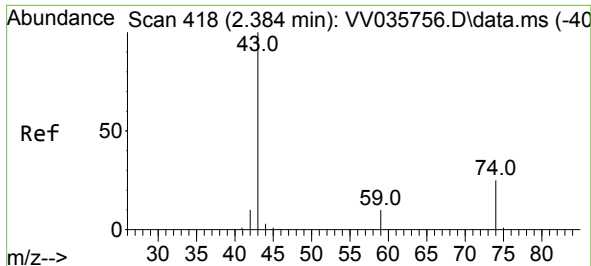
Tgt Ion: 64 Resp: 289
Ion Ratio Lower Upper
64 100
66 36.9 22.0 40.8



#13
Acetone
Concen: 14.371 ug/L
RT: 2.236 min Scan# 372
Delta R.T. 0.087 min
Lab File: VV035763.D
Acq: 24 May 2024 21:29

Tgt Ion: 43 Resp: 1471
Ion Ratio Lower Upper
43 100
58 6.7 0.0 22.8

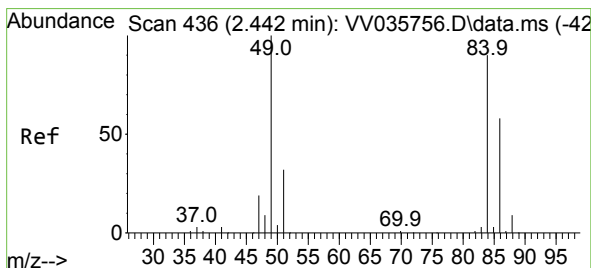
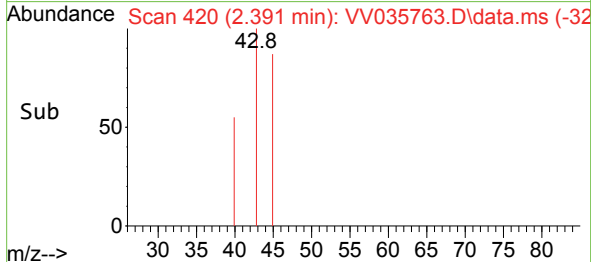
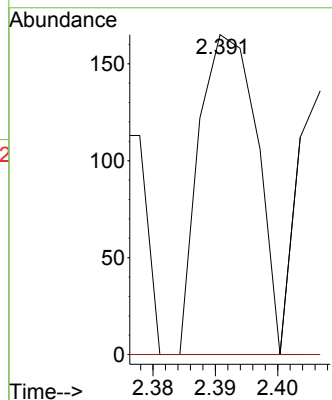
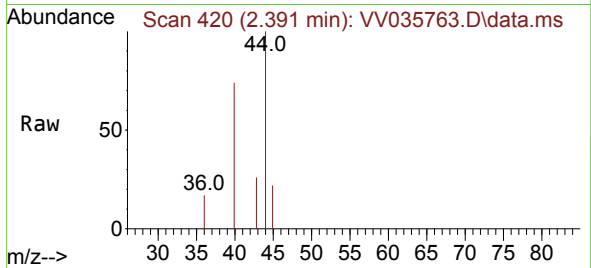




#15
Methyl Acetate
Concen: 0.683 ug/L
RT: 2.391 min Scan# 418
Delta R.T. 0.006 min
Lab File: VV035763.D
Acq: 24 May 2024 21:29

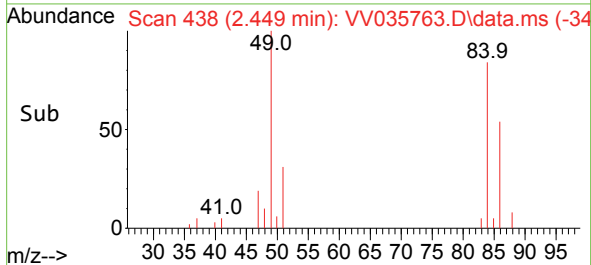
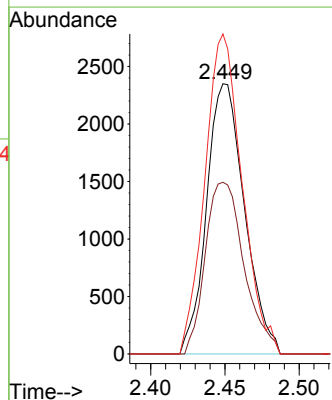
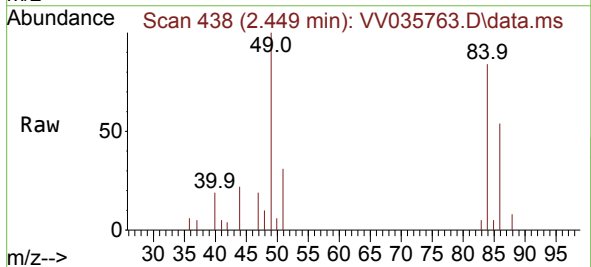
Instrument :
MSVOA_V
ClientSampleId :

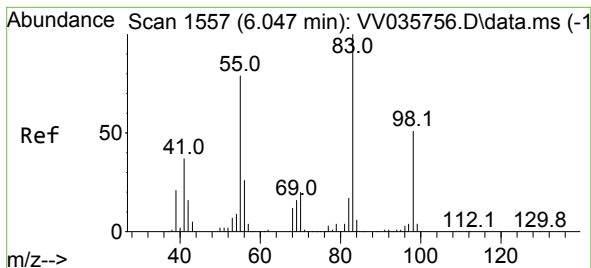
Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



#16
Methylene chloride
Concen: 11.387 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.006 min
Lab File: VV035763.D
Acq: 24 May 2024 21:29

Tgt Ion: 84 Resp: 4186
Ion Ratio Lower Upper
84 100
86 63.5 43.8 81.3
49 118.4 75.3 139.9





#35

Methylcyclohexane

Concen: 2.654 ug/L

RT: 5.998 min Scan# 1

Delta R.T. -0.048 min

Lab File: VV035763.D

Acq: 24 May 2024 21:29

Instrument :

MSVOA_V

ClientSampleId :

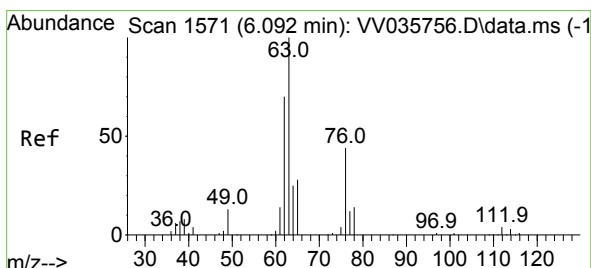
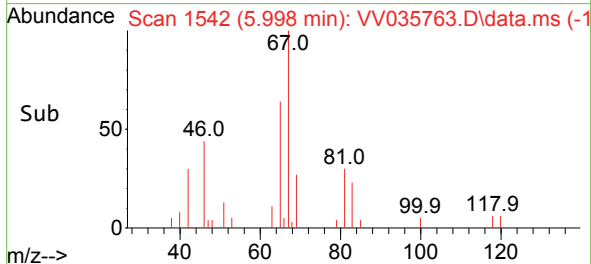
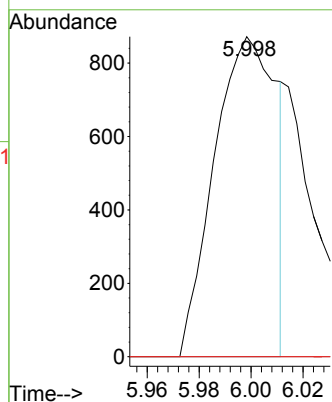
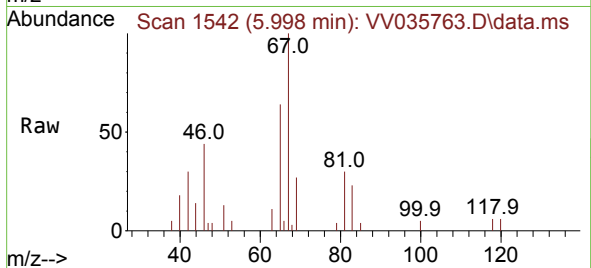
Tgt Ion: 83 Resp: 1443

Ion Ratio Lower Upper

83 100

55 0.0 57.5 86.3#

98 68.3 38.6 58.0#



#37

1,2-Dichloropropane

Concen: 1.729 ug/L

RT: 5.995 min Scan# 1541

Delta R.T. -0.097 min

Lab File: VV035763.D

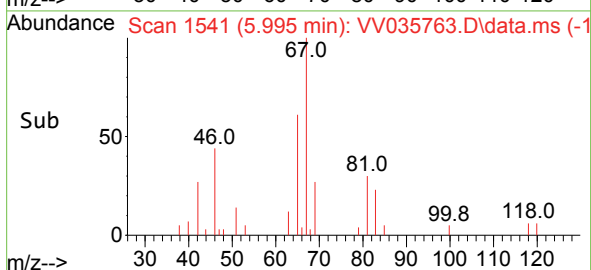
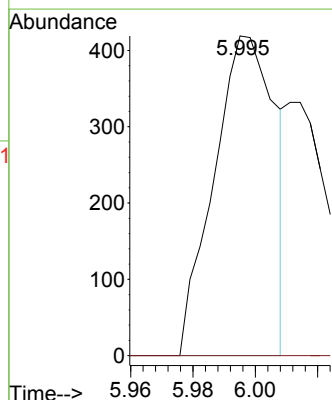
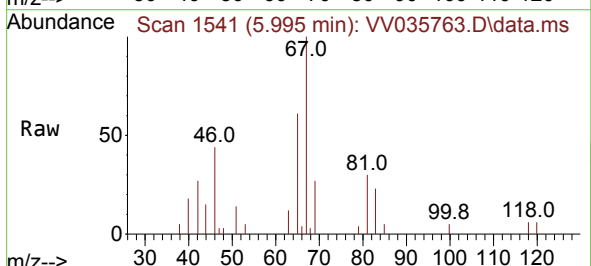
Acq: 24 May 2024 21:29

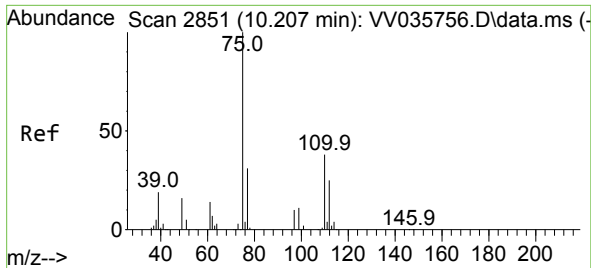
Tgt Ion: 63 Resp: 571

Ion Ratio Lower Upper

63 100

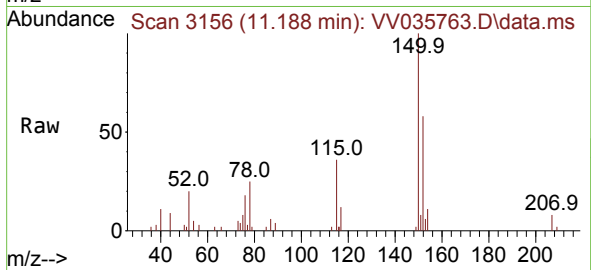
112 0.0 3.8 5.6#





#61
1,2,3-Trichloropropane
Concen: 3.071 ug/L
RT: 11.188 min Scan# 31
Delta R.T. 0.981 min
Lab File: VV035763.D
Acq: 24 May 2024 21:29

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ClientSampleId :



Tgt Ion:	75	Resp:	523
Ion	Ratio	Lower	Upper
75	100		
77	84.9	25.7	38.5#
110	0.0	31.8	47.8#

