

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092623\
 Data File : VU055540.D
 Acq On : 27 Sep 2023 01:31
 Operator : MD/SY
 Sample : 04530-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 27 06:37:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 27 06:19:47 2023
 Response via : Initial Calibration

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

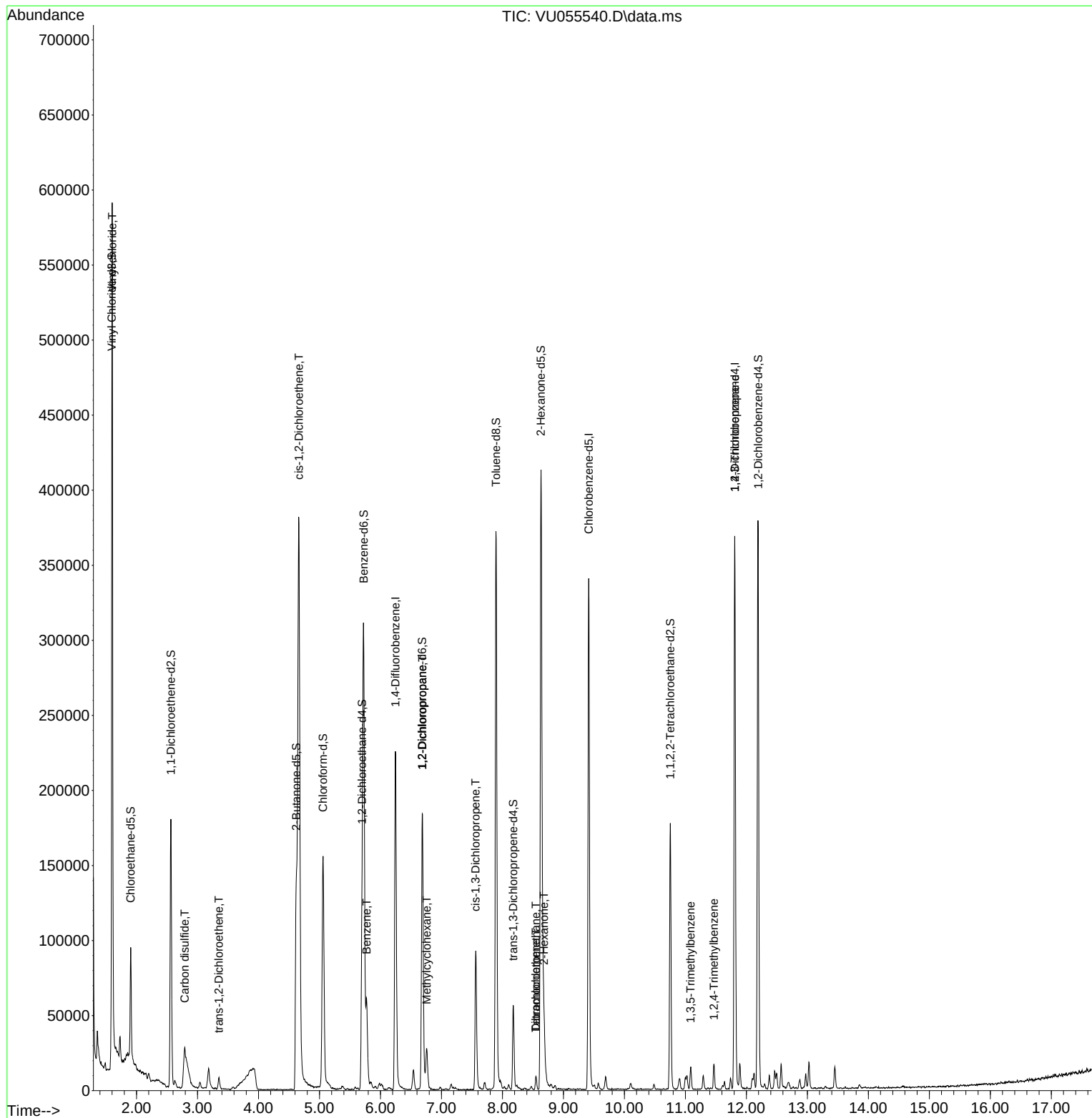
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	193568	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	201969	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	104395	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	79790	4.078	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.600%
7) Chloroethane-d5	1.904	69	51964	3.014	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	60.200%#
11) 1,1-Dichloroethene-d2	2.563	65	33771	4.194	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.800%
20) 2-Butanone-d5	4.621	46	217914	61.668	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.340%
24) Chloroform-d	5.058	84	148555	4.198	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
26) 1,2-Dichloroethane-d4	5.698	65	80107	4.706	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
32) Benzene-d6	5.724	84	306473	4.338	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	6.685	67	95258	4.513	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.200%
41) Toluene-d8	7.894	98	263908	4.099	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.000%
43) trans-1,3-Dichloroprop...	8.177	79	34609	4.672	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.400%
46) 2-Hexanone-d5	8.631	63	132436	58.780	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.560%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	91090	5.758	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	101199	4.803	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.000%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	337566	18.873	ug/L	95
14) Carbon disulfide	2.792	76	8930	0.220	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	3112	0.228	ug/L	86
22) cis-1,2-Dichloroethene	4.663	96	198229	12.534	ug/L	97
33) Benzene	5.772	78	58856	1.012	ug/L	100
35) Methylcyclohexane	6.759	83	11282	0.476	ug/L	95
37) 1,2-Dichloropropane	6.689	63	9635	0.634	ug/L #	89
39) cis-1,3-Dichloropropene	7.560	75	2254	0.111	ug/L #	60
47) Tetrachloroethene	8.547	164	1978	0.168	ug/L	94
48) 2-Hexanone	8.682	43	24322	4.551	ug/L #	91
49) Dibromochloromethane	8.550	129	1971	0.176	ug/L #	9
61) 1,2,3-Trichloropropane	11.811	75	11339	1.391	ug/L #	65
62) 1,3,5-Trimethylbenzene	11.087	105	9666	0.201	ug/L	94
63) 1,2,4-Trimethylbenzene	11.470	105	10198	0.217	ug/L	98

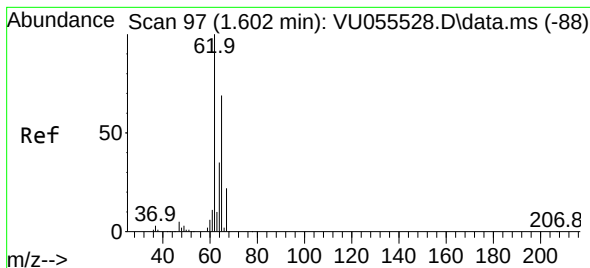
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 18.873 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

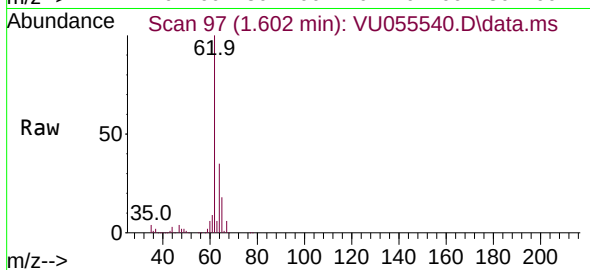
Lab File: VU055540.D

Acq: 27 Sep 2023 01:31

Instrument :

MSVOA_U

ClientSampleId :

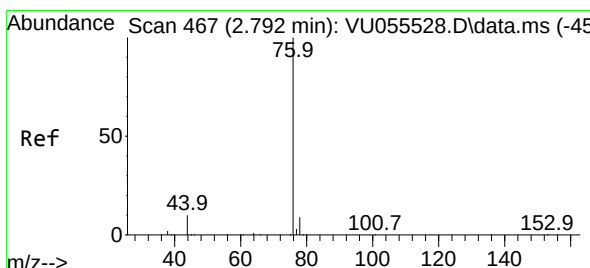
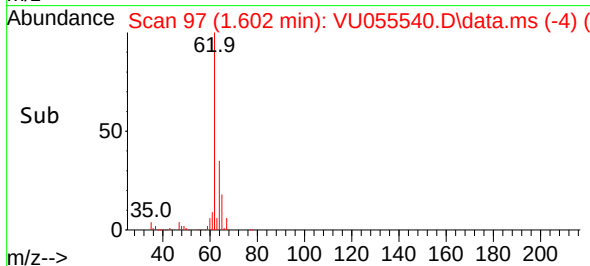
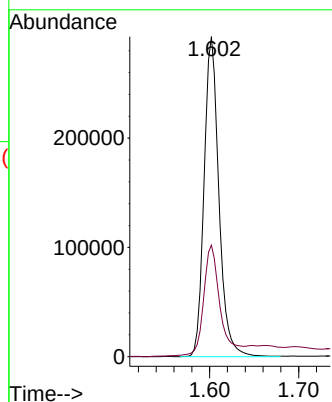


Tgt Ion: 62 Resp: 337566

Ion Ratio Lower Upper

62 100

64 34.8 22.3 41.5



#14

Carbon disulfide

Concen: 0.220 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU055540.D

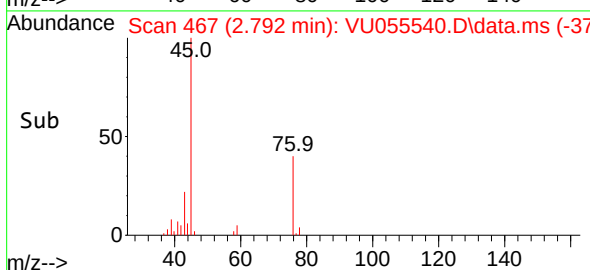
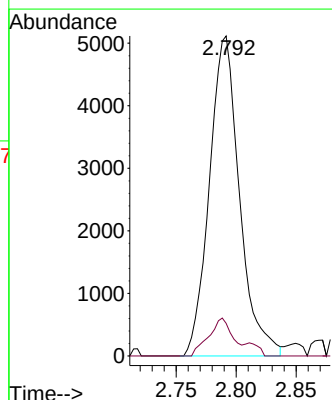
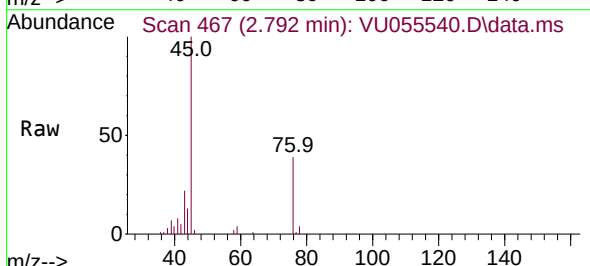
Acq: 27 Sep 2023 01:31

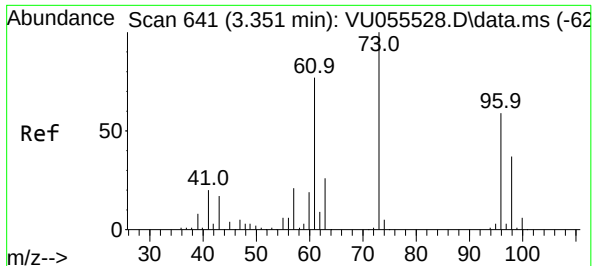
Tgt Ion: 76 Resp: 8930

Ion Ratio Lower Upper

76 100

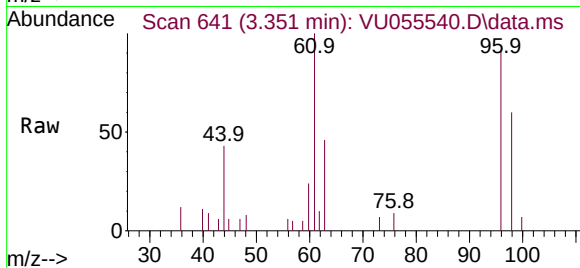
78 10.2 7.7 11.5



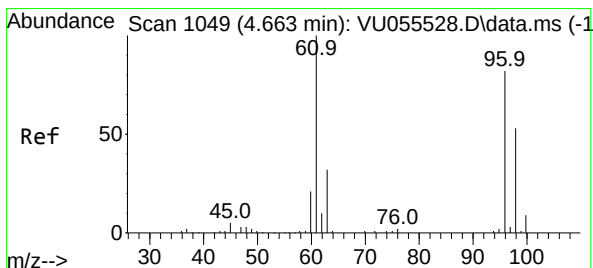
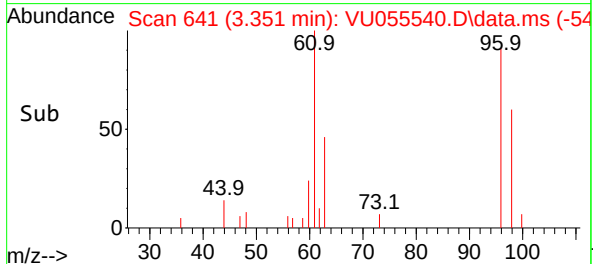
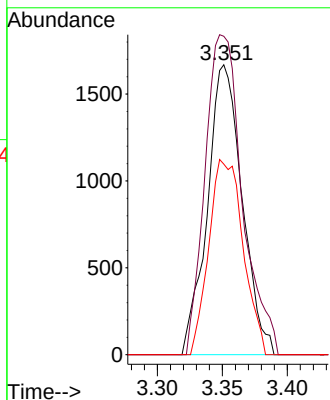


#18
trans-1,2-Dichloroethene
Concen: 0.228 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU055540.D
Acq: 27 Sep 2023 01:31

Instrument :
MSVOA_U
ClientSampleId :

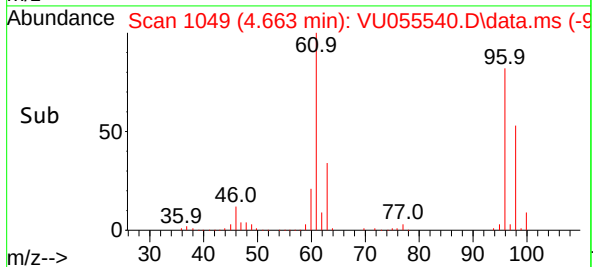
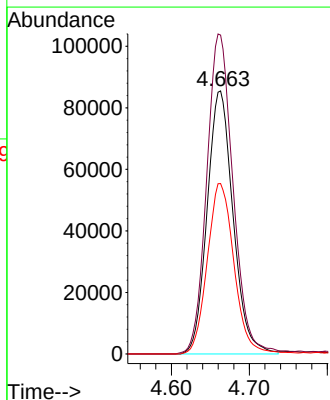
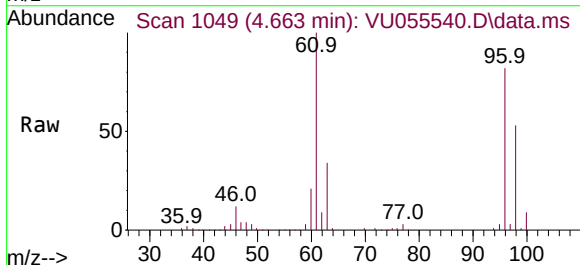


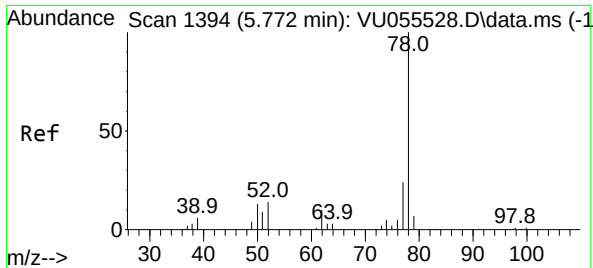
Tgt Ion:	96	Resp:	3112
Ion	Ratio	Lower	Upper
96	100		
61	109.8	94.6	175.6
98	65.7	45.7	84.9



#22
cis-1,2-Dichloroethene
Concen: 12.534 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU055540.D
Acq: 27 Sep 2023 01:31

Tgt Ion:	96	Resp:	198229
Ion	Ratio	Lower	Upper
96	100		
61	121.3	87.8	163.2
98	64.8	44.4	82.4

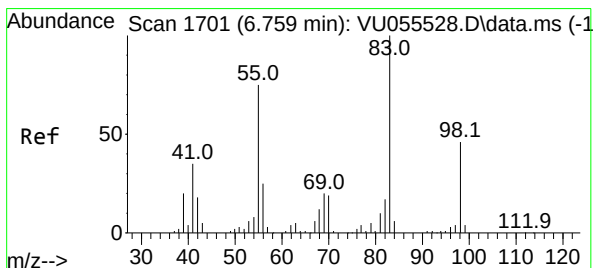
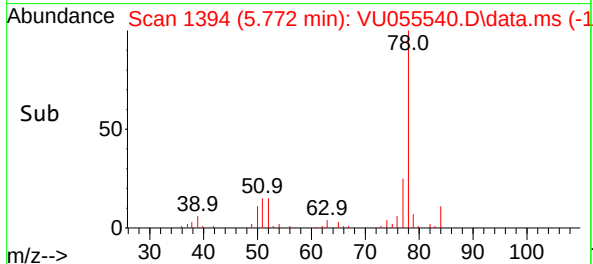
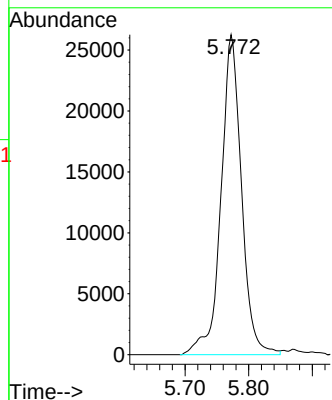
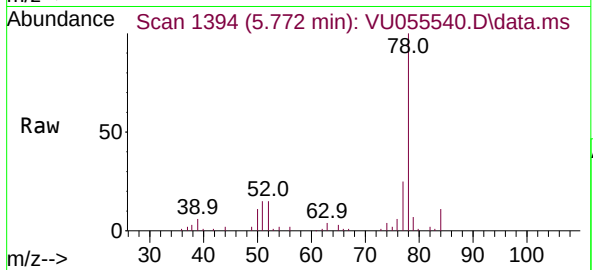




#33
Benzene
Concen: 1.012 ug/L
RT: 5.772 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055540.D
Acq: 27 Sep 2023 01:31

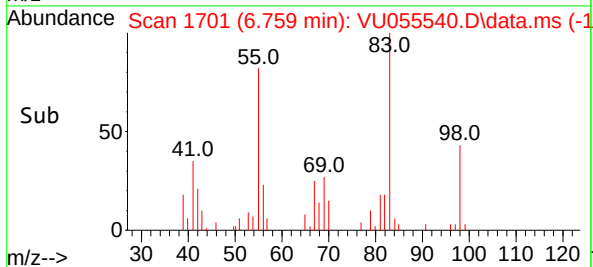
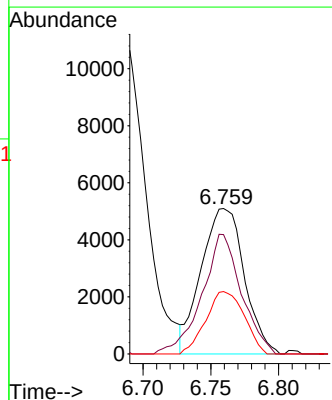
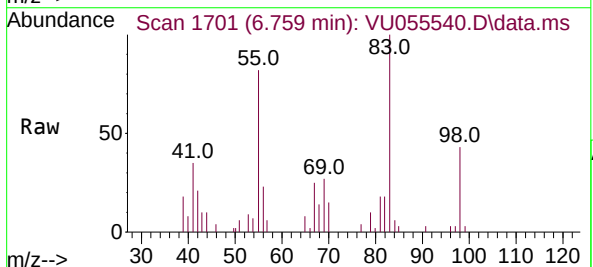
Instrument :
MSVOA_U
ClientSampleId :

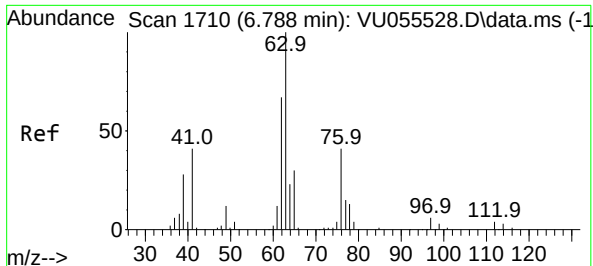
Tgt Ion: 78 Resp: 58856



#35
Methylcyclohexane
Concen: 0.476 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU055540.D
Acq: 27 Sep 2023 01:31

Tgt Ion: 83 Resp: 11282
Ion Ratio Lower Upper
83 100
55 75.0 59.1 88.7
98 38.1 36.3 54.5

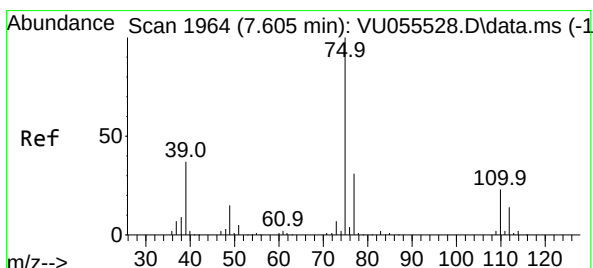
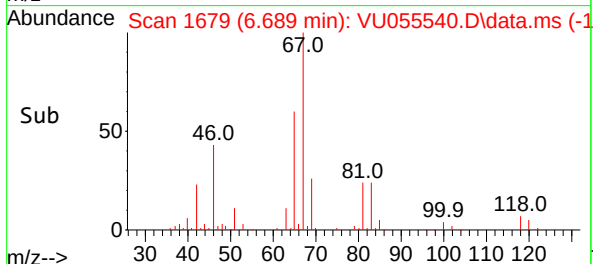
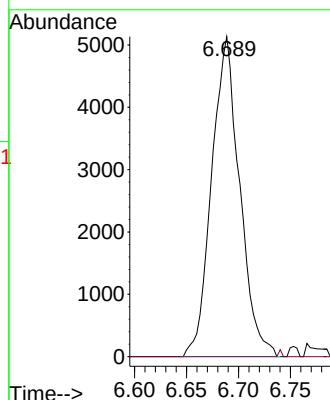
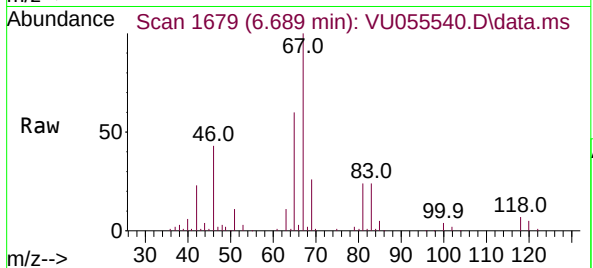




#37
1,2-Dichloropropane
Concen: 0.634 ug/L
RT: 6.689 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU055540.D
Acq: 27 Sep 2023 01:31

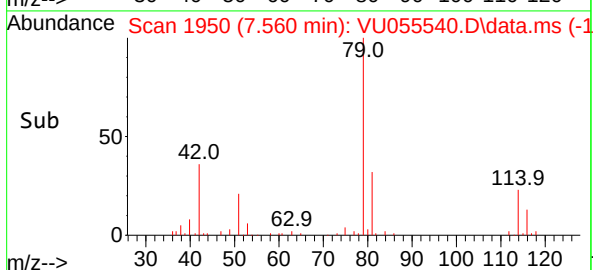
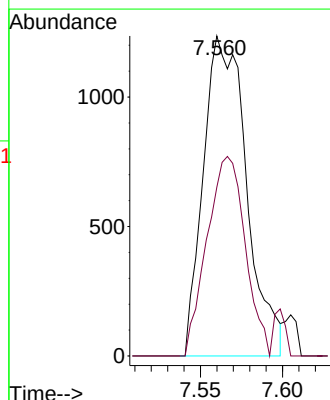
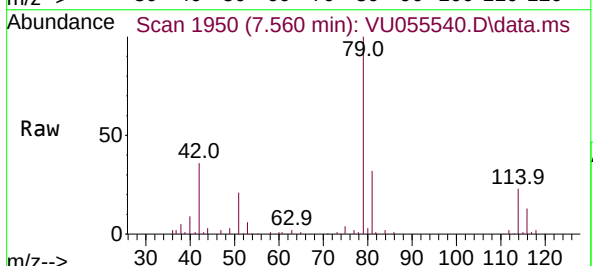
Instrument :
MSVOA_U
ClientSampleId :

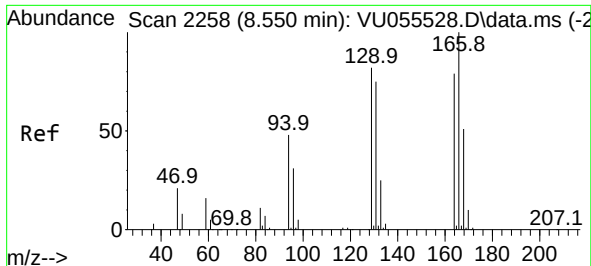
Tgt Ion: 63 Resp: 9635
Ion Ratio Lower Upper
63 100
112 0.2 3.0 4.6#



#39
cis-1,3-Dichloropropene
Concen: 0.111 ug/L
RT: 7.560 min Scan# 1950
Delta R.T. -0.045 min
Lab File: VU055540.D
Acq: 27 Sep 2023 01:31

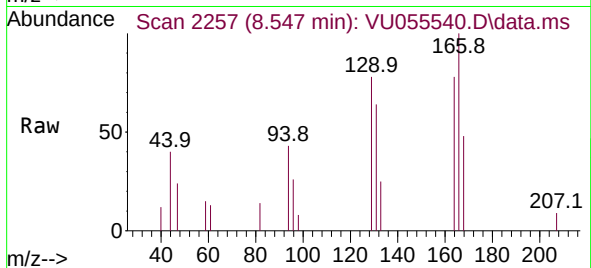
Tgt Ion: 75 Resp: 2254
Ion Ratio Lower Upper
75 100
77 52.8 21.6 40.2#



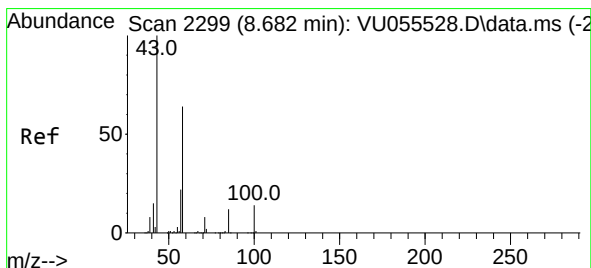
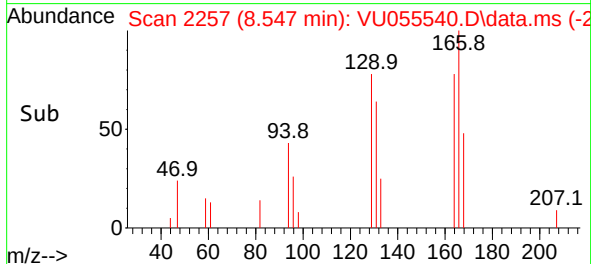
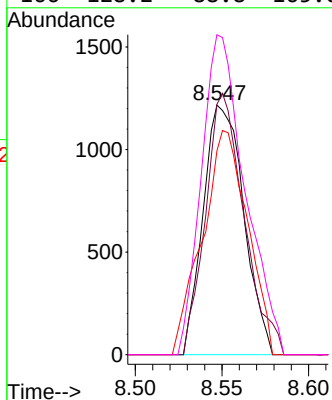


#47
 Tetrachloroethene
 Concen: 0.168 ug/L
 RT: 8.547 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU055540.D
 Acq: 27 Sep 2023 01:31

Instrument :
 MSVOA_U
 ClientSampleId :

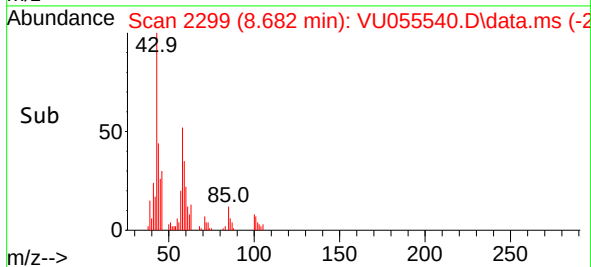
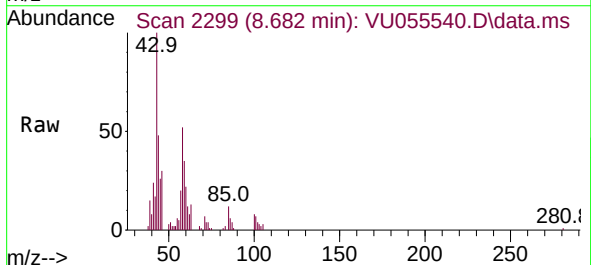
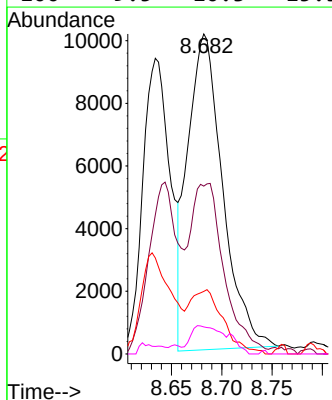


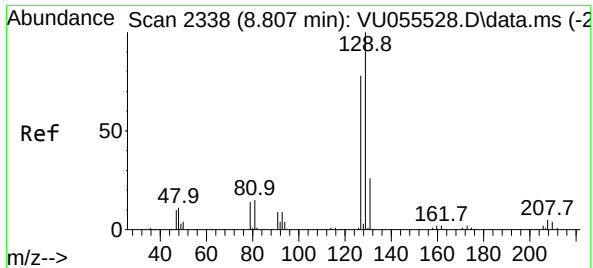
Tgt	Ion:164	Resp:	1978
Ion	Ratio	Lower	Upper
164	100		
129	100.3	67.4	125.2
131	81.7	66.4	123.2
166	128.2	88.8	165.0



#48
 2-Hexanone
 Concen: 4.551 ug/L
 RT: 8.682 min Scan# 2299
 Delta R.T. 0.000 min
 Lab File: VU055540.D
 Acq: 27 Sep 2023 01:31

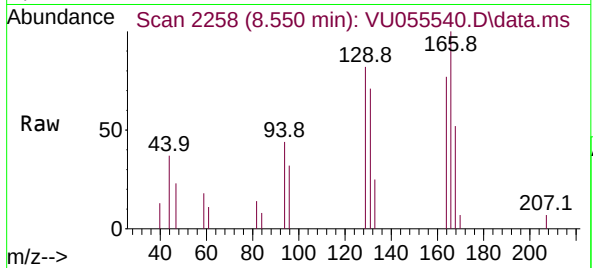
Tgt Ion: 43	Resp:	24322	
Ion	Ratio	Lower	Upper
43	100		
58	51.9	48.5	72.7
57	19.4	17.0	25.4
100	9.5	10.3	15.5#



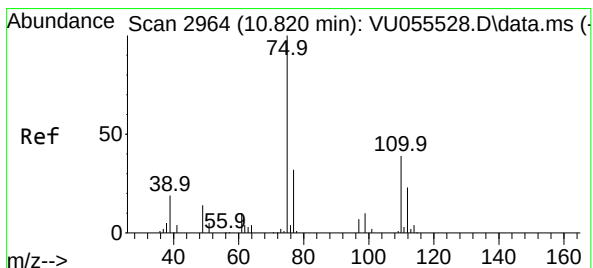
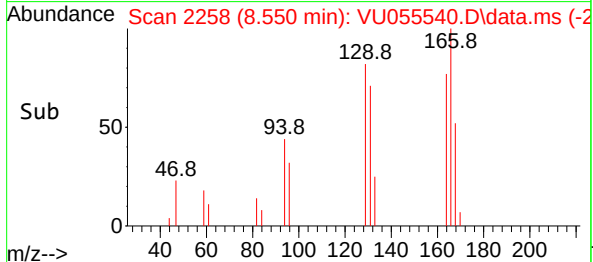
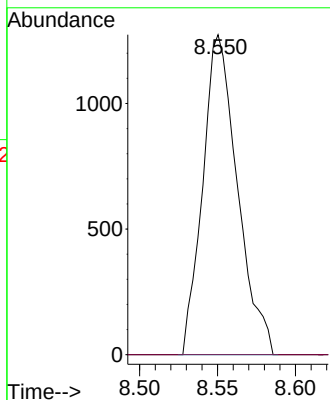


#49
Dibromochloromethane
Concen: 0.176 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU055540.D
Acq: 27 Sep 2023 01:31

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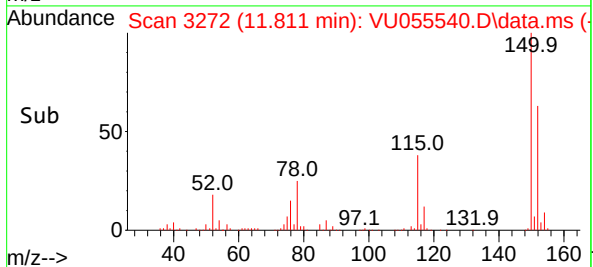
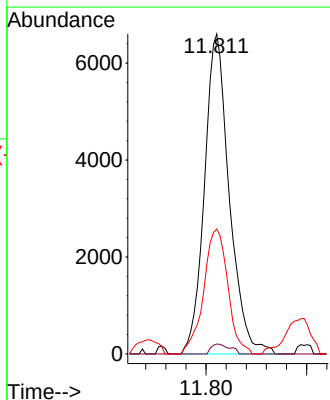
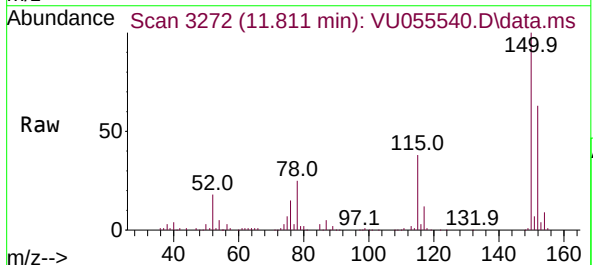


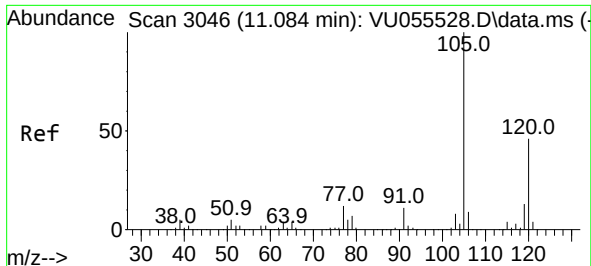
Tgt Ion:129 Resp: 1971
Ion Ratio Lower Upper
129 100
127 0.0 56.8 105.6#



#61
1,2,3-Trichloropropane
Concen: 1.391 ug/L
RT: 11.811 min Scan# 3272
Delta R.T. 0.990 min
Lab File: VU055540.D
Acq: 27 Sep 2023 01:31

Tgt Ion: 75 Resp: 11339
Ion Ratio Lower Upper
75 100
110 2.3 30.6 45.8#
77 37.8 26.7 40.1





#62

1,3,5-Trimethylbenzene

Concen: 0.201 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU055540.D

Acq: 27 Sep 2023 01:31

Instrument :

MSVOA_U

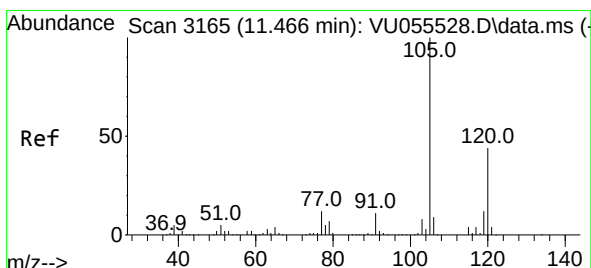
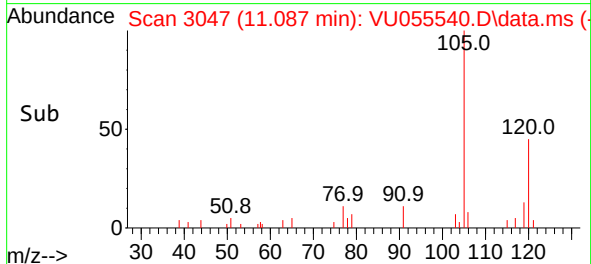
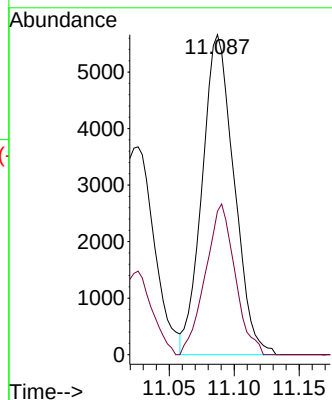
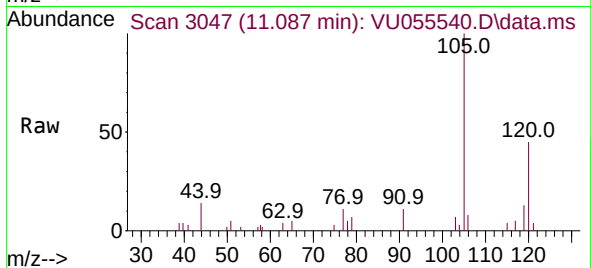
ClientSampleId :

Tgt Ion:105 Resp: 9666

Ion Ratio Lower Upper

105 100

120 43.8 38.1 57.1



#63

1,2,4-Trimethylbenzene

Concen: 0.217 ug/L

RT: 11.470 min Scan# 3166

Delta R.T. 0.003 min

Lab File: VU055540.D

Acq: 27 Sep 2023 01:31

Tgt Ion:105 Resp: 10198

Ion Ratio Lower Upper

105 100

120 44.6 34.9 52.3

