

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040524\
 Data File : VU058451.D
 Acq On : 06 Apr 2024 04:06
 Operator : MD/SY
 Sample : P1948-17
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

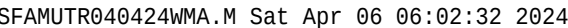
Quant Time: Apr 06 06:02:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 06 00:37:11 2024
 Response via : Initial Calibration

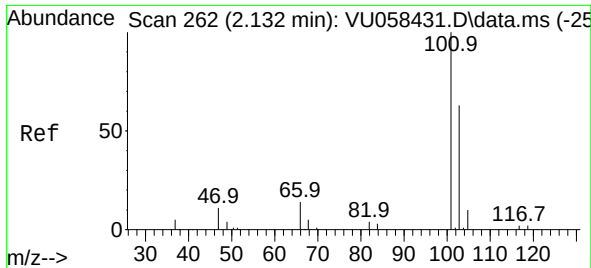
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	83868	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	79429	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	34095	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	23064	4.154	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.000%
7) Chloroethane-d5	1.907	69	20324	4.212	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.200%
11) 1,1-Dichloroethene-d2	2.560	65	11826	4.706	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.200%
20) 2-Butanone-d5	4.624	46	55829	47.711	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.420%
24) Chloroform-d	5.052	84	50305	4.538	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.692	65	24008	4.641	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
32) Benzene-d6	5.718	84	99354	4.646	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
36) 1,2-Dichloropropane-d6	6.682	67	32498	4.846	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.000%
41) Toluene-d8	7.891	98	80999	4.271	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
43) trans-1,3-Dichloroprop...	8.177	79	9352	4.493	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.800%
46) 2-Hexanone-d5	8.627	63	39503	46.008	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.020%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	20883	4.411	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	25631	4.463	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.200%
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.136	101	13823	1.225	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	3613	0.539	ug/L #	31
12) 1,1-Dichloroethene	2.573	96	1439222	242.142	ug/L #	77
16) Methylene chloride	3.039	84	4572	0.580	ug/L	92
19) 1,1-Dichloroethane	3.856	63	347545	25.561	ug/L	98
27) 1,2-Dichloroethane	5.795	62	1420	0.177	ug/L #	76
29) 1,1,1-Trichloroethane	5.309	97	11203140	1052.006	ug/L	98
31) Carbon tetrachloride	5.309	117	1370913	152.008	ug/L	100
34) Trichloroethene	6.537	95	18744	2.583	ug/L	95
35) Methylcyclohexane	6.685	83	6865	0.628	ug/L #	16
37) 1,2-Dichloropropane	6.682	63	3606	0.476	ug/L #	90
47) Tetrachloroethene	8.547	164	24806	4.662	ug/L	96
49) Dibromochloromethane	8.547	129	25128	4.913	ug/L #	11
61) 1,2,3-Trichloropropane	11.807	75	4606	1.324	ug/L #	69

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

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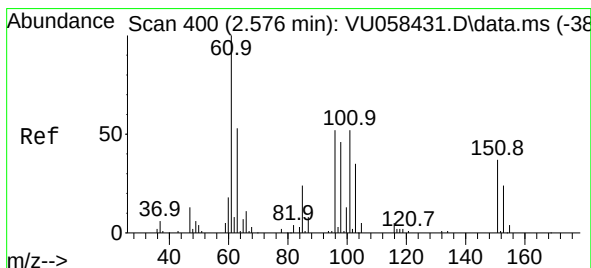
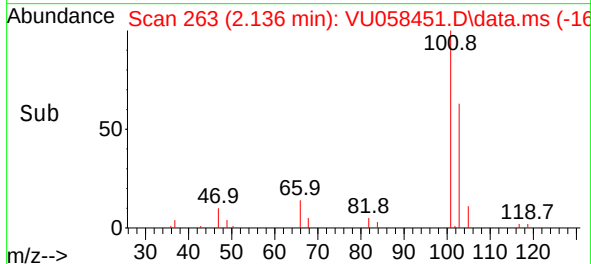
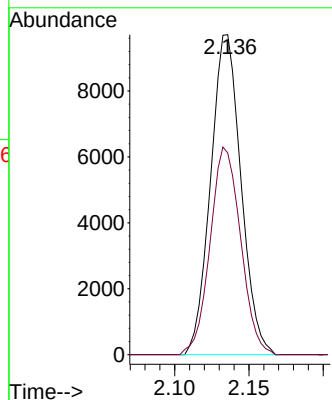
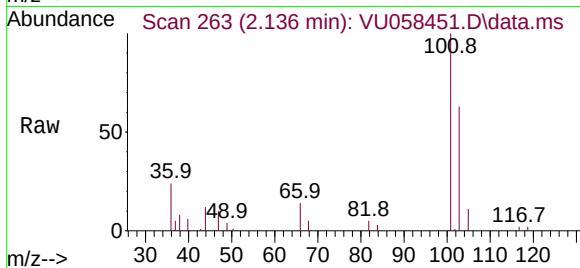




#9
Trichlorofluoromethane
Concen: 1.225 ug/L
RT: 2.136 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU058451.D
Acq: 06 Apr 2024 04:06

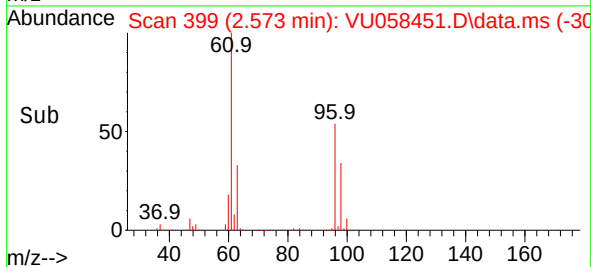
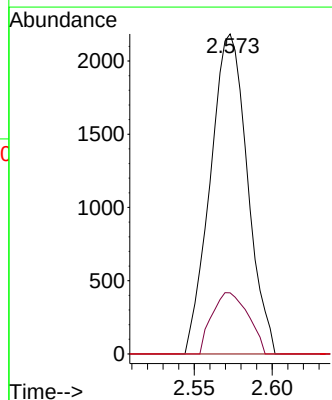
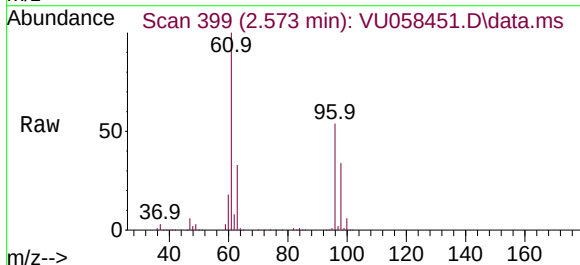
Instrument :
MSVOA_U
ClientSampleId :

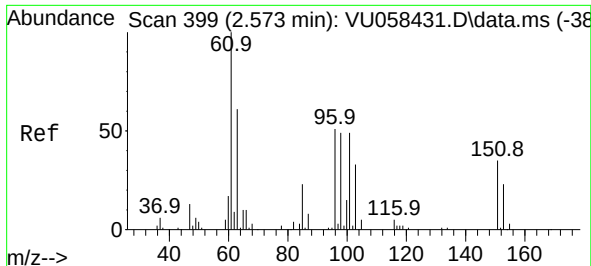
Tgt Ion:101 Resp: 13823
Ion Ratio Lower Upper
101 100
103 65.0 51.2 76.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.539 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU058451.D
Acq: 06 Apr 2024 04:06

Tgt Ion:101 Resp: 3613
Ion Ratio Lower Upper
101 100
85 18.7 36.8 55.2#
151 0.0 58.2 87.4#

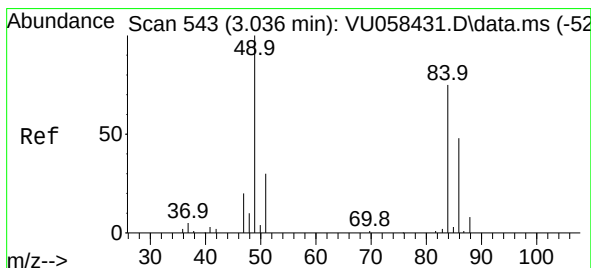
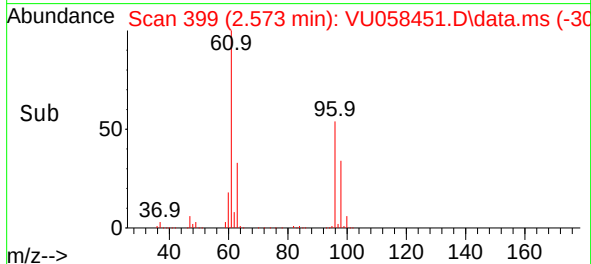
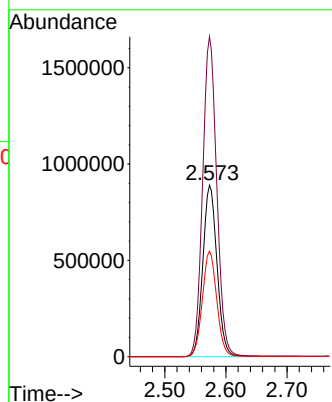
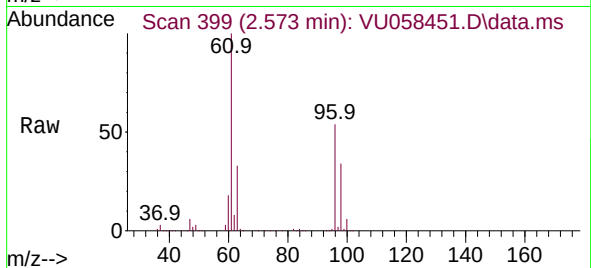




#12
1,1-Dichloroethene
Concen: 242.142 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU058451.D
Acq: 06 Apr 2024 04:06

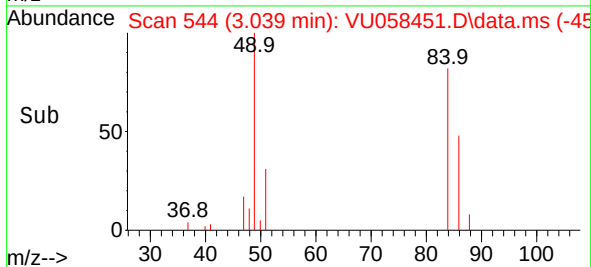
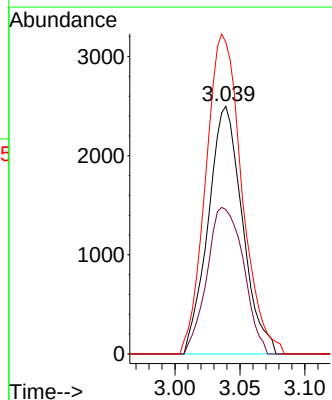
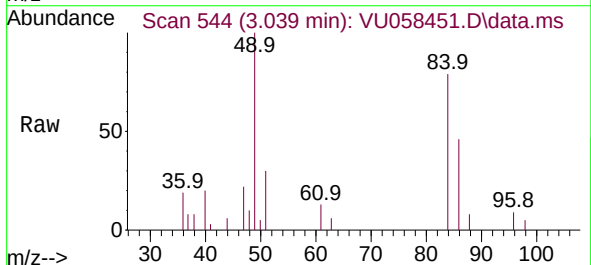
Instrument :
MSVOA_U
ClientSampleId :

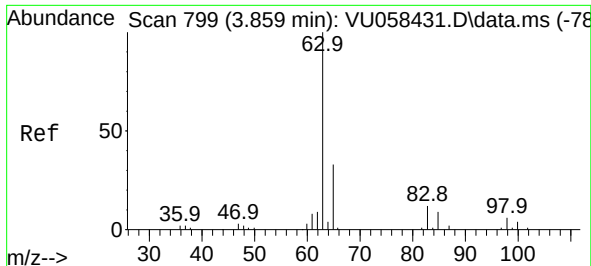
Tgt Ion: 96 Resp: 1439222
Ion Ratio Lower Upper
96 100
61 186.6 132.5 246.1
63 61.5 87.7 162.9#



#16
Methylene chloride
Concen: 0.580 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU058451.D
Acq: 06 Apr 2024 04:06

Tgt Ion: 84 Resp: 4572
Ion Ratio Lower Upper
84 100
86 58.3 44.3 82.3
49 125.9 96.0 178.2





#19

1,1-Dichloroethane

Concen: 25.561 ug/L

RT: 3.856 min Scan# 70

Delta R.T. -0.003 min MSVOA_U

Lab File: VU058451.D

Acq: 06 Apr 2024 04:06

Instrument :

MSVOA_U

ClientSampleId :

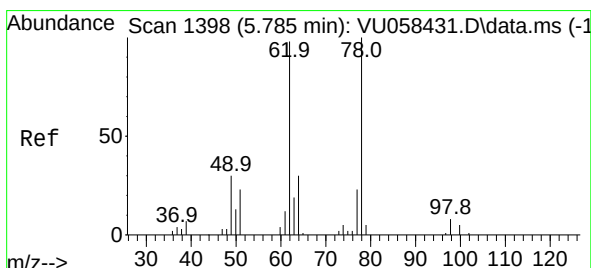
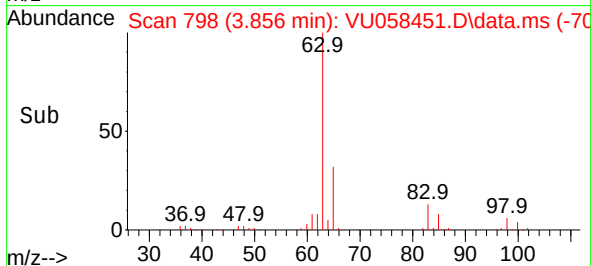
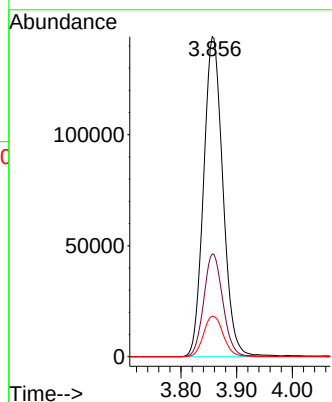
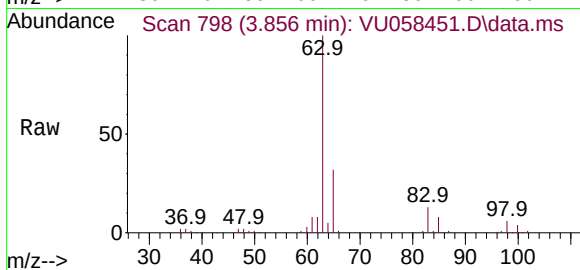
Tgt Ion: 63 Resp: 347545

Ion Ratio Lower Upper

63 100

65 32.1 22.9 42.5

83 12.7 9.6 17.8



#27

1,2-Dichloroethane

Concen: 0.177 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.010 min

Lab File: VU058451.D

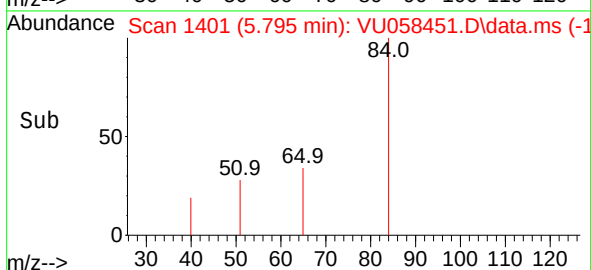
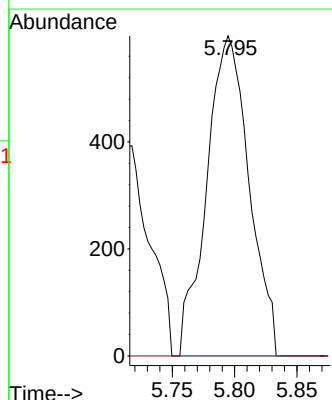
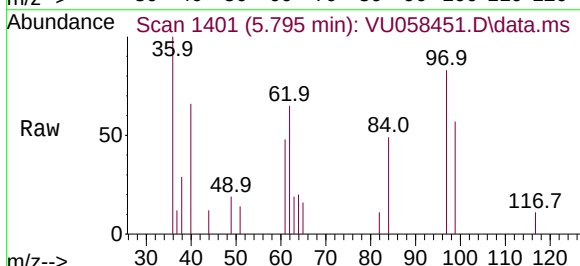
Acq: 06 Apr 2024 04:06

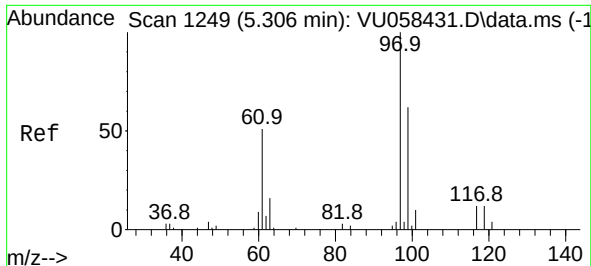
Tgt Ion: 62 Resp: 1420

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.4#

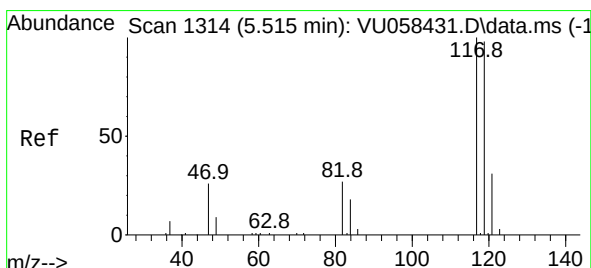
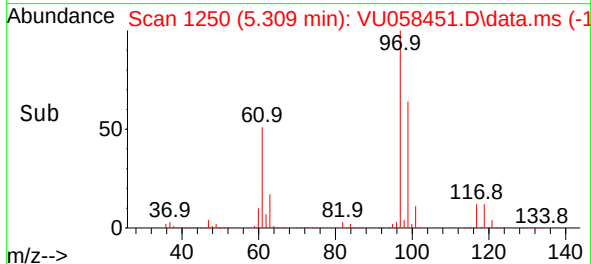
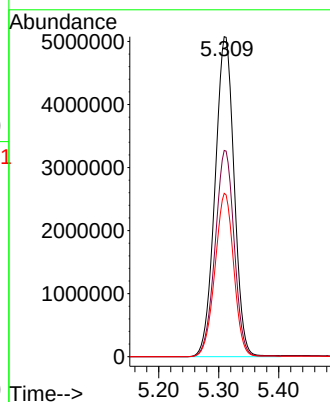
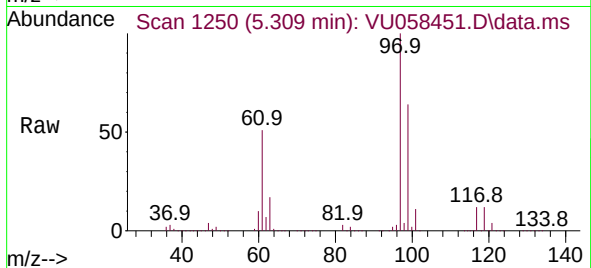




#29
1,1,1-Trichloroethane
Concen: 1052.006 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.003 min
Lab File: VU058451.D
Acq: 06 Apr 2024 04:06

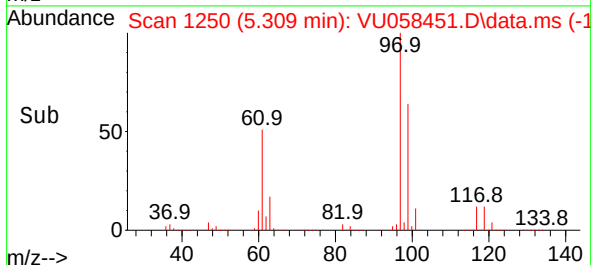
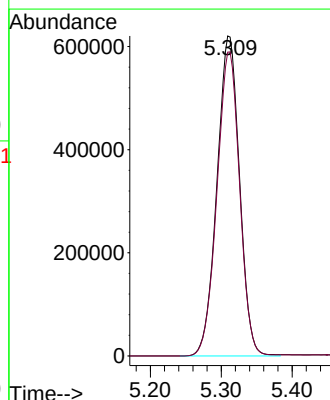
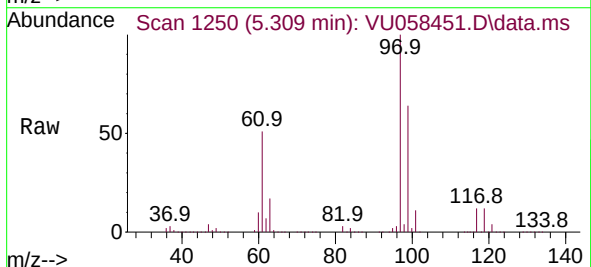
Instrument :
MSVOA_U
ClientSampleId :

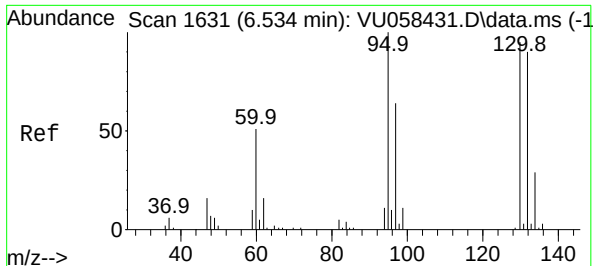
Tgt Ion: 97 Resp:11203140
Ion Ratio Lower Upper
97 100
99 64.4 50.4 75.6
61 50.2 39.4 59.0



#31
Carbon tetrachloride
Concen: 152.008 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. -0.206 min
Lab File: VU058451.D
Acq: 06 Apr 2024 04:06

Tgt Ion:117 Resp: 1370913
Ion Ratio Lower Upper
117 100
119 95.5 76.7 115.1





#34

Trichloroethene

Concen: 2.583 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU058451.D

Acq: 06 Apr 2024 04:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 18744

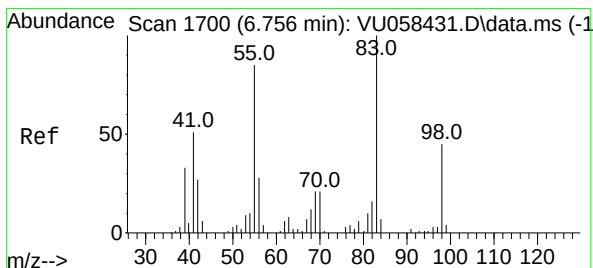
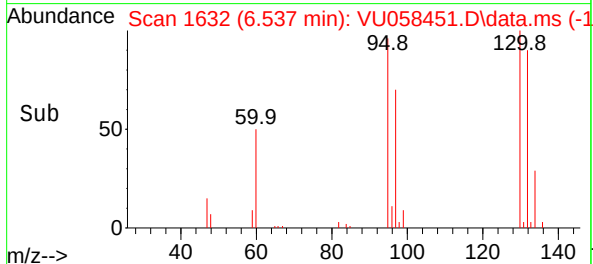
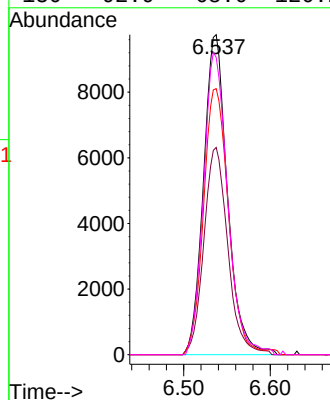
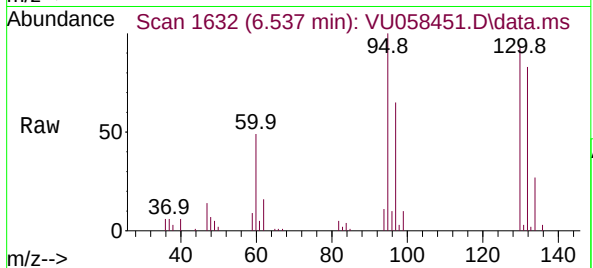
Ion Ratio Lower Upper

95 100

97 64.7 45.6 84.6

132 83.2 64.8 120.3

130 92.9 68.0 126.2



#35

Methylcyclohexane

Concen: 0.628 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.071 min

Lab File: VU058451.D

Acq: 06 Apr 2024 04:06

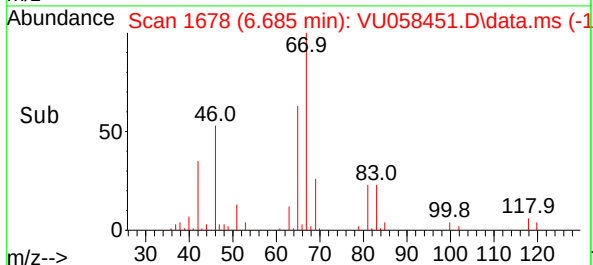
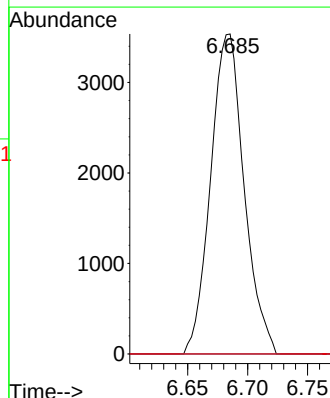
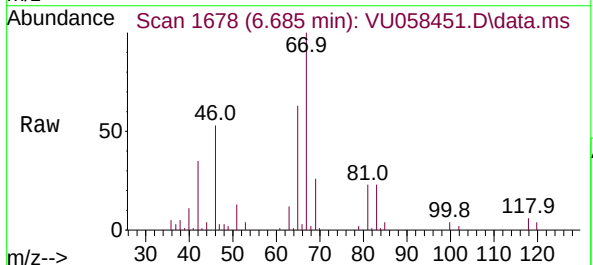
Tgt Ion: 83 Resp: 6865

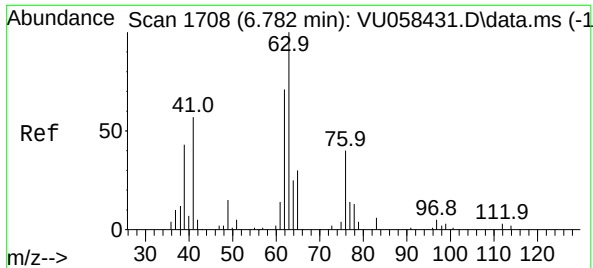
Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

98 0.0 34.6 52.0#

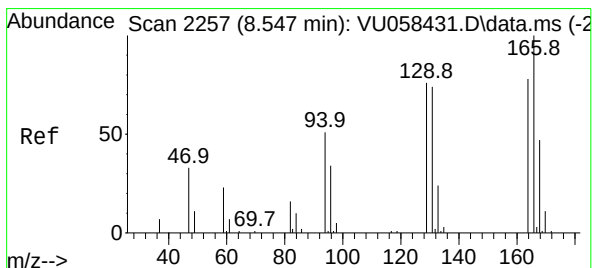
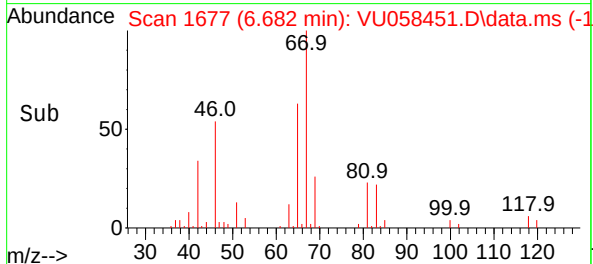
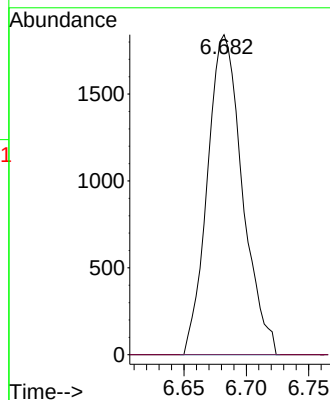
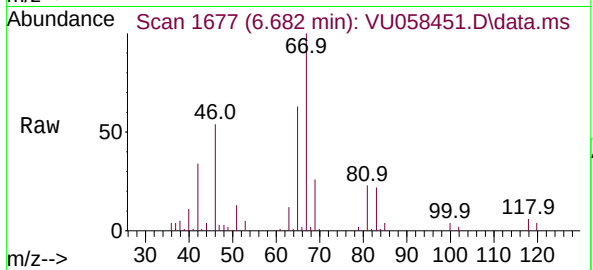




#37
1,2-Dichloropropane
Concen: 0.476 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU058451.D
Acq: 06 Apr 2024 04:06

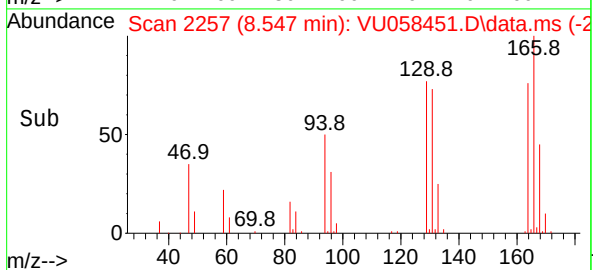
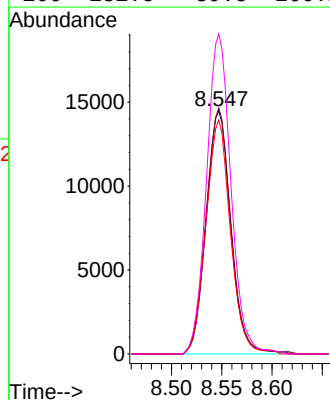
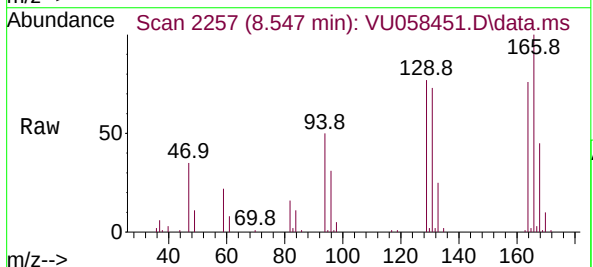
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MSVOA_U
ClientSampleId :

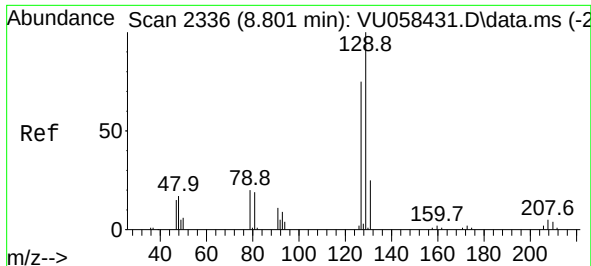
Tgt Ion: 63 Resp: 3606
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#



#47
Tetrachloroethene
Concen: 4.662 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058451.D
Acq: 06 Apr 2024 04:06

Tgt Ion:164 Resp: 24806
Ion Ratio Lower Upper
164 100
129 101.1 67.3 125.1
131 96.1 65.5 121.6
166 131.5 89.5 166.1





#49

Dibromochloromethane

Concen: 4.913 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU058451.D

Acq: 06 Apr 2024 04:06

Instrument :

MSVOA_U

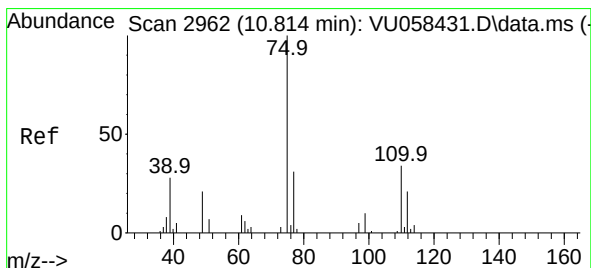
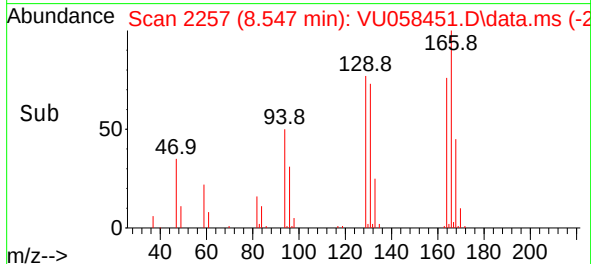
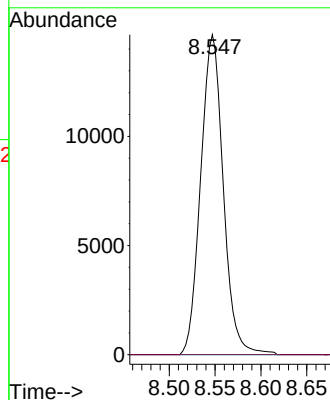
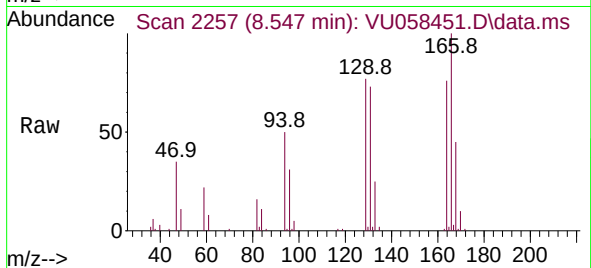
ClientSampleId :

Tgt Ion:129 Resp: 25128

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#



#61

1,2,3-Trichloropropane

Concen: 1.324 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.994 min

Lab File: VU058451.D

Acq: 06 Apr 2024 04:06

Tgt Ion: 75 Resp: 4606

Ion Ratio Lower Upper

75 100

110 0.0 25.8 38.6#

77 34.0 25.1 37.7

