

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061722\
 Data File : VU049258.D
 Acq On : 17 Jun 2022 20:55
 Operator : SY/MD
 Sample : N3320-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 18 05:50:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 18 05:20:12 2022
 Response via : Initial Calibration

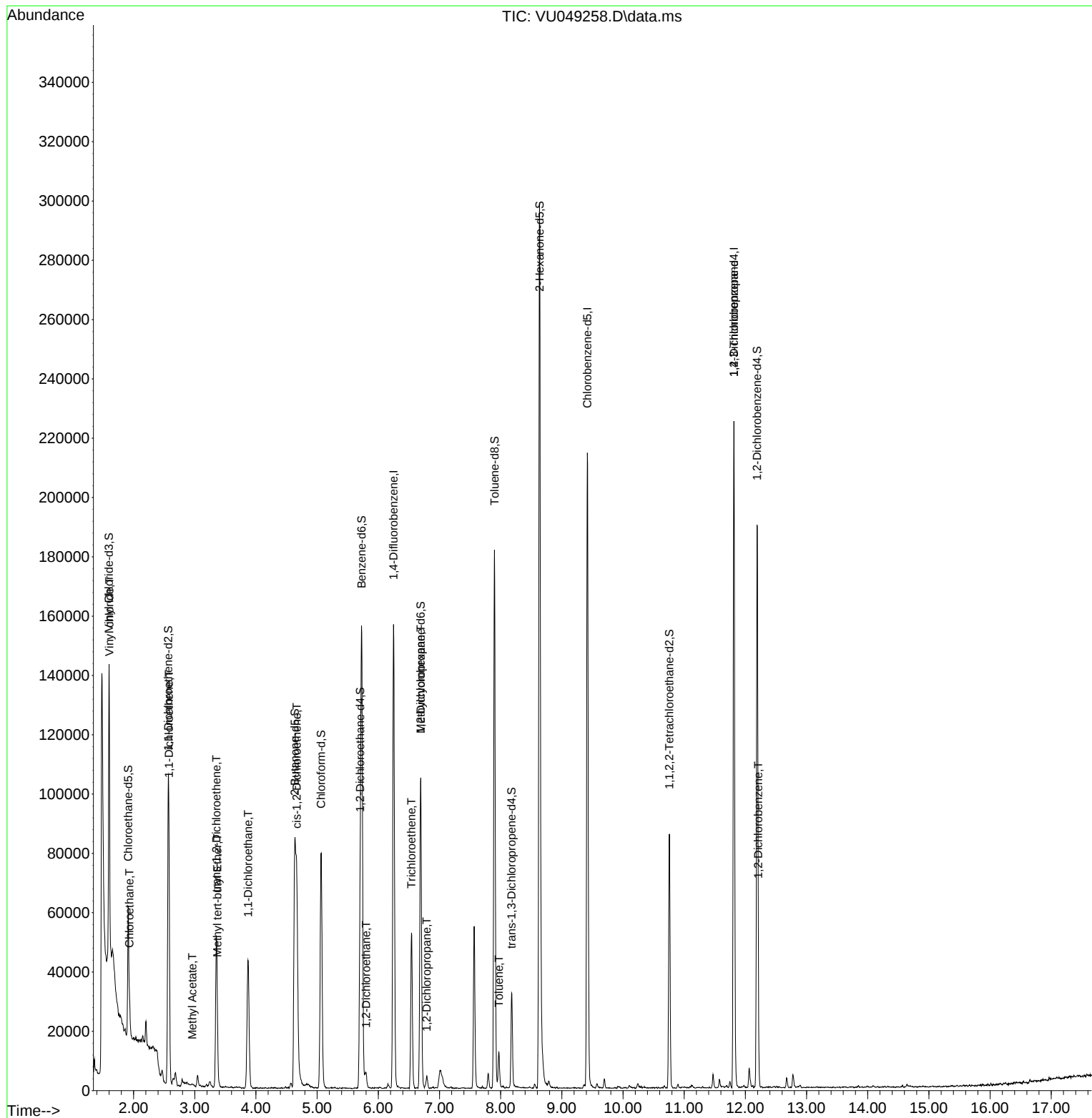
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	123585	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	116506	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	57990	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	39441	3.652	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	73.000%	
7) Chloroethane-d5	1.912	69	30163	4.126	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	82.600%	
11) 1,1-Dichloroethene-d2	2.565	65	14897	3.430	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	68.600%	
20) 2-Butanone-d5	4.636	46	139629	48.427	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	96.860%	
24) Chloroform-d	5.067	84	72287	4.266	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	85.400%	
26) 1,2-Dichloroethane-d4	5.703	65	40774	4.387	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	87.800%	
32) Benzene-d6	5.729	84	137861	3.928	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	78.600%	
36) 1,2-Dichloropropane-d6	6.694	67	51491	4.322	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	86.400%	
41) Toluene-d8	7.899	98	116687	3.692	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	73.800%	
43) trans-1,3-Dichloroprop...	8.179	79	17792	3.362	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	67.200%	
46) 2-Hexanone-d5	8.636	63	104908	49.141	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	98.280%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	43244	4.534	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	90.600%	
66) 1,2-Dichlorobenzene-d4	12.192	152	48058	4.319	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	86.400%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	36629	3.525	ug/L #	1
8) Chloroethane	1.932	64	8807	1.464	ug/L #	75
12) 1,1-Dichloroethene	2.578	96	15048	2.165	ug/L #	58
15) Methyl Acetate	2.961	43	827	0.217	ug/L #	54
17) Methyl tert-butyl Ether	3.369	73	2617	0.125	ug/L #	91
18) trans-1,2-Dichloroethene	3.353	96	20560	2.670	ug/L	95
19) 1,1-Dichloroethane	3.874	63	49945	3.290	ug/L	99
22) cis-1,2-Dichloroethene	4.668	96	23918	2.778	ug/L	95
27) 1,2-Dichloroethane	5.800	62	4271	0.426	ug/L #	74
34) Trichloroethene	6.542	95	17643	1.991	ug/L	97
35) Methylcyclohexane	6.694	83	11202	0.754	ug/L #	16
37) 1,2-Dichloropropane	6.793	63	1372	0.144	ug/L #	89
42) Toluene	7.970	91	8727	0.237	ug/L	96
61) 1,2,3-Trichloropropane	11.812	75	7894	1.213	ug/L #	68
67) 1,2-Dichlorobenzene	12.211	146	1311	0.082	ug/L #	85

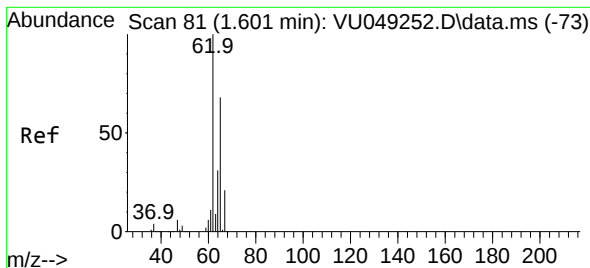
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 3.525 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.003 min

Lab File: VU049258.D

Acq: 17 Jun 2022 20:55

Instrument :

MSVOA_U

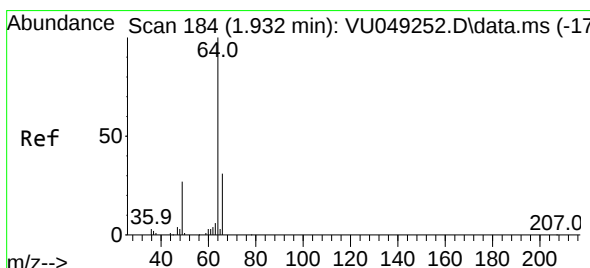
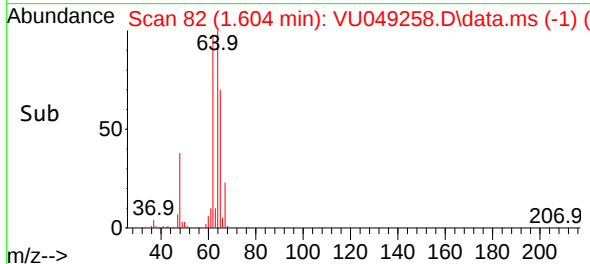
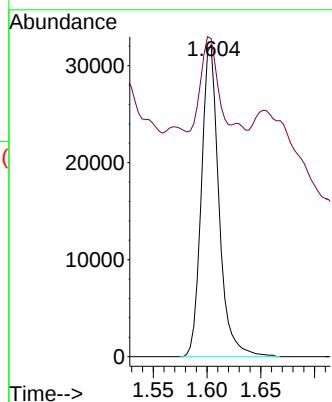
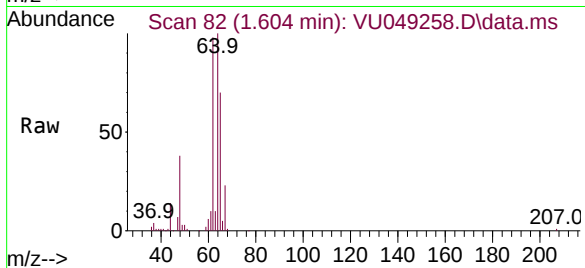
ClientSampleId :

Tgt Ion: 62 Resp: 36629

Ion Ratio Lower Upper

62 100

64 102.1 22.8 42.4#



#8

Chloroethane

Concen: 1.464 ug/L

RT: 1.932 min Scan# 184

Delta R.T. -0.000 min

Lab File: VU049258.D

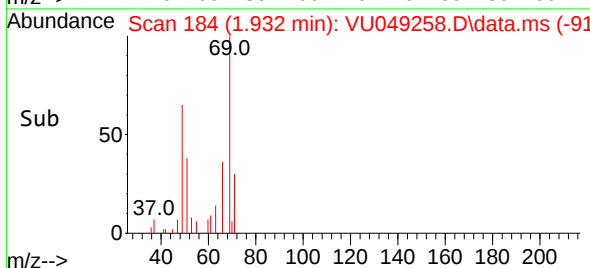
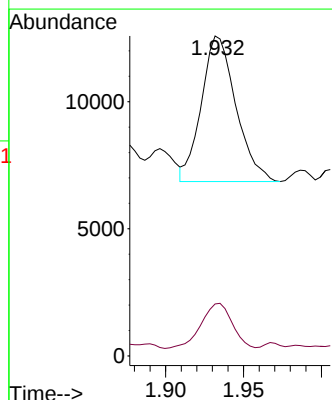
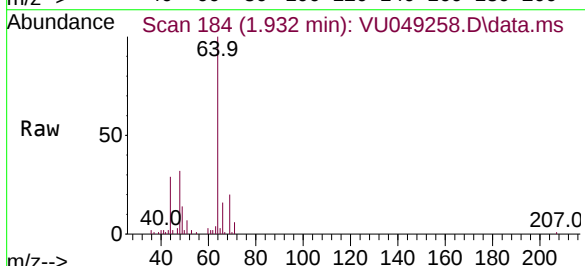
Acq: 17 Jun 2022 20:55

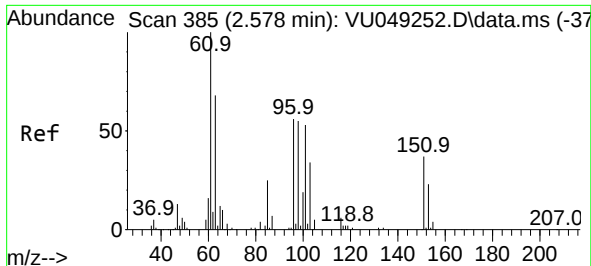
Tgt Ion: 64 Resp: 8807

Ion Ratio Lower Upper

64 100

66 16.2 20.9 38.9#





#12

1,1-Dichloroethene

Concen: 2.165 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU049258.D

Acq: 17 Jun 2022 20:55

Instrument :

MSVOA_U

ClientSampleId :

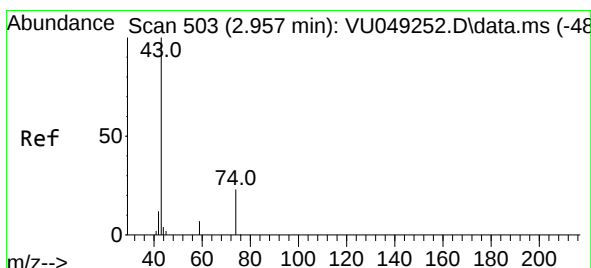
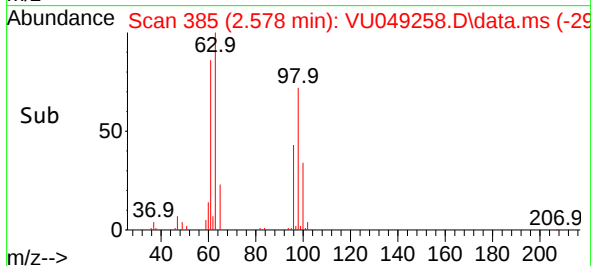
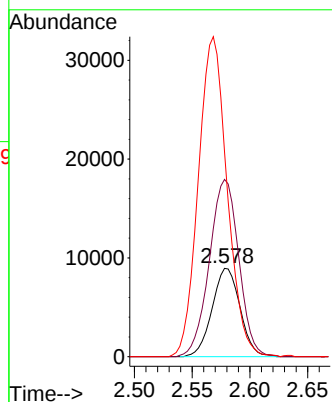
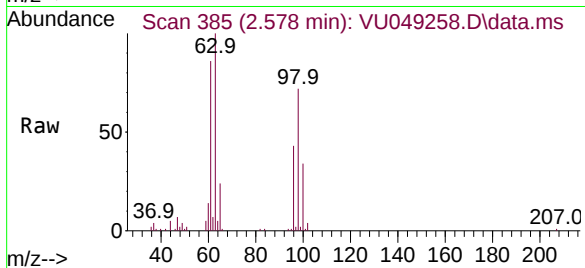
Tgt Ion: 96 Resp: 15048

Ion Ratio Lower Upper

96 100

61 200.6 127.2 236.2

63 232.0 94.7 175.9#



#15

Methyl Acetate

Concen: 0.217 ug/L

RT: 2.961 min Scan# 504

Delta R.T. 0.003 min

Lab File: VU049258.D

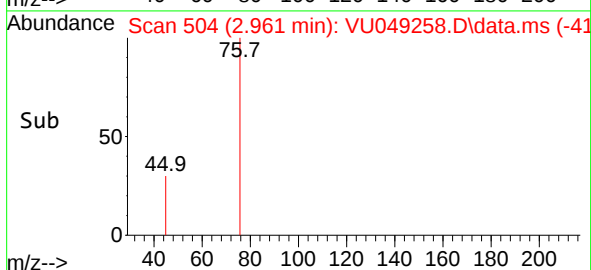
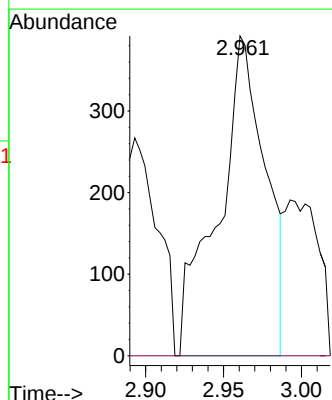
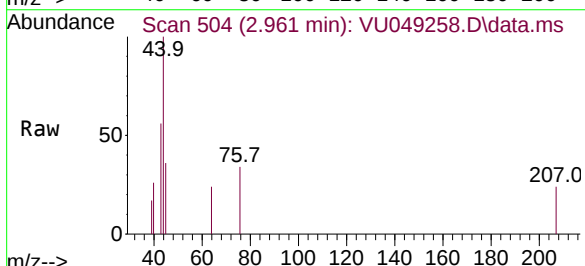
Acq: 17 Jun 2022 20:55

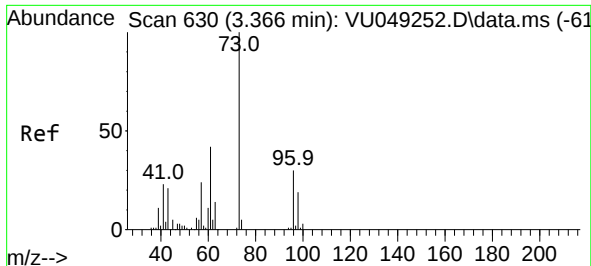
Tgt Ion: 43 Resp: 827

Ion Ratio Lower Upper

43 100

74 0.0 17.6 26.4#





#17

Methyl tert-butyl Ether

Concen: 0.125 ug/L

RT: 3.369 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU049258.D

Acq: 17 Jun 2022 20:55

Instrument :

MSVOA_U

ClientSampleId :

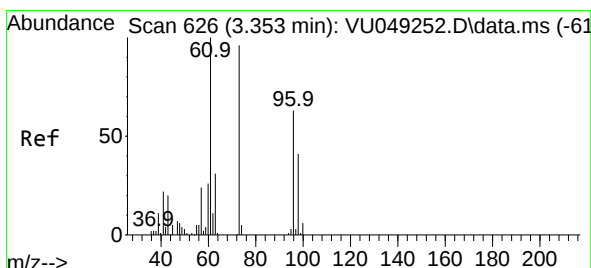
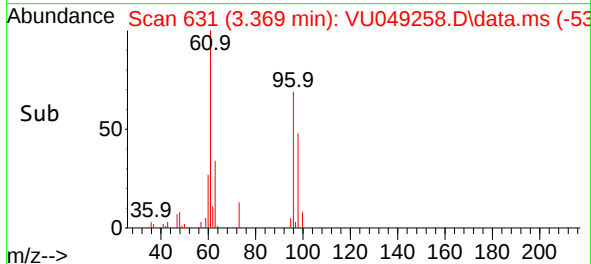
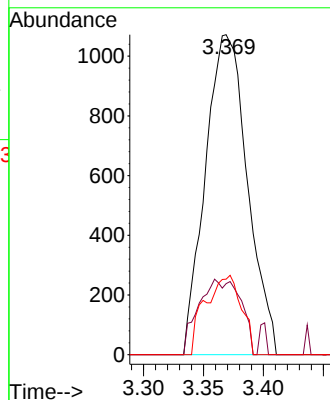
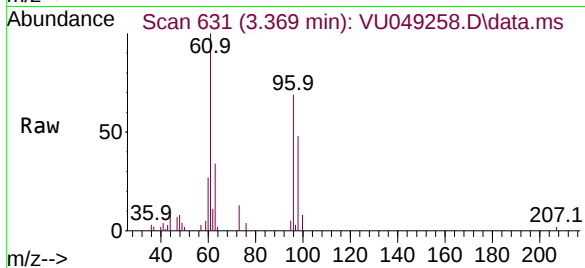
Tgt Ion: 73 Resp: 2617

Ion Ratio Lower Upper

73 100

43 13.8 16.5 24.7#

57 21.1 18.6 27.8



#18

trans-1,2-Dichloroethene

Concen: 2.670 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU049258.D

Acq: 17 Jun 2022 20:55

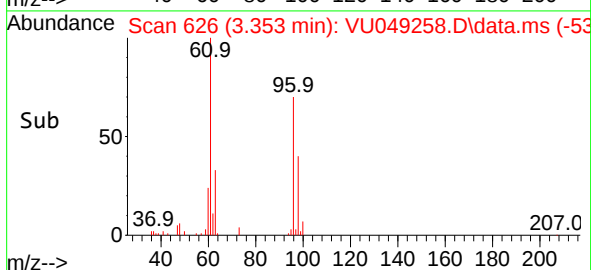
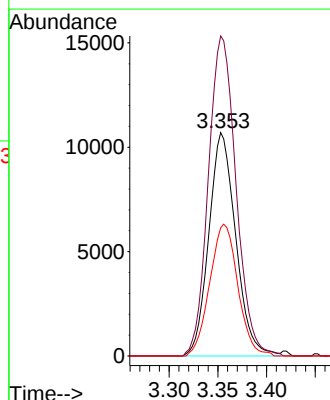
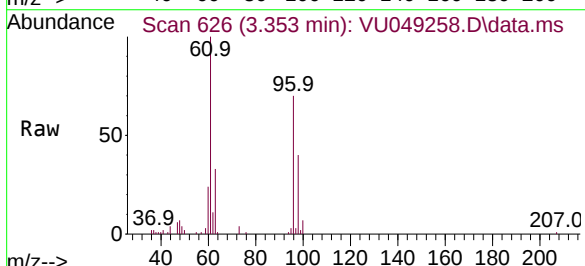
Tgt Ion: 96 Resp: 20560

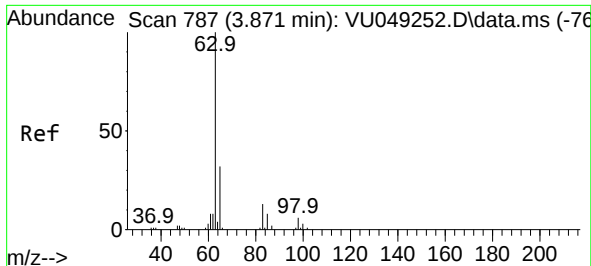
Ion Ratio Lower Upper

96 100

61 143.3 103.3 191.9

98 57.4 44.0 81.8





#19

1,1-Dichloroethane

Concen: 3.290 ug/L

RT: 3.874 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU049258.D

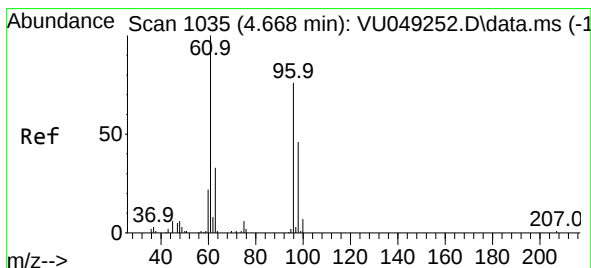
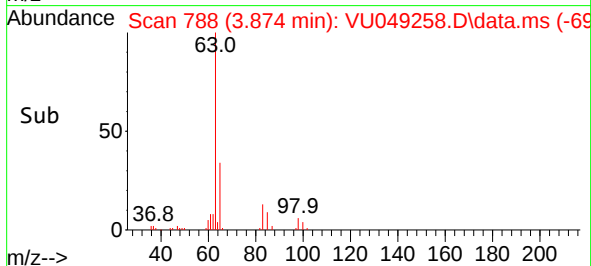
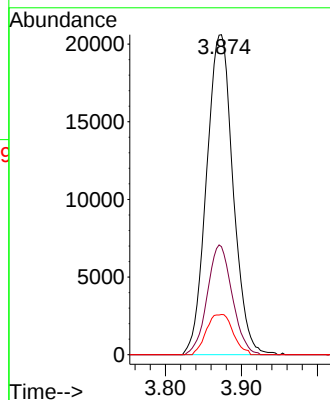
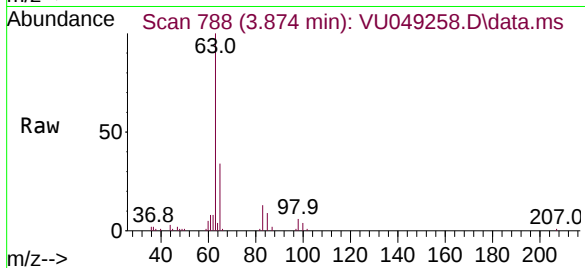
Acq: 17 Jun 2022 20:55

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	49945
Ion	Ratio	Lower	Upper
63	100		
65	33.8	24.0	44.6
83	12.6	9.1	16.9



#22

cis-1,2-Dichloroethene

Concen: 2.778 ug/L

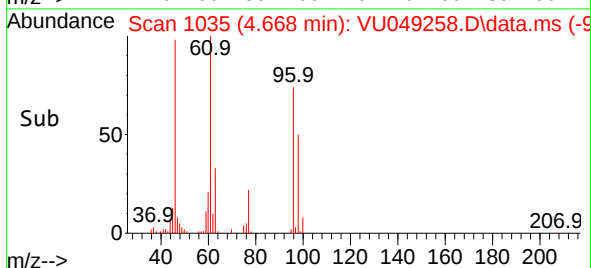
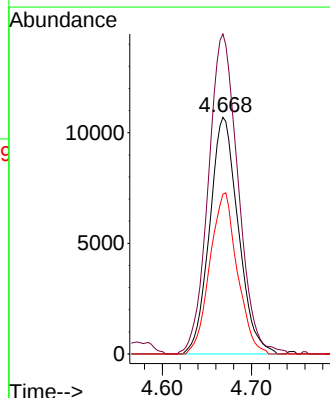
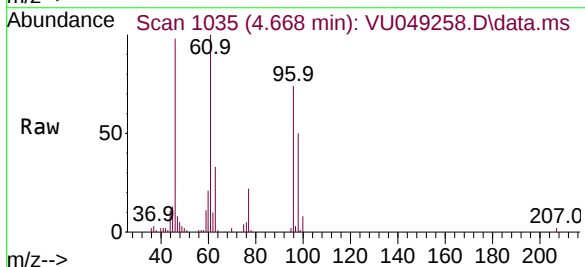
RT: 4.668 min Scan# 1035

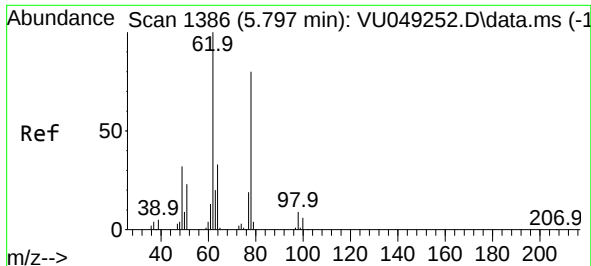
Delta R.T. -0.000 min

Lab File: VU049258.D

Acq: 17 Jun 2022 20:55

Tgt Ion:	96	Resp:	23918
Ion	Ratio	Lower	Upper
96	100		
61	135.2	99.5	184.9
98	67.5	44.8	83.2





#27

1,2-Dichloroethane

Concen: 0.426 ug/L

RT: 5.800 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049258.D

Acq: 17 Jun 2022 20:55

Instrument :

MSVOA_U

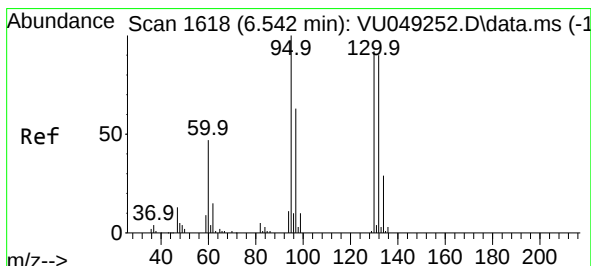
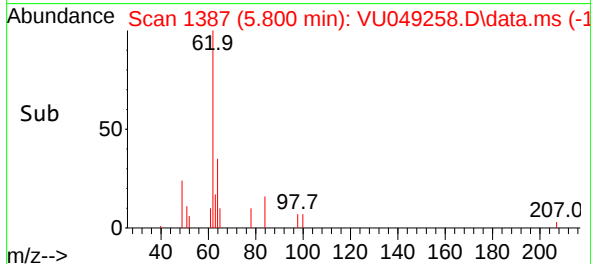
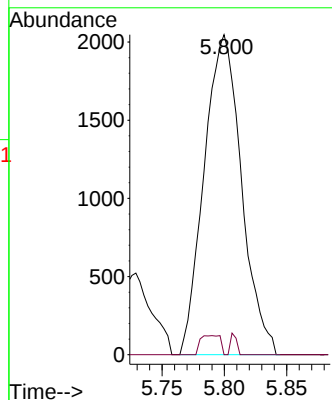
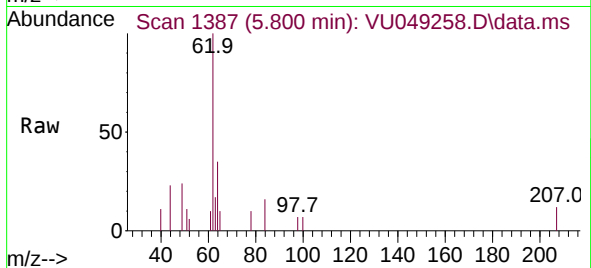
ClientSampleId :

Tgt Ion: 62 Resp: 4271

Ion Ratio Lower Upper

62 100

98 0.0 7.6 11.4#



#34

Trichloroethene

Concen: 1.991 ug/L

RT: 6.542 min Scan# 1618

Delta R.T. -0.000 min

Lab File: VU049258.D

Acq: 17 Jun 2022 20:55

Tgt Ion: 95 Resp: 17643

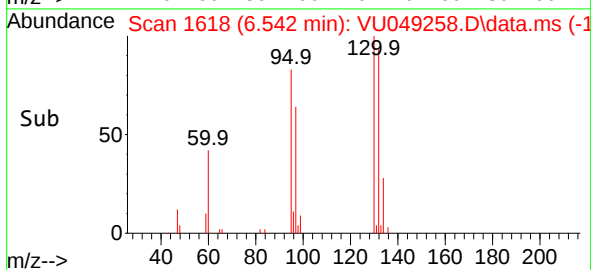
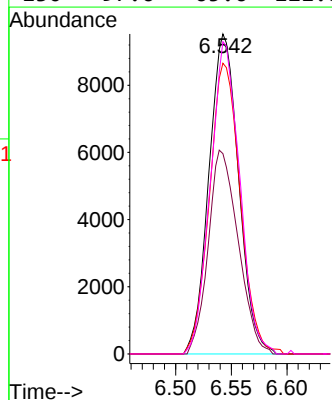
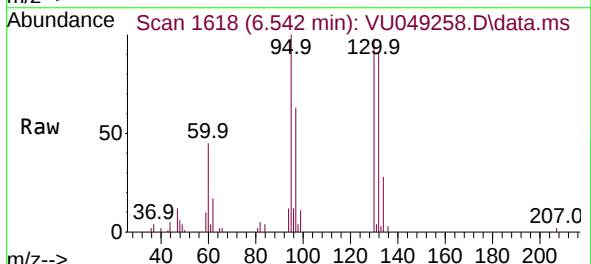
Ion Ratio Lower Upper

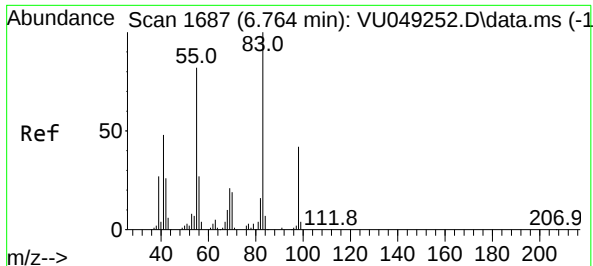
95 100

97 62.6 45.3 84.1

132 90.9 61.5 114.3

130 97.6 65.6 121.8





#35

Methylcyclohexane

Concen: 0.754 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.071 min

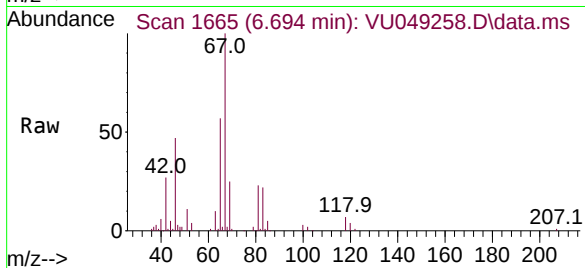
Lab File: VU049258.D

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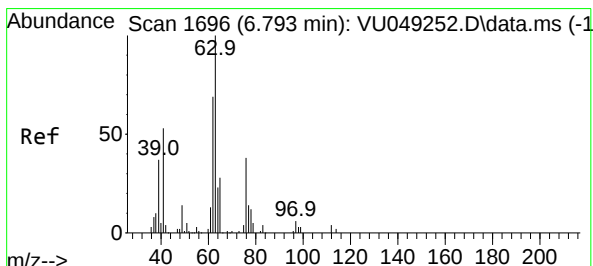
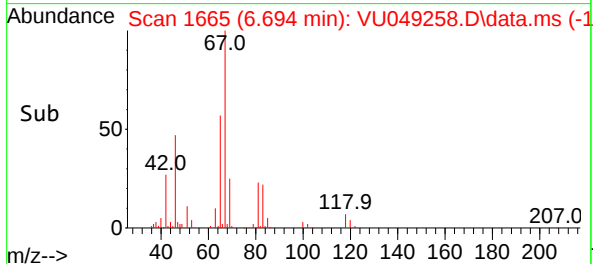
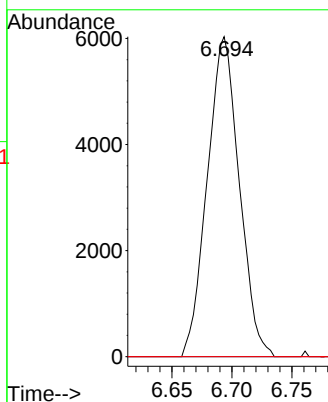
Instrument :

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ClientSampleId :



Tgt Ion:	83	Resp:	11202
Ion Ratio	Lower	Upper	
83	100		
55	0.0	66.9	100.3#
98	0.8	35.5	53.3#



#37

1,2-Dichloropropane

Concen: 0.144 ug/L

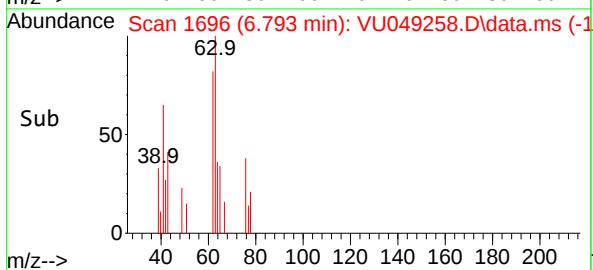
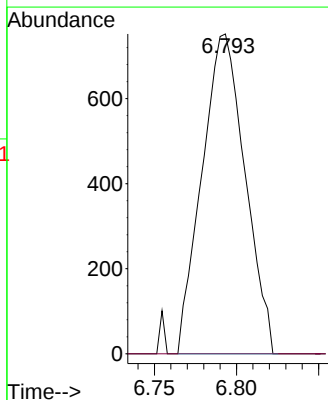
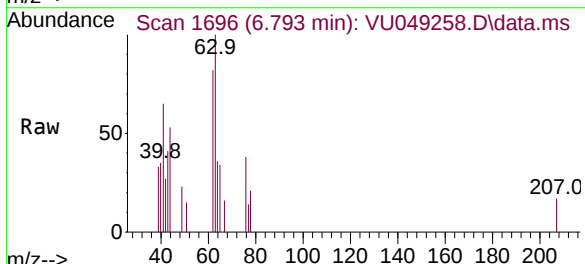
RT: 6.793 min Scan# 1696

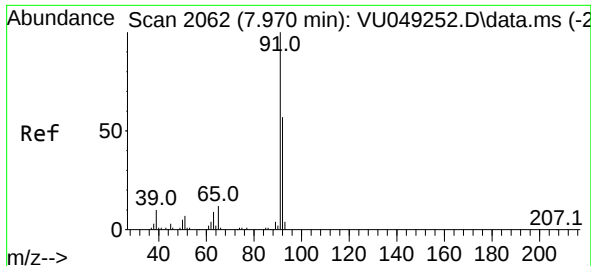
Delta R.T. -0.000 min

Lab File: VU049258.D

Acq: 17 Jun 2022 20:55

Tgt Ion:	63	Resp:	1372
Ion Ratio	Lower	Upper	
63	100		
112	0.0	2.8	4.2#





#42

Toluene

Concen: 0.237 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU049258.D

Acq: 17 Jun 2022 20:55

Instrument :

MSVOA_U

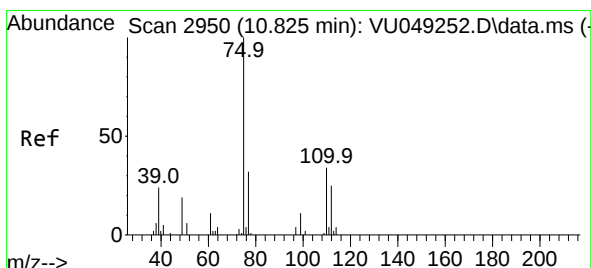
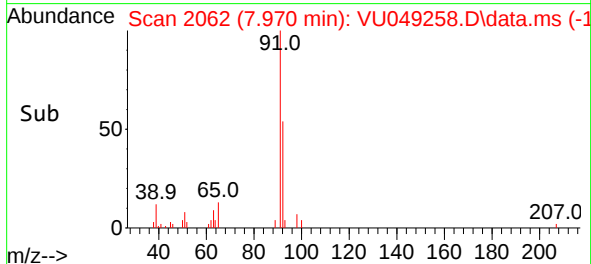
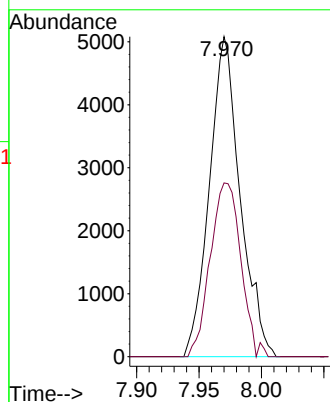
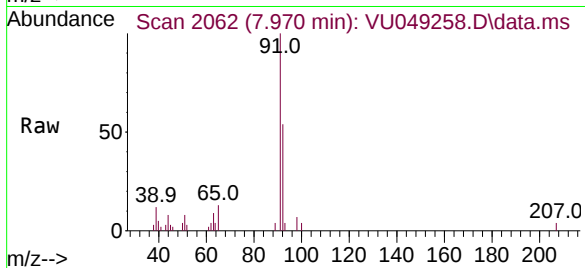
ClientSampleId :

Tgt Ion: 91 Resp: 8727

Ion Ratio Lower Upper

91 100

92 54.3 40.0 74.2



#61

1,2,3-Trichloropropane

Concen: 1.213 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU049258.D

Acq: 17 Jun 2022 20:55

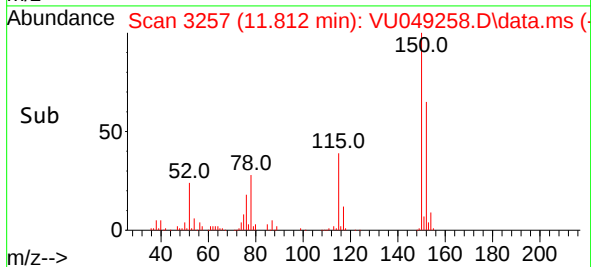
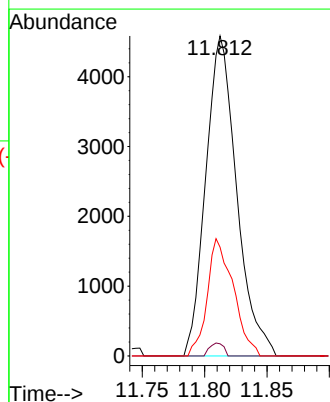
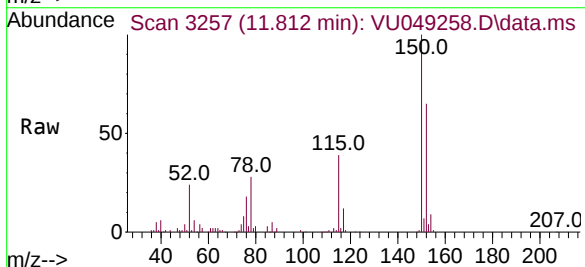
Tgt Ion: 75 Resp: 7894

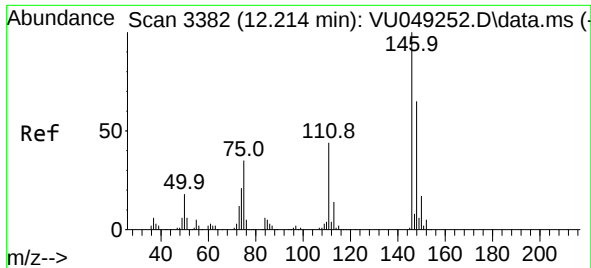
Ion Ratio Lower Upper

75 100

110 1.8 29.0 43.4#

77 31.0 26.2 39.2





#67

1,2-Dichlorobenzene

Concen: 0.082 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

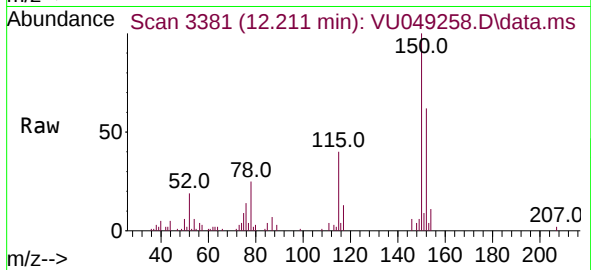
Lab File: VU049258.D

Acq: 17 Jun 2022 20:55

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 1311

Ion Ratio Lower Upper

146 100

111 65.3 36.6 55.0#

148 61.4 52.2 78.4

