

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040524\
 Data File : VU058443.D
 Acq On : 06 Apr 2024 00:58
 Operator : MD/SY
 Sample : P1948-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 06 06:00:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 06 00:37:11 2024
 Response via : Initial Calibration

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

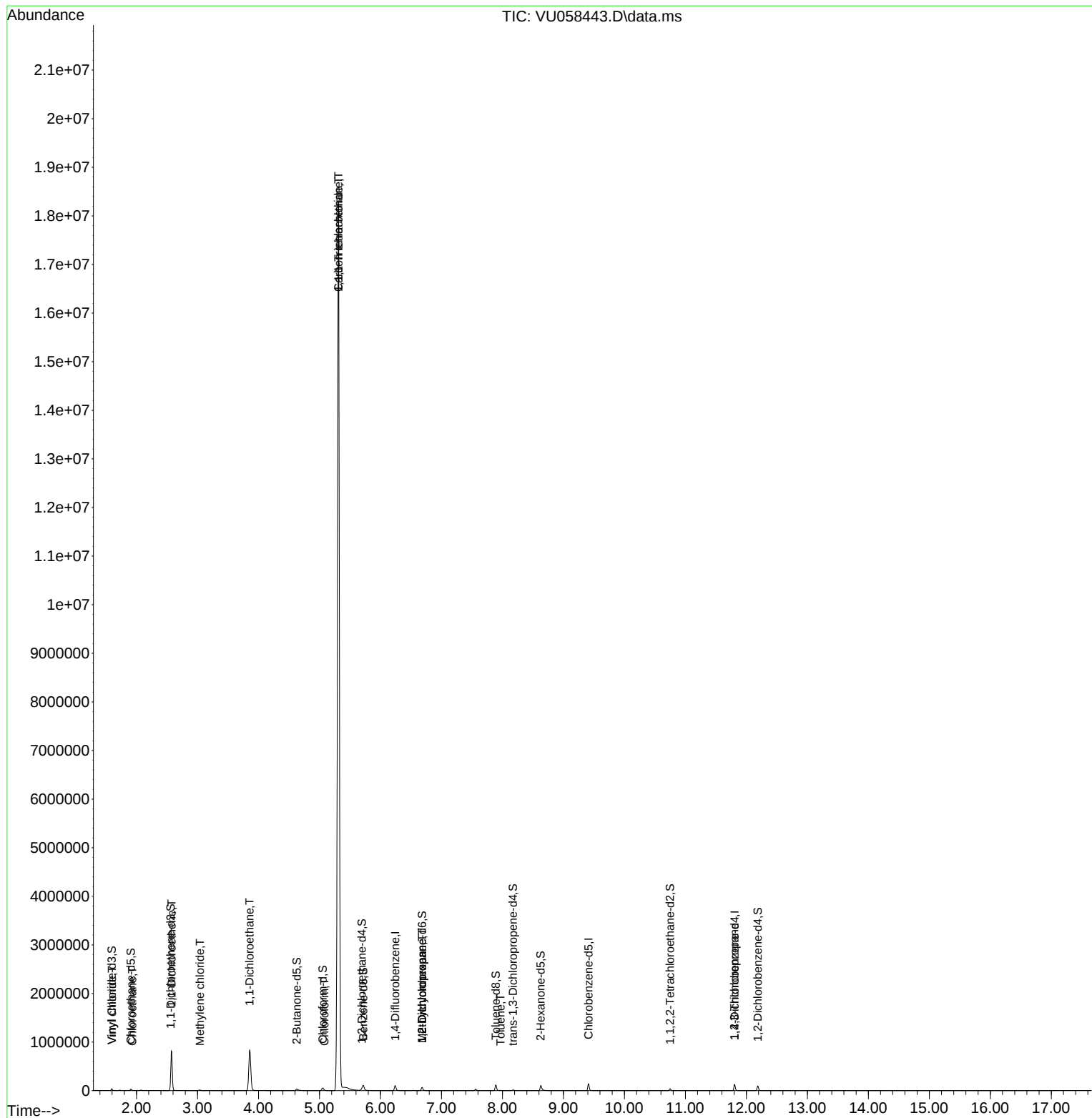
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	82001	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	77987	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	33497	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	21666	3.991	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.800%
7) Chloroethane-d5	1.907	69	20519	4.349	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.000%
11) 1,1-Dichloroethene-d2	2.560	65	10708	4.358	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.200%
20) 2-Butanone-d5	4.628	46	54354	47.508	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.020%
24) Chloroform-d	5.055	84	49326	4.551	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
26) 1,2-Dichloroethane-d4	5.695	65	23189	4.585	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
32) Benzene-d6	5.718	84	97179	4.628	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
36) 1,2-Dichloropropane-d6	6.682	67	32026	4.864	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.891	98	80297	4.312	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
43) trans-1,3-Dichloroprop...	8.174	79	9223	4.512	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.200%
46) 2-Hexanone-d5	8.627	63	37751	44.781	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.560%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	19804	4.260	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	25463	4.513	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	3034	0.363	ug/L	85
8) Chloroethane	1.930	64	1648	0.312	ug/L	94
12) 1,1-Dichloroethene	2.576	96	252051	43.372	ug/L #	76
16) Methylene chloride	3.039	84	6028	0.782	ug/L	89
19) 1,1-Dichloroethane	3.856	63	973949	73.262	ug/L	98
25) Chloroform	5.081	83	3221	0.250	ug/L	95
29) 1,1,1-Trichloroethane	5.312	97	12452441	1190.939	ug/L	98
31) Carbon tetrachloride	5.312	117	1528552	172.621	ug/L	100
35) Methylcyclohexane	6.682	83	6971	0.649	ug/L #	17
37) 1,2-Dichloropropane	6.682	63	3378	0.454	ug/L #	90
42) Toluene	7.968	91	3008	0.101	ug/L	98
61) 1,2,3-Trichloropropane	11.804	75	4744	1.388	ug/L #	69

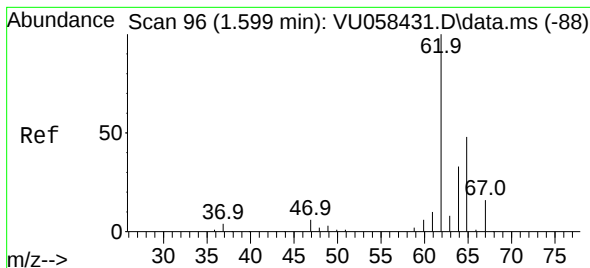
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.363 ug/L

RT: 1.599 min Scan# 90

Delta R.T. 0.000 min

Lab File: VU058443.D

Acq: 06 Apr 2024 00:58

Instrument :

MSVOA_U

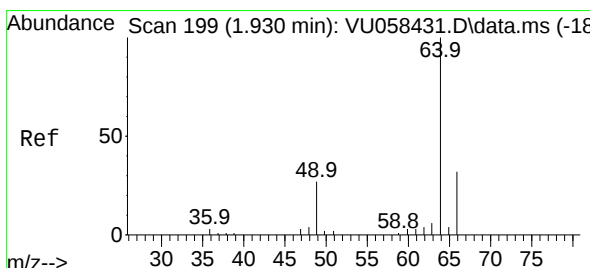
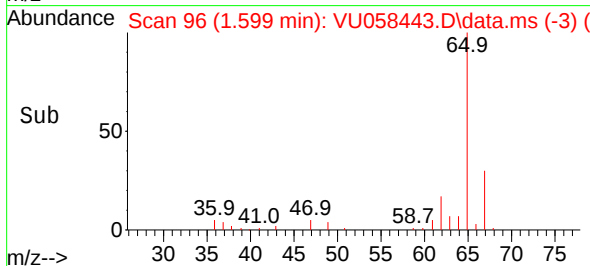
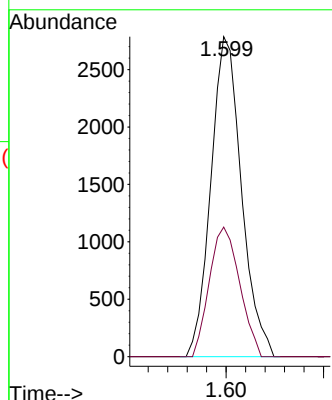
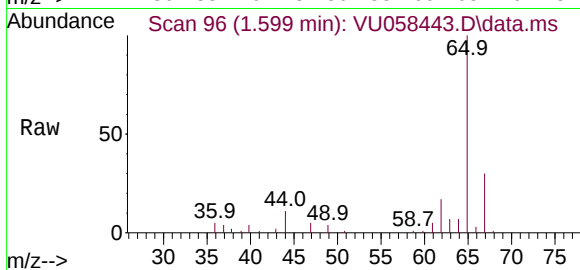
ClientSampleId :

Tgt Ion: 62 Resp: 3034

Ion Ratio Lower Upper

62 100

64 40.5 22.6 42.0



#8

Chloroethane

Concen: 0.312 ug/L

RT: 1.930 min Scan# 199

Delta R.T. 0.000 min

Lab File: VU058443.D

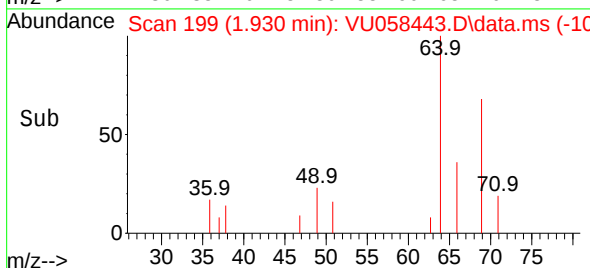
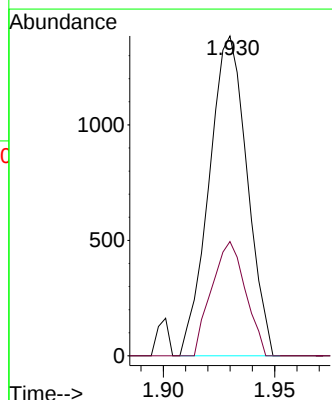
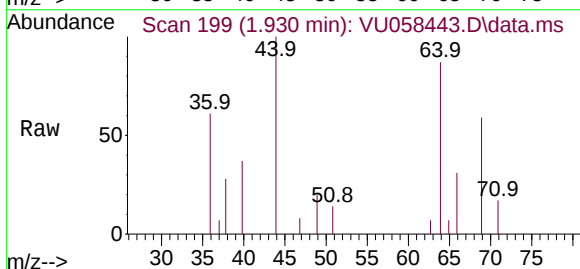
Acq: 06 Apr 2024 00:58

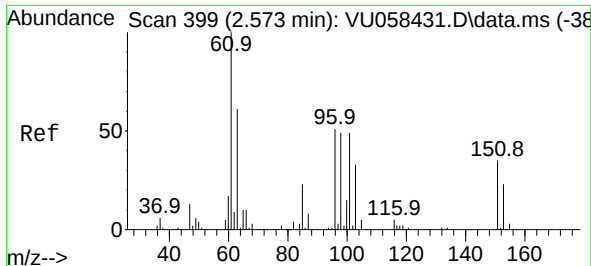
Tgt Ion: 64 Resp: 1648

Ion Ratio Lower Upper

64 100

66 35.7 22.5 41.9

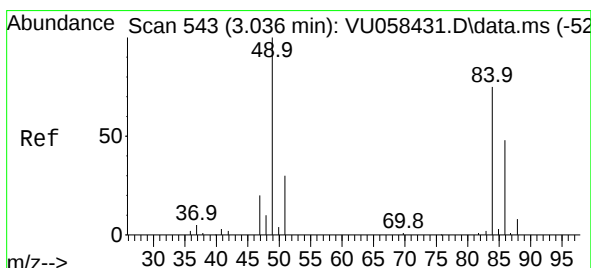
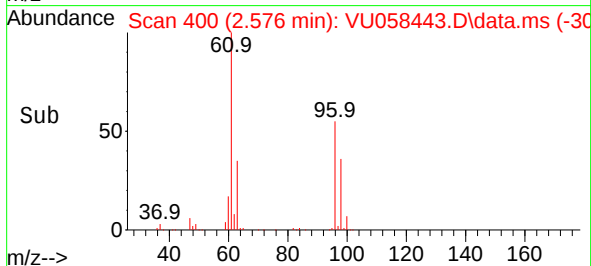
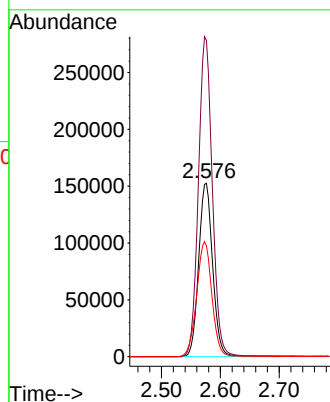
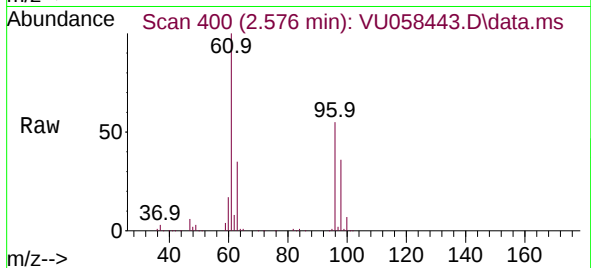




#12
1,1-Dichloroethene
Concen: 43.372 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU058443.D
Acq: 06 Apr 2024 00:58

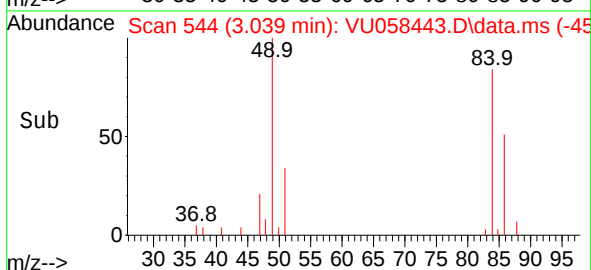
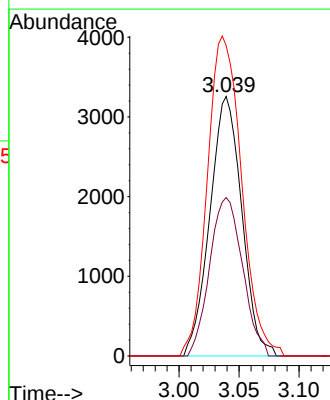
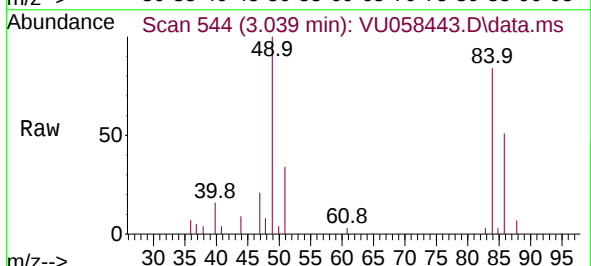
Instrument :
MSVOA_U
ClientSampleId :

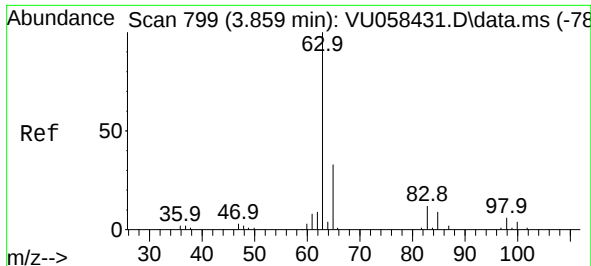
Tgt Ion: 96 Resp: 252051
Ion Ratio Lower Upper
96 100
61 182.2 132.5 246.1
63 64.0 87.7 162.9#



#16
Methylene chloride
Concen: 0.782 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU058443.D
Acq: 06 Apr 2024 00:58

Tgt Ion: 84 Resp: 6028
Ion Ratio Lower Upper
84 100
86 61.1 44.3 82.3
49 119.6 96.0 178.2





#19

1,1-Dichloroethane

Concen: 73.262 ug/L

RT: 3.856 min Scan# 70

Delta R.T. -0.003 min

Lab File: VU058443.D

Acq: 06 Apr 2024 00:58

Instrument :

MSVOA_U

ClientSampleId :

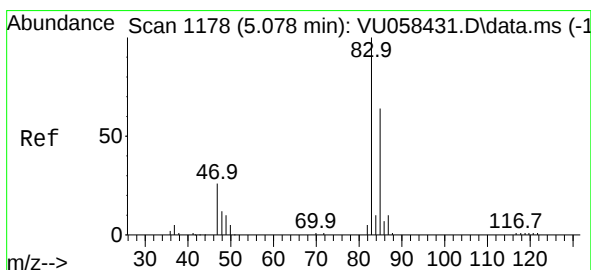
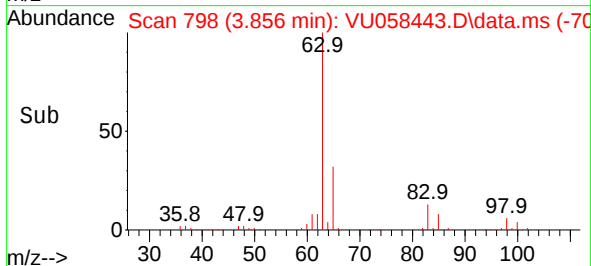
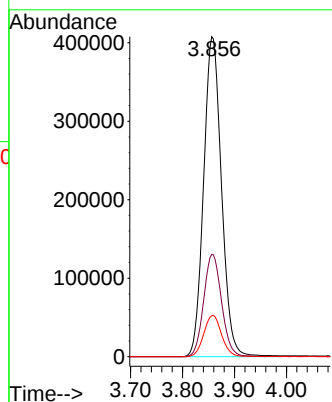
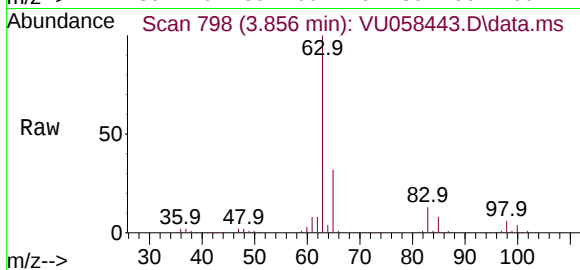
Tgt Ion: 63 Resp: 973949

Ion Ratio Lower Upper

63 100

65 32.0 22.9 42.5

83 12.8 9.6 17.8



#25

Chloroform

Concen: 0.250 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.003 min

Lab File: VU058443.D

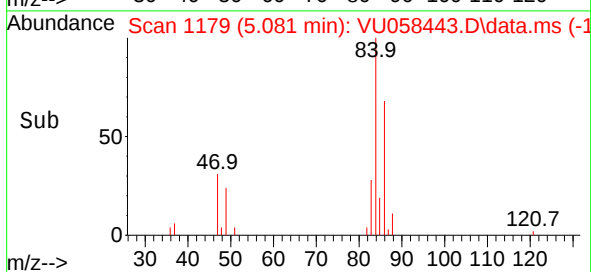
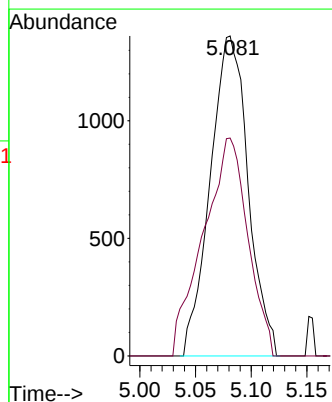
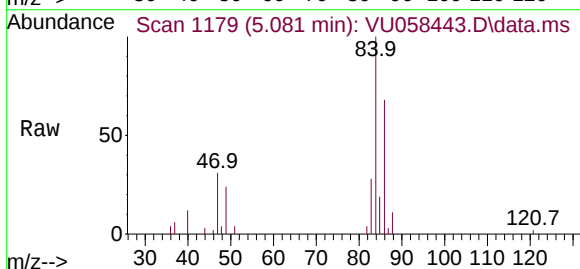
Acq: 06 Apr 2024 00:58

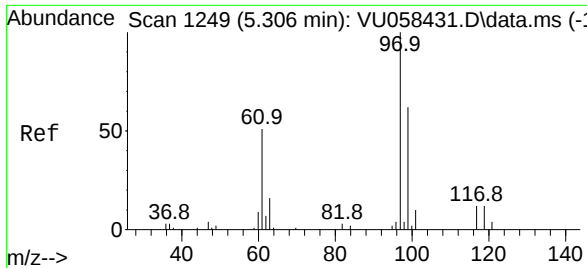
Tgt Ion: 83 Resp: 3221

Ion Ratio Lower Upper

83 100

85 68.1 44.7 83.1

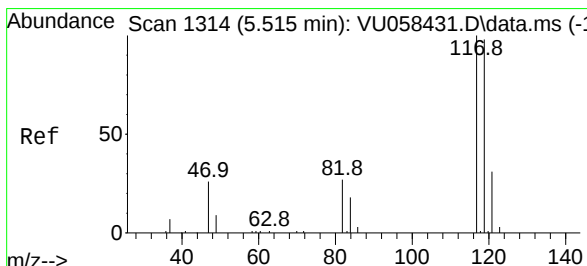
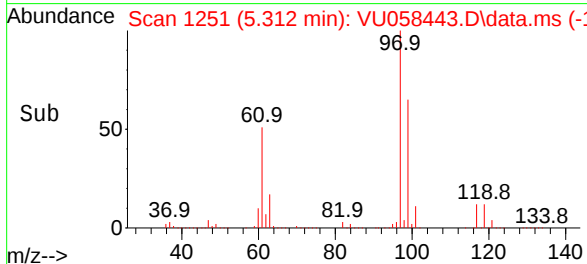
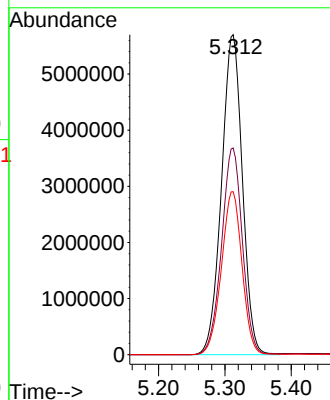
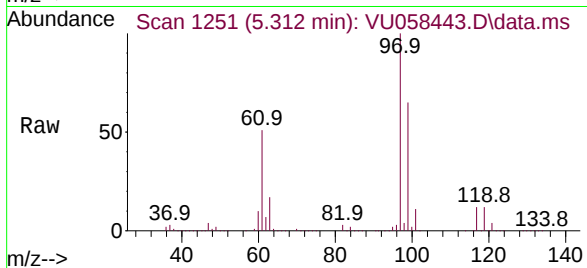




#29
1,1,1-Trichloroethane
Concen: 1190.939 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. 0.007 min
Lab File: VU058443.D
Acq: 06 Apr 2024 00:58

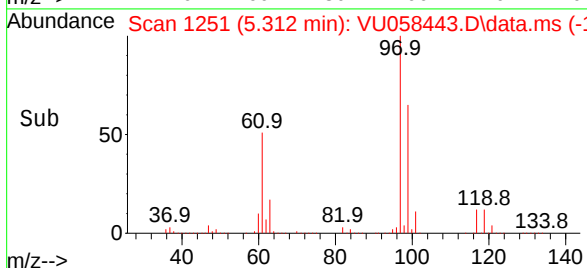
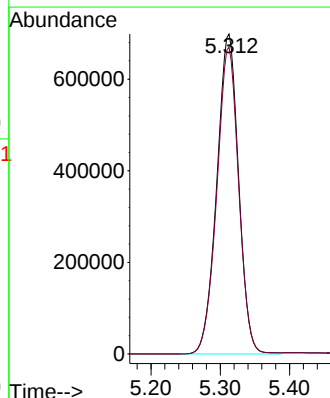
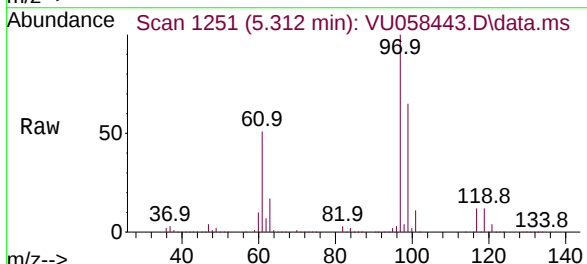
Instrument :
MSVOA_U
ClientSampleId :

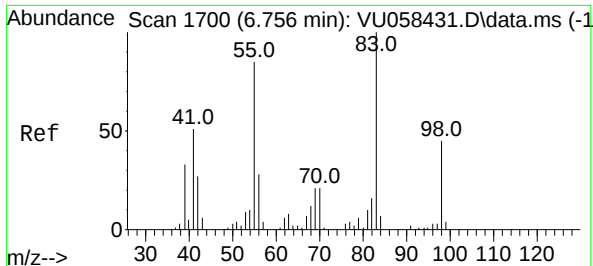
Tgt Ion: 97 Resp:12452441
Ion Ratio Lower Upper
97 100
99 64.4 50.4 75.6
61 50.5 39.4 59.0



#31
Carbon tetrachloride
Concen: 172.621 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. -0.202 min
Lab File: VU058443.D
Acq: 06 Apr 2024 00:58

Tgt Ion:117 Resp: 1528552
Ion Ratio Lower Upper
117 100
119 96.0 76.7 115.1





#35

Methylcyclohexane

Concen: 0.649 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU058443.D

Acq: 06 Apr 2024 00:58

Instrument :

MSVOA_U

ClientSampleId :

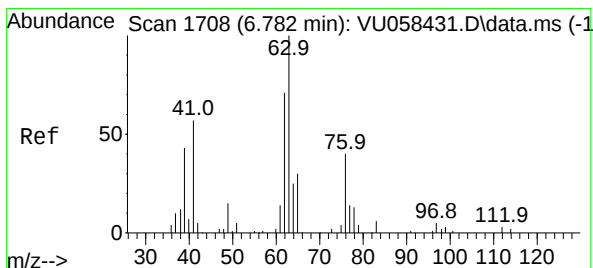
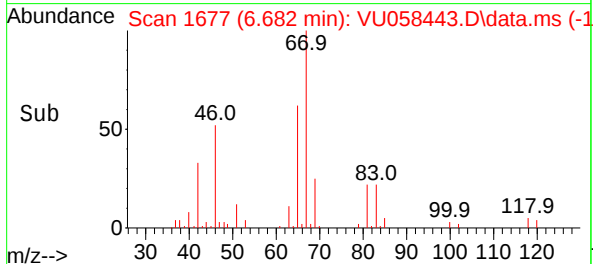
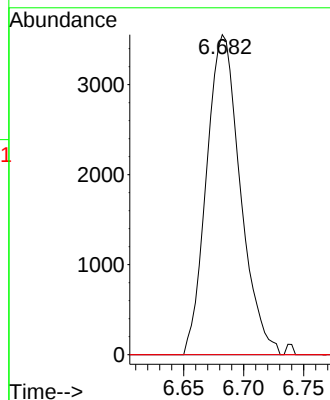
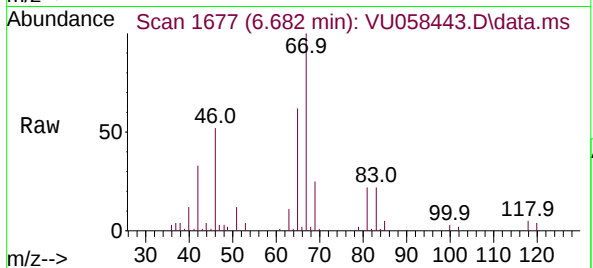
Tgt Ion: 83 Resp: 6971

Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

98 1.6 34.6 52.0#



#37

1,2-Dichloropropane

Concen: 0.454 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.100 min

Lab File: VU058443.D

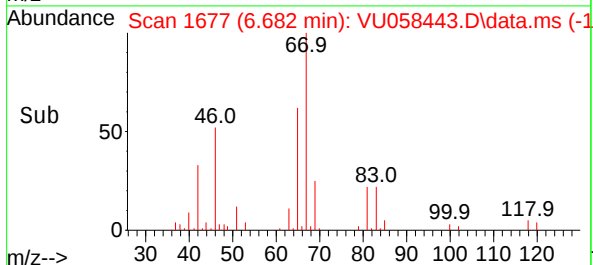
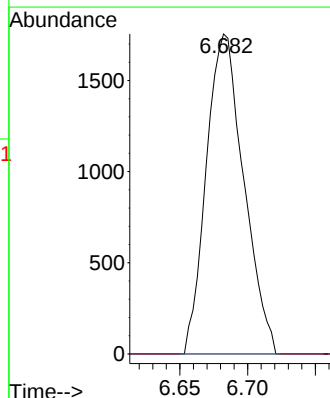
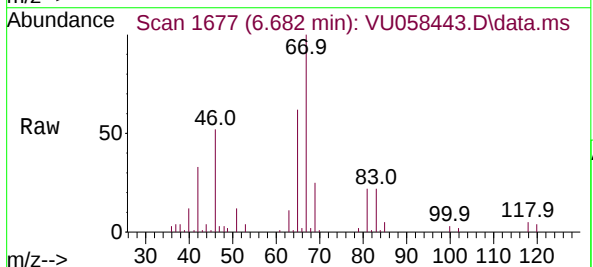
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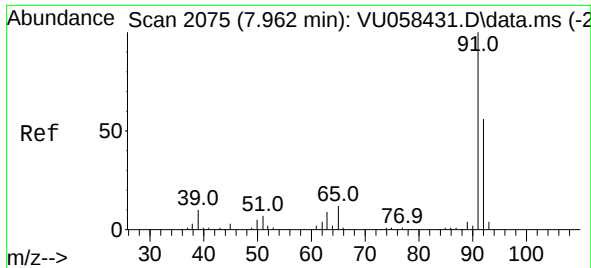
Tgt Ion: 63 Resp: 3378

Ion Ratio Lower Upper

63 100

112 0.0 2.6 4.0#





#42

Toluene

Concen: 0.101 ug/L

RT: 7.968 min Scan# 2075

Delta R.T. 0.007 min

Lab File: VU058443.D

Acq: 06 Apr 2024 00:58

Instrument :

MSVOA_U

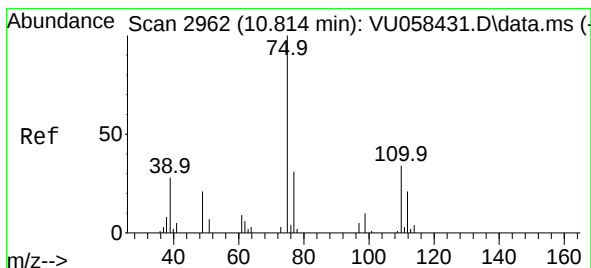
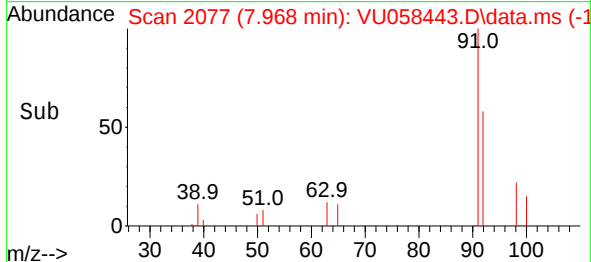
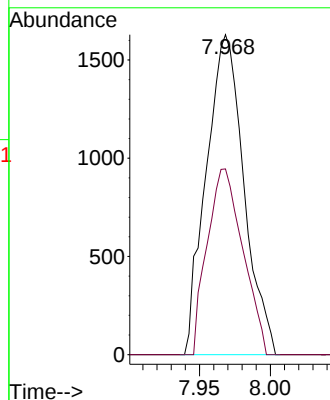
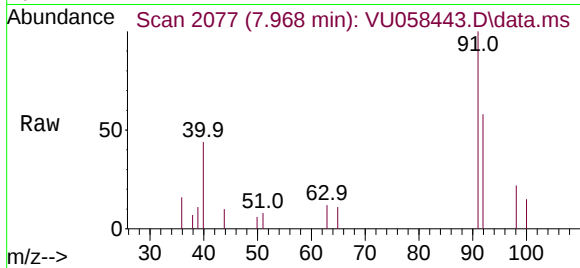
ClientSampleId :

Tgt Ion: 91 Resp: 3008

Ion Ratio Lower Upper

91 100

92 58.1 39.5 73.3



#61

1,2,3-Trichloropropane

Concen: 1.388 ug/L

RT: 11.804 min Scan# 3270

Delta R.T. 0.990 min

Lab File: VU058443.D

Acq: 06 Apr 2024 00:58

Tgt Ion: 75 Resp: 4744

Ion Ratio Lower Upper

75 100

110 0.0 25.8 38.6

77 33.3 25.1 37.7

