

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
 Data File : VU055191.D
 Acq On : 07 Sep 2023 16:14
 Operator : MD/SY
 Sample : 04286-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

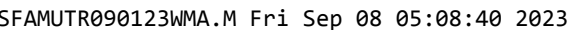
Quant Time: Sep 08 05:08:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 08 05:04:57 2023
 Response via : Initial Calibration

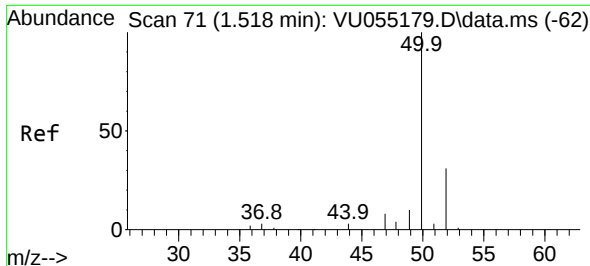
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	161602	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	170702	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	84352	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	26912	3.553	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	71.000%	
7) Chloroethane-d5	1.907	69	37316	4.256	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	85.200%	
11) 1,1-Dichloroethene-d2	2.563	65	17484	4.051	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	81.000%	
20) 2-Butanone-d5	4.627	46	128227	58.340	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	116.680%	
24) Chloroform-d	5.062	84	98614	4.907	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	98.200%	
26) 1,2-Dichloroethane-d4	5.698	65	53061	5.277	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	105.600%	
32) Benzene-d6	5.727	84	187986	4.461	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	89.200%	
36) 1,2-Dichloropropane-d6	6.688	67	63263	4.720	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	94.400%	
41) Toluene-d8	7.897	98	160938	4.146	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	83.000%	
43) trans-1,3-Dichloroprop...	8.180	79	15741	4.265	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	85.400%	
46) 2-Hexanone-d5	8.634	63	70758	47.224	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	94.440%	
56) 1,1,2,2-Tetrachloroeth...	10.756	84	48802	5.178	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	103.600%	
66) 1,2-Dichlorobenzene-d4	12.193	152	59154	4.804	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	96.000%	
Target Compounds						Qvalue
3) Chloromethane	1.518	50	2680	0.280	ug/L #	74
12) 1,1-Dichloroethene	2.573	96	1429	0.191	ug/L #	1
19) 1,1-Dichloroethane	3.862	63	4258	0.260	ug/L #	91
22) cis-1,2-Dichloroethene	4.663	96	47204	5.087	ug/L	99
34) Trichloroethene	6.544	95	20784	2.058	ug/L	96
35) Methylcyclohexane	6.692	83	14286	1.008	ug/L #	20
37) 1,2-Dichloropropane	6.688	63	6667	0.674	ug/L #	88
39) cis-1,3-Dichloropropene	7.573	75	1489	0.111	ug/L	87
48) 2-Hexanone	8.685	43	19711	4.460	ug/L #	90
51) Chlorobenzene	9.447	112	4880	0.190	ug/L	95
61) 1,2,3-Trichloropropane	11.814	75	11947	2.134	ug/L #	71

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

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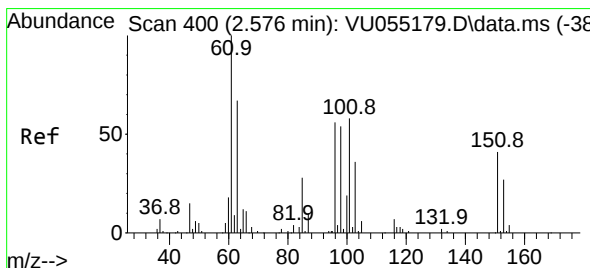
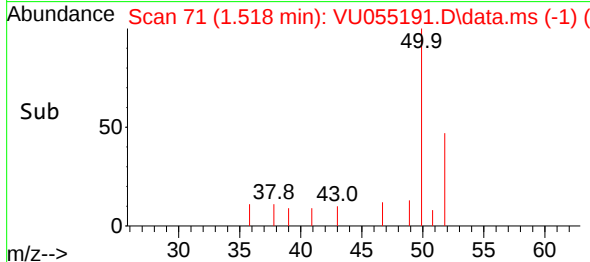
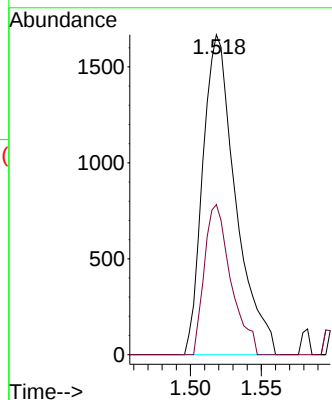
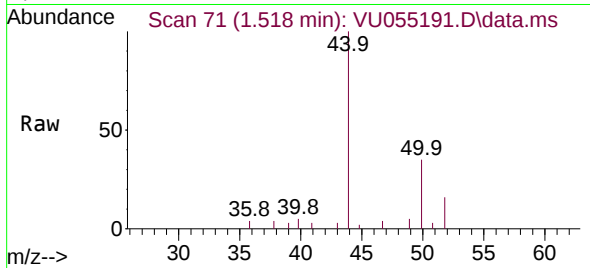




#3
Chloromethane
Concen: 0.280 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU055191.D
Acq: 07 Sep 2023 16:14

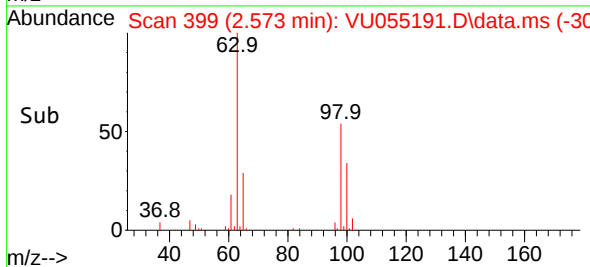
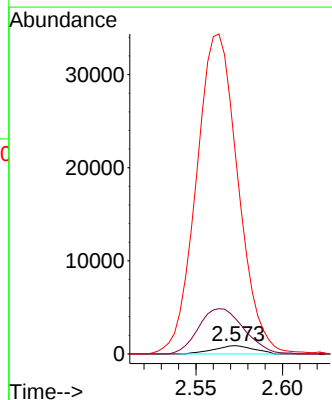
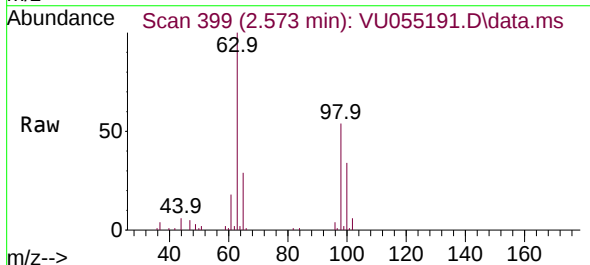
Instrument :
MSVOA_U
ClientSampleId :

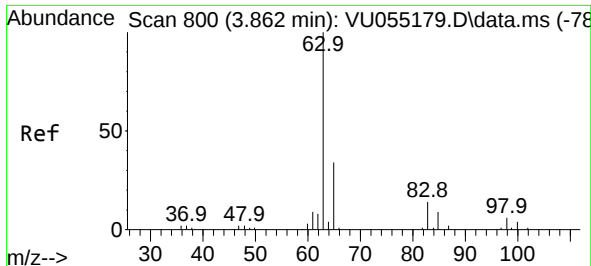
Tgt Ion: 50 Resp: 2680
Ion Ratio Lower Upper
50 100
52 46.9 22.5 41.7#



#12
1,1-Dichloroethene
Concen: 0.191 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU055191.D
Acq: 07 Sep 2023 16:14

Tgt Ion: 96 Resp: 1429
Ion Ratio Lower Upper
96 100
61 319.9 120.8 224.4#
63 1798.3 94.5 175.5#





#19

1,1-Dichloroethane

Concen: 0.260 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU055191.D

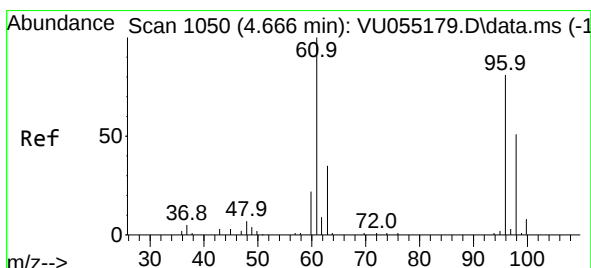
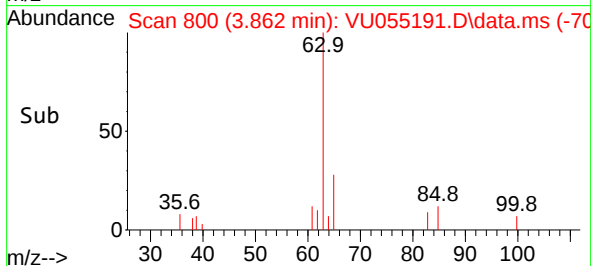
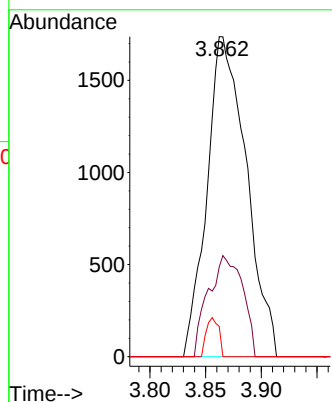
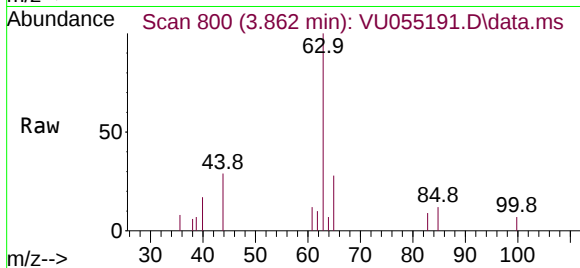
Acq: 07 Sep 2023 16:14

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	4258
Ion	Ratio	Lower	Upper
63	100		
65	28.0	22.2	41.2
83	9.4	10.6	19.8



#22

cis-1,2-Dichloroethene

Concen: 5.087 ug/L

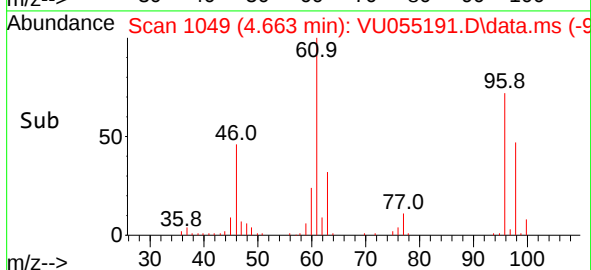
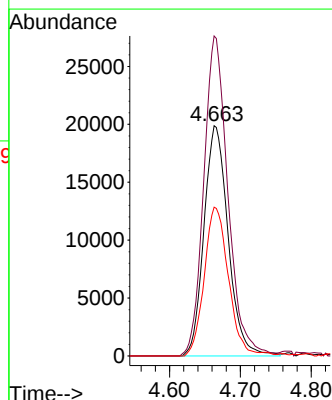
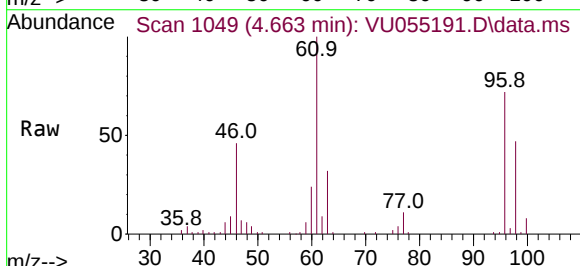
RT: 4.663 min Scan# 1049

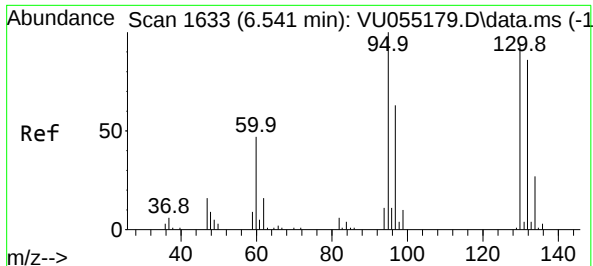
Delta R.T. -0.003 min

Lab File: VU055191.D

Acq: 07 Sep 2023 16:14

Tgt Ion:	96	Resp:	47204
Ion	Ratio	Lower	Upper
96	100		
61	138.9	97.2	180.4
98	64.6	46.1	85.7





#34

Trichloroethene

Concen: 2.058 ug/L

RT: 6.544 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU055191.D

Acq: 07 Sep 2023 16:14

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 20784

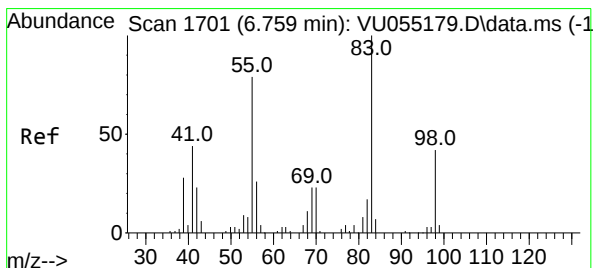
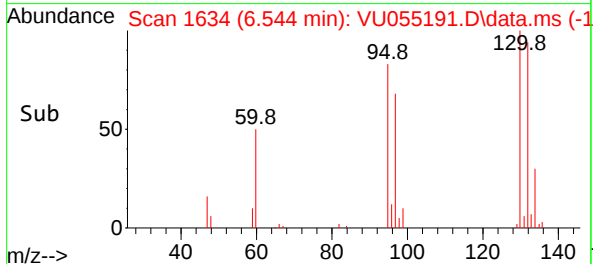
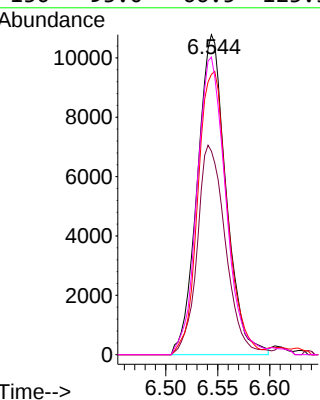
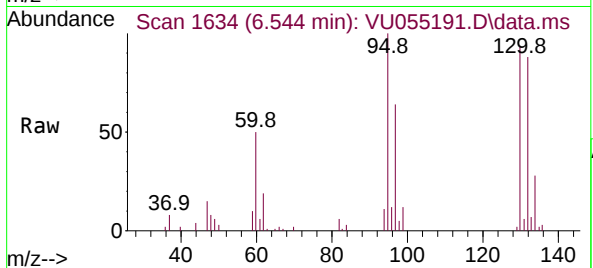
Ion Ratio Lower Upper

95 100

97 63.6 44.7 83.1

132 87.6 66.6 123.6

130 93.0 66.5 123.5



#35

Methylcyclohexane

Concen: 1.008 ug/L

RT: 6.692 min Scan# 1680

Delta R.T. -0.068 min

Lab File: VU055191.D

Acq: 07 Sep 2023 16:14

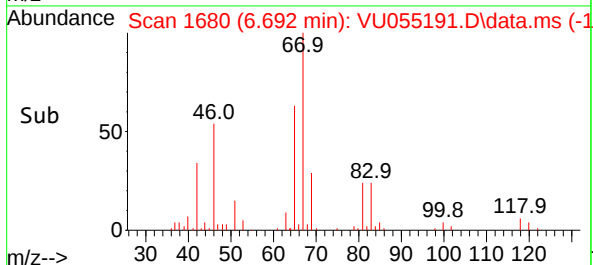
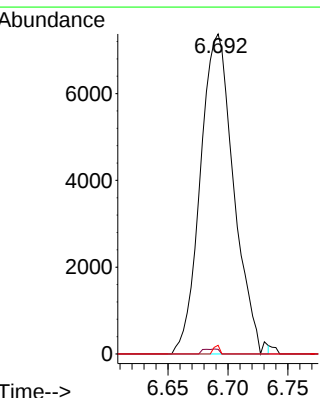
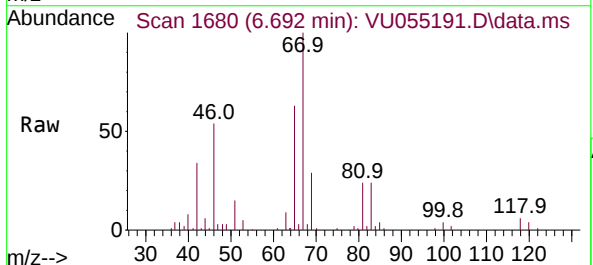
Tgt Ion: 83 Resp: 14286

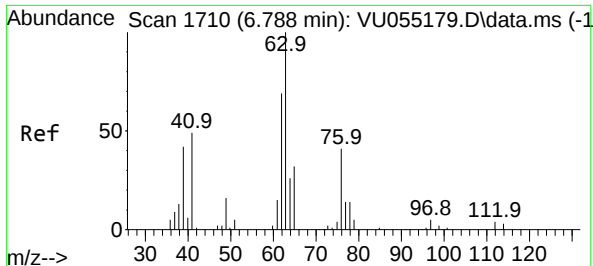
Ion Ratio Lower Upper

83 100

55 0.7 60.4 90.6#

98 0.5 35.3 52.9#





#37

1,2-Dichloropropane

Concen: 0.674 ug/L

RT: 6.688 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU055191.D

Acq: 07 Sep 2023 16:14

Instrument :

MSVOA_U

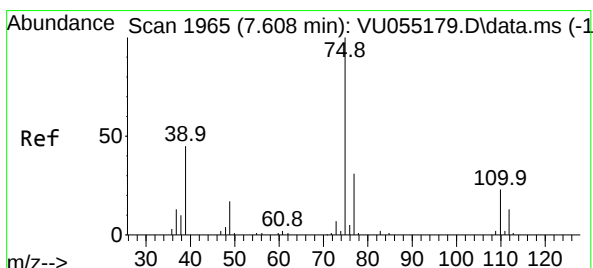
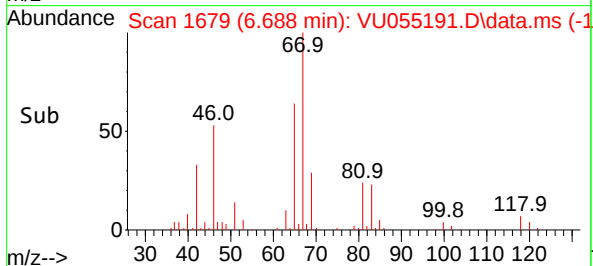
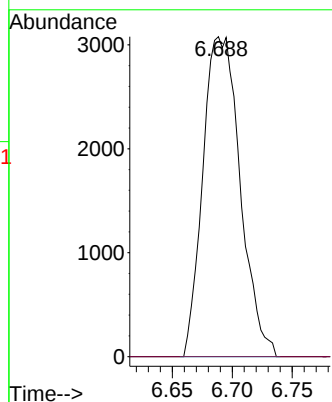
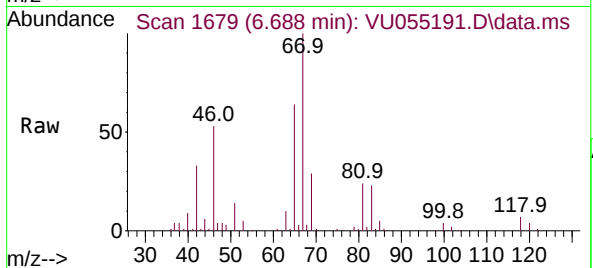
ClientSampleId :

Tgt Ion: 63 Resp: 6667

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.111 ug/L

RT: 7.573 min Scan# 1954

Delta R.T. -0.036 min

Lab File: VU055191.D

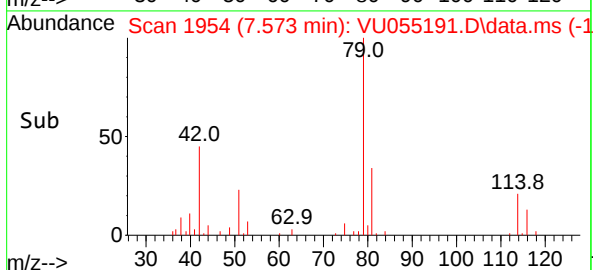
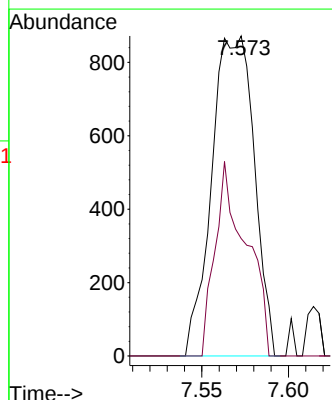
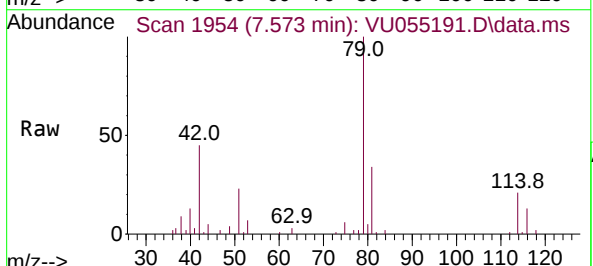
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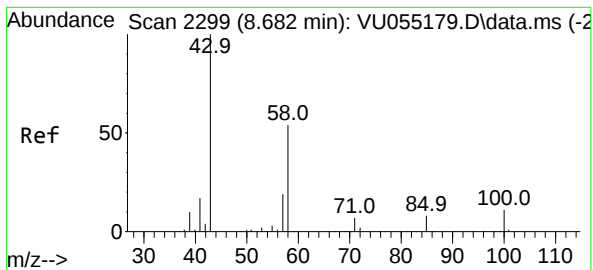
Tgt Ion: 75 Resp: 1489

Ion Ratio Lower Upper

75 100

77 36.7 20.9 38.9





#48

2-Hexanone

Concen: 4.460 ug/L

RT: 8.685 min Scan# 21

Delta R.T. 0.003 min

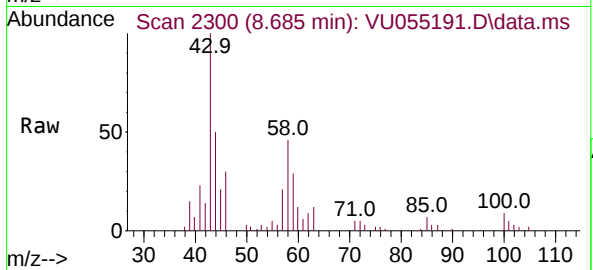
Lab File: VU055191.D

Acq: 07 Sep 2023 16:14

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 19711

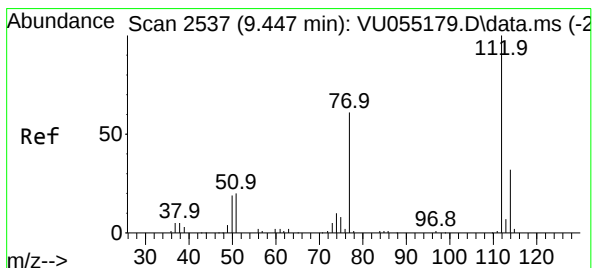
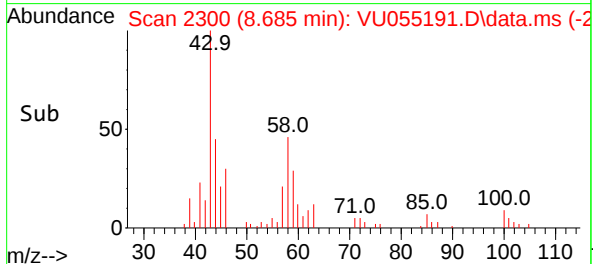
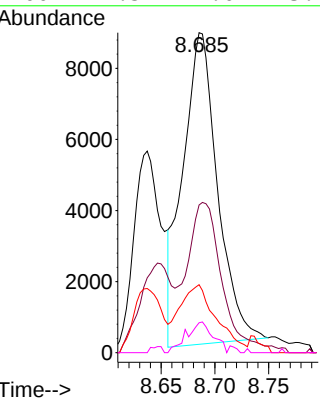
Ion Ratio Lower Upper

43 100

58 47.3 44.0 66.0

57 23.4 16.2 24.2

100 7.5 9.0 13.4#



#51

Chlorobenzene

Concen: 0.190 ug/L

RT: 9.447 min Scan# 2537

Delta R.T. -0.000 min

Lab File: VU055191.D

Acq: 07 Sep 2023 16:14

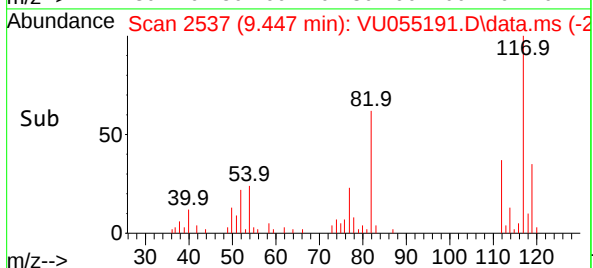
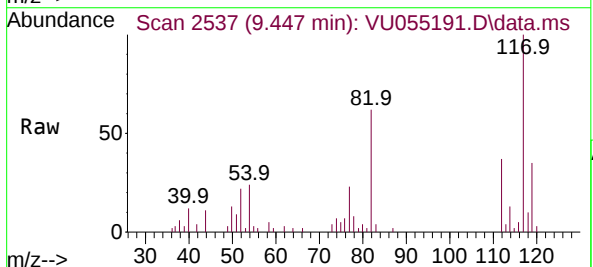
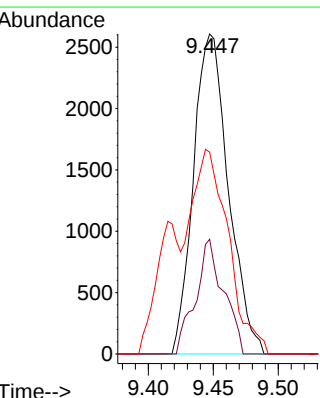
Tgt Ion: 112 Resp: 4880

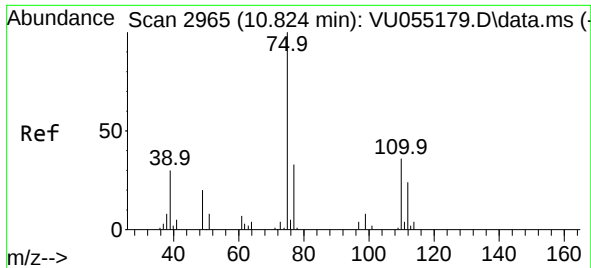
Ion Ratio Lower Upper

112 100

114 35.9 21.7 40.3

77 63.1 48.6 72.8





#61

1,2,3-Trichloropropane

Concen: 2.134 ug/L

RT: 11.814 min Scan# 31

Delta R.T. 0.990 min

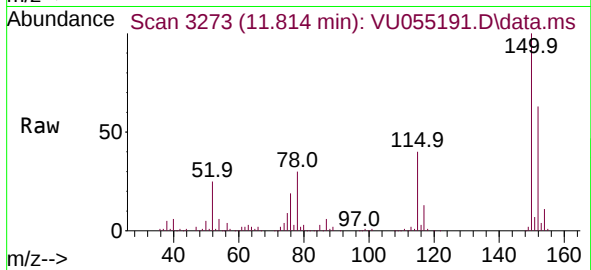
Lab File: VU055191.D

Acq: 07 Sep 2023 16:14

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	75	Resp:	11947
Ion	Ratio	Lower	Upper
75	100		
110	3.0	28.2	42.2#
77	33.6	26.2	39.4

