

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120822\
 Data File : VU052286.D
 Acq On : 09 Dec 2022 06:40
 Operator : JC/MD
 Sample : N5960-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 09 07:05:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 04:19:43 2022
 Response via : Initial Calibration

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

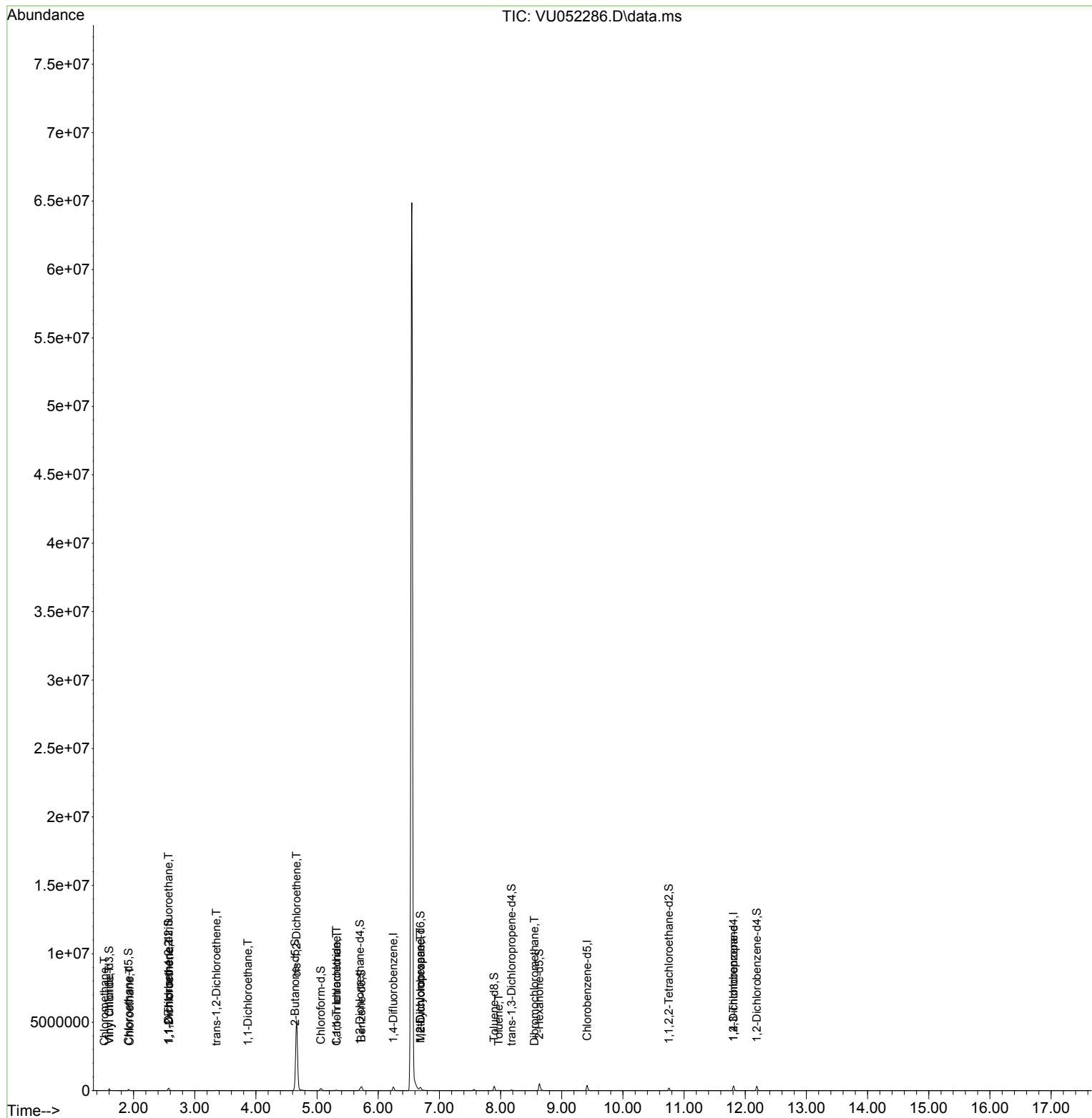
Internal Standards						
1) 1,4-Difluorobenzene	6.246	114	224125	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	225702	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	96200	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	68152	3.126	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.600%
7) Chloroethane-d5	1.915	69	63887	3.773	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.400%
11) 1,1-Dichloroethene-d2	2.571	65	28909	3.699	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.000%
20) 2-Butanone-d5	4.642	46	263766	66.748	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	133.500%#
24) Chloroform-d	5.063	84	145147	4.531	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
26) 1,2-Dichloroethane-d4	5.700	65	79042	4.885	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
32) Benzene-d6	5.726	84	288193	4.301	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.000%
36) 1,2-Dichloropropane-d6	6.690	67	98408	4.746	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.000%
41) Toluene-d8	7.896	98	223231	3.682	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.600%
43) trans-1,3-Dichloroprop...	8.179	79	30587	4.048	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.000%
46) 2-Hexanone-d5	8.632	63	175080	54.670	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.340%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	94368	5.249	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.000%
66) 1,2-Dichlorobenzene-d4	12.188	152	86110	4.675	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						Qvalue
3) Chloromethane	1.523	50	7429	0.293	ug/L	97
5) Vinyl chloride	1.607	62	28707	1.178	ug/L	98
8) Chloroethane	1.938	64	8263	0.545	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	994	0.061	ug/L #	22
12) 1,1-Dichloroethene	2.584	96	16272	1.001	ug/L #	36
18) trans-1,2-Dichloroethene	3.356	96	10752	0.617	ug/L	88
19) 1,1-Dichloroethane	3.867	63	5796	0.185	ug/L	94
22) cis-1,2-Dichloroethene	4.665	96	2700562	147.644	ug/L	97
29) 1,1,1-Trichloroethane	5.317	97	26616	1.063	ug/L	98
31) Carbon tetrachloride	5.317	117	3272	0.154	ug/L	84
35) Methylcyclohexane	6.690	83	21288	0.808	ug/L #	20
37) 1,2-Dichloropropane	6.690	63	10142	0.533	ug/L #	94
42) Toluene	7.970	91	19794	0.262	ug/L	97
49) Dibromochloromethane	8.552	129	1802	0.113	ug/L #	12
61) 1,2,3-Trichloropropane	11.806	75	11685	1.061	ug/L #	66

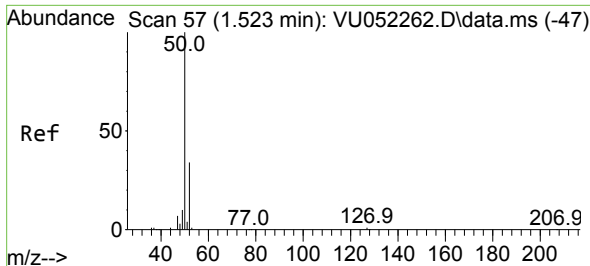
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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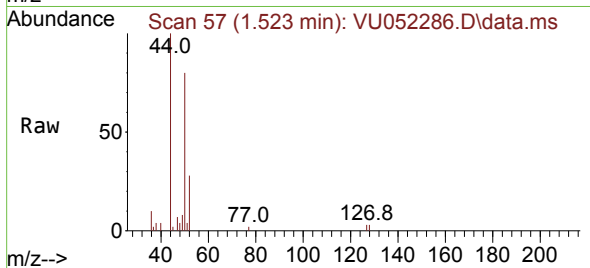
Quant Time: Dec 09 07:05:14 2022
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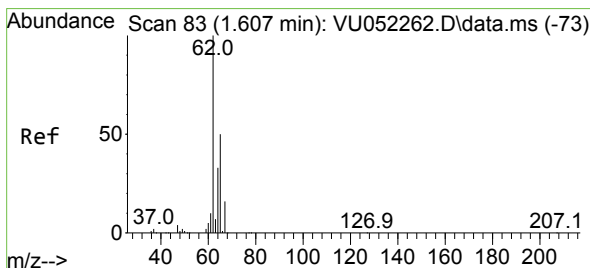
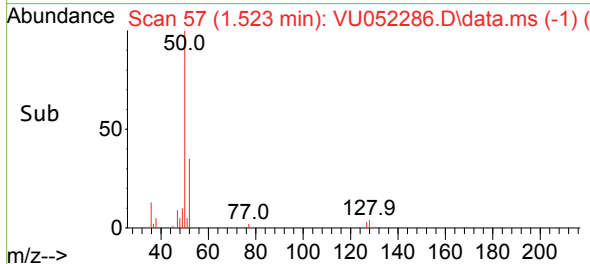
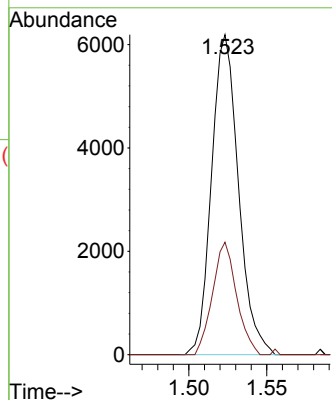


#3
Chloromethane
Concen: 0.293 ug/L
RT: 1.523 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU052286.D
Acq: 09 Dec 2022 06:40

Instrument :
MSVOA_U
ClientSampleId :

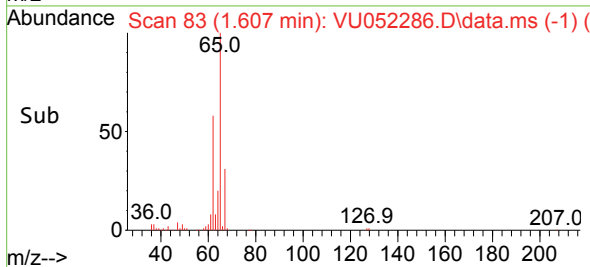
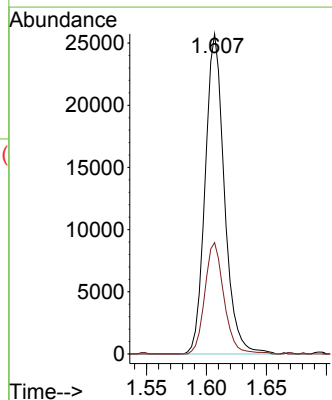
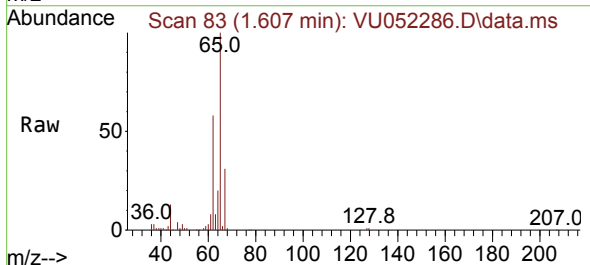


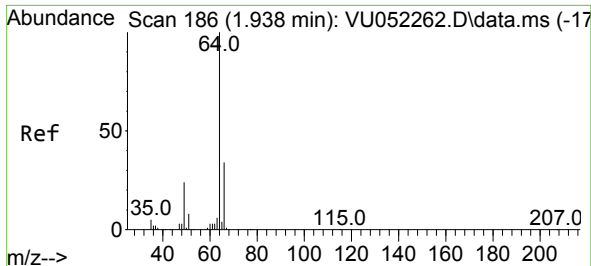
Tgt Ion: 50 Resp: 7429
Ion Ratio Lower Upper
50 100
52 35.1 23.4 43.4



#5
Vinyl chloride
Concen: 1.178 ug/L
RT: 1.607 min Scan# 83
Delta R.T. 0.003 min
Lab File: VU052286.D
Acq: 09 Dec 2022 06:40

Tgt Ion: 62 Resp: 28707
Ion Ratio Lower Upper
62 100
64 34.8 23.5 43.7

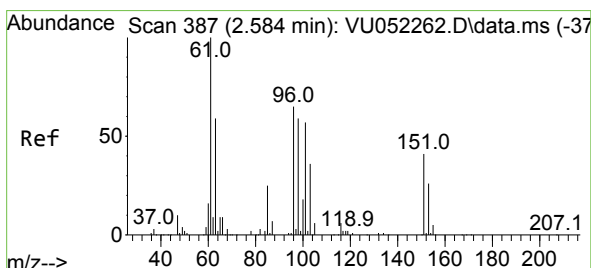
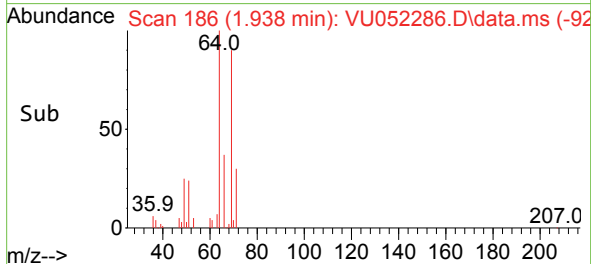
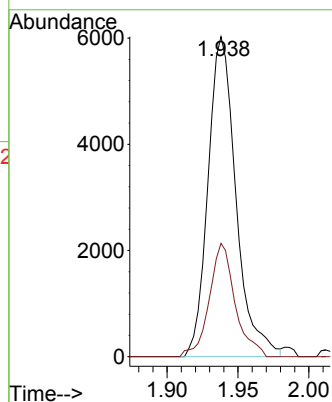
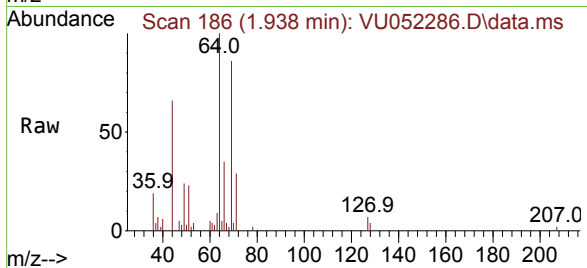




#8
Chloroethane
Concen: 0.545 ug/L
RT: 1.938 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU052286.D
Acq: 09 Dec 2022 06:40

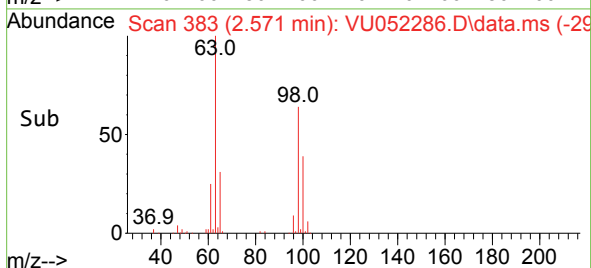
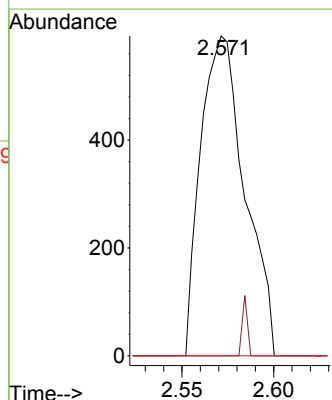
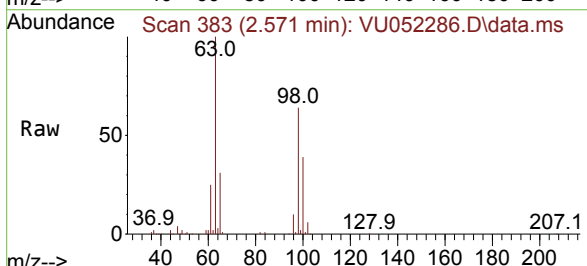
Instrument :
MSVOA_U
ClientSampleId :

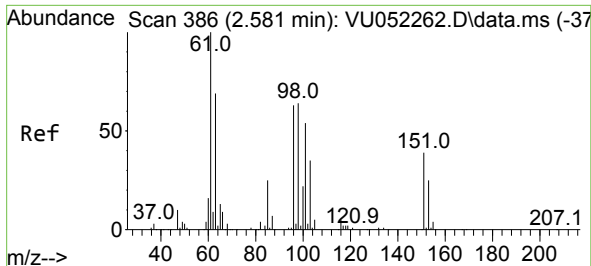
Tgt Ion: 64 Resp: 8263
Ion Ratio Lower Upper
64 100
66 35.4 21.1 39.1



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.061 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.010 min
Lab File: VU052286.D
Acq: 09 Dec 2022 06:40

Tgt Ion: 101 Resp: 994
Ion Ratio Lower Upper
101 100
85 2.2 33.8 50.6#
151 0.0 58.6 88.0#





#12

1,1-Dichloroethene

Concen: 1.001 ug/L

RT: 2.584 min Scan# 386

Delta R.T. 0.003 min

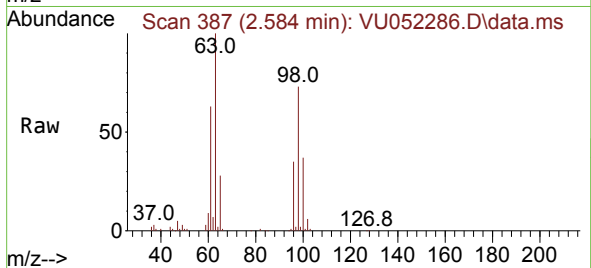
Lab File: VU052286.D

Acq: 09 Dec 2022 06:40

Instrument :

MSVOA_U

ClientSampleId :



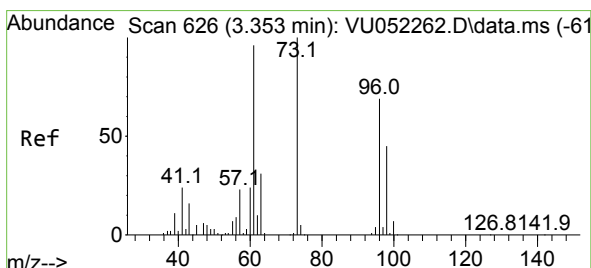
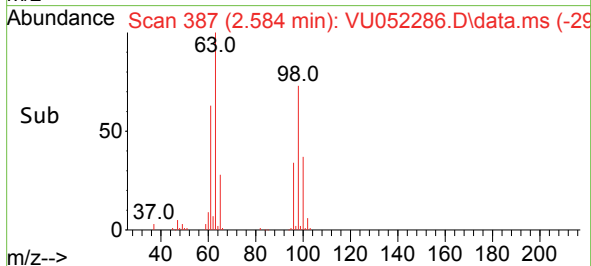
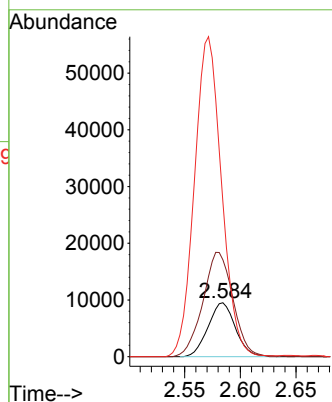
Tgt Ion: 96 Resp: 16272

Ion Ratio Lower Upper

96 100

61 179.7 114.8 213.2

63 286.6 93.7 174.1#



#18

trans-1,2-Dichloroethene

Concen: 0.617 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.003 min

Lab File: VU052286.D

Acq: 09 Dec 2022 06:40

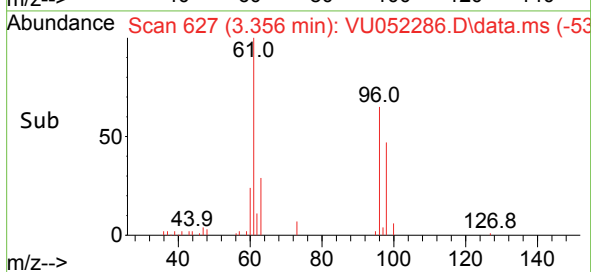
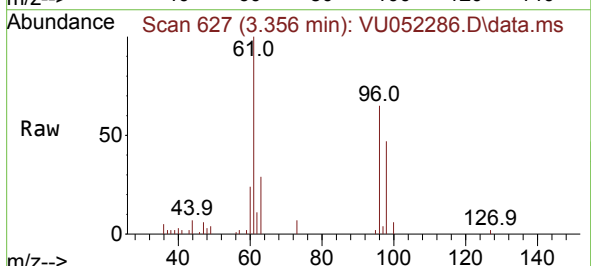
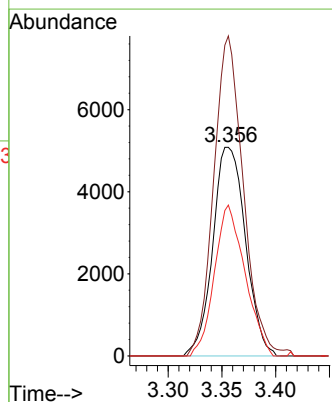
Tgt Ion: 96 Resp: 10752

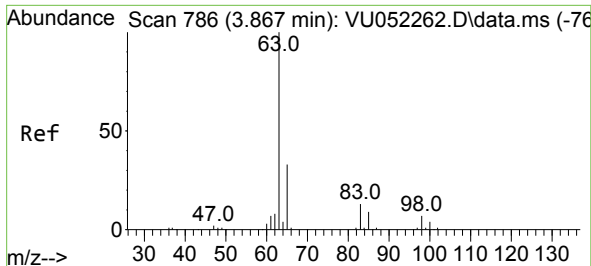
Ion Ratio Lower Upper

96 100

61 153.3 97.9 181.7

98 72.3 43.8 81.3





#19

1,1-Dichloroethane

Concen: 0.185 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

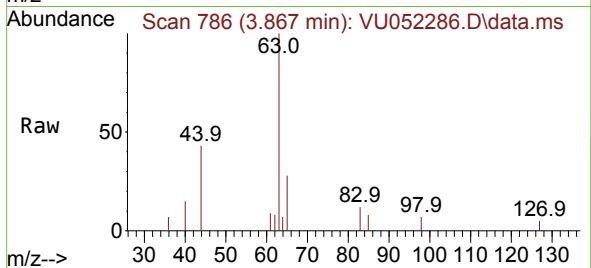
Lab File: VU052286.D

Acq: 09 Dec 2022 06:40

Instrument :

MSVOA_U

ClientSampleId :



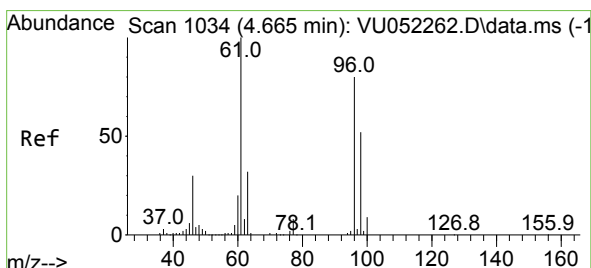
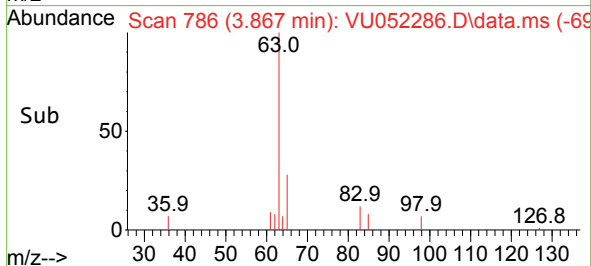
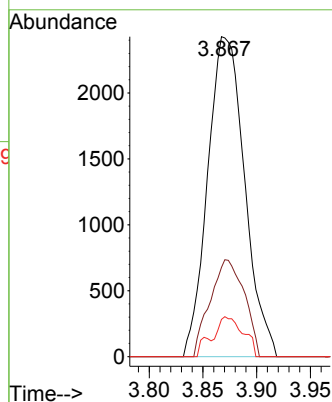
Tgt Ion: 63 Resp: 5796

Ion Ratio Lower Upper

63 100

65 27.9 22.2 41.2

83 11.7 9.2 17.0



#22

cis-1,2-Dichloroethene

Concen: 147.644 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU052286.D

Acq: 09 Dec 2022 06:40

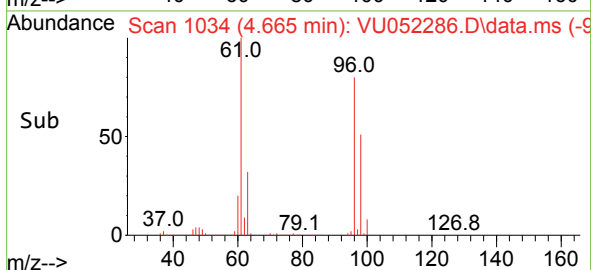
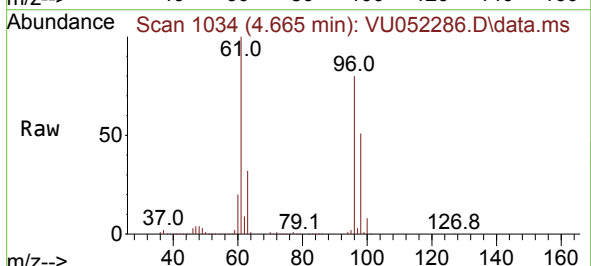
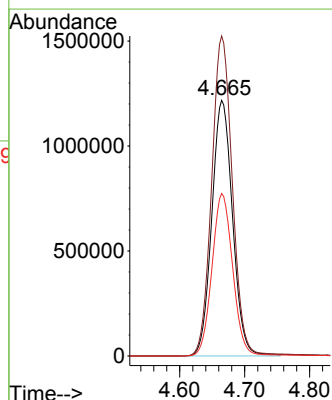
Tgt Ion: 96 Resp: 2700562

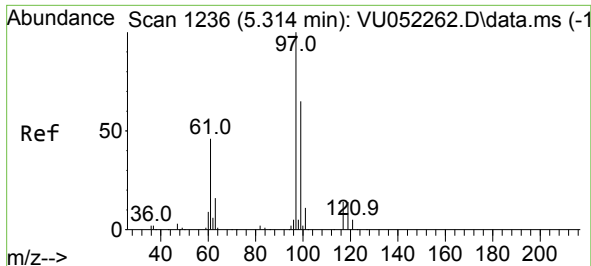
Ion Ratio Lower Upper

96 100

61 125.2 85.1 158.1

98 63.5 42.8 79.6





#29

1,1,1-Trichloroethane

Concen: 1.063 ug/L

RT: 5.317 min Scan# 1236

Delta R.T. 0.003 min

Lab File: VU052286.D

Acq: 09 Dec 2022 06:40

Instrument :

MSVOA_U

ClientSampleId :

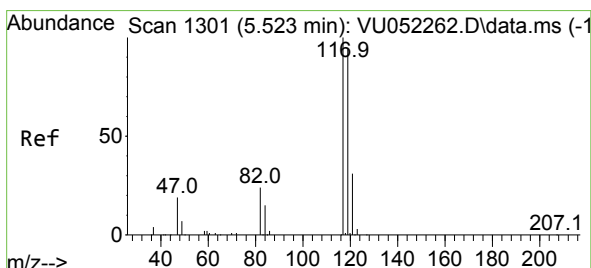
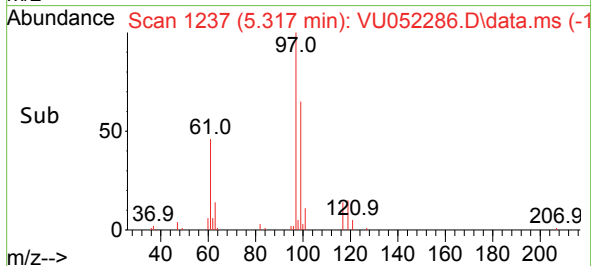
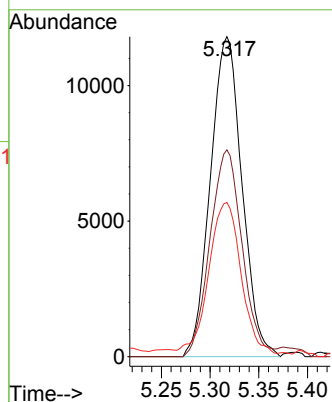
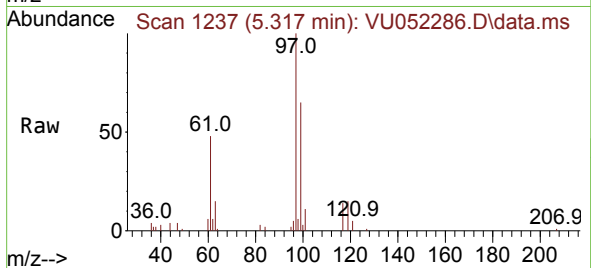
Tgt Ion: 97 Resp: 26616

Ion Ratio Lower Upper

97 100

99 65.7 51.0 76.6

61 47.8 36.9 55.3



#31

Carbon tetrachloride

Concen: 0.154 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.206 min

Lab File: VU052286.D

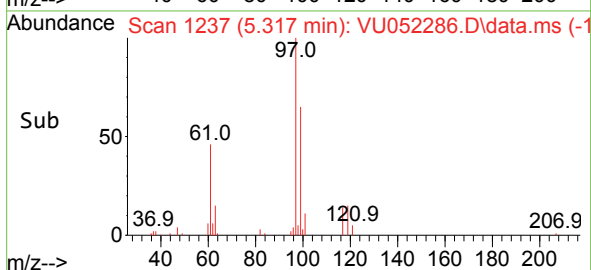
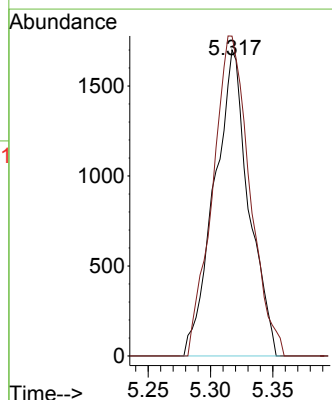
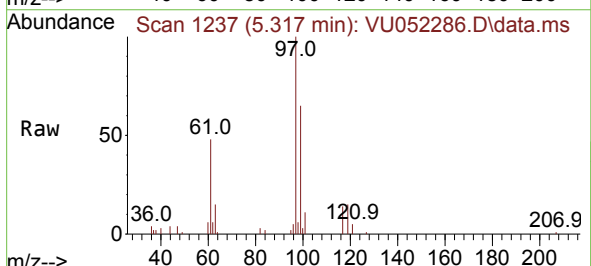
Acq: 09 Dec 2022 06:40

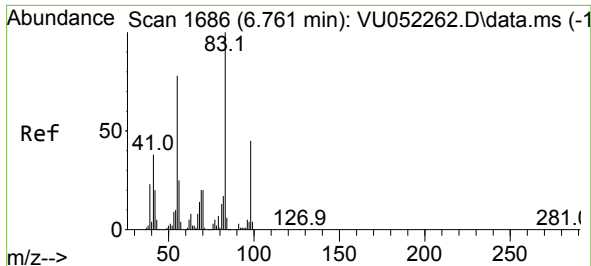
Tgt Ion: 117 Resp: 3272

Ion Ratio Lower Upper

117 100

119 112.6 77.2 115.8





#35

Methylcyclohexane

Concen: 0.808 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU052286.D

Acq: 09 Dec 2022 06:40

Instrument :

MSVOA_U

ClientSampleId :

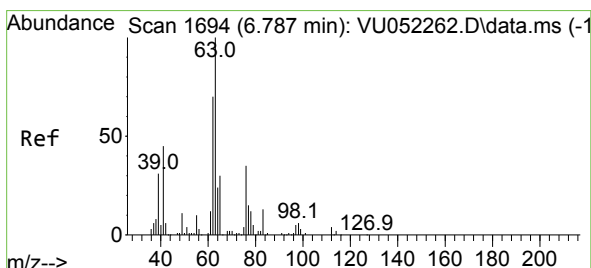
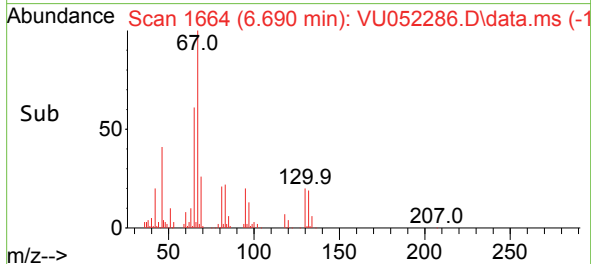
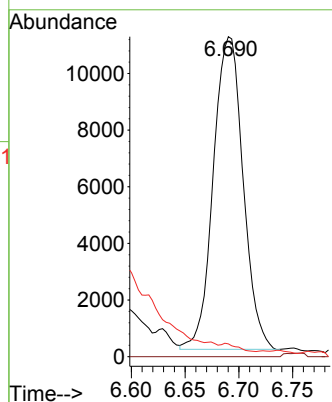
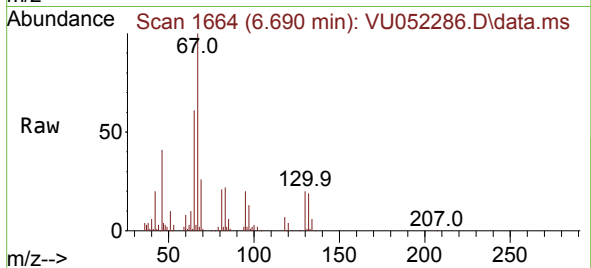
Tgt Ion: 83 Resp: 21288

Ion Ratio Lower Upper

83 100

55 0.7 60.8 91.2#

98 0.0 35.1 52.7#



#37

1,2-Dichloropropane

Concen: 0.533 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.100 min

Lab File: VU052286.D

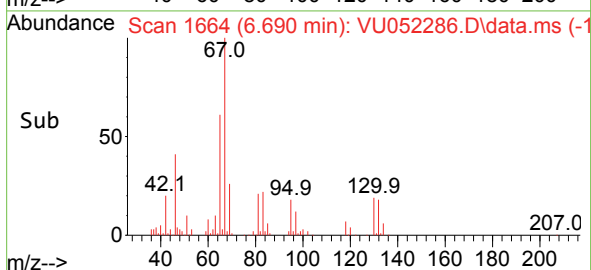
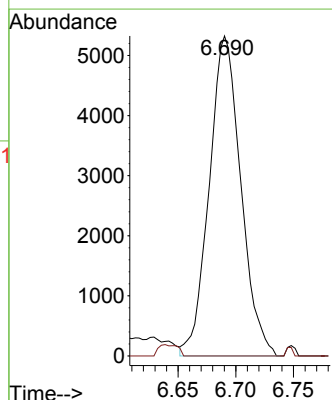
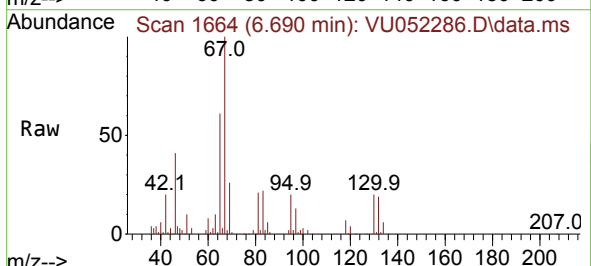
Acq: 09 Dec 2022 06:40

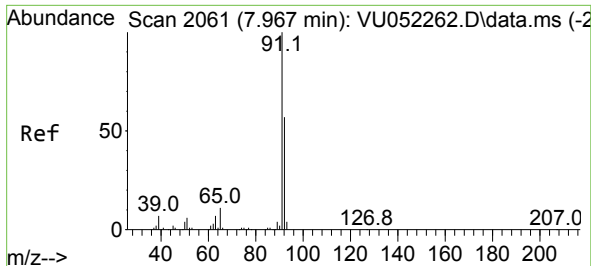
Tgt Ion: 63 Resp: 10142

Ion Ratio Lower Upper

63 100

112 2.1 3.3 4.9#





#42

Toluene

Concen: 0.262 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU052286.D

Acq: 09 Dec 2022 06:40

Instrument :

MSVOA_U

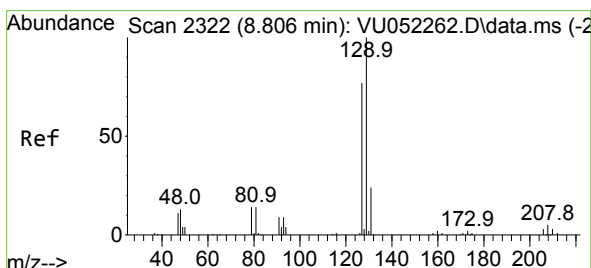
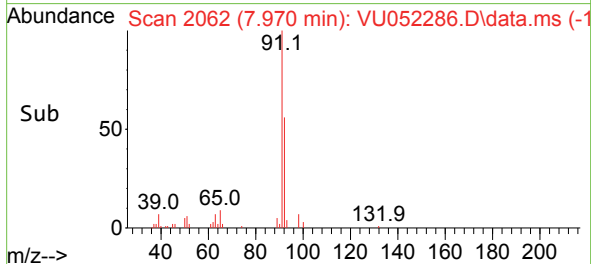
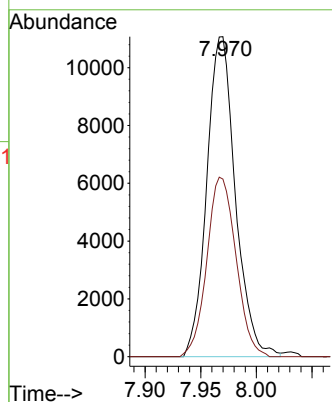
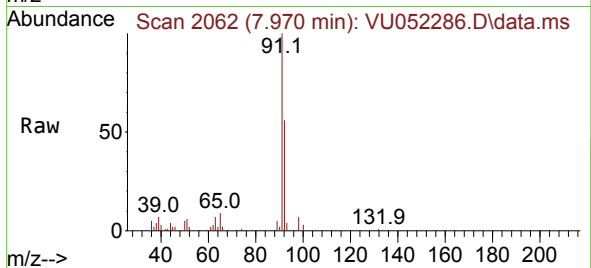
ClientSampleId :

Tgt Ion: 91 Resp: 19794

Ion Ratio Lower Upper

91 100

92 55.5 40.7 75.5



#49

Dibromochloromethane

Concen: 0.113 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.254 min

Lab File: VU052286.D

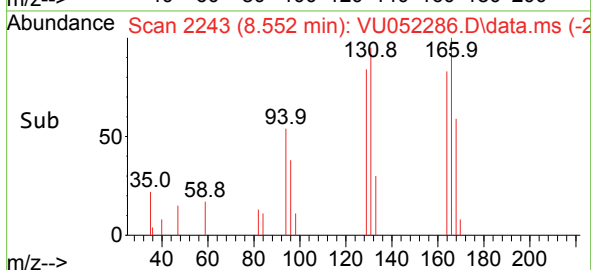
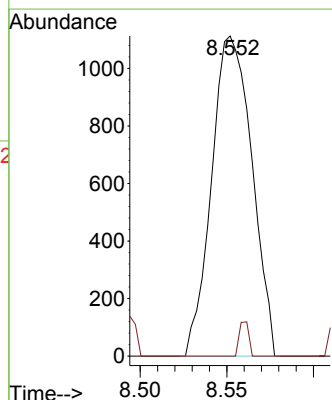
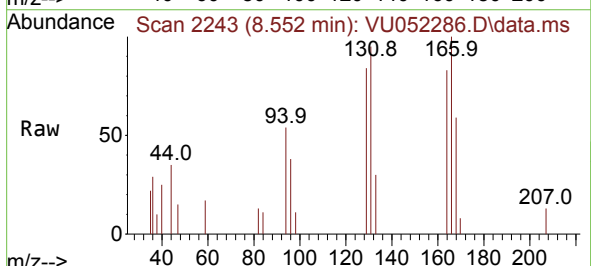
Acq: 09 Dec 2022 06:40

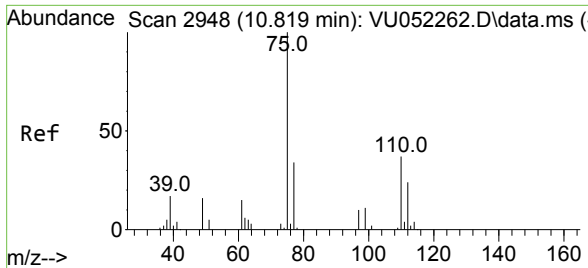
Tgt Ion: 129 Resp: 1802

Ion Ratio Lower Upper

129 100

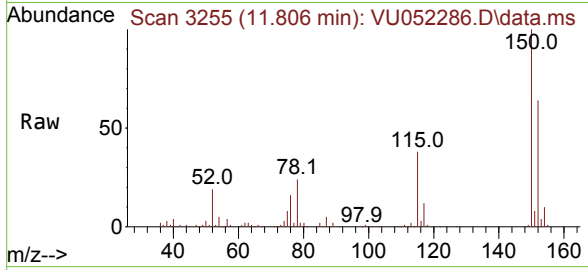
127 0.0 52.8 98.2#





#61
 1,2,3-Trichloropropane
 Concen: 1.061 ug/L
 RT: 11.806 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU052286.D
 Acq: 09 Dec 2022 06:40

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	75	Resp:	11685
Ion	Ratio	Lower	Upper
75	100		
110	0.9	28.3	42.5#
77	28.9	26.2	39.2

