

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100522\
 Data File : VW028372.D
 Acq On : 05 Oct 2022 16:38
 Operator : SY/MD
 Sample : N4866-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 06 02:33:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 04 02:28:45 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	117500	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	122440	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	57883	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	38313	4.340	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	86.800%	
7) Chloroethane-d5	1.564	69	32740	4.381	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	87.600%	
11) 1,1-Dichloroethene-d2	2.104	63	47941	2.881	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	57.600%#	
20) 2-Butanone-d5	3.902	46	173012	115.821	ug/L	0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	231.640%#	
24) Chloroform-d	4.346	84	79717	4.984	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	99.600%	
26) 1,2-Dichloroethane-d4	5.030	65	44920	6.058	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	121.200%	
32) Benzene-d6	5.046	84	154913	4.612	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	92.200%	
36) 1,2-Dichloropropane-d6	6.066	67	53334	5.535	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	110.800%	
41) Toluene-d8	7.313	98	118399	3.833	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	76.600%	
43) trans-1,3-Dichloroprop...	7.625	79	18238	4.970	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	99.400%	
46) 2-Hexanone-d5	8.088	63	134711	89.686	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	179.380%#	
56) 1,1,2,2-Tetrachloroeth...	10.213	84	55112	7.546	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	151.000%#	
66) 1,2-Dichlorobenzene-d4	11.622	152	58282	5.851	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	117.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	411	0.046	ug/L #	40
5) Vinyl chloride	1.307	62	965936	95.772	ug/L	99
6) Bromomethane	1.519	94	278	0.058	ug/L	77
8) Chloroethane	1.500	64	155008	23.060	ug/L #	50
12) 1,1-Dichloroethene	2.121	96	1325	0.157	ug/L #	1
14) Carbon disulfide	2.291	76	2323	0.088	ug/L #	86
18) trans-1,2-Dichloroethene	2.760	96	5521	0.629	ug/L	85
22) cis-1,2-Dichloroethene	3.902	96	675688	76.430	ug/L	96
25) Chloroform	4.365	83	2838	0.173	ug/L	94
30) Cyclohexane	4.667	56	1875	0.144	ug/L	91
33) Benzene	5.101	78	20101	0.551	ug/L	100
35) Methylcyclohexane	6.066	83	12325	0.827	ug/L #	16
37) 1,2-Dichloropropane	6.063	63	5447	0.645	ug/L #	87
39) cis-1,3-Dichloropropene	6.989	75	1022	0.085	ug/L #	72
44) trans-1,3-Dichloropropene	7.622	75	913	0.089	ug/L	83
48) 2-Hexanone	8.088	43	14764	5.435	ug/L #	65

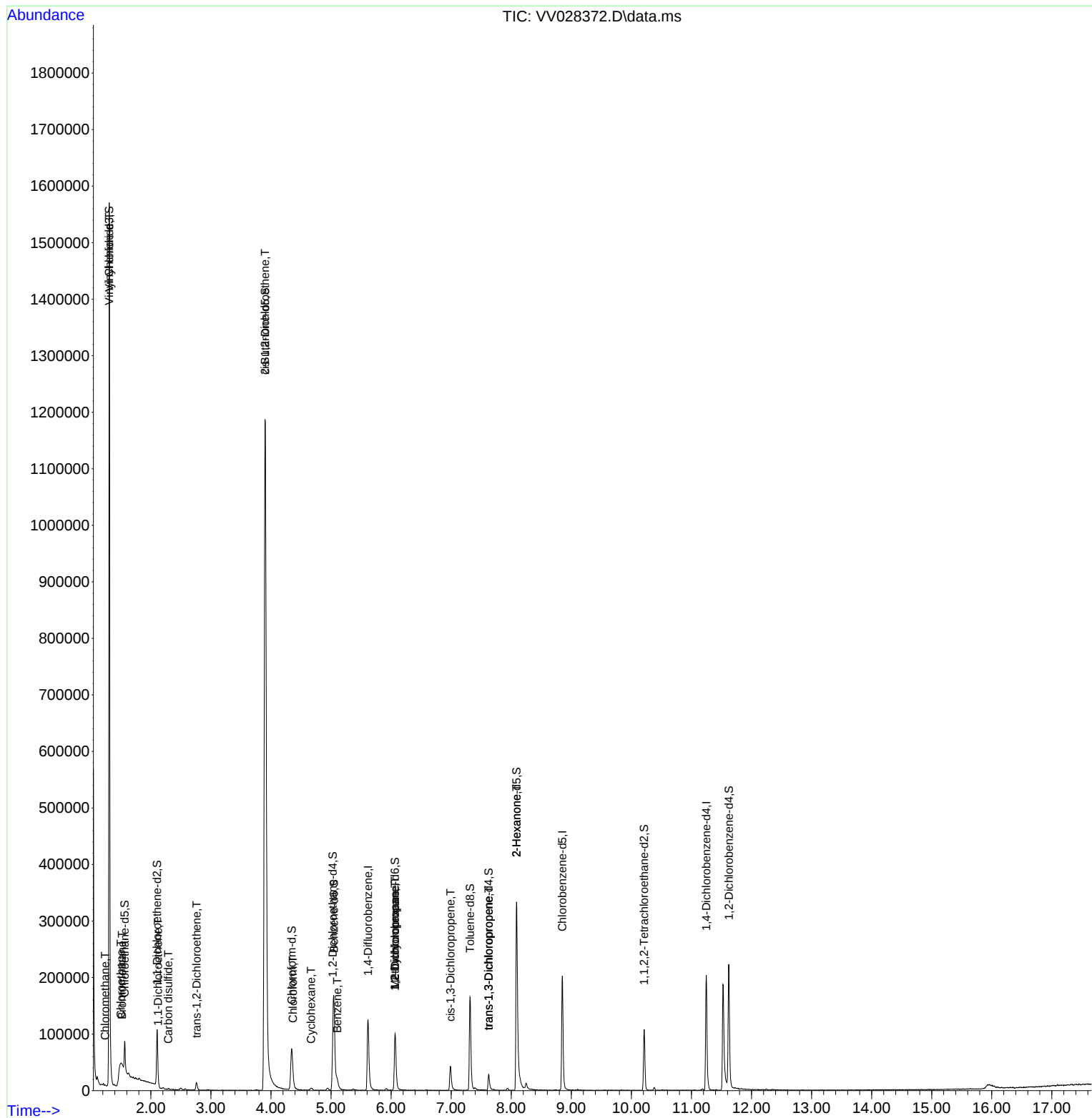
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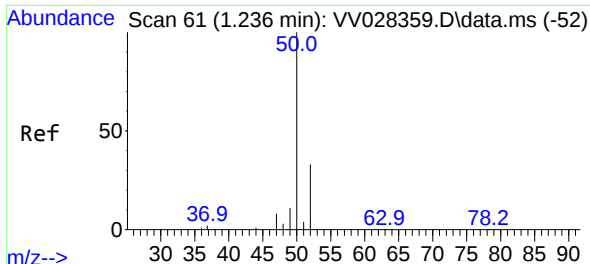
Instrument :
MSVOA_V
ClientSampleId :

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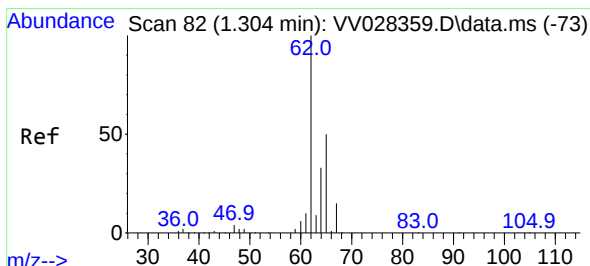
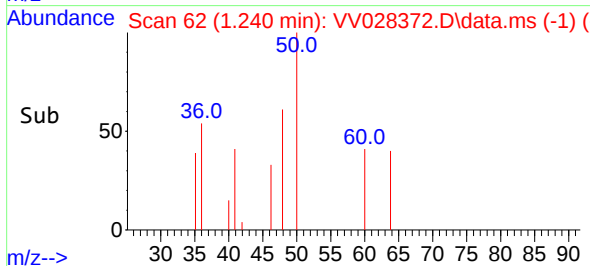
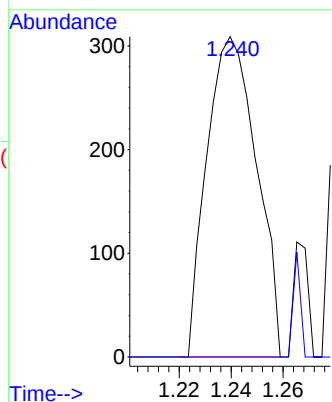
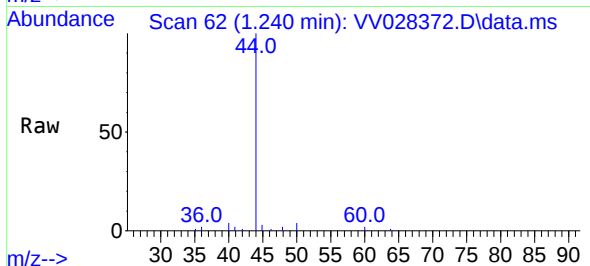




#3
Chloromethane
Concen: 0.046 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV028372.D
Acq: 05 Oct 2022 16:38

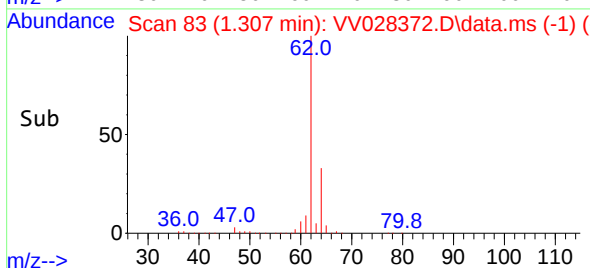
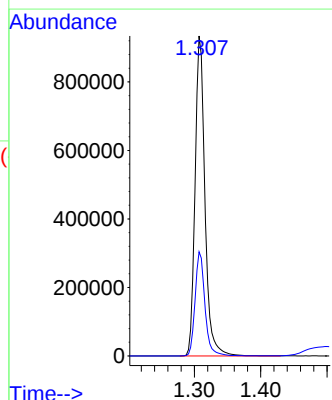
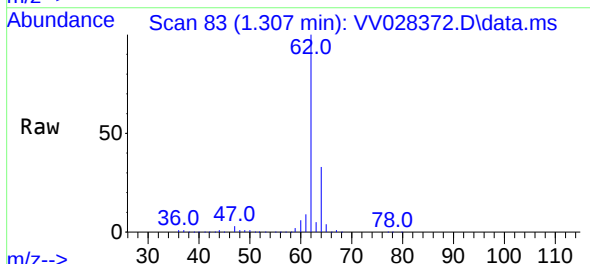
Instrument :
MSVOA_V
ClientSampleId :

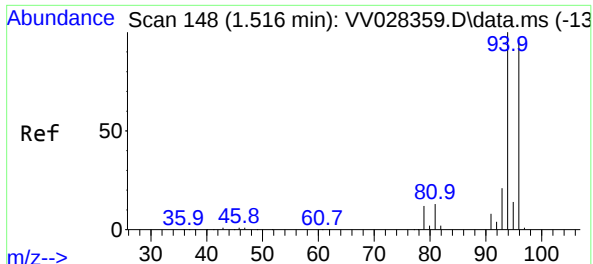
Tgt Ion: 50 Resp: 411
Ion Ratio Lower Upper
50 100
52 0.0 24.4 45.2#



#5
Vinyl chloride
Concen: 95.772 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.003 min
Lab File: VV028372.D
Acq: 05 Oct 2022 16:38

Tgt Ion: 62 Resp: 965936
Ion Ratio Lower Upper
62 100
64 32.6 23.0 42.8

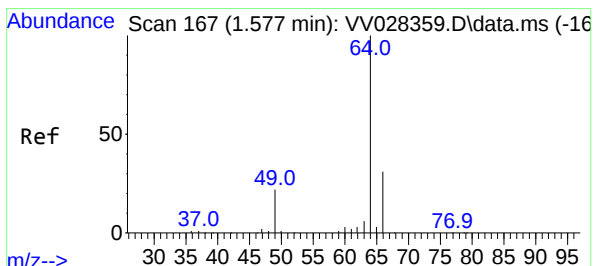
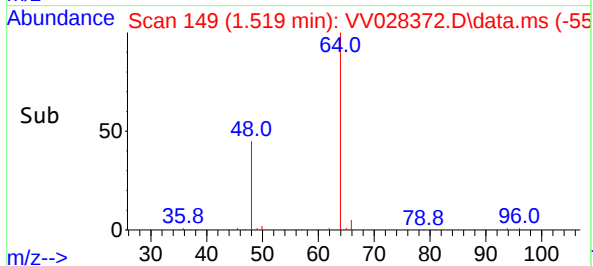
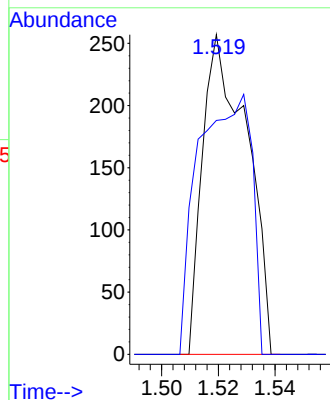
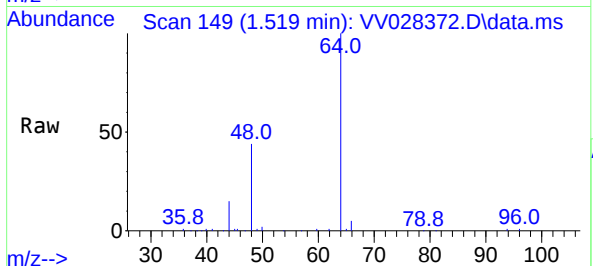




#6
Bromomethane
Concen: 0.058 ug/L
RT: 1.519 min Scan# 14
Delta R.T. 0.003 min
Lab File: VV028372.D
Acq: 05 Oct 2022 16:38

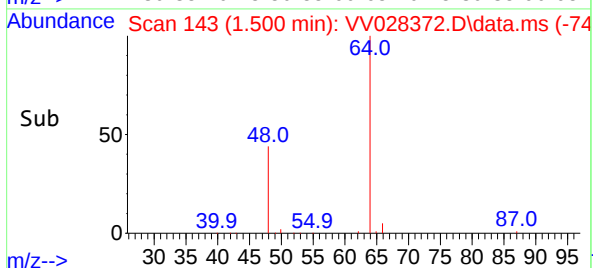
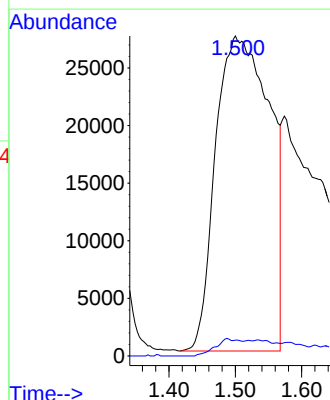
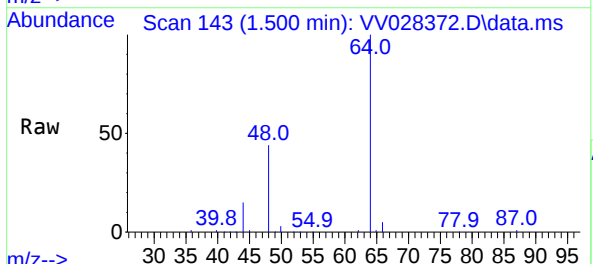
Instrument :
MSVOA_V
ClientSampleId :

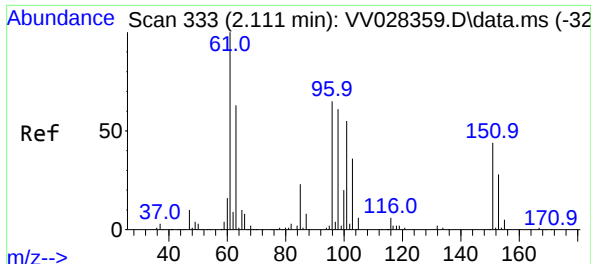
Tgt Ion: 94 Resp: 278
Ion Ratio Lower Upper
94 100
96 73.2 66.7 123.9



#8
Chloroethane
Concen: 23.060 ug/L
RT: 1.500 min Scan# 143
Delta R.T. -0.077 min
Lab File: VV028372.D
Acq: 05 Oct 2022 16:38

Tgt Ion: 64 Resp: 155008
Ion Ratio Lower Upper
64 100
66 4.9 23.0 42.8#





#12

1,1-Dichloroethene

Concen: 0.157 ug/L

RT: 2.121 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV028372.D

Acq: 05 Oct 2022 16:38

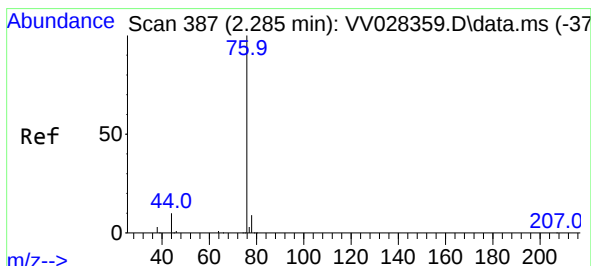
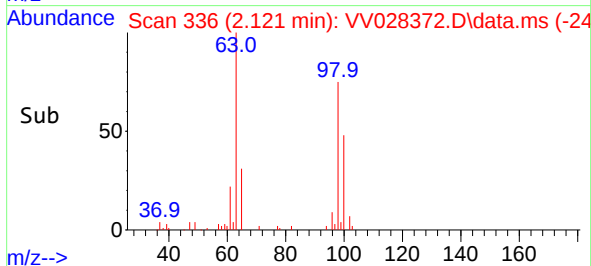
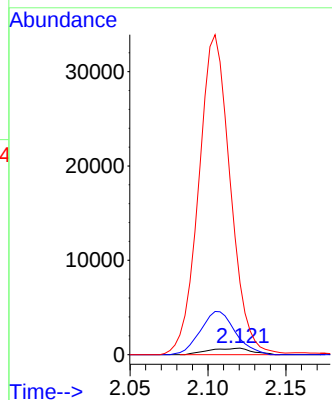
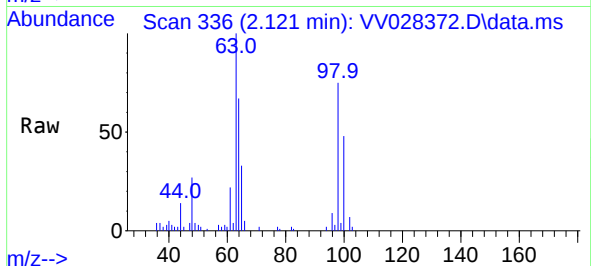
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 96 Resp: 1325

Ion	Ratio	Lower	Upper
96	100		
61	240.9	128.3	238.3#
63	1101.9	112.7	209.3#



#14

Carbon disulfide

Concen: 0.088 ug/L

RT: 2.291 min Scan# 389

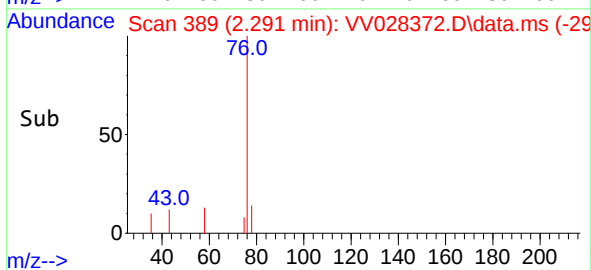
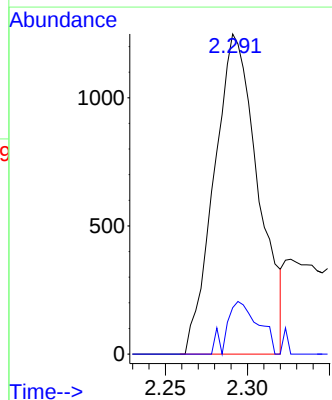
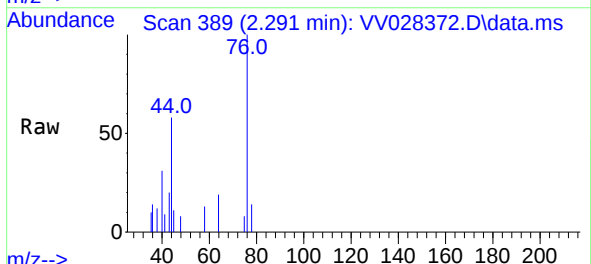
Delta R.T. 0.006 min

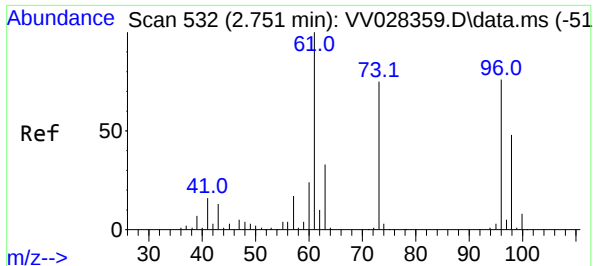
Lab File: VV028372.D

Acq: 05 Oct 2022 16:38

Tgt Ion: 76 Resp: 2323

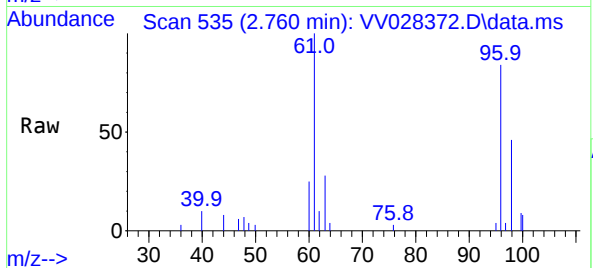
Ion	Ratio	Lower	Upper
76	100		
78	14.5	7.6	11.4#



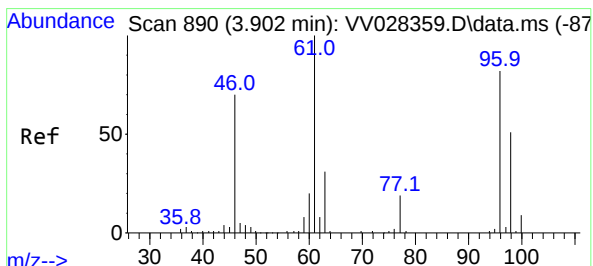
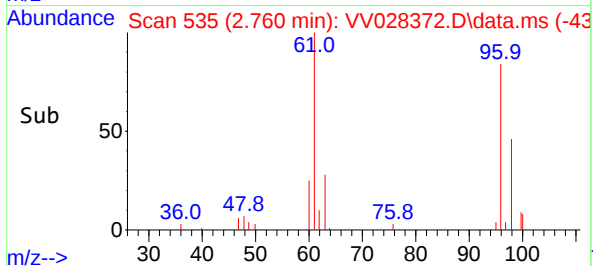
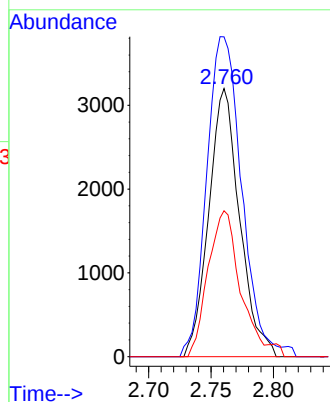


#18
trans-1,2-Dichloroethene
Concen: 0.629 ug/L
RT: 2.760 min Scan# 51
Delta R.T. 0.010 min
Lab File: VV028372.D
Acq: 05 Oct 2022 16:38

Instrument :
MSVOA_V
ClientSampleId :

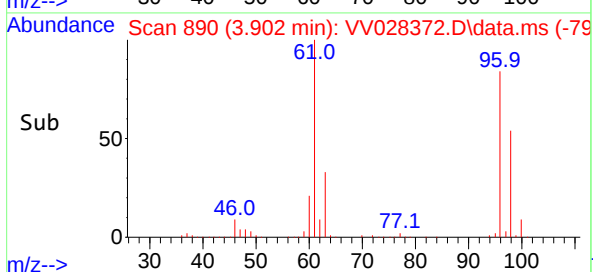
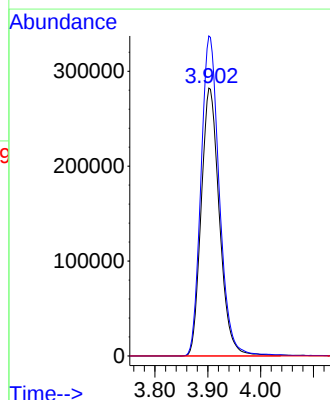
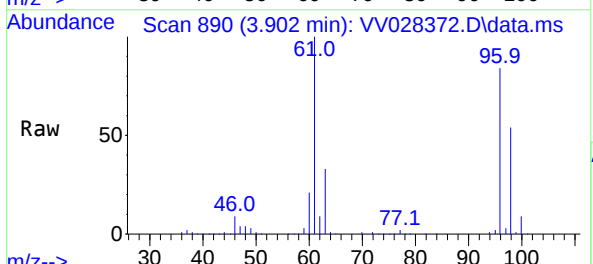


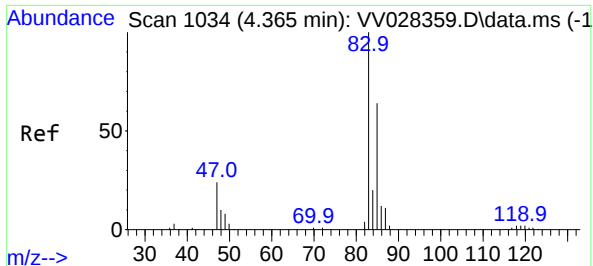
Tgt Ion: 96 Resp: 5521
Ion Ratio Lower Upper
96 100
61 119.3 96.2 178.6
98 54.4 45.7 84.9



#22
cis-1,2-Dichloroethene
Concen: 76.430 ug/L
RT: 3.902 min Scan# 890
Delta R.T. -0.003 min
Lab File: VV028372.D
Acq: 05 Oct 2022 16:38

Tgt Ion: 96 Resp: 675688
Ion Ratio Lower Upper
96 100
61 119.5 87.2 161.9
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.173 ug/L

RT: 4.365 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VV028372.D

Acq: 05 Oct 2022 16:38

Instrument :

MSVOA_V

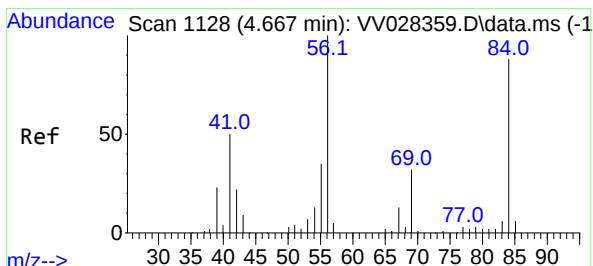
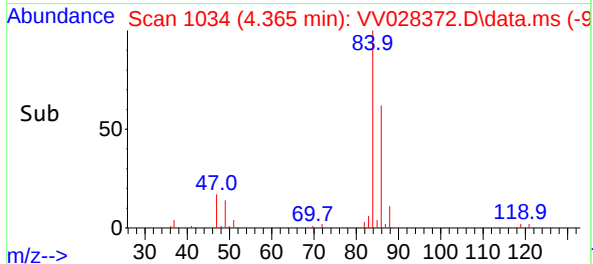
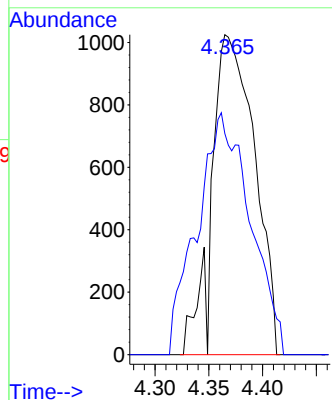
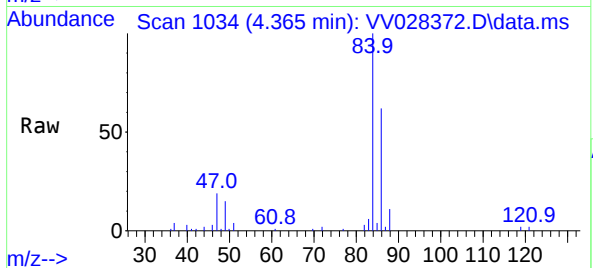
ClientSampleId :

Tgt Ion: 83 Resp: 2838

Ion Ratio Lower Upper

83 100

85 69.1 45.1 83.7



#30

Cyclohexane

Concen: 0.144 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VV028372.D

Acq: 05 Oct 2022 16:38

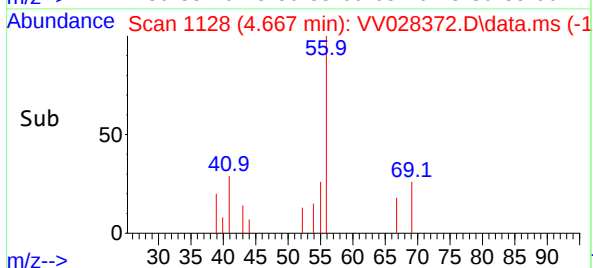
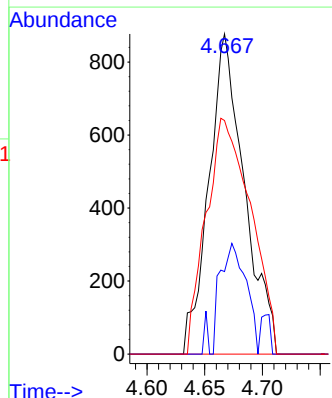
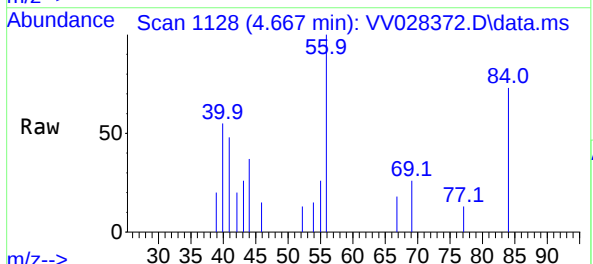
Tgt Ion: 56 Resp: 1875

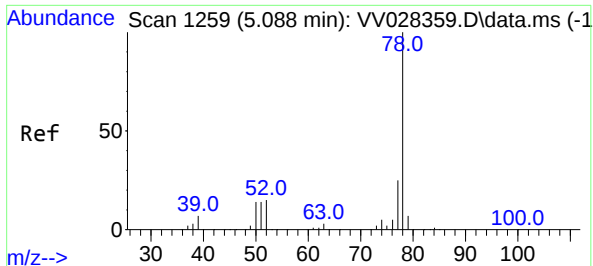
Ion Ratio Lower Upper

56 100

69 25.1 23.7 35.5

84 92.6 67.3 100.9

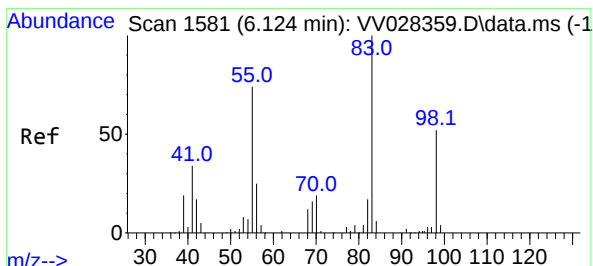
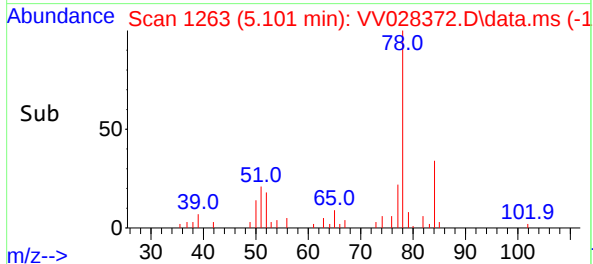
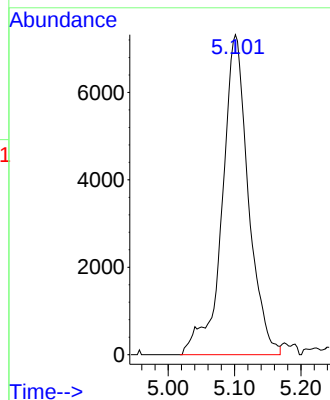
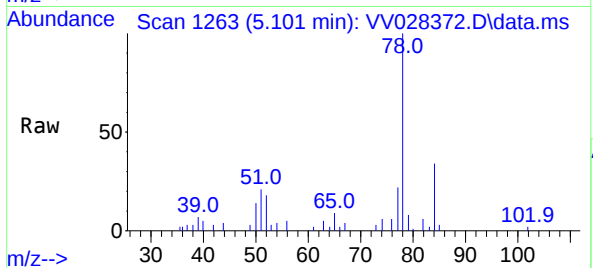




#33
Benzene
Concen: 0.551 ug/L
RT: 5.101 min Scan# 1563
Delta R.T. 0.010 min
Lab File: VV028372.D
Acq: 05 Oct 2022 16:38

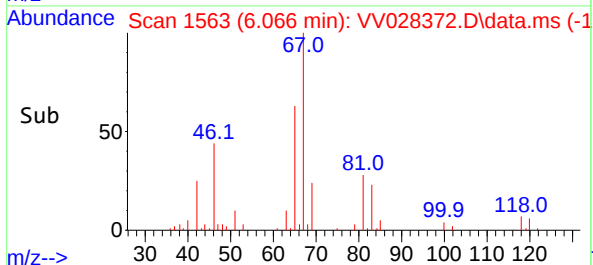
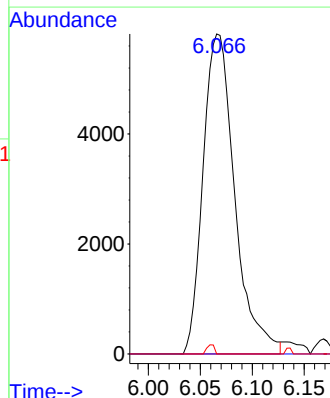
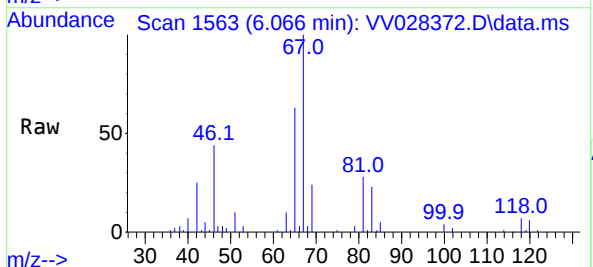
Instrument :
MSVOA_V
ClientSampleId :

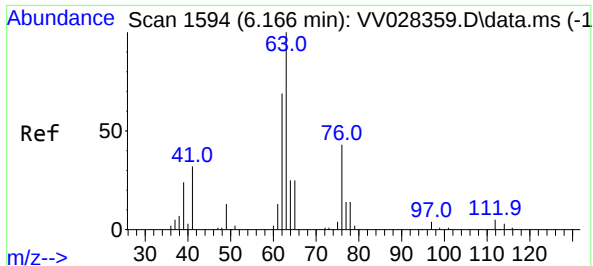
Tgt Ion: 78 Resp: 20101



#35
Methylcyclohexane
Concen: 0.827 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.058 min
Lab File: VV028372.D
Acq: 05 Oct 2022 16:38

Tgt Ion: 83 Resp: 12325
Ion Ratio Lower Upper
83 100
55 0.0 64.7 97.1#
98 0.7 39.5 59.3#

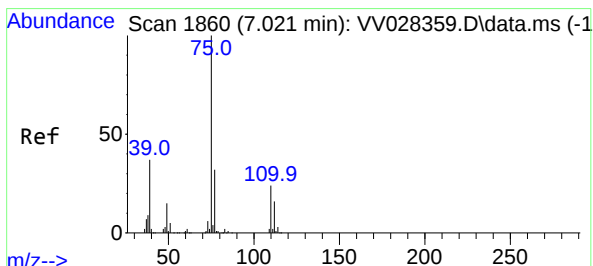
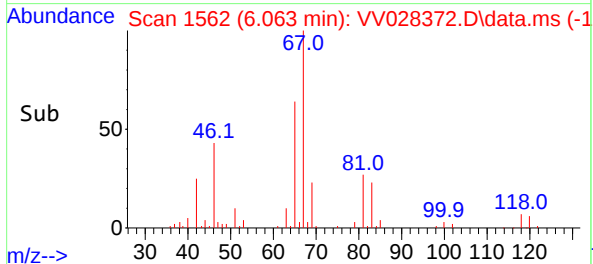
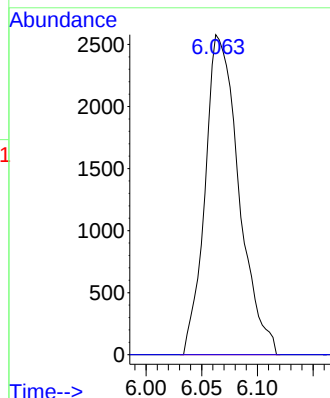
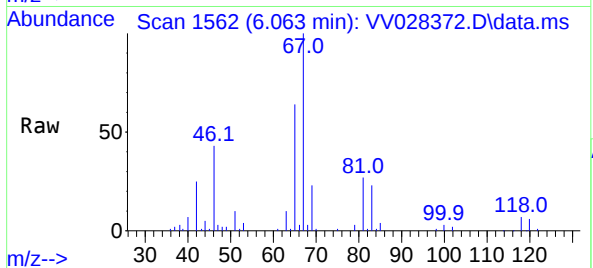




#37
1,2-Dichloropropane
Concen: 0.645 ug/L
RT: 6.063 min Scan# 11
Delta R.T. -0.106 min
Lab File: VV028372.D
Acq: 05 Oct 2022 16:38

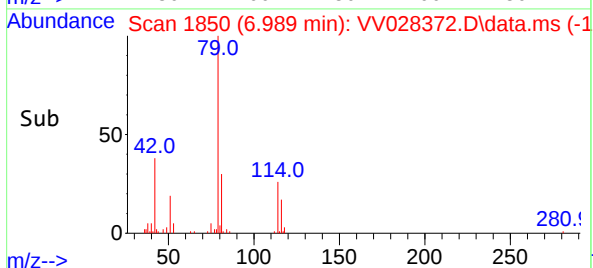
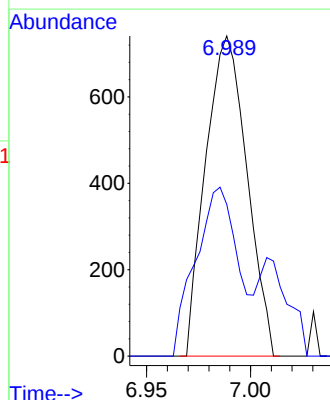
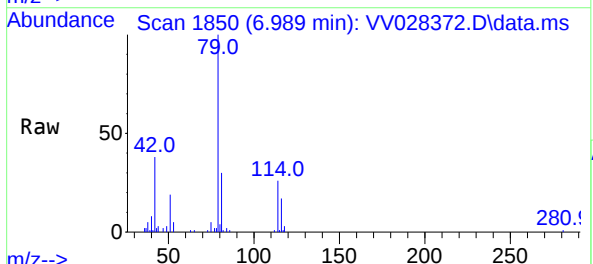
Instrument :
MSVOA_V
ClientSampleId :

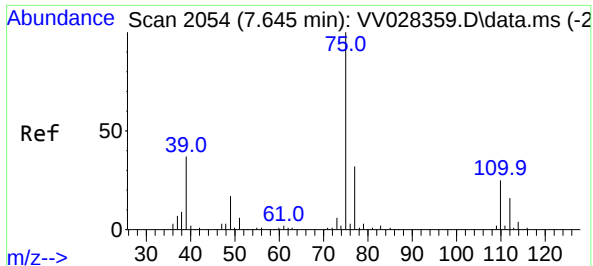
Tgt Ion: 63 Resp: 5447
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



#39
cis-1,3-Dichloropropene
Concen: 0.085 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.035 min
Lab File: VV028372.D
Acq: 05 Oct 2022 16:38

Tgt Ion: 75 Resp: 1022
Ion Ratio Lower Upper
75 100
77 47.4 22.4 41.6#

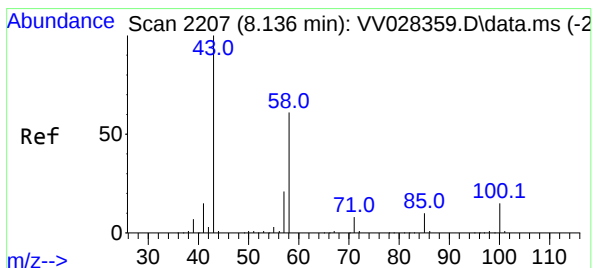
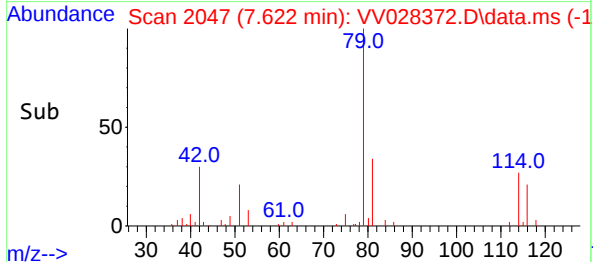
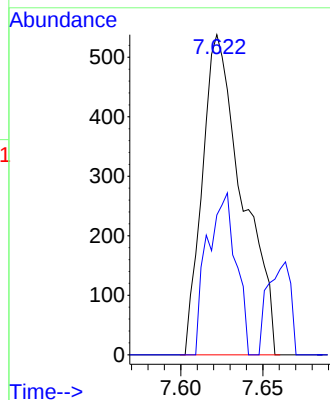
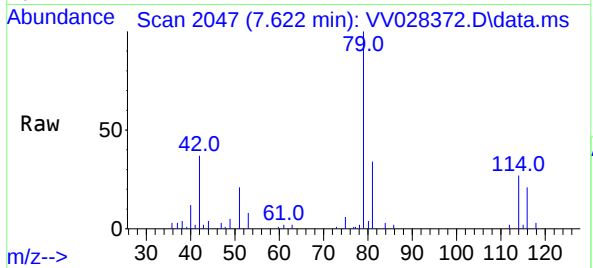




#44
trans-1,3-Dichloropropene
Concen: 0.089 ug/L
RT: 7.622 min Scan# 2054
Delta R.T. -0.026 min
Lab File: VV028372.D
Acq: 05 Oct 2022 16:38

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 913
Ion Ratio Lower Upper
75 100
77 43.7 23.9 44.3



#48
2-Hexanone
Concen: 5.435 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. -0.048 min
Lab File: VV028372.D
Acq: 05 Oct 2022 16:38

Tgt Ion: 43 Resp: 14764
Ion Ratio Lower Upper
43 100
58 33.0 45.7 68.5#
57 42.2 15.5 23.3#
100 5.0 9.8 14.6#

