

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111523\
 Data File : VU056373.D
 Acq On : 15 Nov 2023 23:19
 Operator : MD/SY
 Sample : 05339-12DL 10X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 16 06:13:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 16 05:41:06 2023
 Response via : Initial Calibration

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

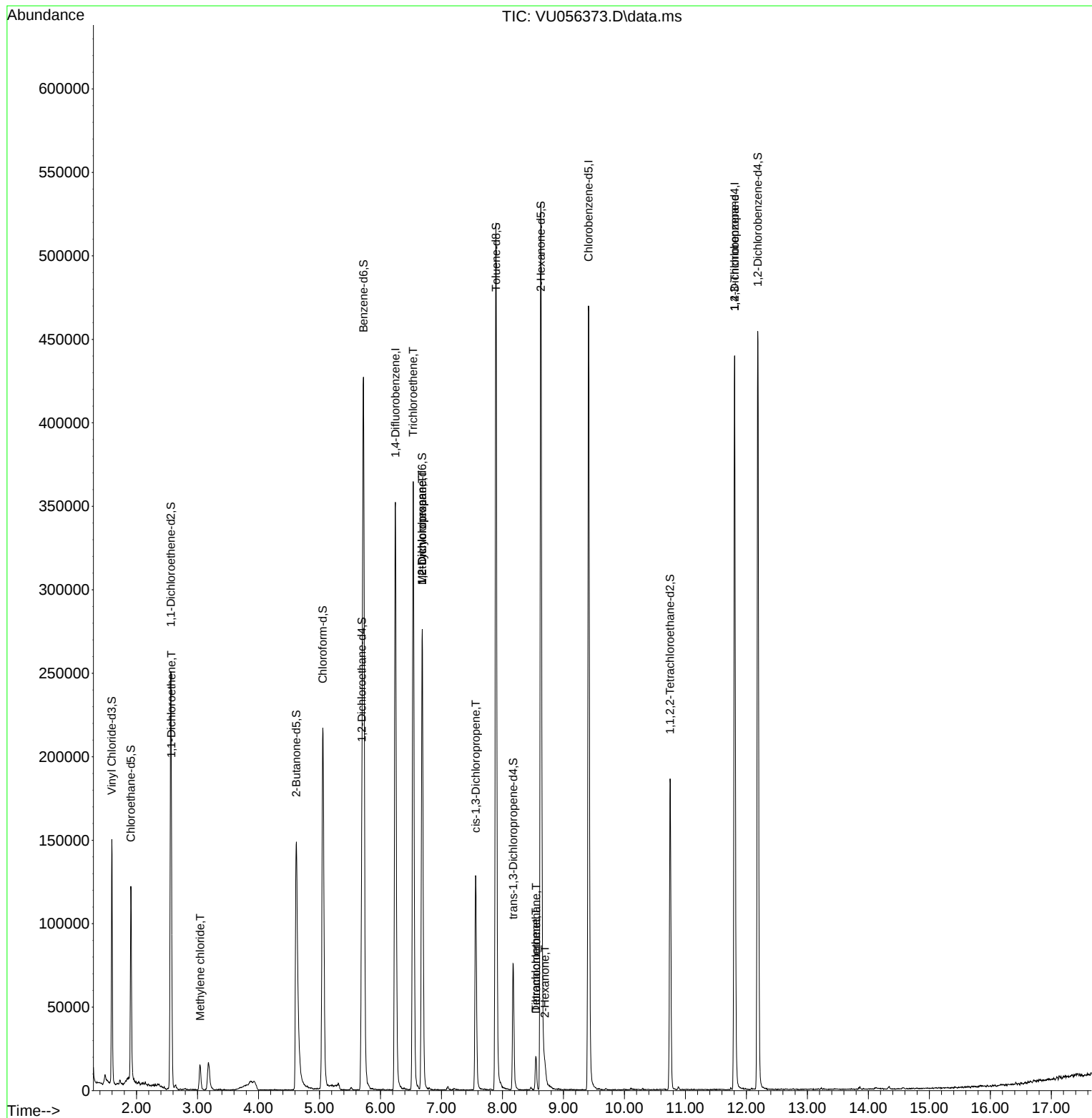
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	288944	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	270237	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	115545	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	101464	4.695	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	93.800%	
7) Chloroethane-d5	1.907	69	83916	5.064	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	101.200%	
11) 1,1-Dichloroethene-d2	2.563	65	47444	4.974	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	99.400%	
20) 2-Butanone-d5	4.621	46	223573	51.880	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	103.760%	
24) Chloroform-d	5.055	84	208628	4.991	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	99.800%	
26) 1,2-Dichloroethane-d4	5.695	65	100273	5.191	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	103.800%	
32) Benzene-d6	5.721	84	411629	5.112	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	102.200%	
36) 1,2-Dichloropropane-d6	6.685	67	134389	5.538	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	110.800%	
41) Toluene-d8	7.894	98	351989	4.951	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	99.000%	
43) trans-1,3-Dichloroprop...	8.177	79	45982	4.941	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	98.800%	
46) 2-Hexanone-d5	8.631	63	186662	51.038	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	102.080%	
56) 1,1,2,2-Tetrachloroeth...	10.749	84	95223	5.492	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	109.800%	
66) 1,2-Dichlorobenzene-d4	12.187	152	121122	5.674	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	113.400%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.573	96	5313	0.300	ug/L #	1
16) Methylene chloride	3.042	84	7103	0.303	ug/L	91
34) Trichloroethene	6.537	95	132477	6.306	ug/L	98
35) Methylcyclohexane	6.685	83	31073	1.024	ug/L #	18
37) 1,2-Dichloropropane	6.685	63	14993	0.746	ug/L #	89
39) cis-1,3-Dichloropropene	7.563	75	3276	0.111	ug/L	86
47) Tetrachloroethene	8.547	164	4559	0.322	ug/L	96
48) 2-Hexanone	8.698	43	7607	0.980	ug/L #	93
49) Dibromochloromethane	8.553	129	4809	0.316	ug/L #	12
61) 1,2,3-Trichloropropane	11.807	75	14152	1.427	ug/L #	69

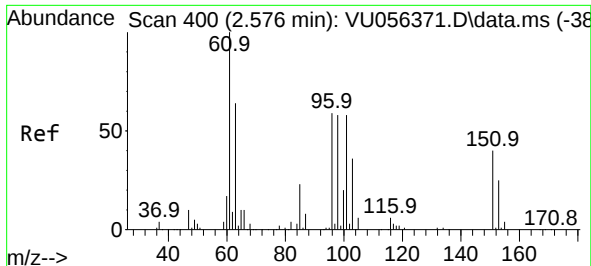
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.300 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU056373.D

Acq: 15 Nov 2023 23:19

Instrument :

MSVOA_U

ClientSampleId :

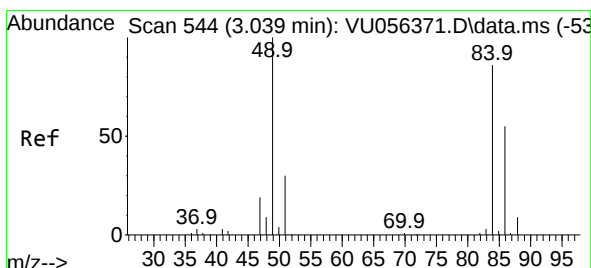
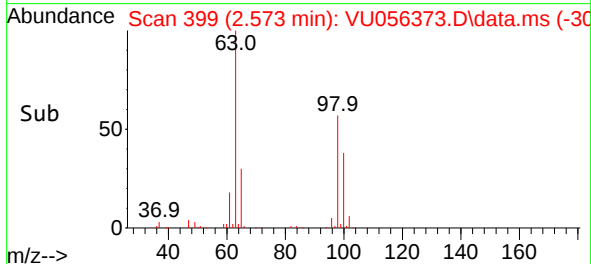
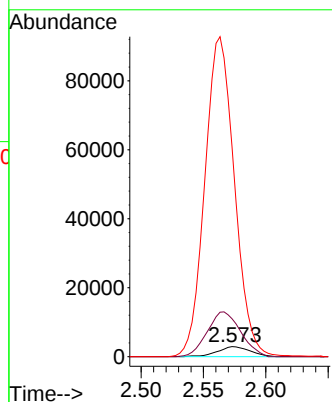
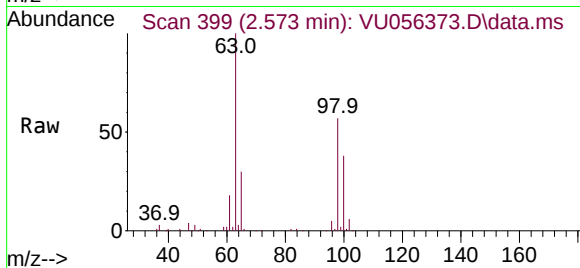
Tgt Ion: 96 Resp: 5313

Ion Ratio Lower Upper

96 100

61 374.7 123.1 228.7#

63 2071.1 93.3 173.3#



#16

Methylene chloride

Concen: 0.303 ug/L

RT: 3.042 min Scan# 545

Delta R.T. 0.003 min

Lab File: VU056373.D

Acq: 15 Nov 2023 23:19

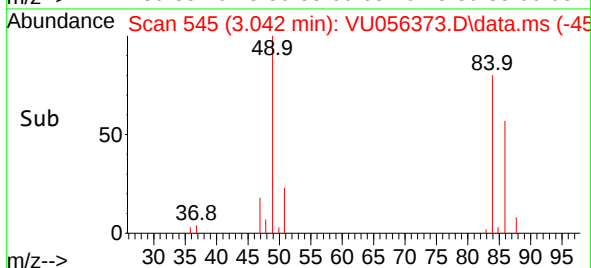
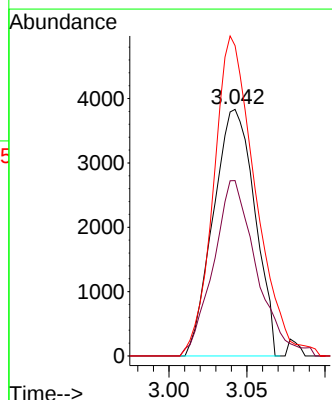
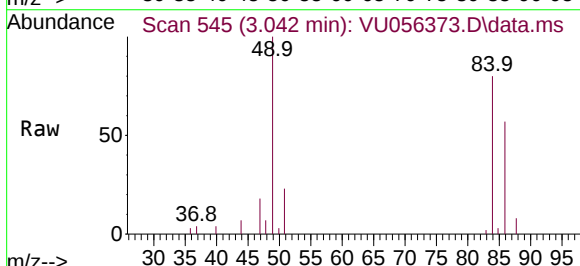
Tgt Ion: 84 Resp: 7103

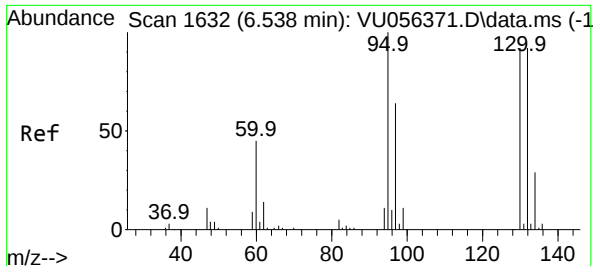
Ion Ratio Lower Upper

84 100

86 71.1 44.7 83.1

49 125.8 81.8 152.0





#34

Trichloroethene

Concen: 6.306 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056373.D

Acq: 15 Nov 2023 23:19

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 132477

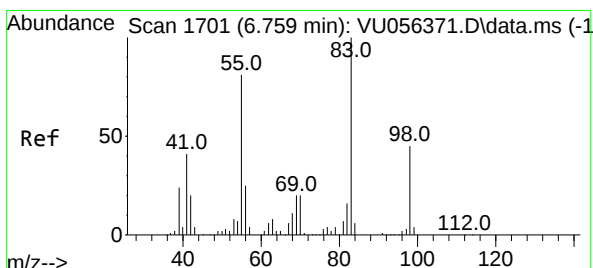
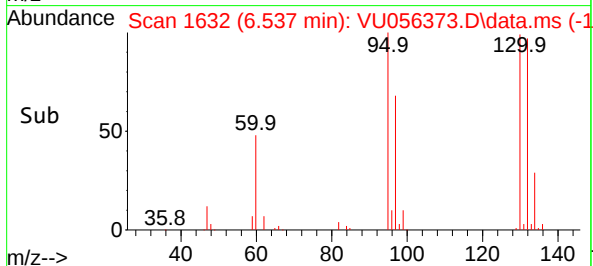
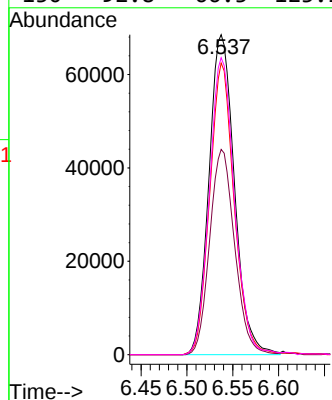
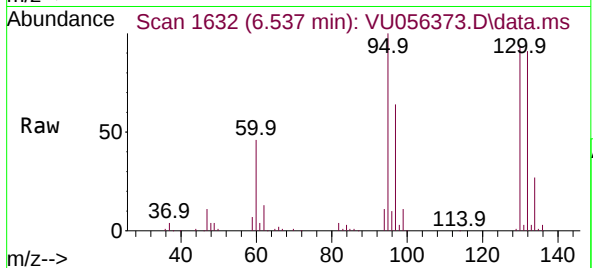
Ion Ratio Lower Upper

95 100

97 64.1 46.5 86.3

132 91.1 62.0 115.2

130 92.8 66.3 123.1



#35

Methylcyclohexane

Concen: 1.024 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.074 min

Lab File: VU056373.D

Acq: 15 Nov 2023 23:19

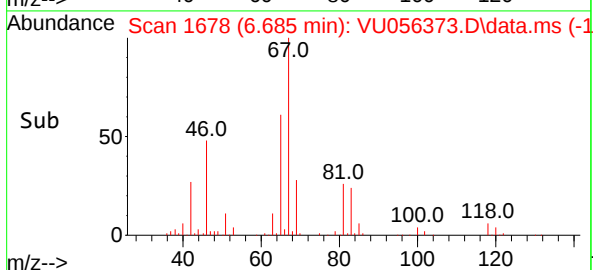
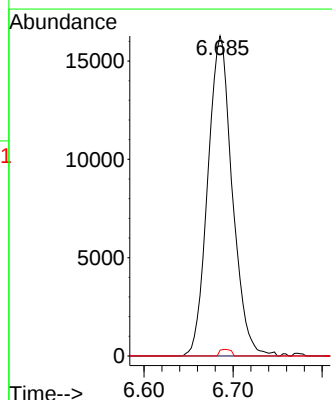
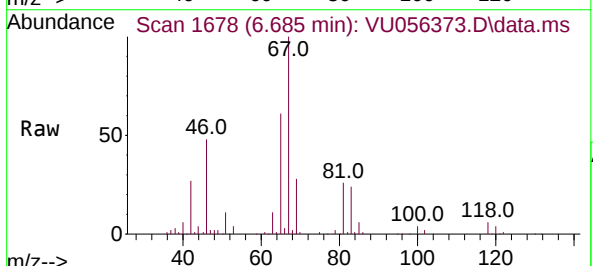
Tgt Ion: 83 Resp: 31073

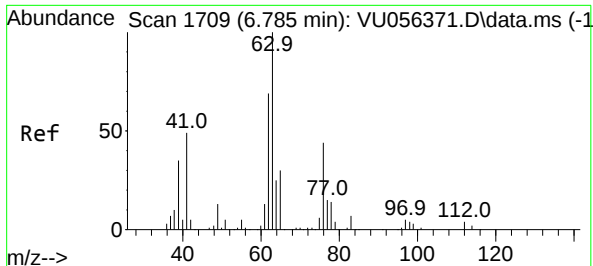
Ion Ratio Lower Upper

83 100

55 0.0 62.9 94.3#

98 0.9 35.3 52.9#





#37

1,2-Dichloropropane

Concen: 0.746 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU056373.D

Acq: 15 Nov 2023 23:19

Instrument :

MSVOA_U

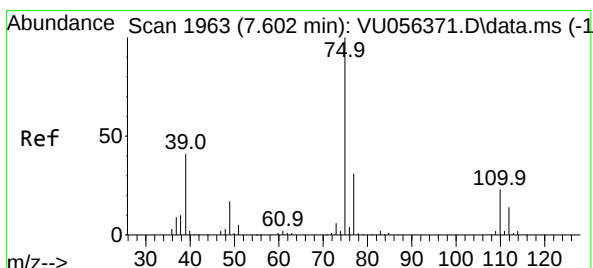
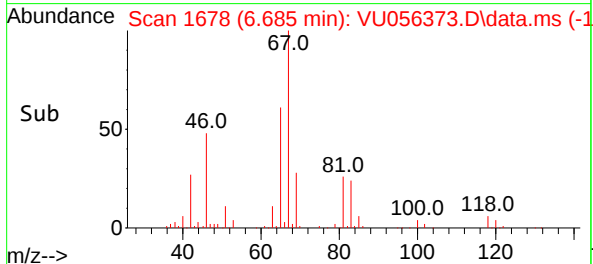
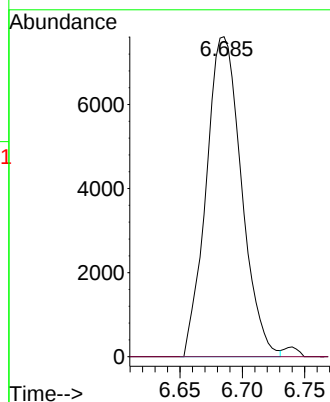
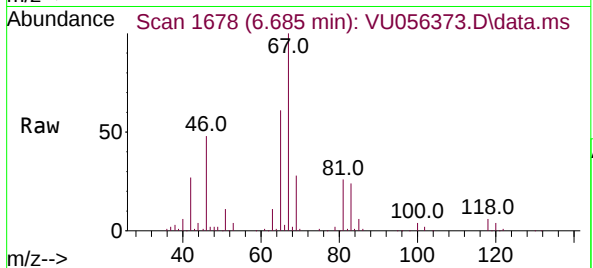
ClientSampleId :

Tgt Ion: 63 Resp: 14993

Ion Ratio Lower Upper

63 100

112 0.3 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.111 ug/L

RT: 7.563 min Scan# 1951

Delta R.T. -0.039 min

Lab File: VU056373.D

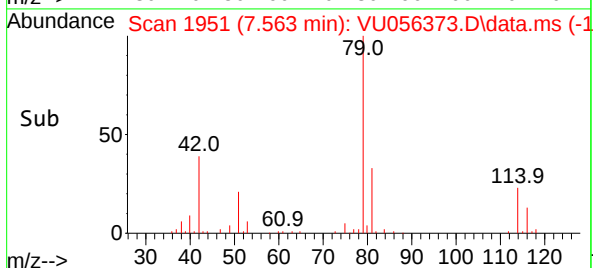
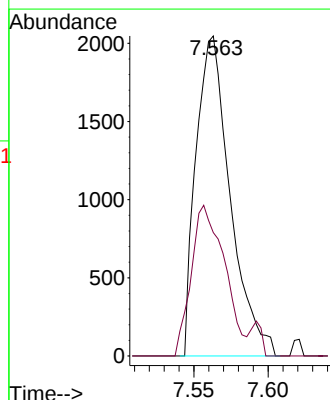
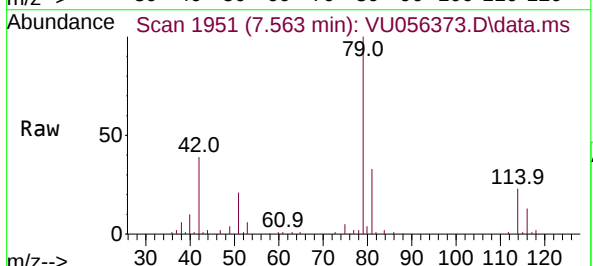
Acq: 15 Nov 2023 23:19

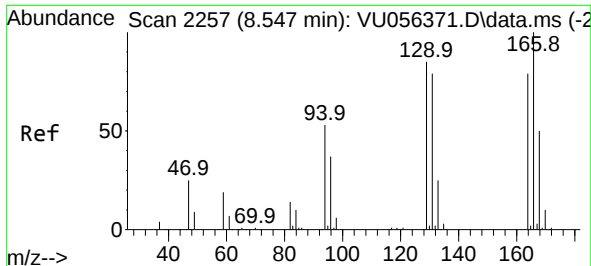
Tgt Ion: 75 Resp: 3276

Ion Ratio Lower Upper

75 100

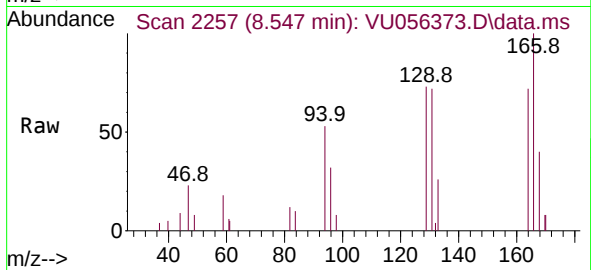
77 38.5 21.5 39.9



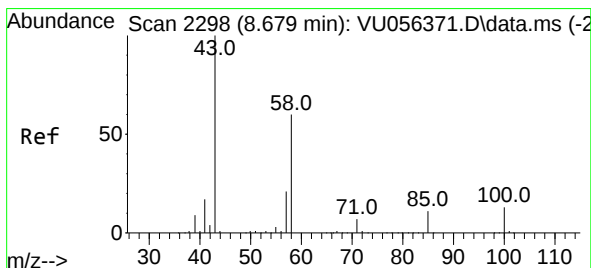
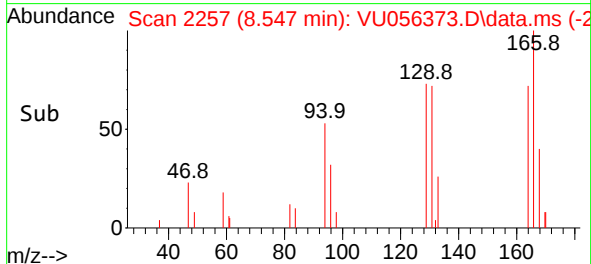
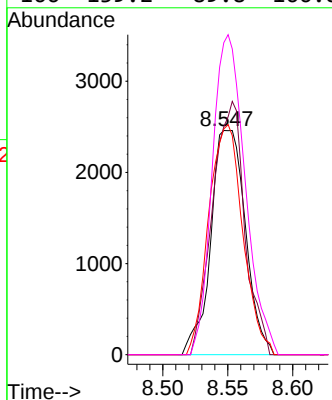


#47
Tetrachloroethene
Concen: 0.322 ug/L
RT: 8.547 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056373.D
Acq: 15 Nov 2023 23:19

Instrument :
MSVOA_U
ClientSampleId :

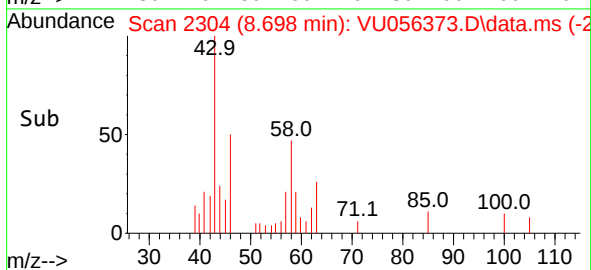
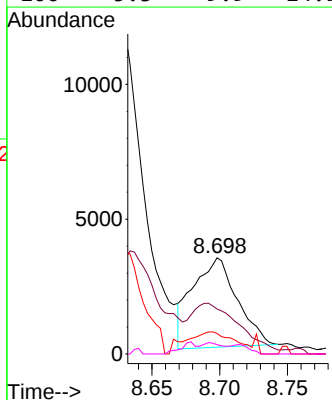
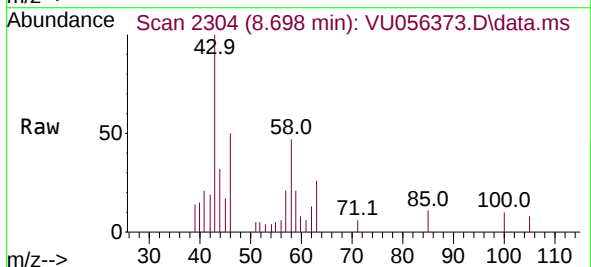


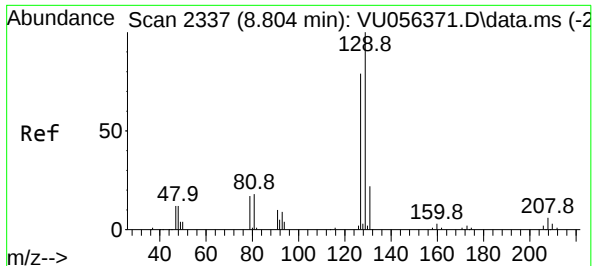
Tgt Ion:	164	Resp:	4559
Ion	Ratio	Lower	Upper
164	100		
129	101.7	71.0	131.9
131	100.8	70.3	130.7
166	139.2	89.8	166.8



#48
2-Hexanone
Concen: 0.980 ug/L
RT: 8.698 min Scan# 2304
Delta R.T. 0.019 min
Lab File: VU056373.D
Acq: 15 Nov 2023 23:19

Tgt Ion:	43	Resp:	7607
Ion	Ratio	Lower	Upper
43	100		
58	62.8	48.7	73.1
57	26.6	16.8	25.2#
100	5.3	9.9	14.9#





#49

Dibromochloromethane

Concen: 0.316 ug/L

RT: 8.553 min Scan# 21

Delta R.T. -0.251 min

Lab File: VU056373.D

Acq: 15 Nov 2023 23:19

Instrument :

MSVOA_U

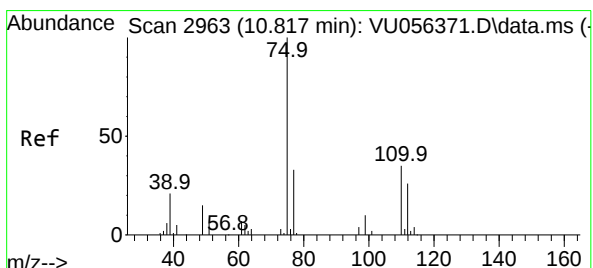
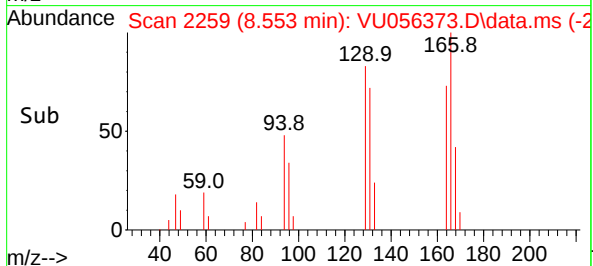
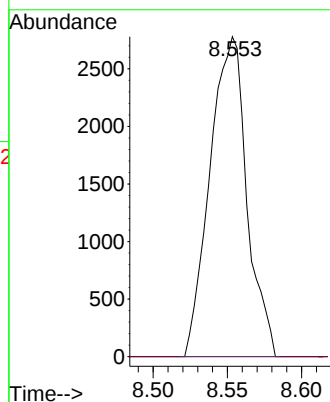
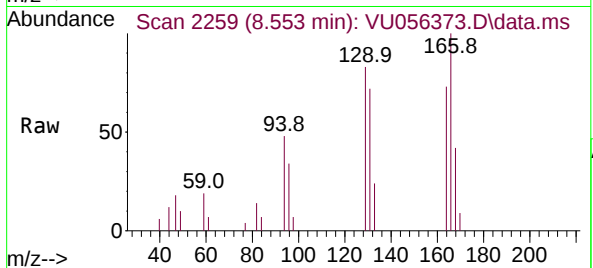
ClientSampleId :

Tgt Ion:129 Resp: 4809

Ion Ratio Lower Upper

129 100

127 0.0 52.9 98.3#



#61

1,2,3-Trichloropropane

Concen: 1.427 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU056373.D

Acq: 15 Nov 2023 23:19

Tgt Ion: 75 Resp: 14152

Ion Ratio Lower Upper

75 100

110 2.7 30.4 45.6#

77 33.5 27.0 40.6

