

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091923\
 Data File : VU055409.D
 Acq On : 19 Sep 2023 22:51
 Operator : MD/SY
 Sample : 04398-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 20 06:10:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 20 06:06:30 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	222751	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	222762	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	105461	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	31971	1.420	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	28.400%#
7) Chloroethane-d5	1.911	69	46606	2.349	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	47.000%#
11) 1,1-Dichloroethene-d2	2.563	65	18509	1.997	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	40.000%#
20) 2-Butanone-d5	4.631	46	172970	42.536	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.080%
24) Chloroform-d	5.058	84	127545	3.132	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	62.600%#
26) 1,2-Dichloroethane-d4	5.698	65	67426	3.442	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.800%#
32) Benzene-d6	5.724	84	219631	2.819	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	56.400%#
36) 1,2-Dichloropropane-d6	6.689	67	80322	3.450	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	69.000%
41) Toluene-d8	7.898	98	176114	2.480	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	49.600%#
43) trans-1,3-Dichloroprop...	8.177	79	11740	1.437	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	28.800%#
46) 2-Hexanone-d5	8.631	63	83357	33.544	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	67.080%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	62760	3.597	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	72.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	70383	3.307	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	66.200%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	4118	0.216	ug/L	100
5) Vinyl chloride	1.602	62	73222	3.558	ug/L	99
12) 1,1-Dichloroethene	2.576	96	79596	5.111	ug/L #	80
16) Methylene chloride	3.039	84	8084	0.433	ug/L	89
17) Methyl tert-butyl Ether	3.358	73	19098	0.565	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	5391	0.343	ug/L	98
19) 1,1-Dichloroethane	3.866	63	45239	1.558	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	1715070	94.237	ug/L	100
27) 1,2-Dichloroethane	5.798	62	8763	0.465	ug/L #	76
34) Trichloroethene	6.538	95	1514599	83.514	ug/L	97
35) Methylcyclohexane	6.689	83	18537	0.710	ug/L #	20
37) 1,2-Dichloropropane	6.689	63	9032	0.539	ug/L #	90
47) Tetrachloroethene	8.550	164	15960	1.227	ug/L	90
48) 2-Hexanone	8.685	43	25923	4.398	ug/L #	78
49) Dibromochloromethane	8.550	129	16685	1.354	ug/L #	9
61) 1,2,3-Trichloropropane	11.811	75	13614	1.654	ug/L #	66

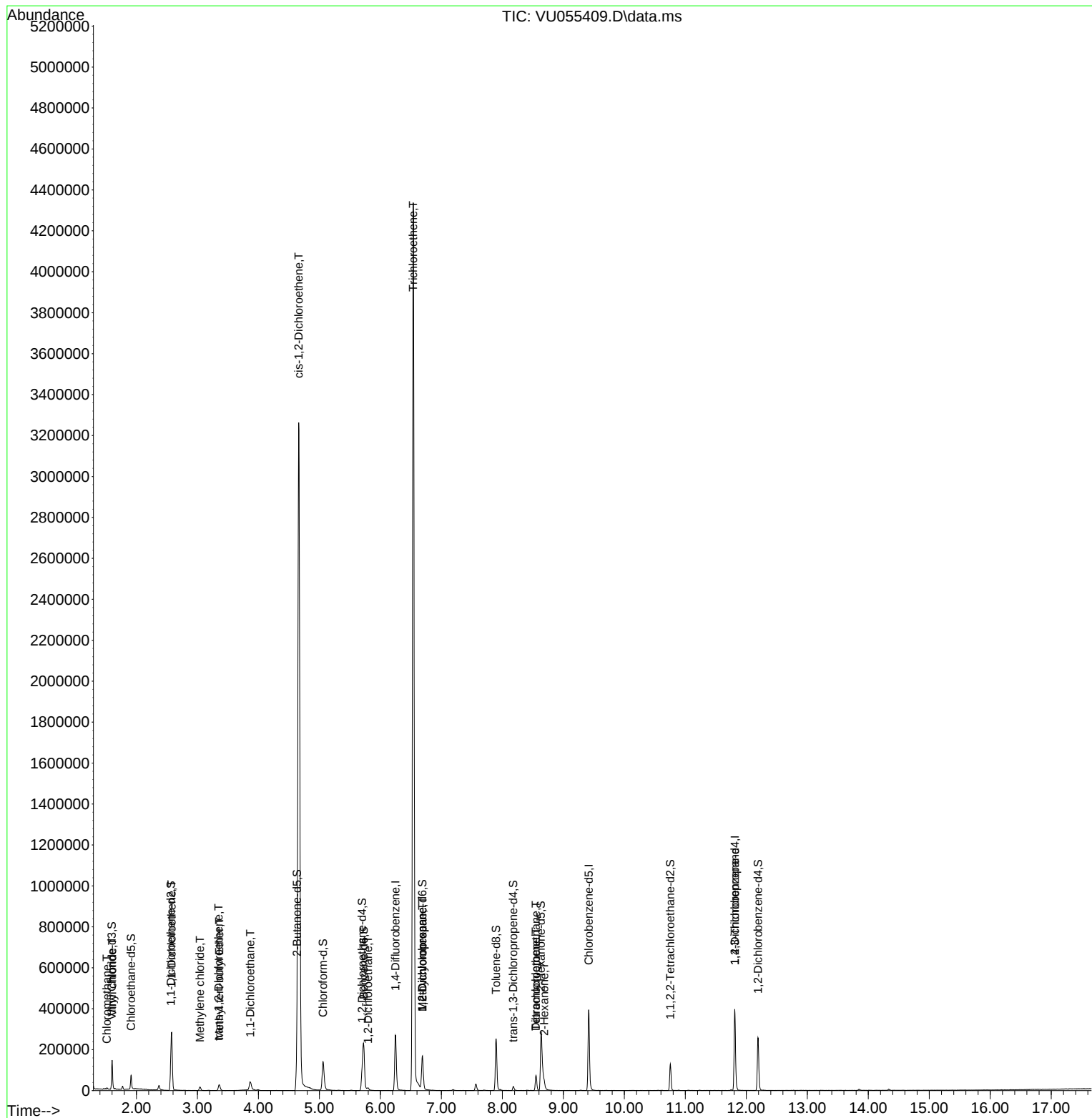
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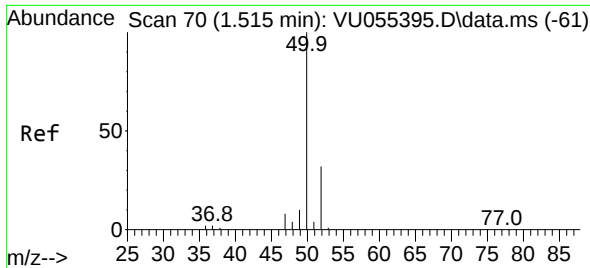
Instrument :
MSVOA_U
ClientSampleId :

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 20 06:06:30 2023
Response via : Initial Calibration

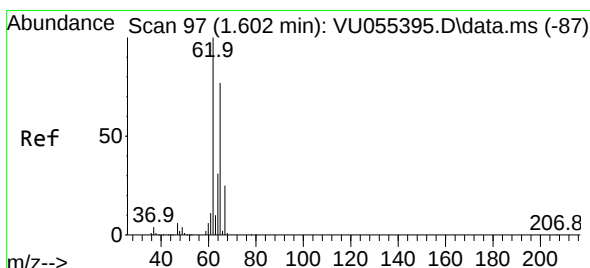
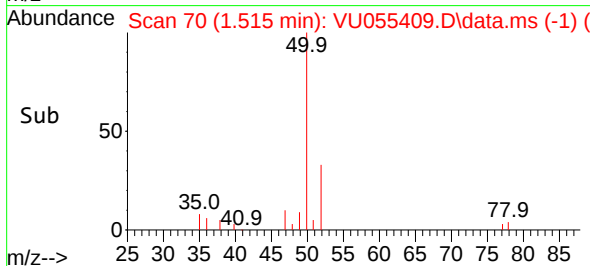
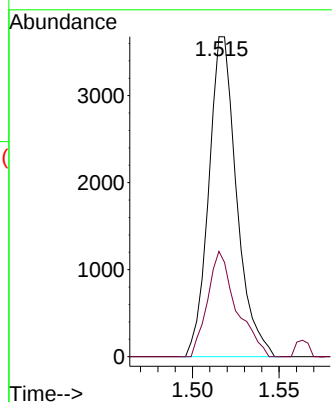
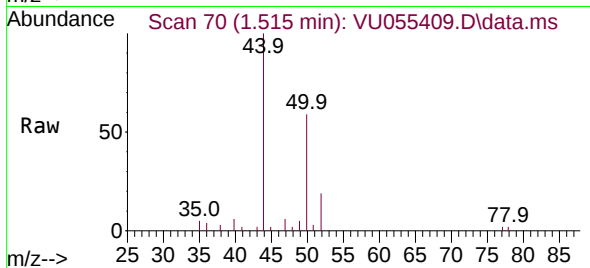




#3
Chloromethane
Concen: 0.216 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU055409.D
Acq: 19 Sep 2023 22:51

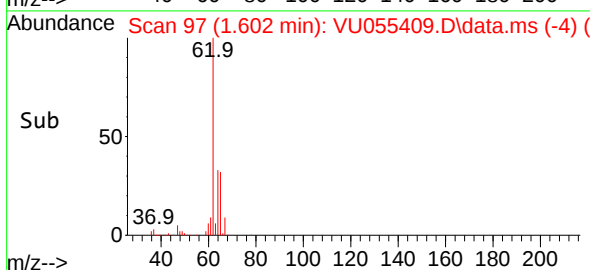
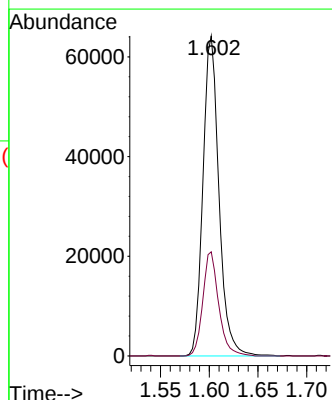
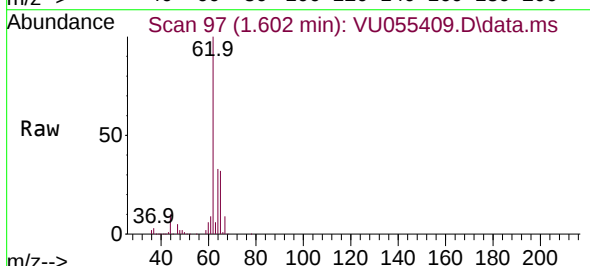
Instrument :
MSVOA_U
ClientSampleId :

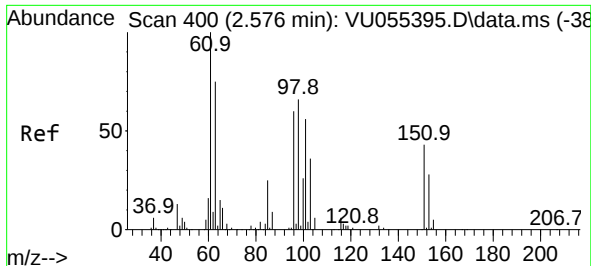
Tgt Ion: 50 Resp: 4118
Ion Ratio Lower Upper
50 100
52 32.9 22.9 42.5



#5
Vinyl chloride
Concen: 3.558 ug/L
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU055409.D
Acq: 19 Sep 2023 22:51

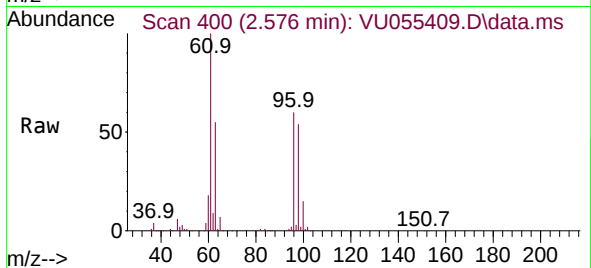
Tgt Ion: 62 Resp: 73222
Ion Ratio Lower Upper
62 100
64 32.6 22.3 41.5



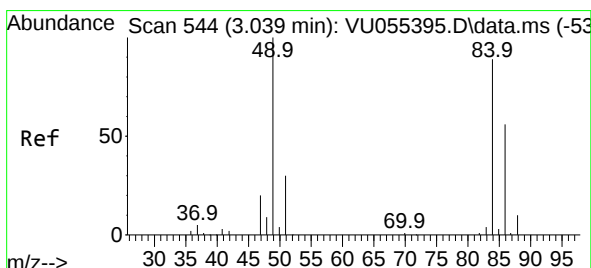
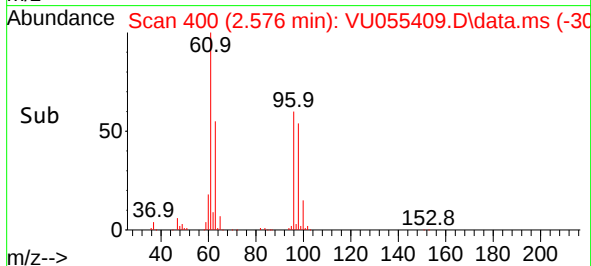
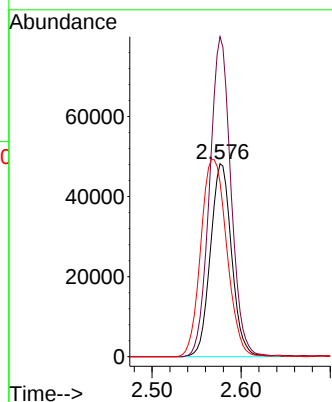


#12
1,1-Dichloroethene
Concen: 5.111 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU055409.D
Acq: 19 Sep 2023 22:51

Instrument :
MSVOA_U
ClientSampleId :

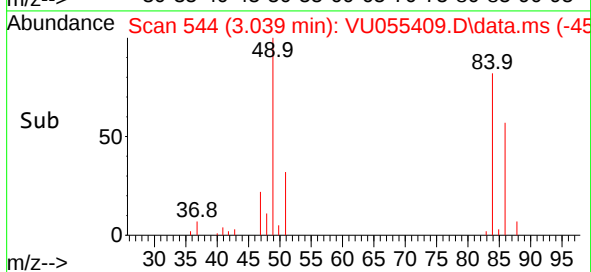
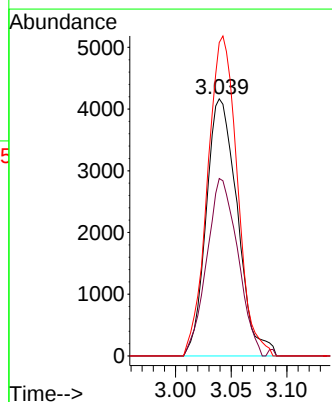
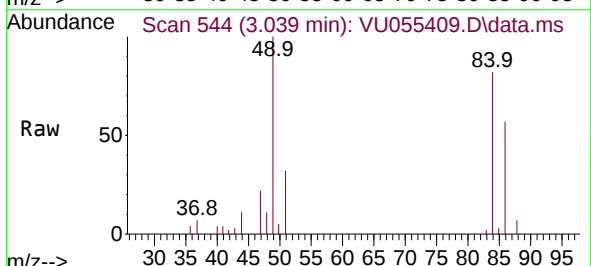


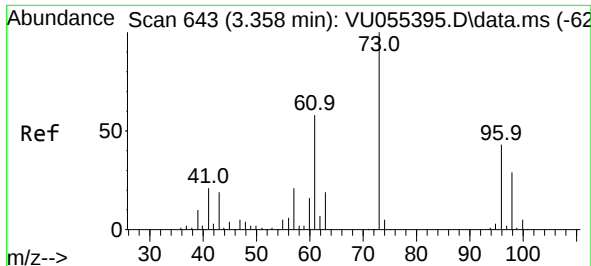
Tgt Ion: 96 Resp: 79596
Ion Ratio Lower Upper
96 100
61 165.9 114.5 212.7
63 90.4 98.3 182.5#



#16
Methylene chloride
Concen: 0.433 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU055409.D
Acq: 19 Sep 2023 22:51

Tgt Ion: 84 Resp: 8084
Ion Ratio Lower Upper
84 100
86 69.0 44.9 83.3
49 127.5 78.8 146.3





#17

Methyl tert-butyl Ether

Concen: 0.565 ug/L

RT: 3.358 min Scan# 643

Delta R.T. -0.000 min

Lab File: VU055409.D

Acq: 19 Sep 2023 22:51

Instrument :

MSVOA_U

ClientSampleId :

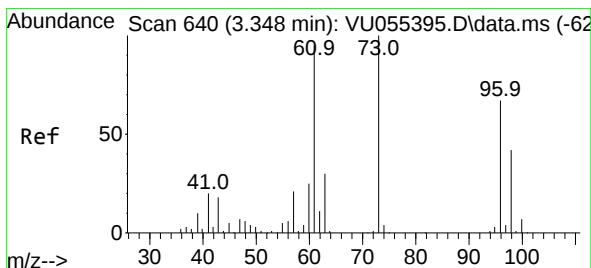
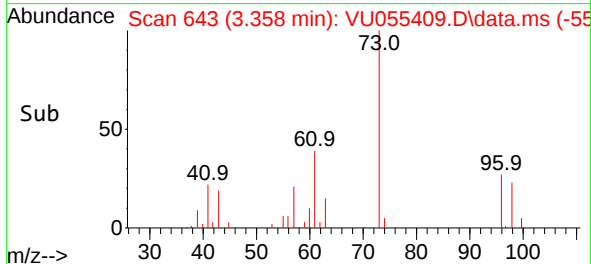
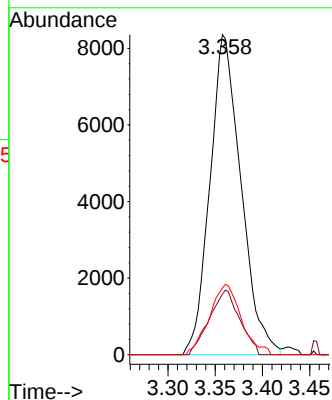
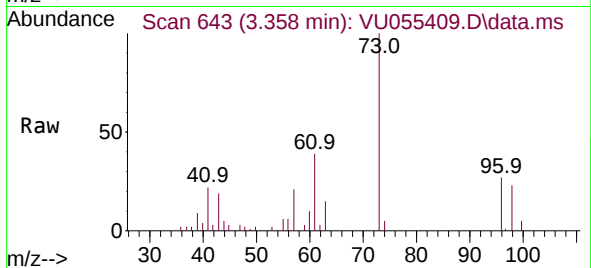
Tgt Ion: 73 Resp: 19098

Ion Ratio Lower Upper

73 100

43 19.6 14.9 22.3

57 22.5 17.3 25.9



#18

trans-1,2-Dichloroethene

Concen: 0.343 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU055409.D

Acq: 19 Sep 2023 22:51

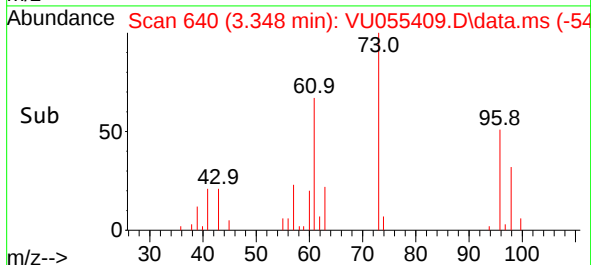
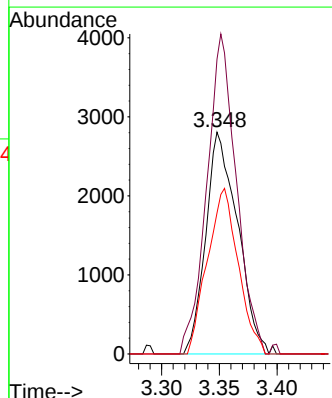
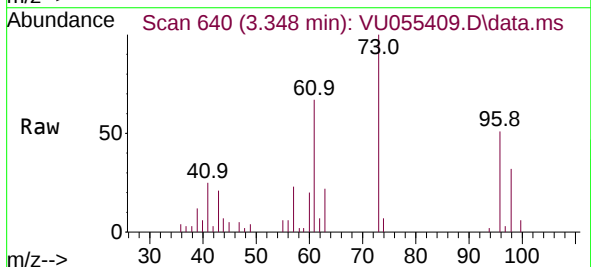
Tgt Ion: 96 Resp: 5391

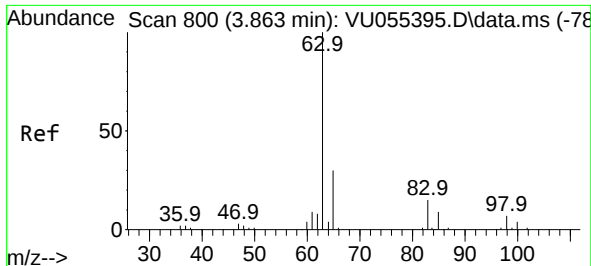
Ion Ratio Lower Upper

96 100

61 132.9 94.6 175.6

98 63.5 45.7 84.9





#19

1,1-Dichloroethane

Concen: 1.558 ug/L

RT: 3.866 min Scan# 800

Delta R.T. 0.003 min

Lab File: VU055409.D

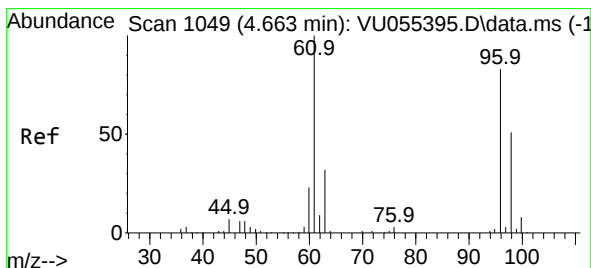
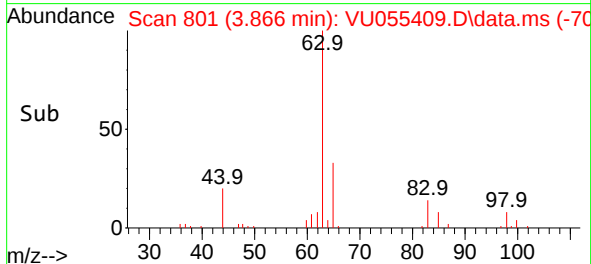
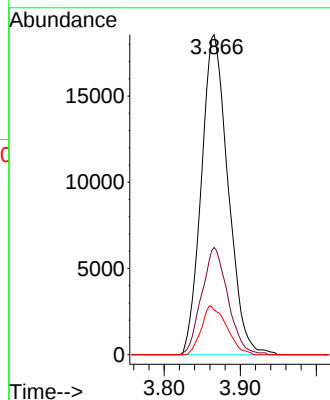
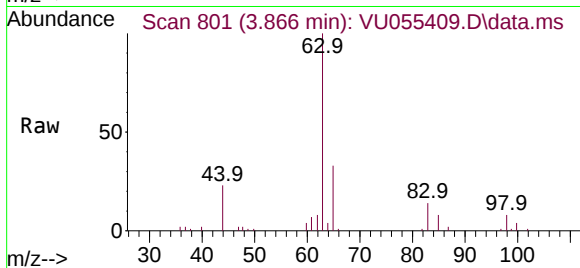
Acq: 19 Sep 2023 22:51

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	45239
Ion	Ratio	Lower	Upper
63	100		
65	33.5	22.0	41.0
83	14.0	10.1	18.9



#22

cis-1,2-Dichloroethene

Concen: 94.237 ug/L

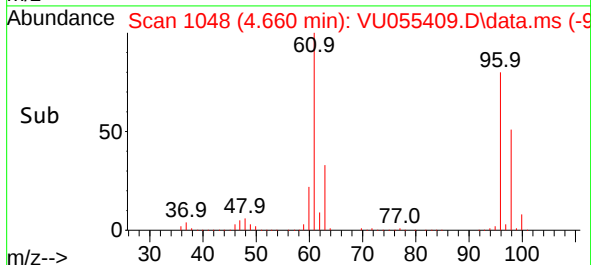
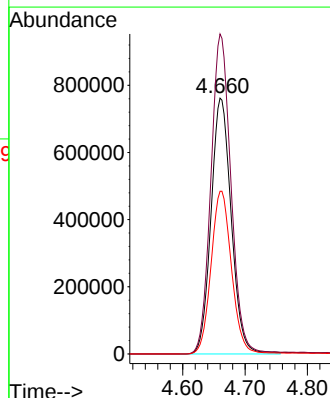
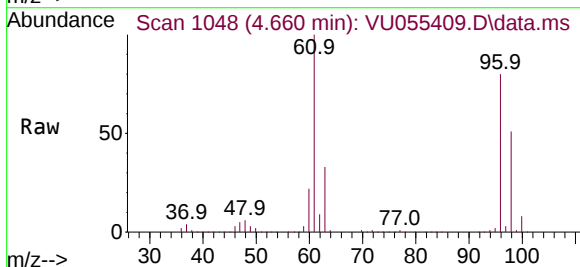
RT: 4.660 min Scan# 1048

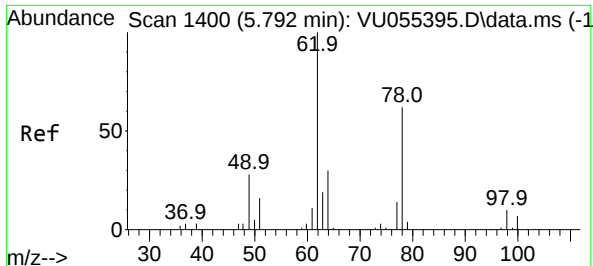
Delta R.T. -0.003 min

Lab File: VU055409.D

Acq: 19 Sep 2023 22:51

Tgt Ion:	96	Resp:	1715070
Ion	Ratio	Lower	Upper
96	100		
61	125.1	87.8	163.2
98	63.6	44.4	82.4

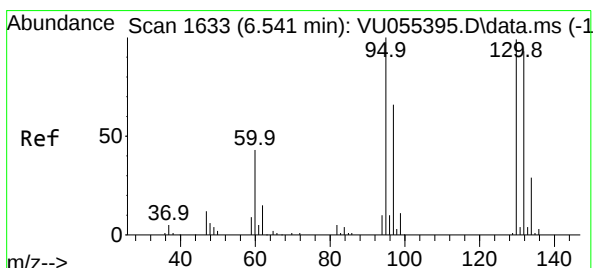
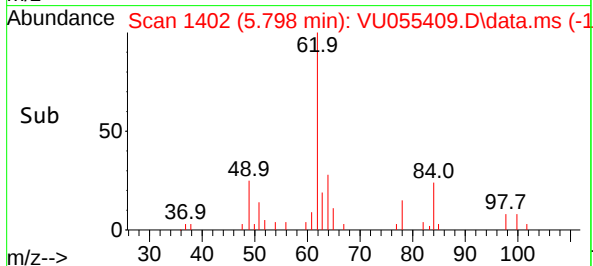
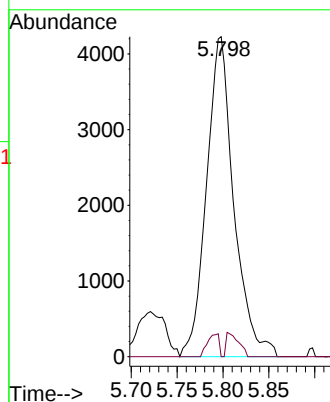
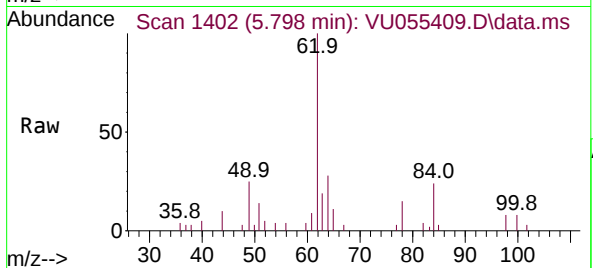




#27
1,2-Dichloroethane
Concen: 0.465 ug/L
RT: 5.798 min Scan# 1400
Delta R.T. 0.006 min
Lab File: VU055409.D
Acq: 19 Sep 2023 22:51

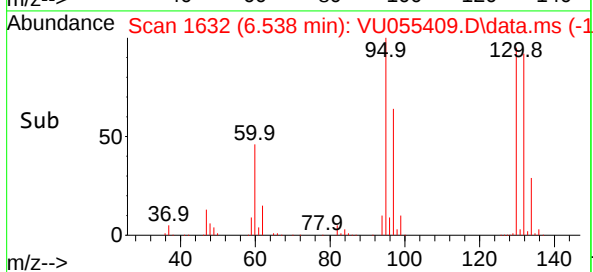
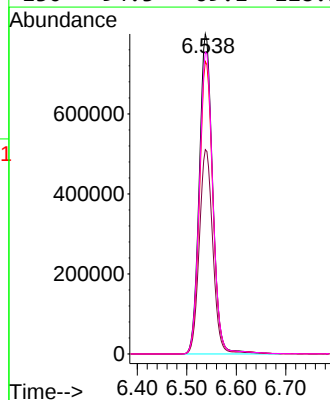
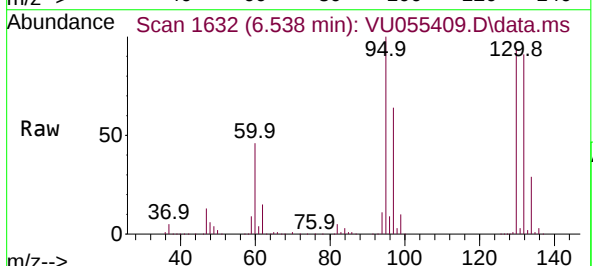
Instrument :
MSVOA_U
ClientSampleId :

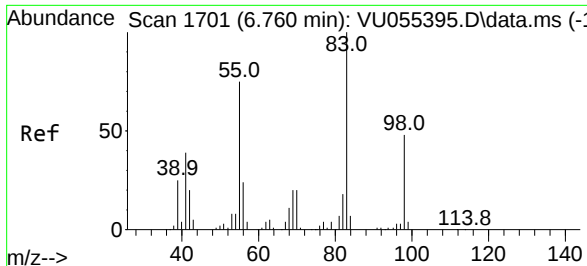
Tgt Ion: 62 Resp: 8763
Ion Ratio Lower Upper
62 100
98 0.0 7.0 10.4#



#34
Trichloroethene
Concen: 83.514 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU055409.D
Acq: 19 Sep 2023 22:51

Tgt Ion: 95 Resp: 1514599
Ion Ratio Lower Upper
95 100
97 63.8 45.4 84.2
132 91.4 65.2 121.2
130 94.3 69.1 128.3

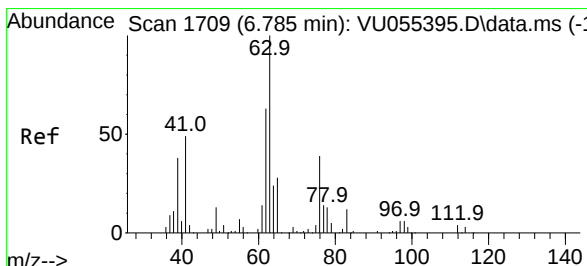
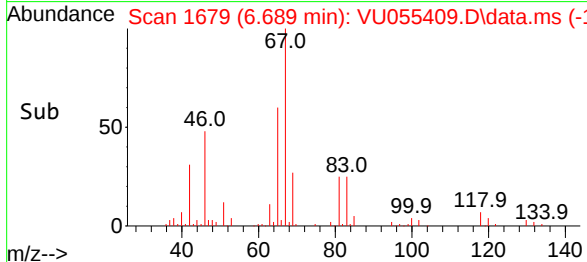
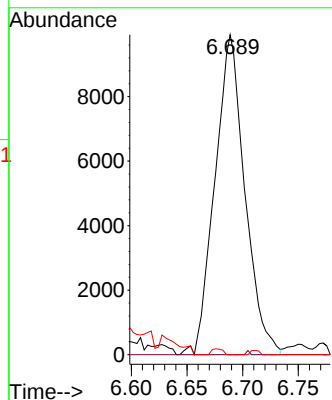
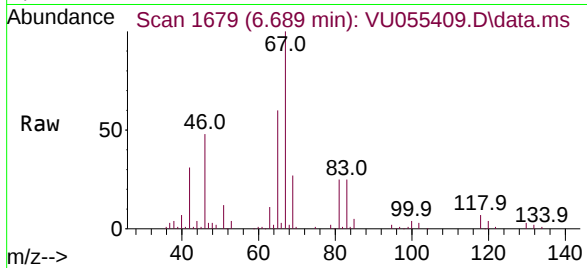




#35
Methylcyclohexane
Concen: 0.710 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.071 min
Lab File: VU055409.D
Acq: 19 Sep 2023 22:51

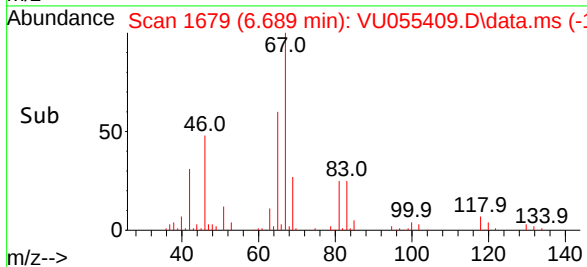
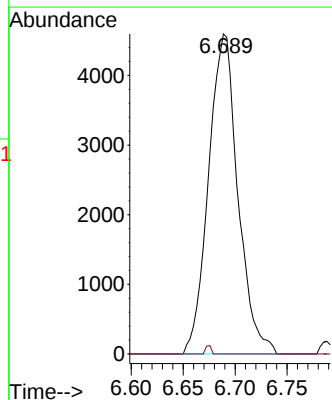
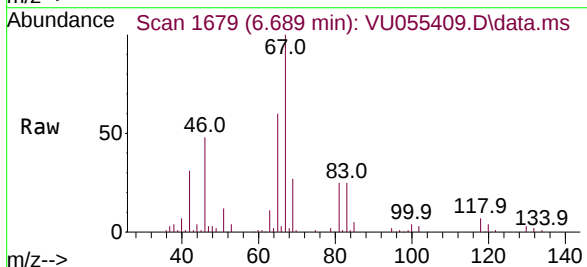
Instrument :
MSVOA_U
ClientSampleId :

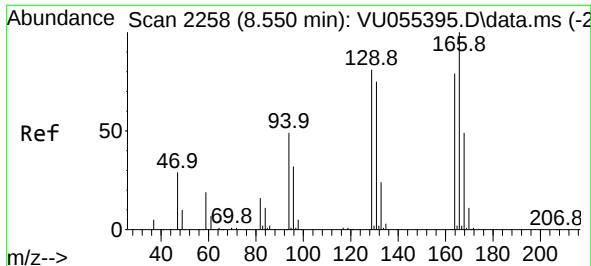
Tgt Ion: 83 Resp: 18537
Ion Ratio Lower Upper
83 100
55 0.1 59.1 88.7#
98 0.0 36.3 54.5#



#37
1,2-Dichloropropane
Concen: 0.539 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.097 min
Lab File: VU055409.D
Acq: 19 Sep 2023 22:51

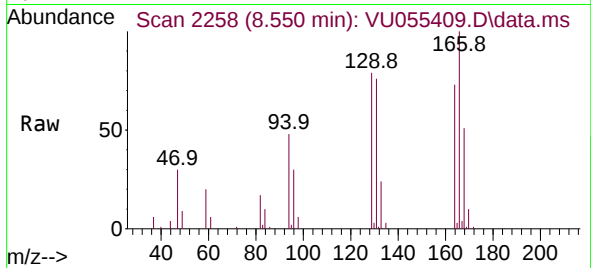
Tgt Ion: 63 Resp: 9032
Ion Ratio Lower Upper
63 100
112 0.5 3.0 4.6#



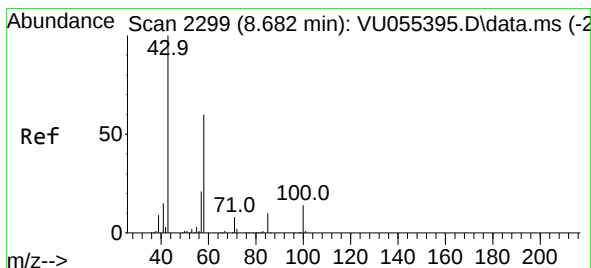
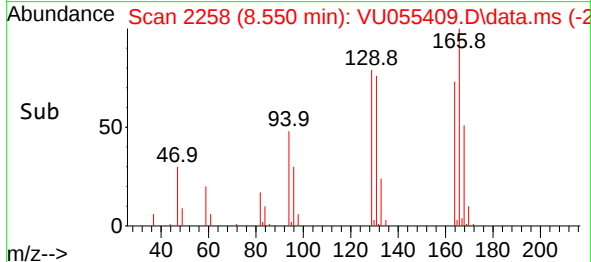
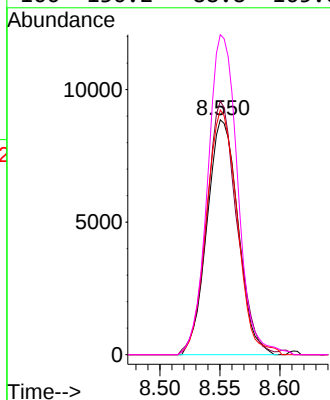


#47
Tetrachloroethene
Concen: 1.227 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055409.D
Acq: 19 Sep 2023 22:51

Instrument :
MSVOA_U
ClientSampleId :

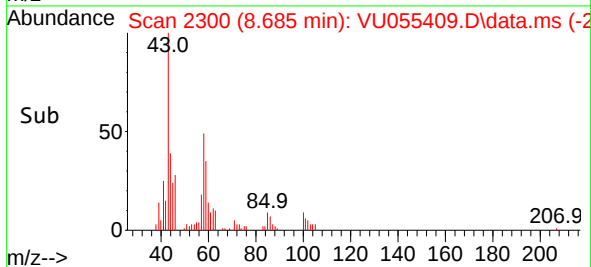
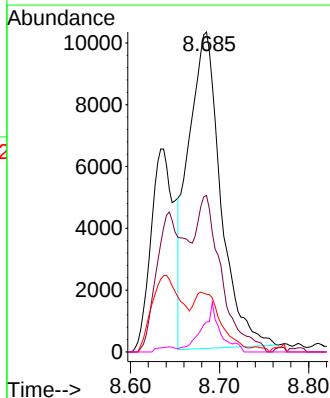
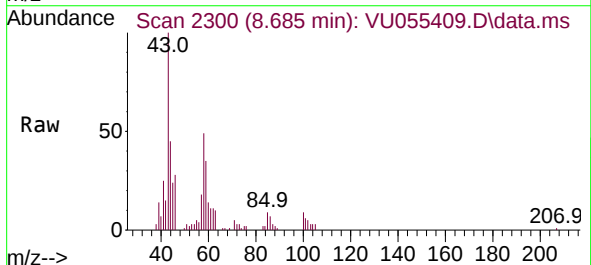


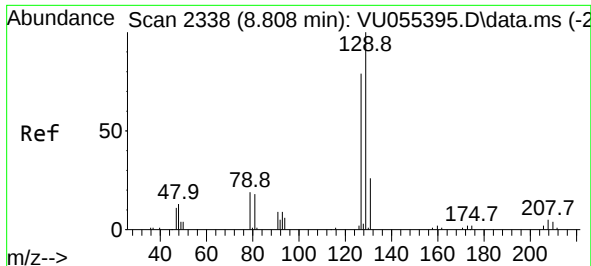
Tgt Ion:164	Resp:	15960
Ion	Ratio	Lower Upper
164	100	
129	107.9	67.4 125.2
131	104.2	66.4 123.2
166	136.2	88.8 165.0



#48
2-Hexanone
Concen: 4.398 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU055409.D
Acq: 19 Sep 2023 22:51

Tgt Ion: 43	Resp:	25923
Ion	Ratio	Lower Upper
43	100	
58	38.5	48.5 72.7#
57	16.2	17.0 25.4#
100	8.7	10.3 15.5#

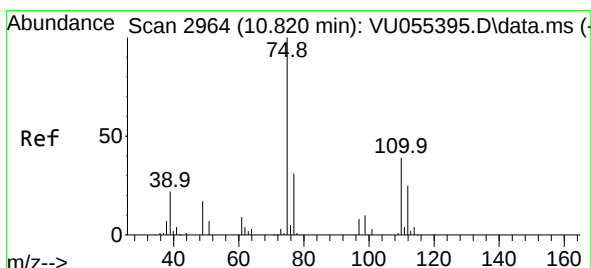
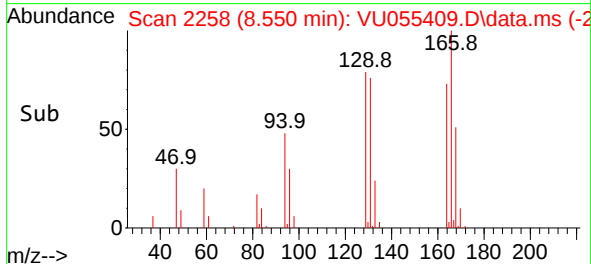
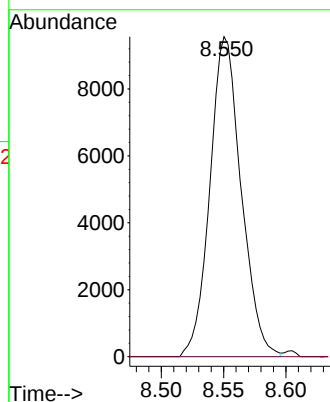
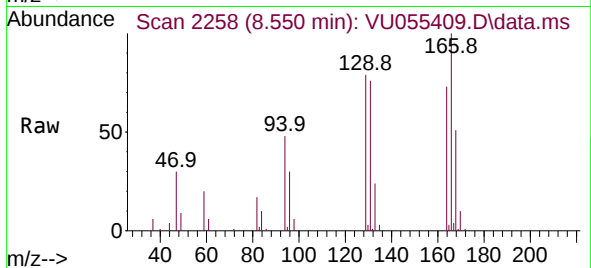




#49
Dibromochloromethane
Concen: 1.354 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU055409.D
Acq: 19 Sep 2023 22:51

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 16685
Ion Ratio Lower Upper
129 100
127 0.0 56.8 105.6#



#61
1,2,3-Trichloropropane
Concen: 1.654 ug/L
RT: 11.811 min Scan# 3272
Delta R.T. 0.990 min
Lab File: VU055409.D
Acq: 19 Sep 2023 22:51

Tgt Ion: 75 Resp: 13614
Ion Ratio Lower Upper
75 100
110 2.1 30.6 45.8#
77 36.0 26.7 40.1

