

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092623\
 Data File : VU055515.D
 Acq On : 26 Sep 2023 14:20
 Operator : MD/SY
 Sample : 04610-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 27 04:49:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 27 04:44:22 2023
 Response via : Initial Calibration

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

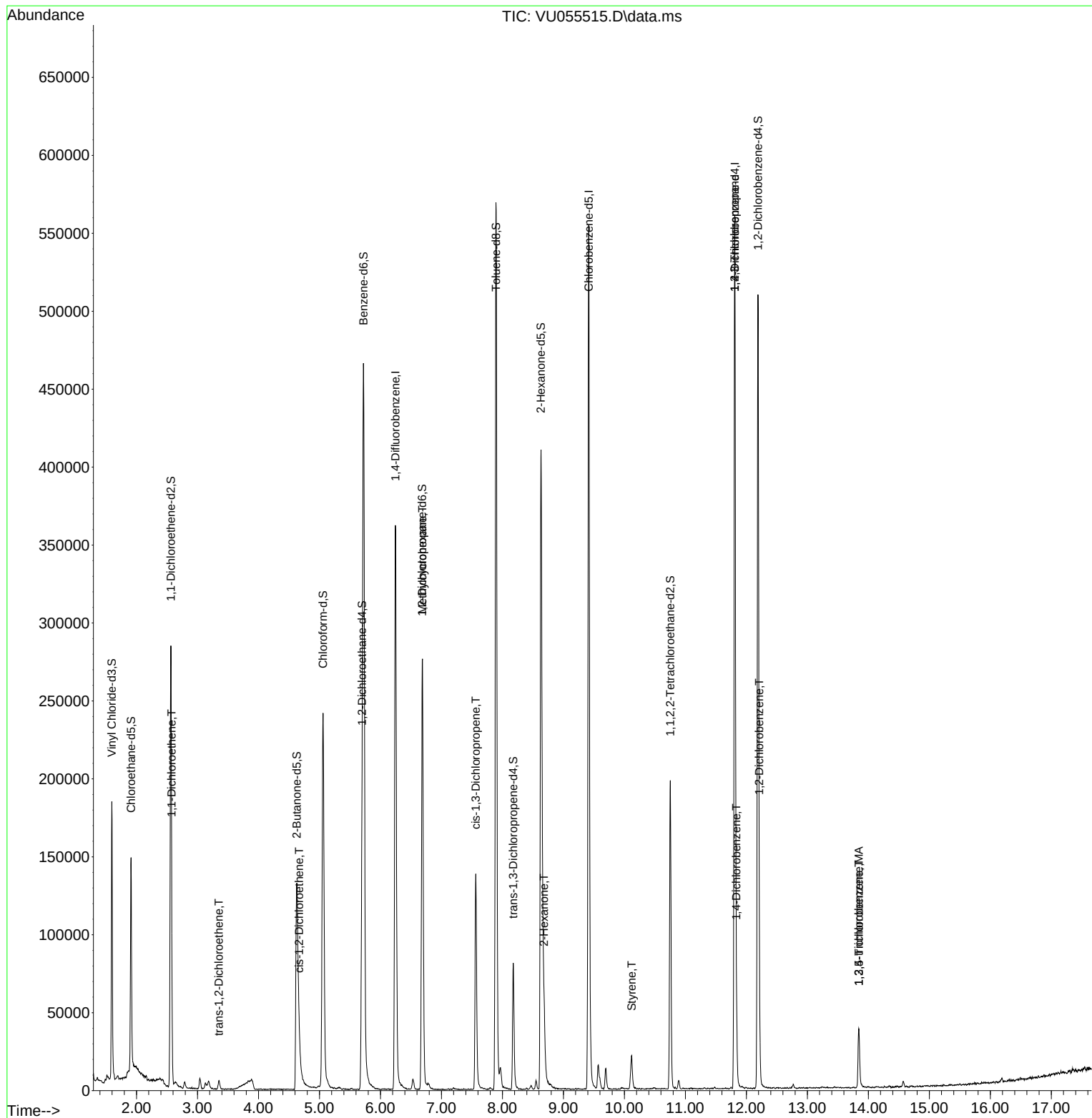
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	306081	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	319244	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	152613	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	129053	4.172	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.400%
7) Chloroethane-d5	1.911	69	97489	3.576	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.600%
11) 1,1-Dichloroethene-d2	2.563	65	53502	4.202	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.000%
20) 2-Butanone-d5	4.628	46	232051	41.529	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.060%
24) Chloroform-d	5.058	84	224655	4.015	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.200%
26) 1,2-Dichloroethane-d4	5.698	65	107293	3.986	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.800%
32) Benzene-d6	5.724	84	461385	4.132	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.600%
36) 1,2-Dichloropropane-d6	6.685	67	138704	4.157	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.200%
41) Toluene-d8	7.894	98	402978	3.959	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.200%
43) trans-1,3-Dichloroprop...	8.177	79	49434	4.222	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.400%
46) 2-Hexanone-d5	8.631	63	134381	37.733	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.460%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	101652	4.065	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	139181	4.518	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.400%
Target Compounds						
12) 1,1-Dichloroethene	2.576	96	2768	0.129	ug/L #	1
18) trans-1,2-Dichloroethene	3.351	96	2529	0.117	ug/L #	65
22) cis-1,2-Dichloroethene	4.666	96	3100	0.124	ug/L	80
35) Methylcyclohexane	6.689	83	32789	0.876	ug/L #	20
39) cis-1,3-Dichloropropene	7.563	75	3683	0.115	ug/L #	58
48) 2-Hexanone	8.682	43	27109	3.209	ug/L #	79
55) Styrene	10.119	104	11493	0.186	ug/L	100
61) 1,2,3-Trichloropropane	11.807	75	22396	1.880	ug/L #	64
65) 1,4-Dichlorobenzene	11.836	146	17092	0.406	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	16072	0.416	ug/L	93
69) 1,3,5-Trichlorobenzene	13.846	180	13741	0.474	ug/L	94
70) 1,2,4-trichlorobenzene	13.846	180	13741	0.622	ug/L	92

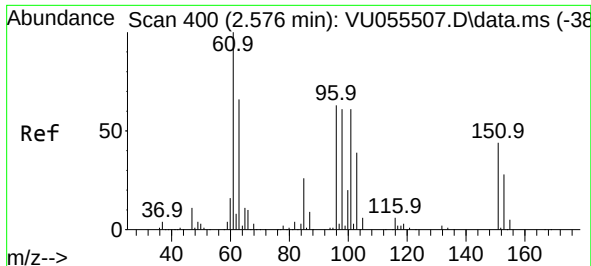
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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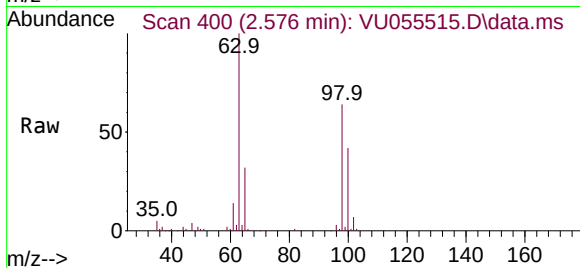
Quant Time: Sep 27 04:49:08 2023
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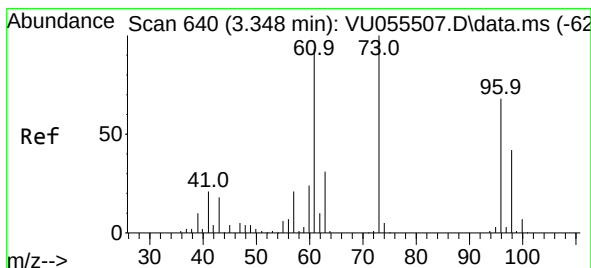
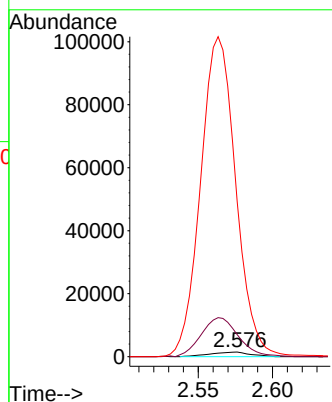
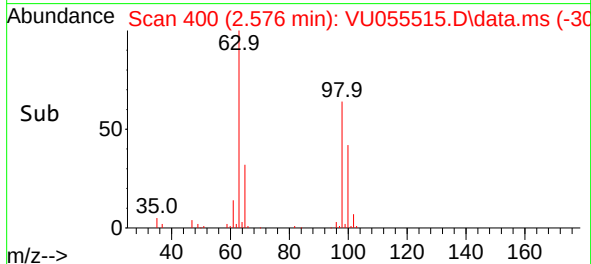


#12
1,1-Dichloroethene
Concen: 0.129 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU055515.D
Acq: 26 Sep 2023 14:20

Instrument :
MSVOA_U
ClientSampleId :

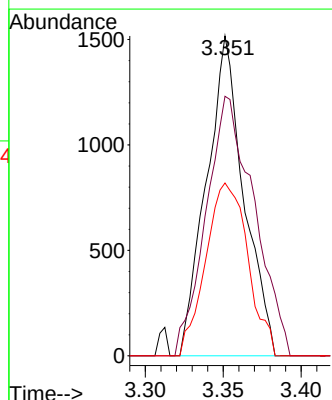
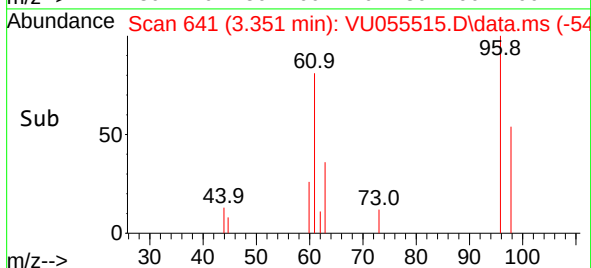
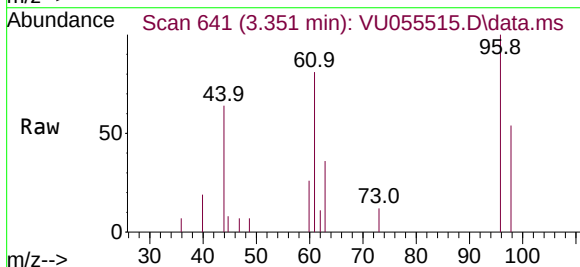


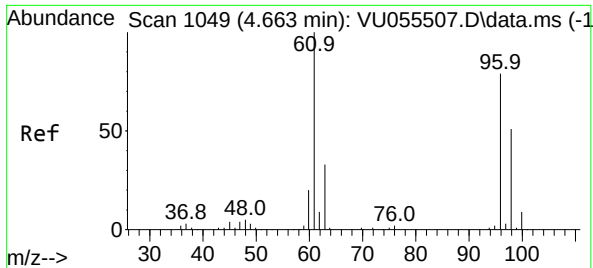
Tgt Ion: 96 Resp: 2768
Ion Ratio Lower Upper
96 100
61 478.6 114.5 212.7#
63 3378.0 98.3 182.5#



#18
trans-1,2-Dichloroethene
Concen: 0.117 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055515.D
Acq: 26 Sep 2023 14:20

Tgt Ion: 96 Resp: 2529
Ion Ratio Lower Upper
96 100
61 81.1 94.6 175.6#
98 54.1 45.7 84.9

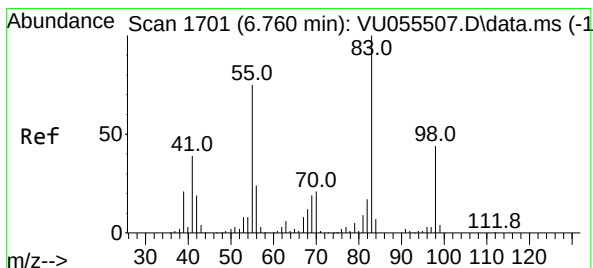
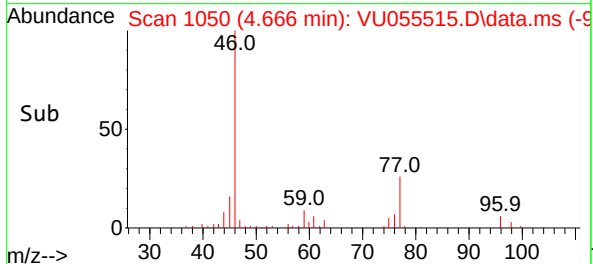
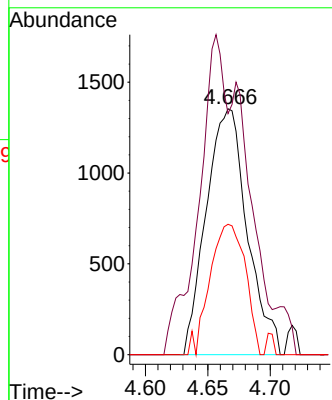
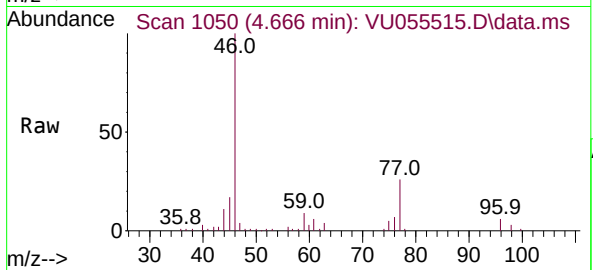




#22
 cis-1,2-Dichloroethene
 Concen: 0.124 ug/L
 RT: 4.666 min Scan# 1050
 Delta R.T. 0.003 min
 Lab File: VU055515.D
 Acq: 26 Sep 2023 14:20

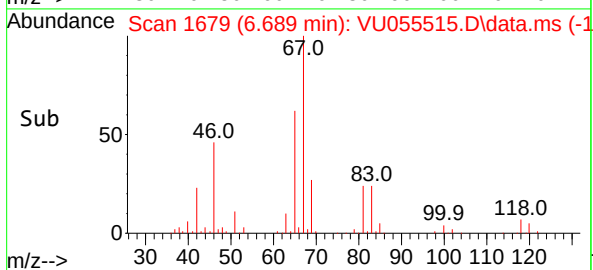
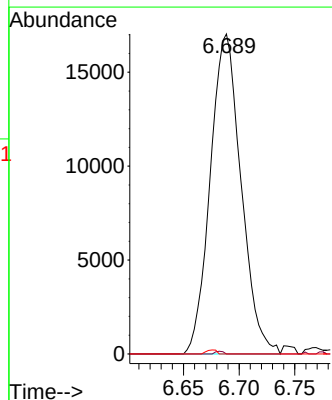
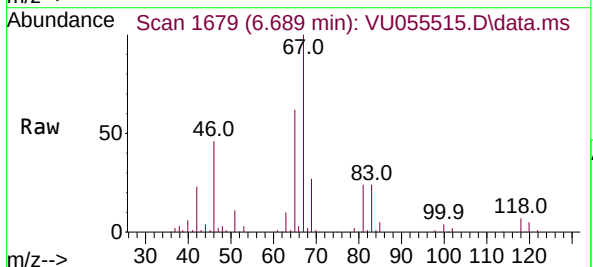
Instrument :
 MSVOA_U
 ClientSampleId :

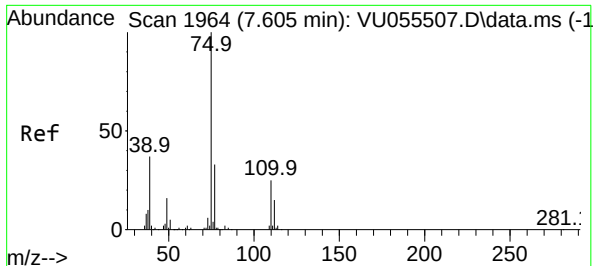
Tgt Ion: 96 Resp: 3100
 Ion Ratio Lower Upper
 96 100
 61 98.1 87.8 163.2
 98 53.0 44.4 82.4



#35
 Methylcyclohexane
 Concen: 0.876 ug/L
 RT: 6.689 min Scan# 1679
 Delta R.T. -0.071 min
 Lab File: VU055515.D
 Acq: 26 Sep 2023 14:20

Tgt Ion: 83 Resp: 32789
 Ion Ratio Lower Upper
 83 100
 55 0.2 59.1 88.7#
 98 0.4 36.3 54.5#

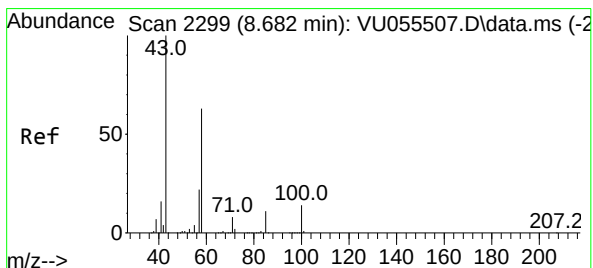
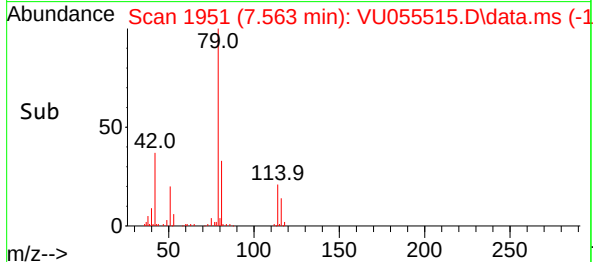
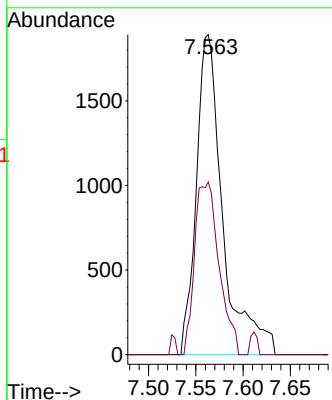
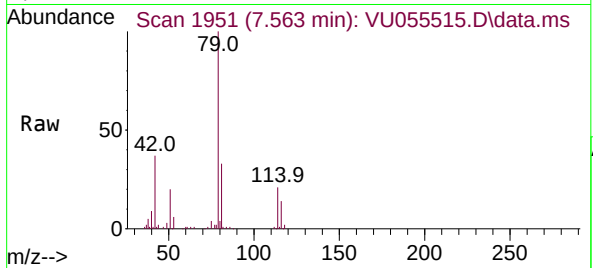




#39
cis-1,3-Dichloropropene
Concen: 0.115 ug/L
RT: 7.563 min Scan# 1964
Delta R.T. -0.042 min
Lab File: VU055515.D
Acq: 26 Sep 2023 14:20

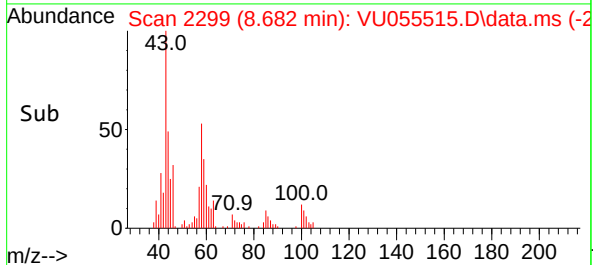
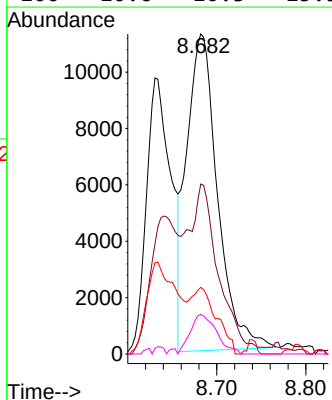
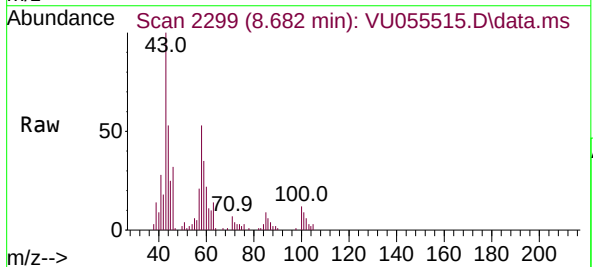
Instrument :
MSVOA_U
ClientSampleId :

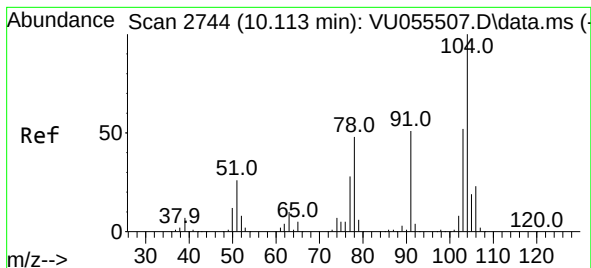
Tgt Ion: 75 Resp: 3683
Ion Ratio Lower Upper
75 100
77 53.9 21.6 40.2#



#48
2-Hexanone
Concen: 3.209 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. -0.000 min
Lab File: VU055515.D
Acq: 26 Sep 2023 14:20

Tgt Ion: 43 Resp: 27109
Ion Ratio Lower Upper
43 100
58 39.7 48.5 72.7#
57 16.3 17.0 25.4#
100 10.6 10.3 15.5





#55

Styrene

Concen: 0.186 ug/L

RT: 10.119 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU055515.D

Acq: 26 Sep 2023 14:20

Instrument :

MSVOA_U

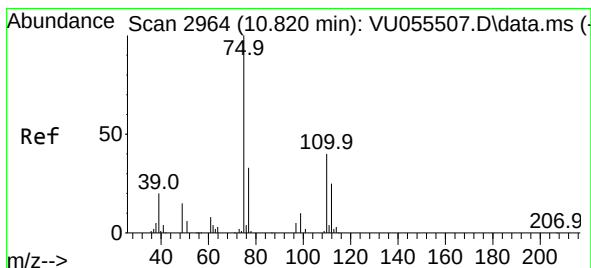
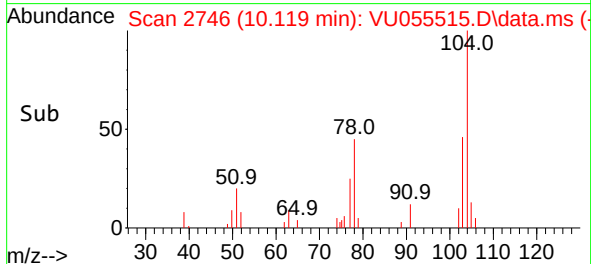
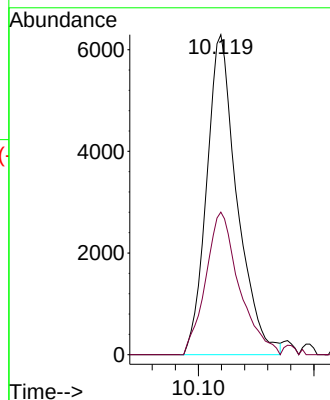
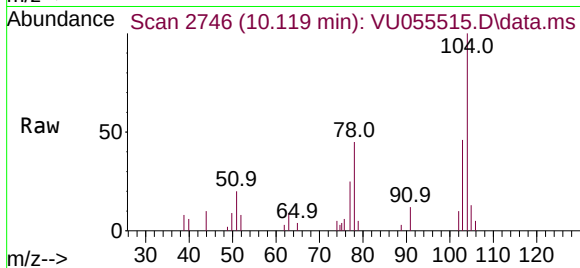
ClientSampleId :

Tgt Ion:104 Resp: 11493

Ion Ratio Lower Upper

104 100

78 44.6 31.2 58.0



#61

1,2,3-Trichloropropane

Concen: 1.880 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.987 min

Lab File: VU055515.D

Acq: 26 Sep 2023 14:20

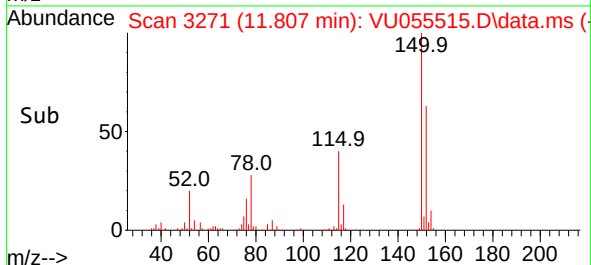
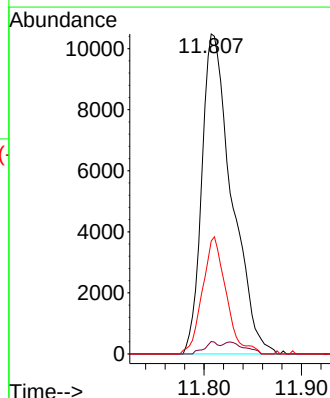
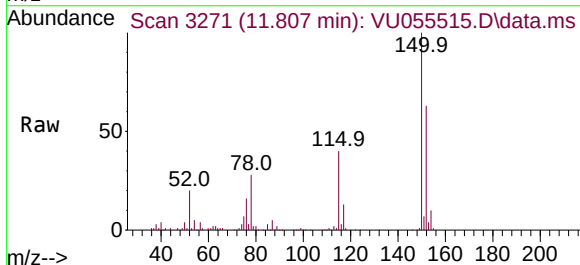
Tgt Ion: 75 Resp: 22396

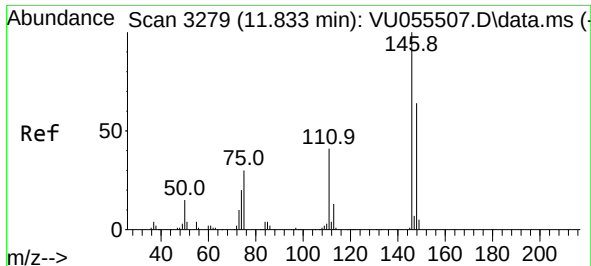
Ion Ratio Lower Upper

75 100

110 1.9 30.6 45.8#

77 29.1 26.7 40.1

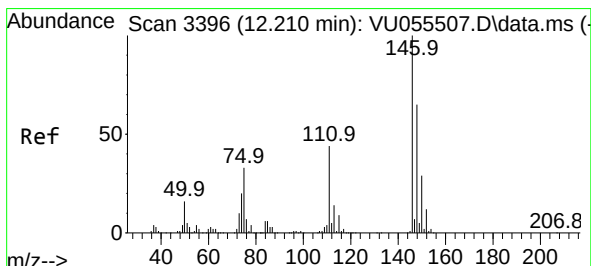
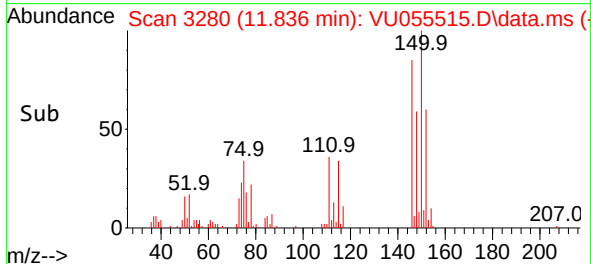
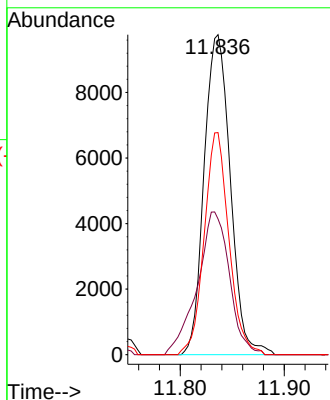
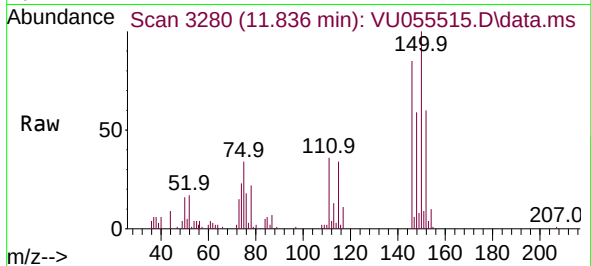




#65
1,4-Dichlorobenzene
Concen: 0.406 ug/L
RT: 11.836 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055515.D
Acq: 26 Sep 2023 14:20

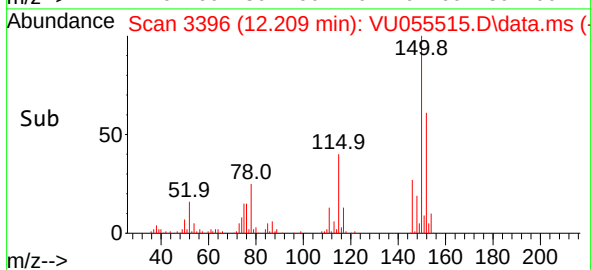
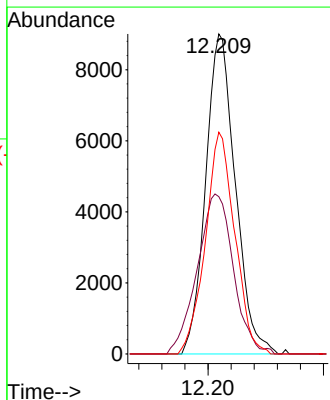
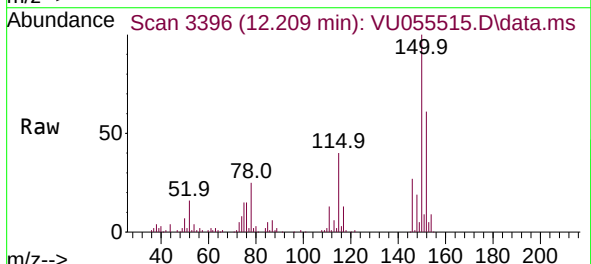
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MSVOA_U
ClientSampleId :

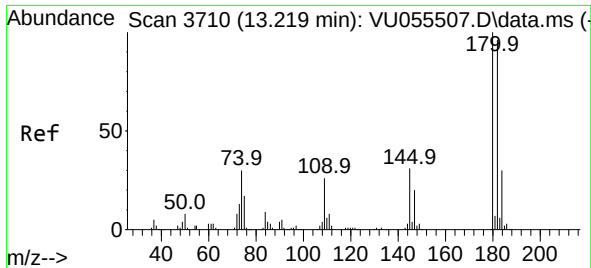
Tgt Ion:146 Resp: 17092
Ion Ratio Lower Upper
146 100
111 42.4 29.0 53.8
148 69.4 45.4 84.4



#67
1,2-Dichlorobenzene
Concen: 0.416 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. -0.000 min
Lab File: VU055515.D
Acq: 26 Sep 2023 14:20

Tgt Ion:146 Resp: 16072
Ion Ratio Lower Upper
146 100
111 49.2 34.6 52.0
148 69.3 51.8 77.8





#69

1,3,5-Trichlorobenzene

Concen: 0.474 ug/L

RT: 13.846 min Scan# 3905

Delta R.T. 0.627 min

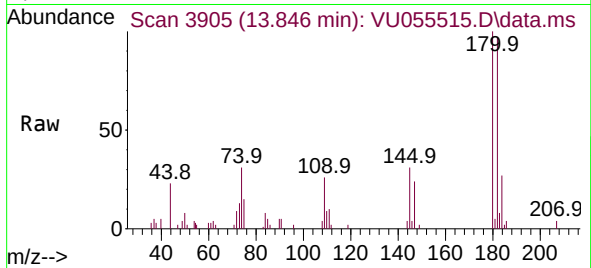
Lab File: VU055515.D

Acq: 26 Sep 2023 14:20

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 13741

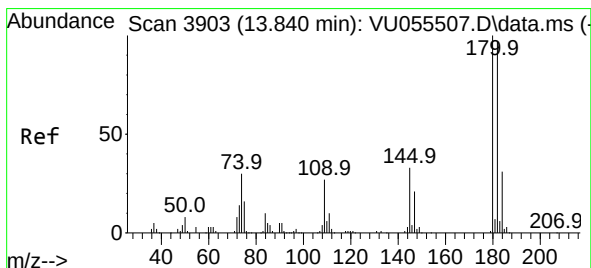
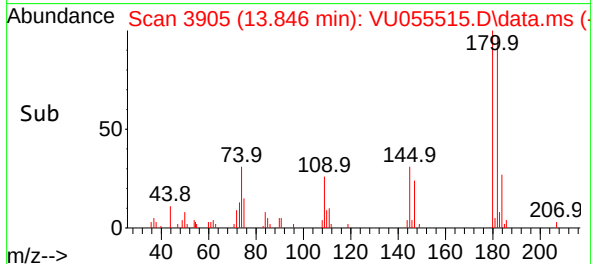
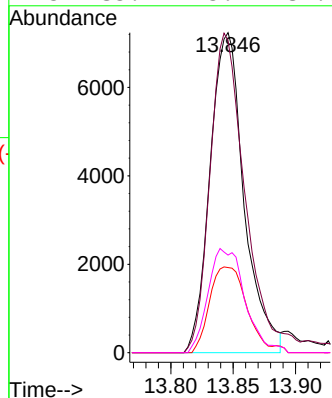
Ion Ratio Lower Upper

180 100

182 103.3 77.1 115.7

184 29.6 24.0 36.0

145 35.2 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 0.622 ug/L

RT: 13.846 min Scan# 3905

Delta R.T. 0.006 min

Lab File: VU055515.D

Acq: 26 Sep 2023 14:20

Tgt Ion:180 Resp: 13741

Ion Ratio Lower Upper

180 100

182 103.3 76.4 114.6

145 35.2 25.4 38.0

