

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061622\
 Data File : VU049228.D
 Acq On : 17 Jun 2022 00:43
 Operator : SY/MD
 Sample : N3320-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 17 02:36:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 17 02:27:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	117600	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	109642	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	54820	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	39932	3.886	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	77.800%	
7) Chloroethane-d5	1.916	69	31526	4.532	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	90.600%	
11) 1,1-Dichloroethene-d2	2.568	65	15825	3.829	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	76.600%	
20) 2-Butanone-d5	4.636	46	144217	52.563	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	105.120%	
24) Chloroform-d	5.067	84	77549	4.810	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.200%	
26) 1,2-Dichloroethane-d4	5.703	65	43542	4.923	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	98.400%	
32) Benzene-d6	5.729	84	154842	4.688	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	93.800%	
36) 1,2-Dichloropropane-d6	6.690	67	53975	4.815	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	96.200%	
41) Toluene-d8	7.899	98	134516	4.523	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.400%	
43) trans-1,3-Dichloroprop...	8.179	79	17485	3.511	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	70.200%	
46) 2-Hexanone-d5	8.636	63	101586	50.564	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	101.120%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	44944	5.007	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	100.200%	
66) 1,2-Dichlorobenzene-d4	12.192	152	52327	4.974	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	99.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	1336	0.121	ug/L #	70
5) Vinyl chloride	1.604	62	35742	3.615	ug/L #	6
8) Chloroethane	1.935	64	7020	1.227	ug/L #	80
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	424	0.062	ug/L #	21
12) 1,1-Dichloroethene	2.581	96	13937	2.108	ug/L #	59
15) Methyl Acetate	2.964	43	4587	1.263	ug/L	94
17) Methyl tert-butyl Ether	3.366	73	2389	0.119	ug/L	95
18) trans-1,2-Dichloroethene	3.356	96	19518	2.664	ug/L	98
19) 1,1-Dichloroethane	3.871	63	47462	3.285	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	25094	3.063	ug/L	95
27) 1,2-Dichloroethane	5.800	62	4019	0.421	ug/L #	94
34) Trichloroethene	6.542	95	16253	1.949	ug/L	99
35) Methylcyclohexane	6.694	83	11947	0.854	ug/L #	19
37) 1,2-Dichloropropane	6.790	63	1462	0.163	ug/L #	89
39) cis-1,3-Dichloropropene	7.571	75	1263	0.093	ug/L #	48
42) Toluene	7.970	91	9461	0.273	ug/L	98
61) 1,2,3-Trichloropropane	11.812	75	7968	1.295	ug/L #	66
67) 1,2-Dichlorobenzene	12.214	146	1334	0.088	ug/L #	73

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Quant Time: Jun 17 02:36:17 2022
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jun 17 02:27:54 2022
Response via : Initial Calibration

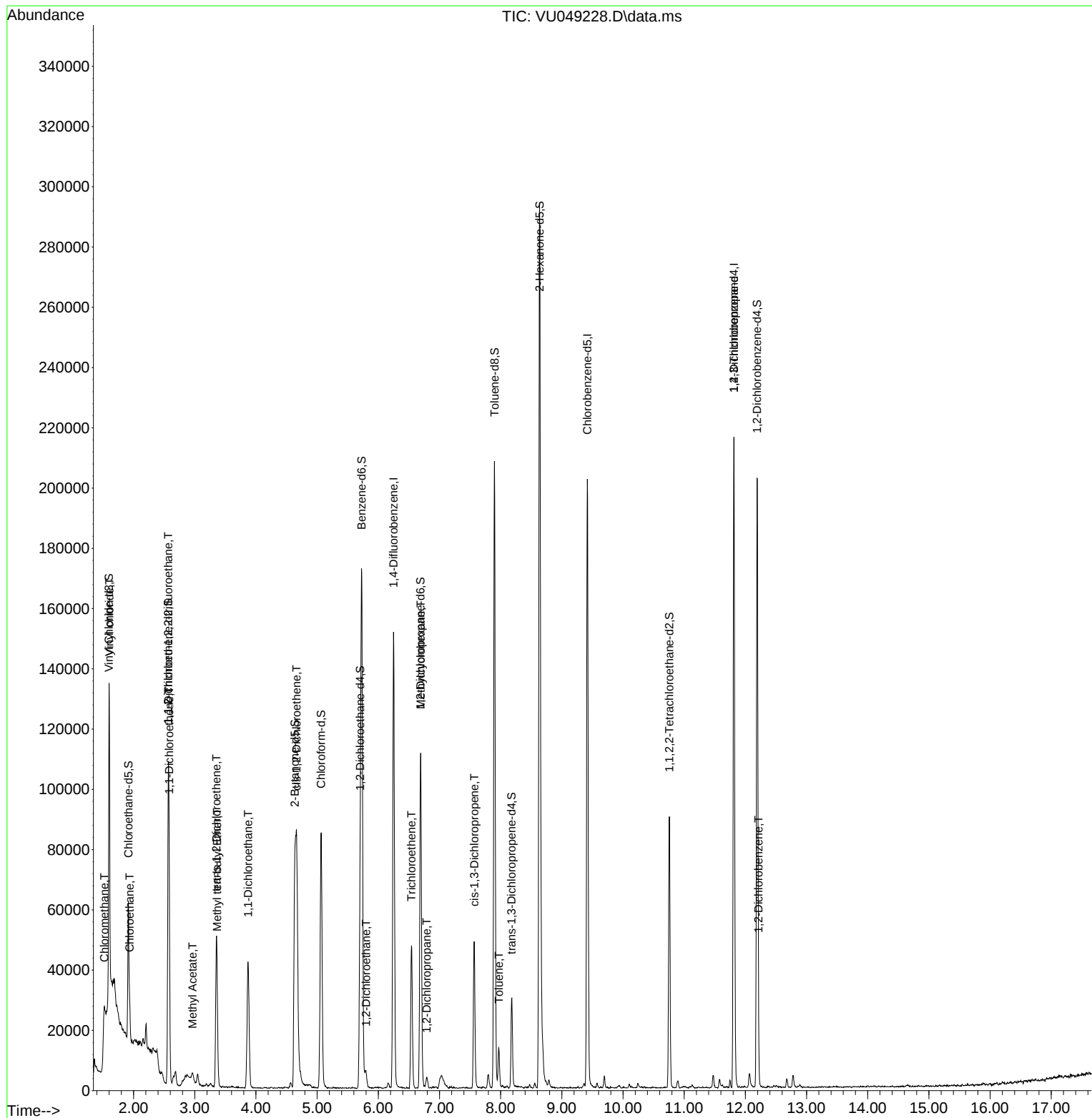
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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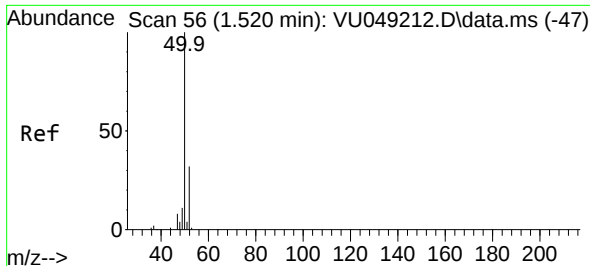
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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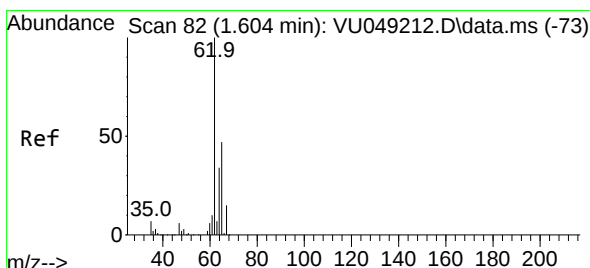
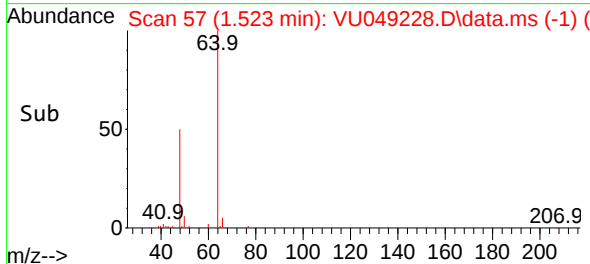
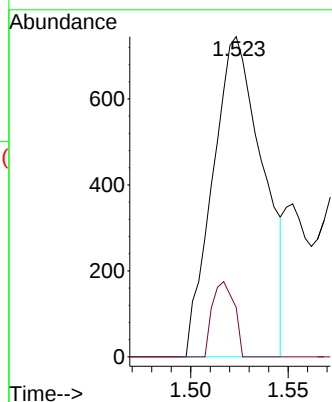
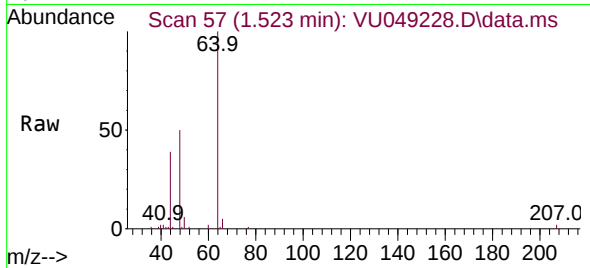




#3
Chloromethane
Concen: 0.121 ug/L
RT: 1.523 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU049228.D
Acq: 17 Jun 2022 00:43

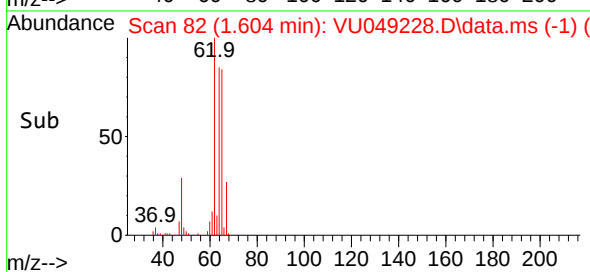
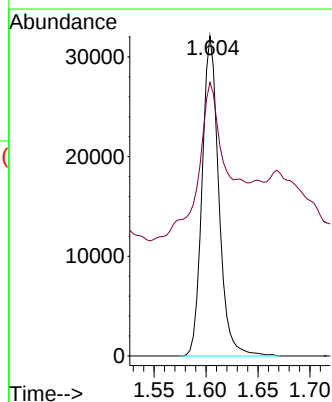
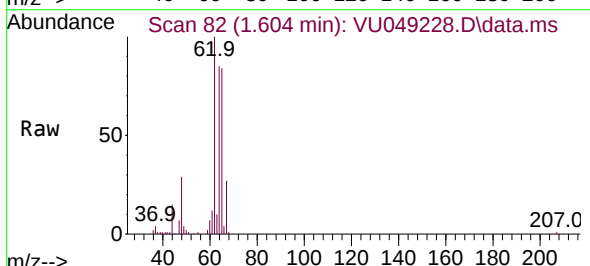
Instrument :
MSVOA_U
ClientSampleId :

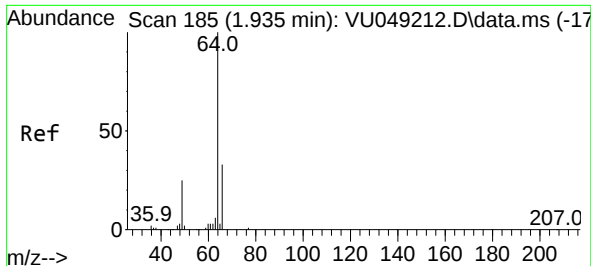
Tgt Ion: 50 Resp: 1336
Ion Ratio Lower Upper
50 100
52 15.4 22.7 42.1#



#5
Vinyl chloride
Concen: 3.615 ug/L
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU049228.D
Acq: 17 Jun 2022 00:43

Tgt Ion: 62 Resp: 35742
Ion Ratio Lower Upper
62 100
64 85.5 22.8 42.4#

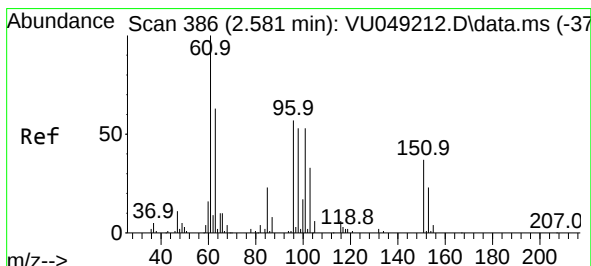
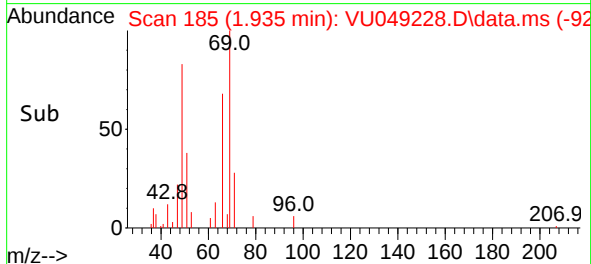
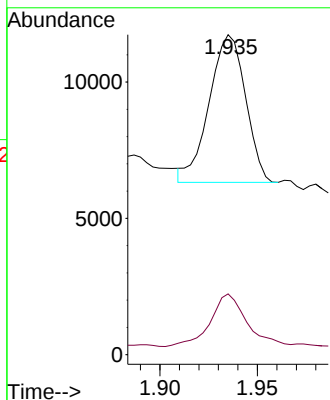
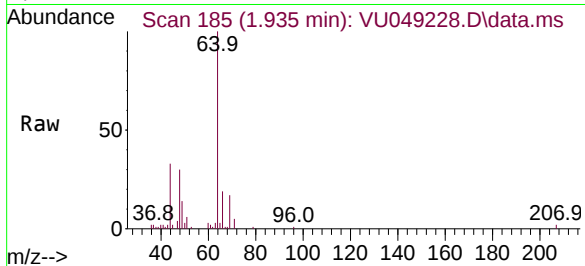




#8
Chloroethane
Concen: 1.227 ug/L
RT: 1.935 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU049228.D
Acq: 17 Jun 2022 00:43

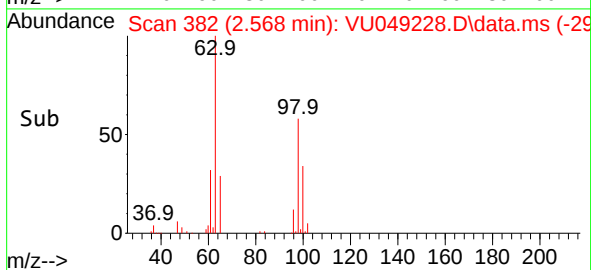
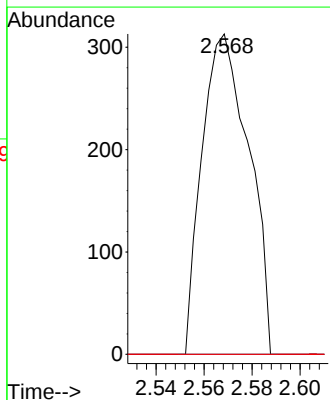
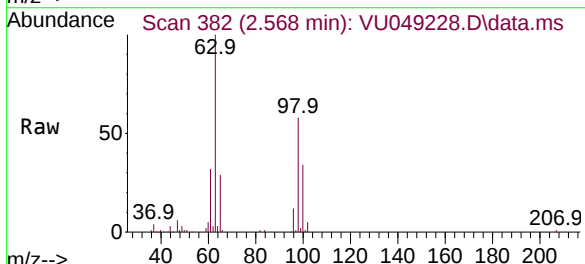
Instrument :
MSVOA_U
ClientSampleId :

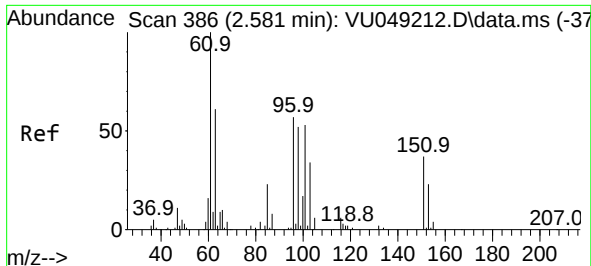
Tgt Ion: 64 Resp: 7020
Ion Ratio Lower Upper
64 100
66 19.0 20.9 38.9#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.062 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.013 min
Lab File: VU049228.D
Acq: 17 Jun 2022 00:43

Tgt Ion:101 Resp: 424
Ion Ratio Lower Upper
101 100
85 0.0 36.1 54.1#
151 0.0 56.8 85.2#

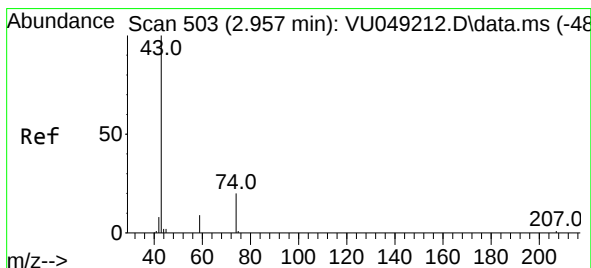
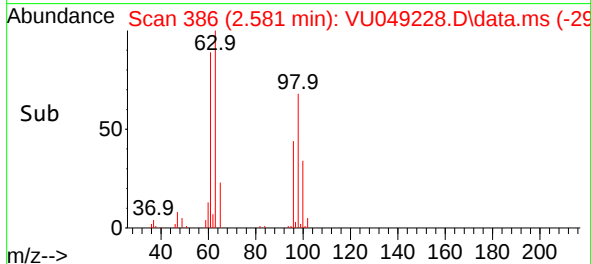
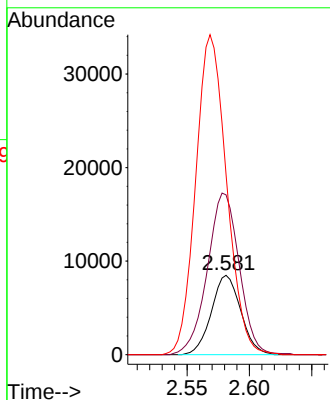
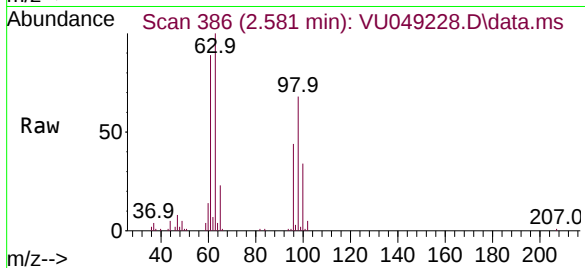




#12
1,1-Dichloroethene
Concen: 2.108 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.000 min
Lab File: VU049228.D
Acq: 17 Jun 2022 00:43

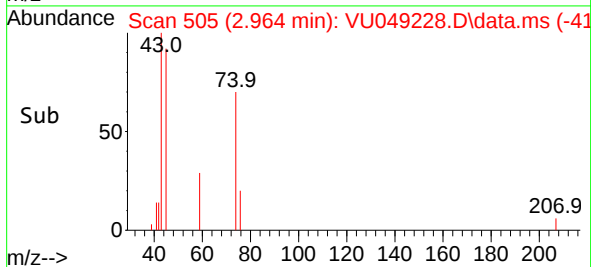
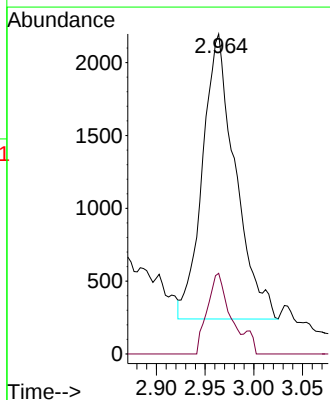
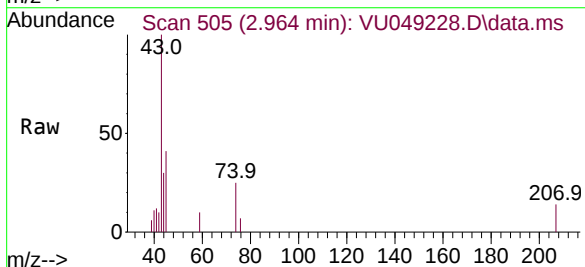
Instrument :
MSVOA_U
ClientSampleId :

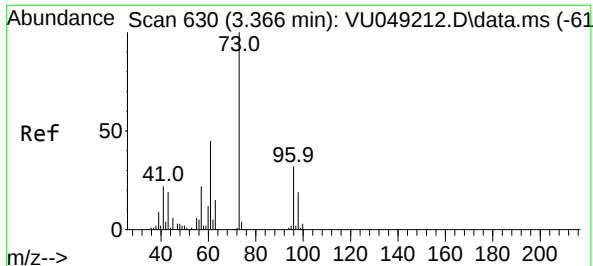
Tgt Ion: 96 Resp: 13937
Ion Ratio Lower Upper
96 100
61 201.1 127.2 236.2
63 226.9 94.7 175.9#



#15
Methyl Acetate
Concen: 1.263 ug/L
RT: 2.964 min Scan# 505
Delta R.T. 0.006 min
Lab File: VU049228.D
Acq: 17 Jun 2022 00:43

Tgt Ion: 43 Resp: 4587
Ion Ratio Lower Upper
43 100
74 19.3 17.6 26.4

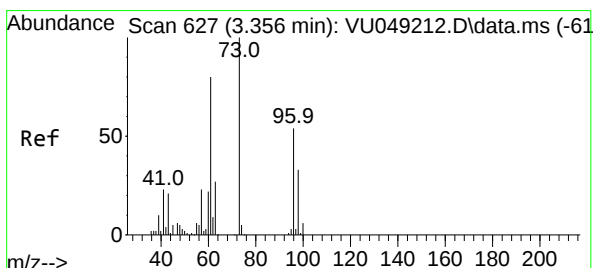
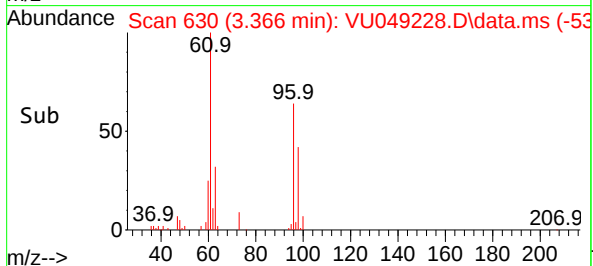
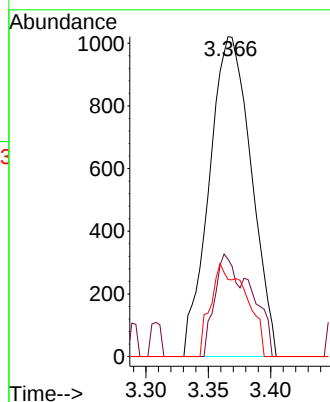
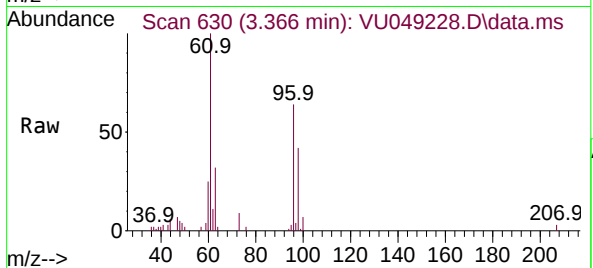




#17
Methyl tert-butyl Ether
Concen: 0.119 ug/L
RT: 3.366 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU049228.D
Acq: 17 Jun 2022 00:43

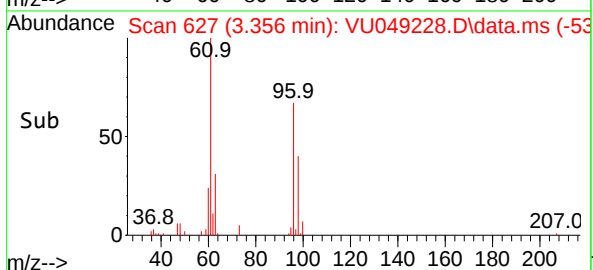
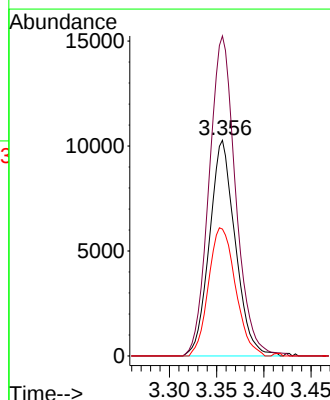
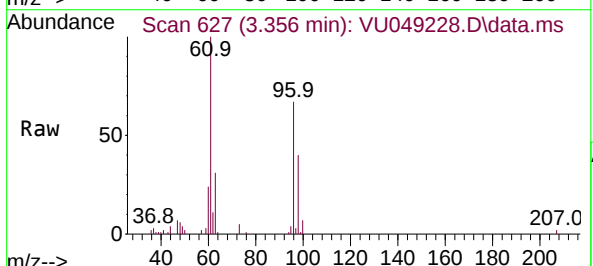
Instrument :
MSVOA_U
ClientSampleId :

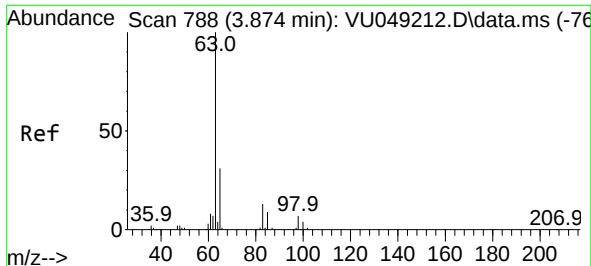
Tgt Ion: 73	Resp: 2389
Ion Ratio	Lower Upper
73	100
43	17.2 16.5 24.7
57	24.5 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 2.664 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.000 min
Lab File: VU049228.D
Acq: 17 Jun 2022 00:43

Tgt Ion: 96	Resp: 19518
Ion Ratio	Lower Upper
96	100
61	148.4 103.3 191.9
98	58.9 44.0 81.8





#19

1,1-Dichloroethane

Concen: 3.285 ug/L

RT: 3.871 min Scan# 71

Delta R.T. -0.003 min MSVOA_U

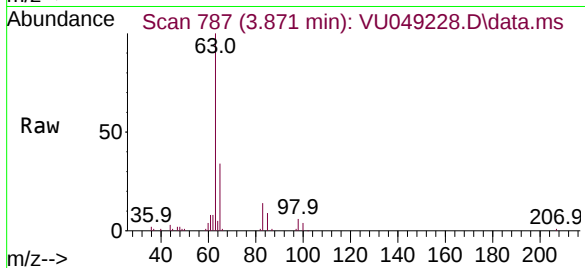
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Acq: 17 Jun 2022 00:43

Instrument :

MSVOA_U

ClientSampleId :



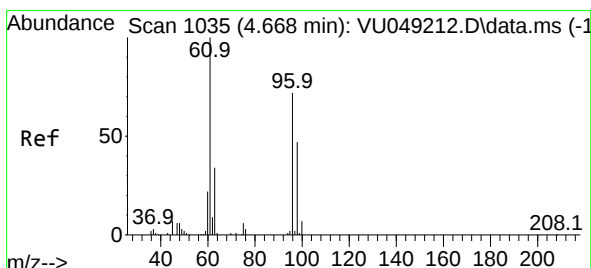
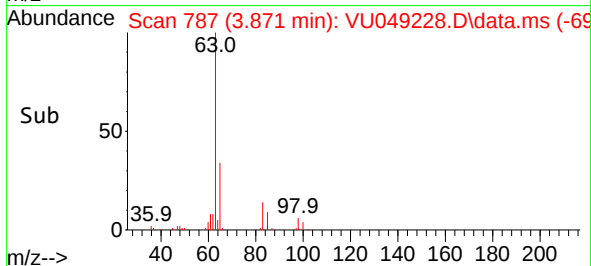
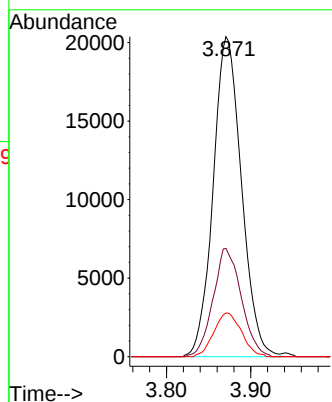
Tgt Ion: 63 Resp: 47462

Ion Ratio Lower Upper

63 100

65 33.8 24.0 44.6

83 13.7 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 3.063 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU049228.D

Acq: 17 Jun 2022 00:43

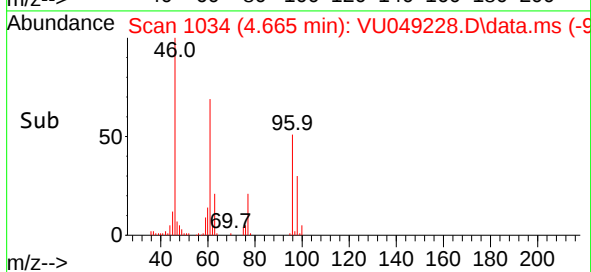
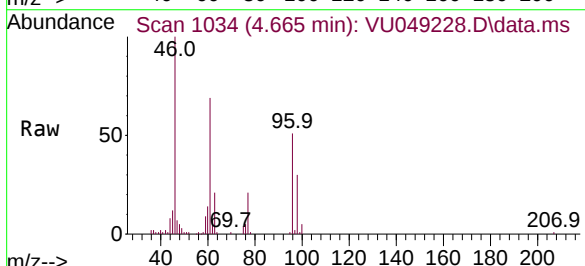
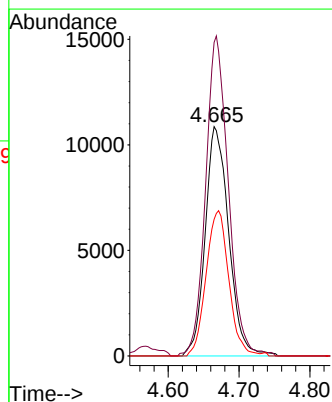
Tgt Ion: 96 Resp: 25094

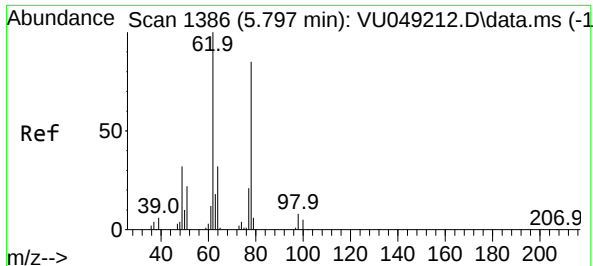
Ion Ratio Lower Upper

96 100

61 136.8 99.5 184.9

98 59.6 44.8 83.2





#27

1,2-Dichloroethane

Concen: 0.421 ug/L

RT: 5.800 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049228.D

Acq: 17 Jun 2022 00:43

Instrument :

MSVOA_U

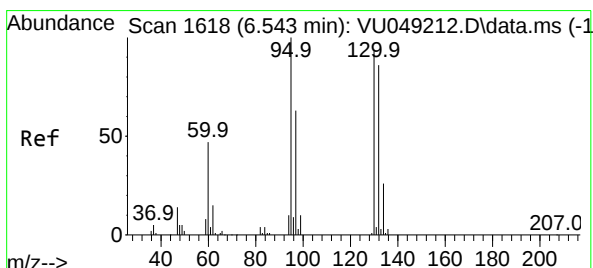
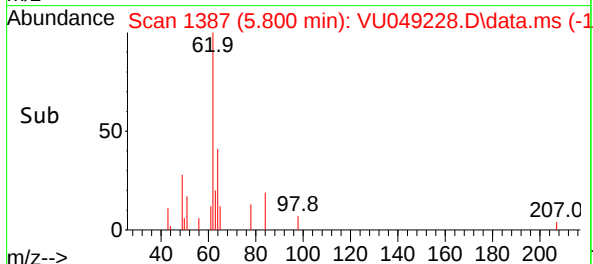
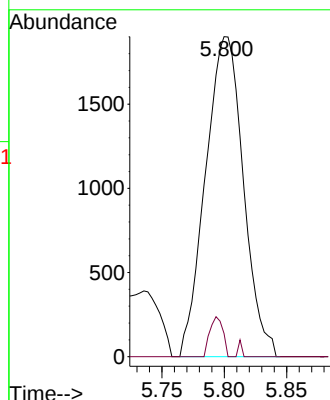
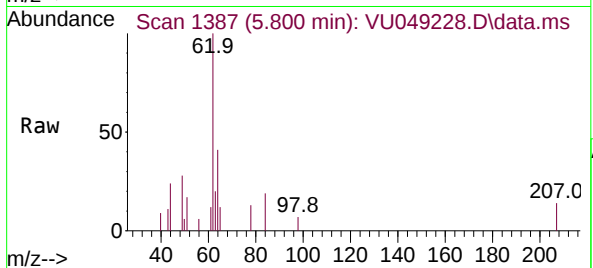
ClientSampleId :

Tgt Ion: 62 Resp: 4019

Ion Ratio Lower Upper

62 100

98 7.3 7.6 11.4#



#34

Trichloroethene

Concen: 1.949 ug/L

RT: 6.542 min Scan# 1618

Delta R.T. -0.000 min

Lab File: VU049228.D

Acq: 17 Jun 2022 00:43

Tgt Ion: 95 Resp: 16253

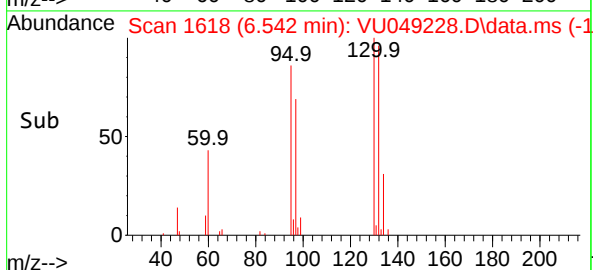
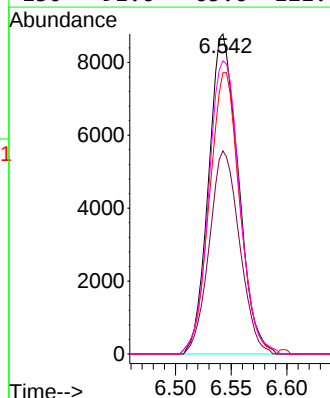
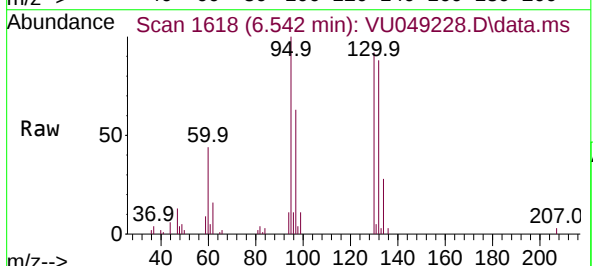
Ion Ratio Lower Upper

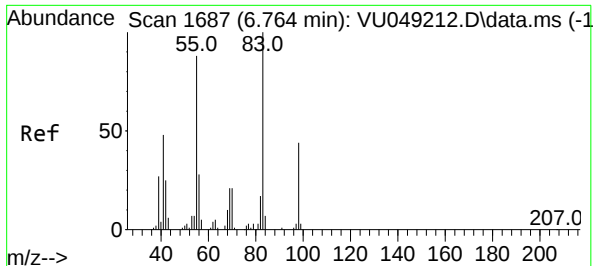
95 100

97 63.5 45.3 84.1

132 87.9 61.5 114.3

130 91.6 65.6 121.8





#35

Methylcyclohexane

Concen: 0.854 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU049228.D

Acq: 17 Jun 2022 00:43

Instrument :

MSVOA_U

ClientSampleId :

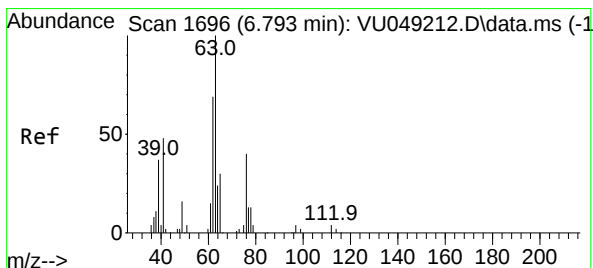
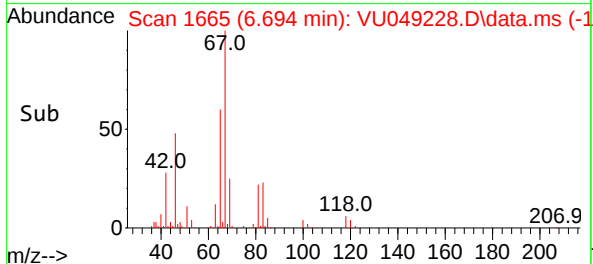
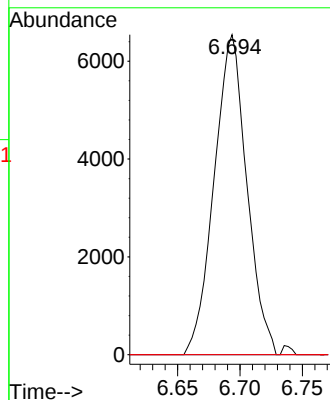
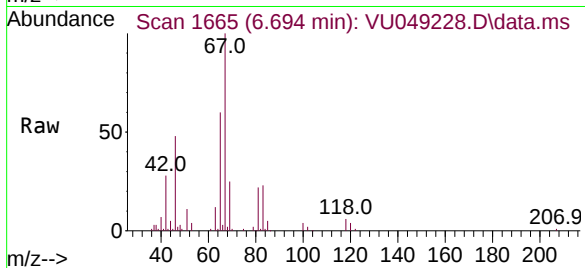
Tgt Ion: 83 Resp: 11947

Ion Ratio Lower Upper

83 100

55 0.0 66.9 100.3#

98 5.6 35.5 53.3#



#37

1,2-Dichloropropane

Concen: 0.163 ug/L

RT: 6.790 min Scan# 1695

Delta R.T. -0.003 min

Lab File: VU049228.D

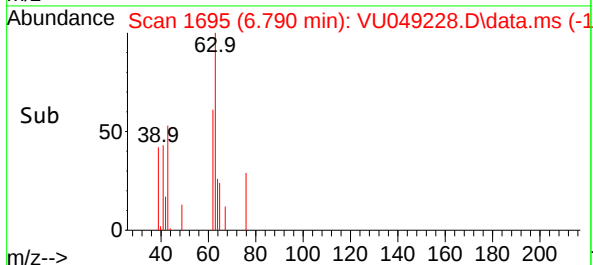
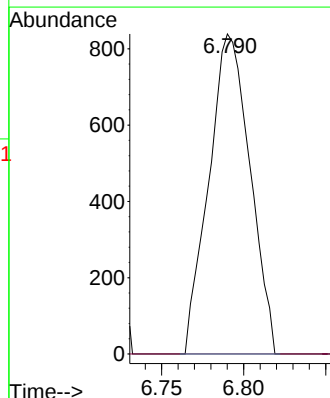
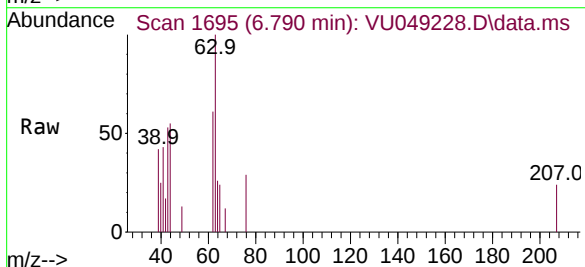
Acq: 17 Jun 2022 00:43

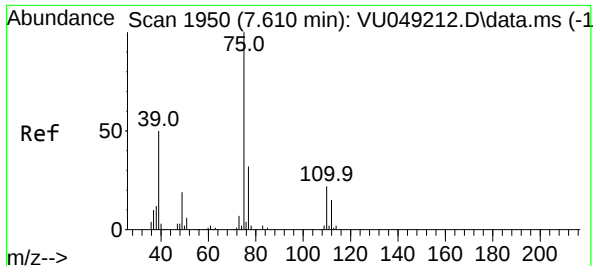
Tgt Ion: 63 Resp: 1462

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#





#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.571 min Scan# 1950

Delta R.T. -0.039 min

Lab File: VU049228.D

Acq: 17 Jun 2022 00:43

Instrument :

MSVOA_U

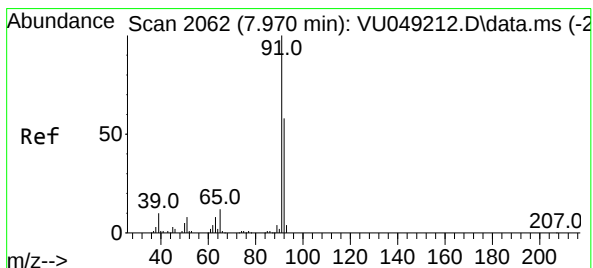
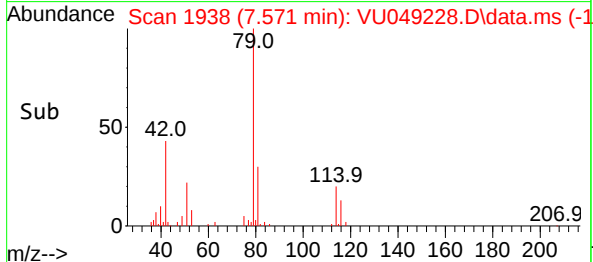
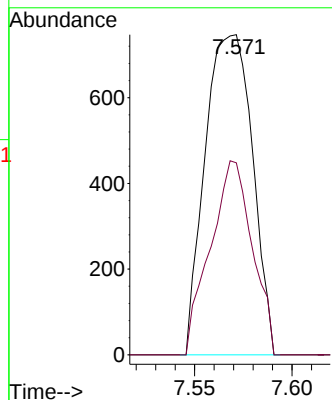
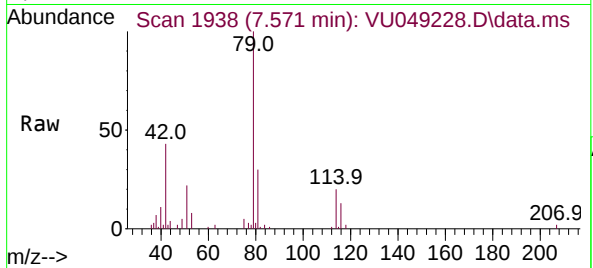
ClientSampleId :

Tgt Ion: 75 Resp: 1263

Ion Ratio Lower Upper

75 100

77 60.0 21.8 40.4#



#42

Toluene

Concen: 0.273 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU049228.D

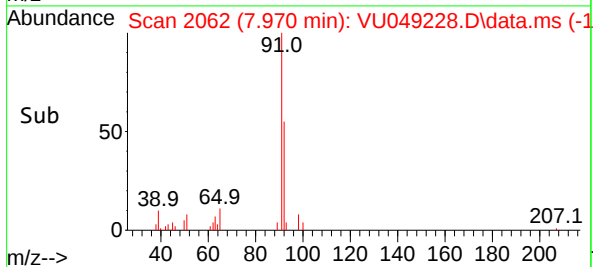
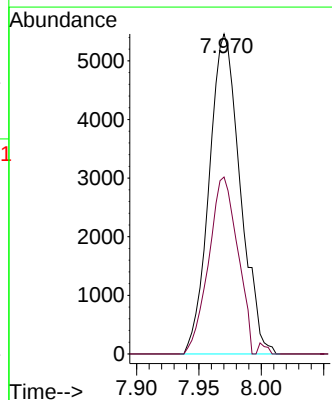
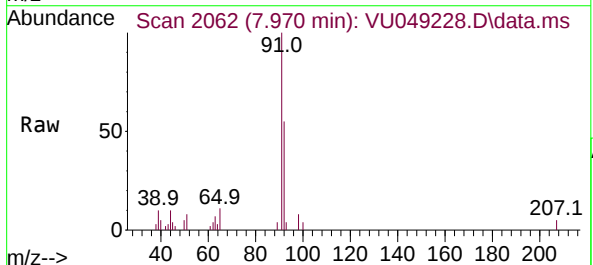
Acq: 17 Jun 2022 00:43

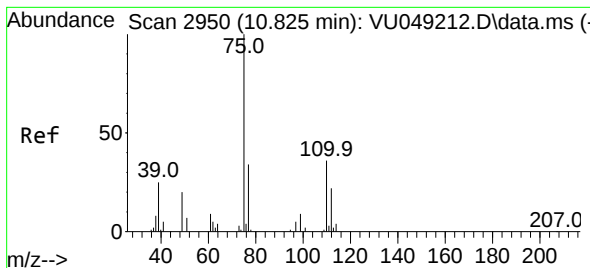
Tgt Ion: 91 Resp: 9461

Ion Ratio Lower Upper

91 100

92 55.3 40.0 74.2





#61

1,2,3-Trichloropropane

Concen: 1.295 ug/L

RT: 11.812 min Scan# 31

Delta R.T. 0.987 min

Lab File: VU049228.D

Acq: 17 Jun 2022 00:43

Instrument :

MSVOA_U

ClientSampleId :

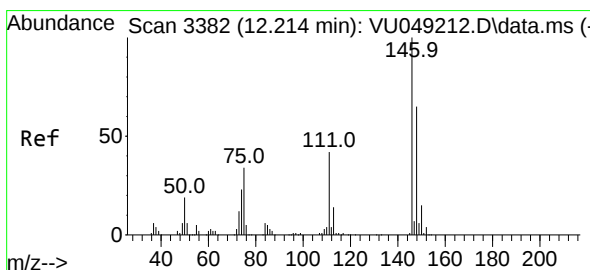
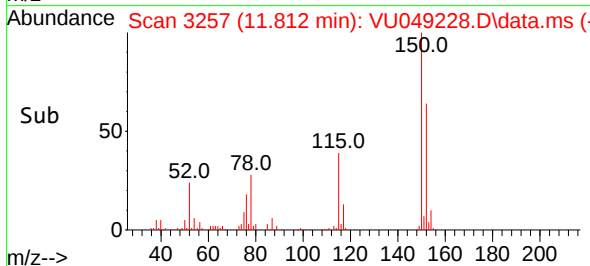
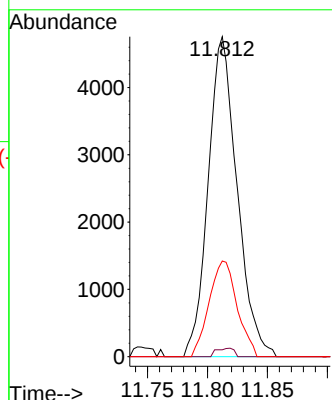
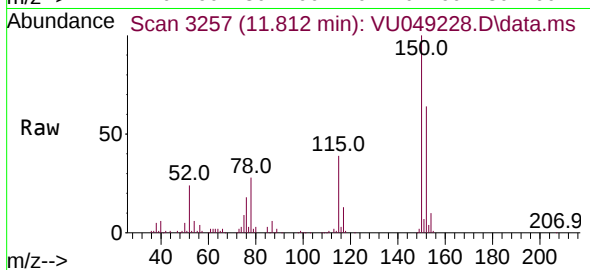
Tgt Ion: 75 Resp: 7968

Ion Ratio Lower Upper

75 100

110 1.6 29.0 43.4#

77 28.8 26.2 39.2



#67

1,2-Dichlorobenzene

Concen: 0.088 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. -0.000 min

Lab File: VU049228.D

Acq: 17 Jun 2022 00:43

Tgt Ion:146 Resp: 1334

Ion Ratio Lower Upper

146 100

111 55.9 36.6 55.0#

148 92.7 52.2 78.4#

