

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100223\
 Data File : VU055625.D
 Acq On : 03 Oct 2023 00:12
 Operator : MD/SY
 Sample : 04679-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 03 06:25:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 03 06:03:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	157671	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	158862	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	100649	5.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	60793	3.815	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.200%
7) Chloroethane-d5	1.914	69	57485	4.093	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.800%
11) 1,1-Dichloroethene-d2	2.567	65	23566	3.593	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.800%
20) 2-Butanone-d5	4.637	46	173730	60.357	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.720%
24) Chloroform-d	5.062	84	132659	4.602	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.000%
26) 1,2-Dichloroethane-d4	5.701	65	69108	4.984	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	5.724	84	250520	4.508	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
36) 1,2-Dichloropropane-d6	6.689	67	80640	4.857	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.894	98	204343	4.035	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.600%
43) trans-1,3-Dichloroprop...	8.177	79	27041	4.641	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.800%
46) 2-Hexanone-d5	8.631	63	106356	60.014	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.020%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	69021	5.547	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	84476	4.158	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	3254	0.241	ug/L	98
5) Vinyl chloride	1.602	62	100535	6.901	ug/L	96
12) 1,1-Dichloroethene	2.579	96	17674	1.603	ug/L	# 38
16) Methylene chloride	3.046	84	7802	0.591	ug/L	88
17) Methyl tert-butyl Ether	3.361	73	12845	0.537	ug/L	# 82
18) trans-1,2-Dichloroethene	3.351	96	132177	11.896	ug/L	98
19) 1,1-Dichloroethane	3.866	63	427599	20.810	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	1199025	93.076	ug/L	97
27) 1,2-Dichloroethane	5.795	62	10102	0.757	ug/L	# 93
33) Benzene	5.775	78	100314	2.194	ug/L	100
37) 1,2-Dichloropropane	6.692	63	8864	0.741	ug/L	# 89
42) Toluene	7.968	91	19351	0.397	ug/L	99
48) 2-Hexanone	8.682	43	14345	3.412	ug/L	# 86
51) Chlorobenzene	9.444	112	1321566	42.306	ug/L	98
52) Ethylbenzene	9.569	91	7142	0.137	ug/L	84
61) 1,2,3-Trichloropropane	11.743	75	640969	81.579	ug/L	# 48
64) 1,3-Dichlorobenzene	11.743	146	1949748	70.205	ug/L	99
65) 1,4-Dichlorobenzene	11.836	146	10525941	379.213	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	137392	5.396	ug/L	98

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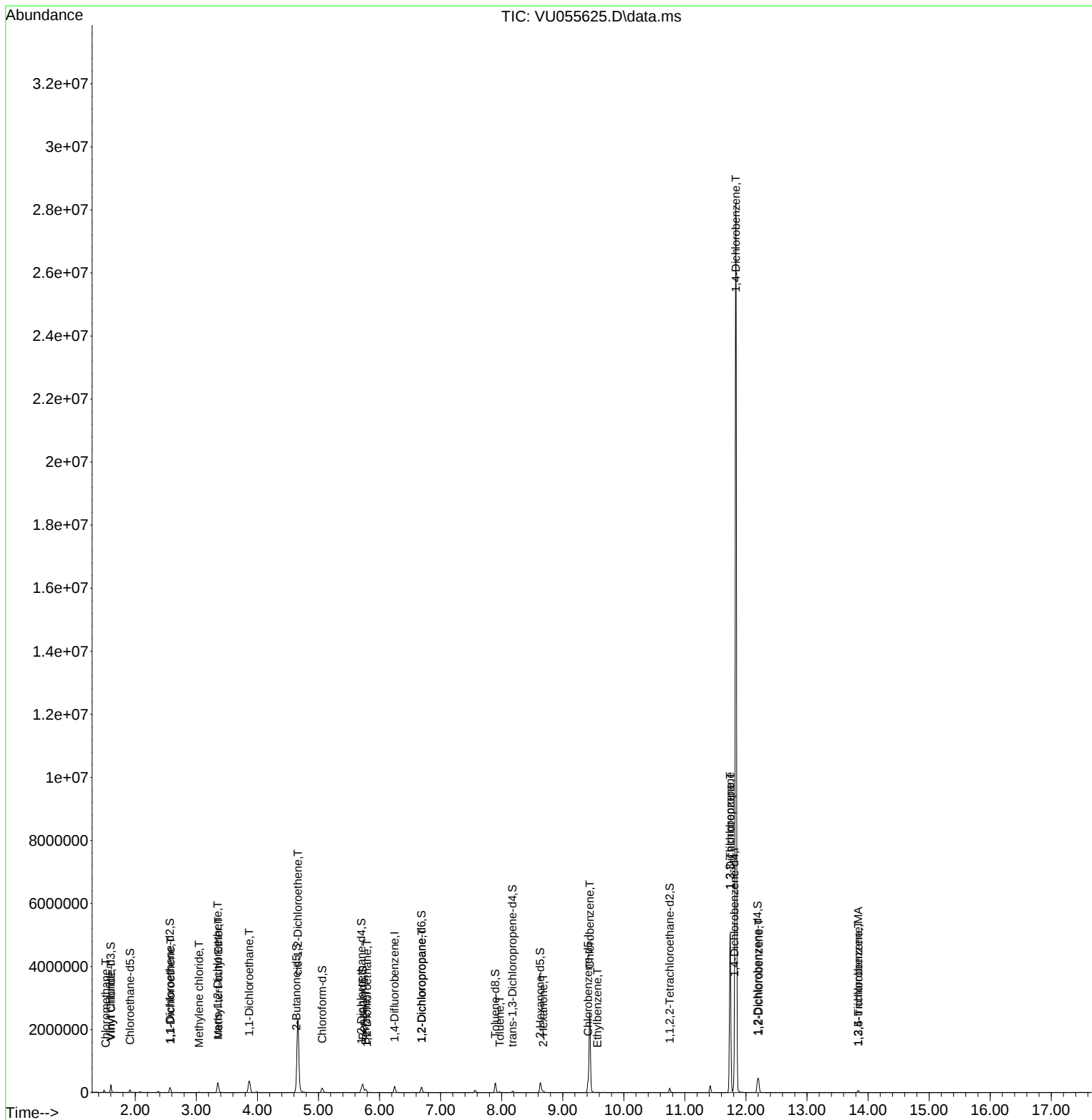
Instrument :
MSVOA_U
ClientSampleId :

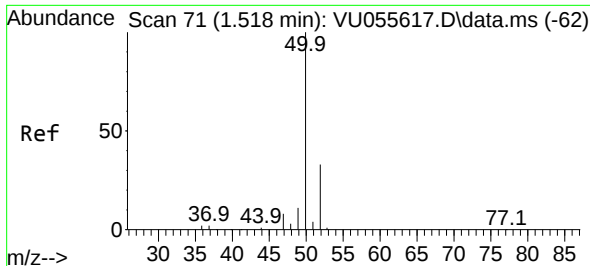
Quant Time: Oct 03 06:25:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 03 06:03:59 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 1,3,5-Trichlorobenzene	13.839	180	19980	1.045	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	19980	1.370	ug/L	98

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

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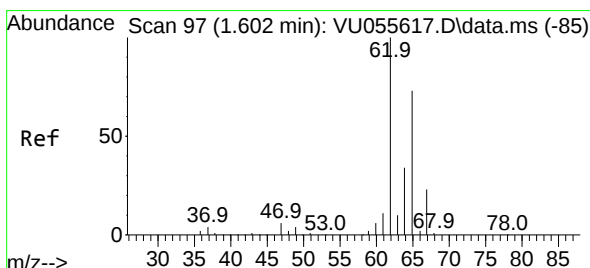
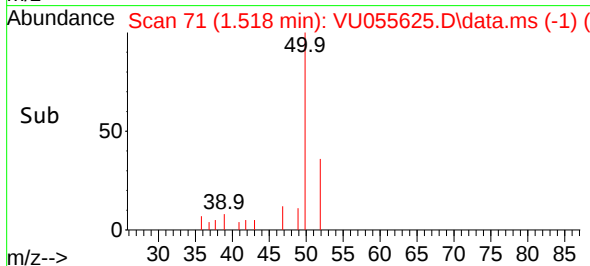
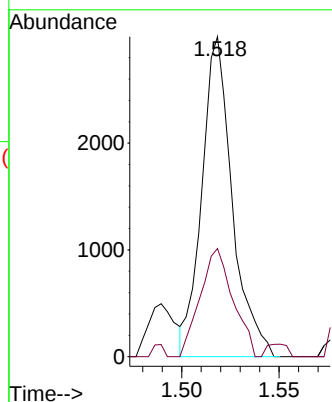
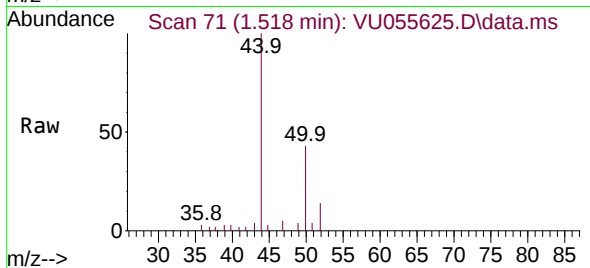
#3
Chloromethane
Concen: 0.241 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU055625.D
Acq: 03 Oct 2023 00:12

Instrument :

MSVOA_U

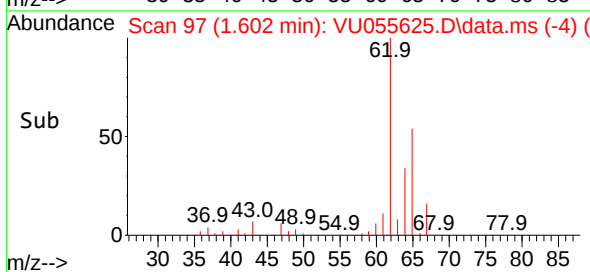
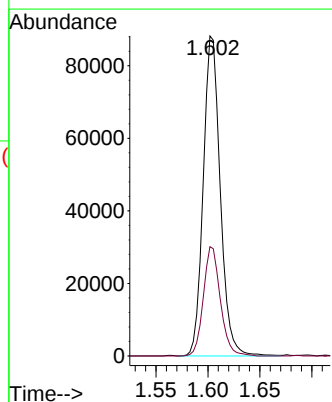
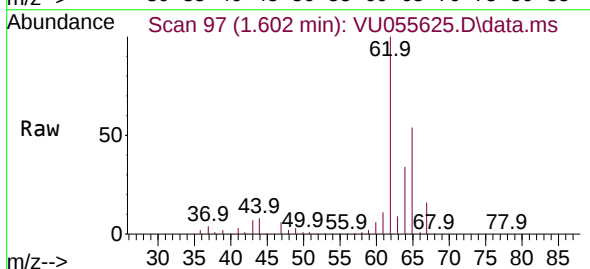
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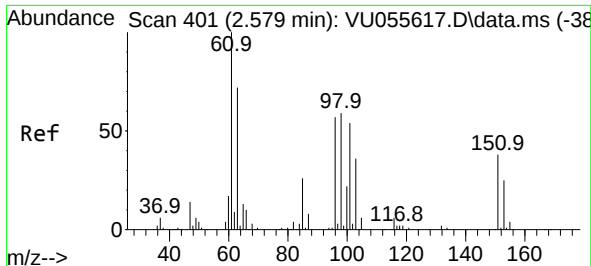
Tgt Ion: 50 Resp: 3254
Ion Ratio Lower Upper
50 100
52 33.8 22.9 42.5



#5
Vinyl chloride
Concen: 6.901 ug/L
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU055625.D
Acq: 03 Oct 2023 00:12

Tgt Ion: 62 Resp: 100535
Ion Ratio Lower Upper
62 100
64 34.1 22.3 41.5





#12

1,1-Dichloroethene

Concen: 1.603 ug/L

RT: 2.579 min Scan# 401

Delta R.T. -0.000 min

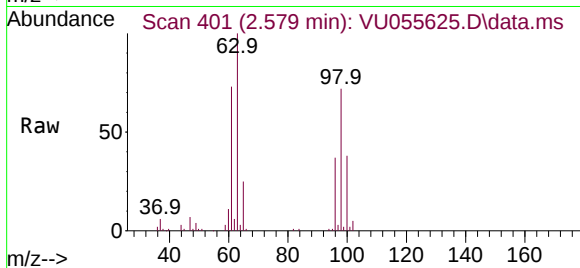
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Acq: 03 Oct 2023 00:12

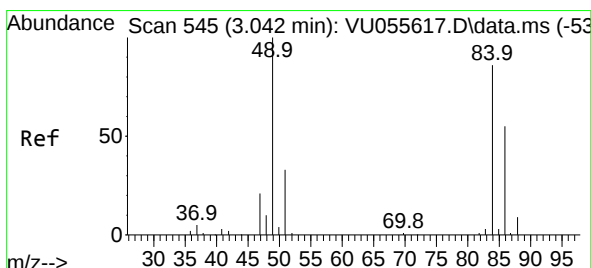
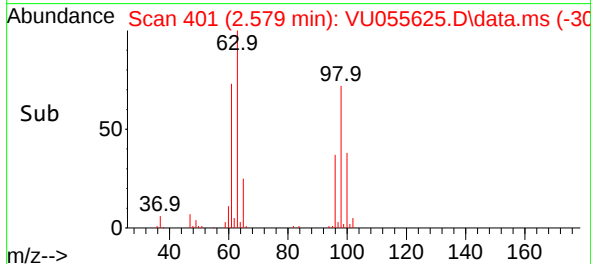
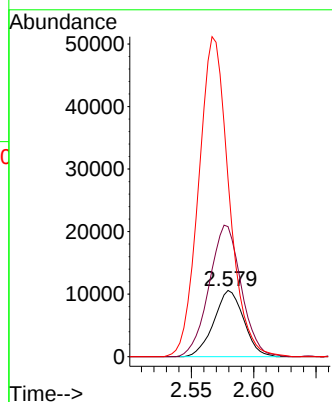
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	96	Resp:	17674
Ion	Ratio	Lower	Upper
96	100		
61	196.4	114.5	212.7
63	268.3	98.3	182.5



#16

Methylene chloride

Concen: 0.591 ug/L

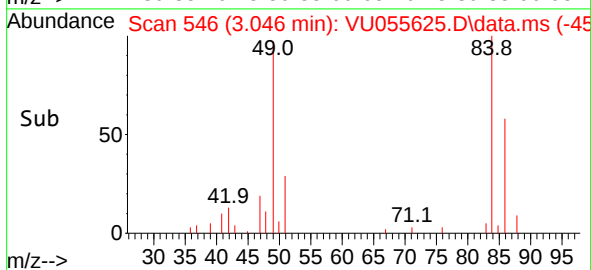
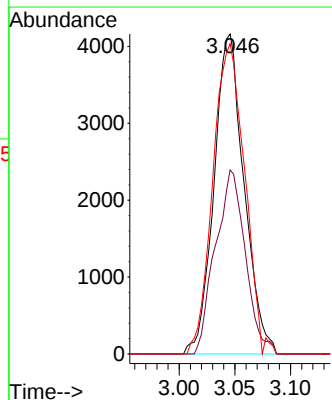
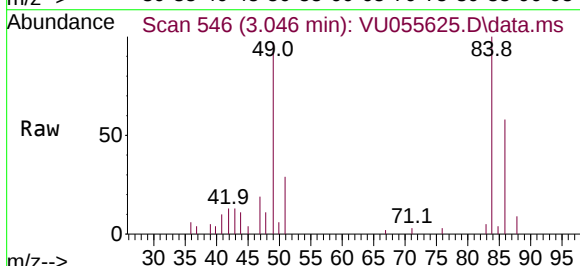
RT: 3.046 min Scan# 546

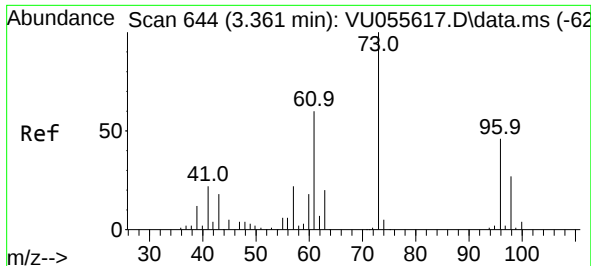
Delta R.T. 0.003 min

Lab File: VU055625.D

Acq: 03 Oct 2023 00:12

Tgt Ion:	84	Resp:	7802
Ion	Ratio	Lower	Upper
84	100		
86	57.5	44.9	83.3
49	96.9	78.8	146.3

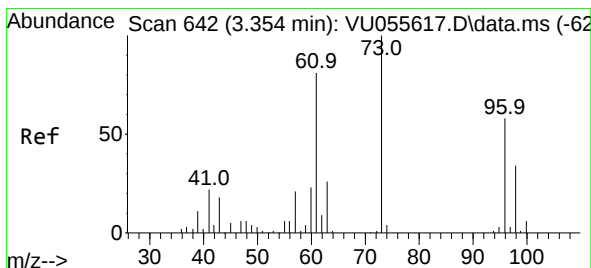
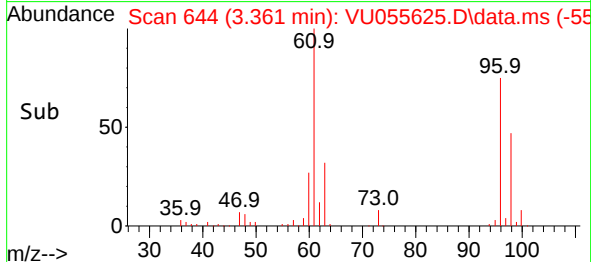
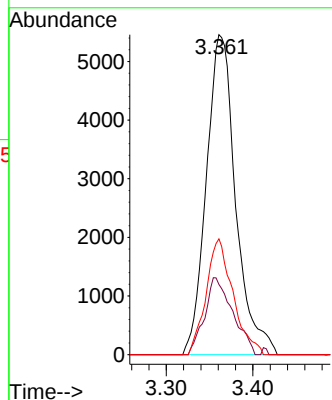
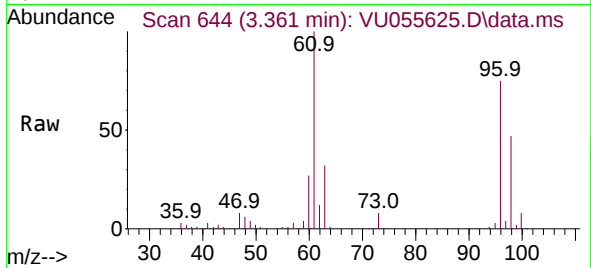




#17
Methyl tert-butyl Ether
Concen: 0.537 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU055625.D
Acq: 03 Oct 2023 00:12

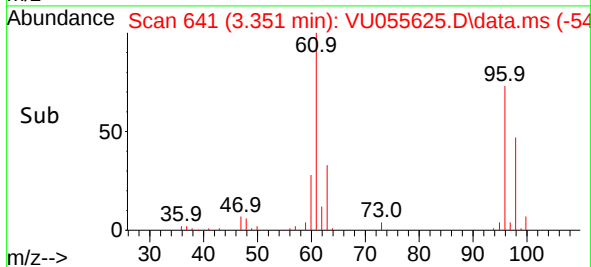
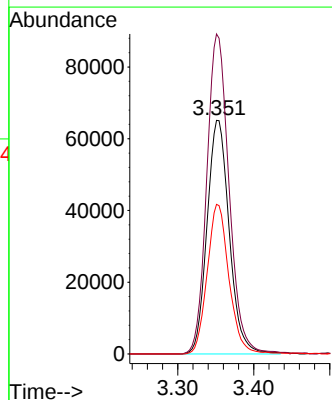
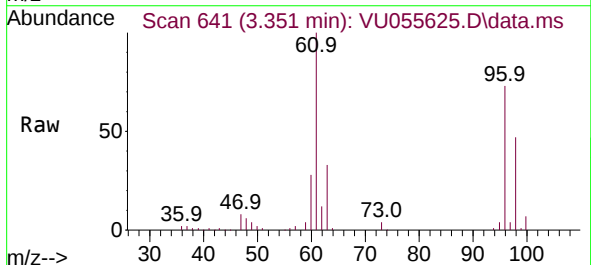
Instrument :
MSVOA_U
ClientSampleId :

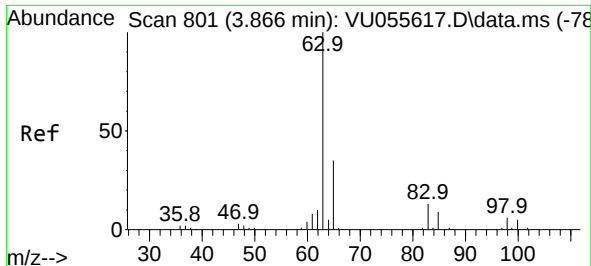
Tgt Ion: 73 Resp: 12845
Ion Ratio Lower Upper
73 100
43 23.0 14.9 22.3#
57 33.2 17.3 25.9#



#18
trans-1,2-Dichloroethene
Concen: 11.896 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055625.D
Acq: 03 Oct 2023 00:12

Tgt Ion: 96 Resp: 132177
Ion Ratio Lower Upper
96 100
61 137.0 94.6 175.6
98 64.0 45.7 84.9





#19

1,1-Dichloroethane

Concen: 20.810 ug/L

RT: 3.866 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU055625.D

Acq: 03 Oct 2023 00:12

Instrument :

MSVOA_U

ClientSampleId :

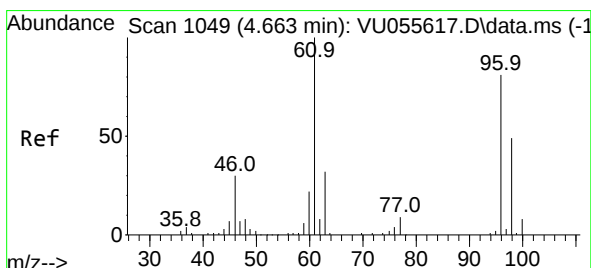
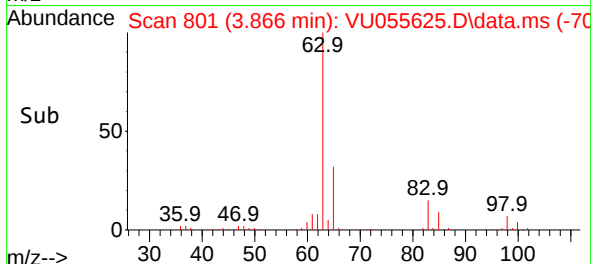
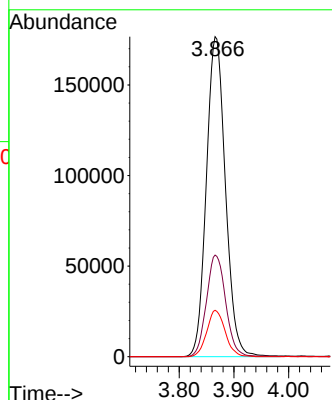
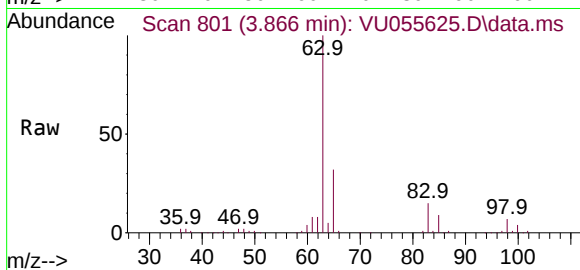
Tgt Ion: 63 Resp: 427599

Ion Ratio Lower Upper

63 100

65 31.8 22.0 41.0

83 14.5 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 93.076 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VU055625.D

Acq: 03 Oct 2023 00:12

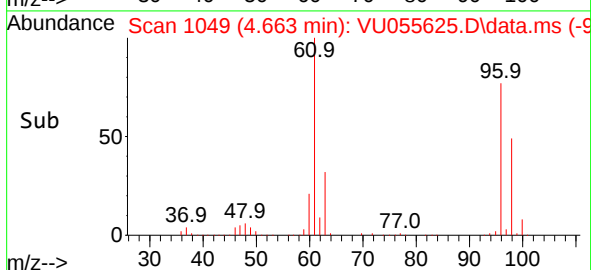
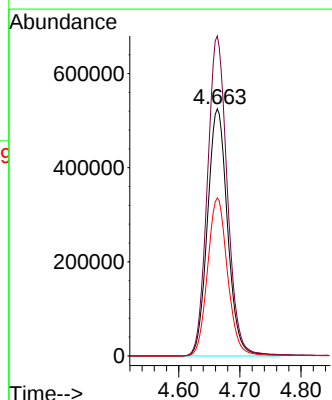
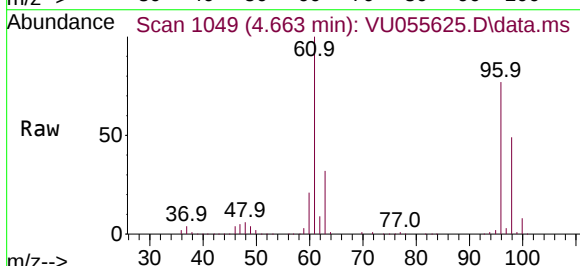
Tgt Ion: 96 Resp: 1199025

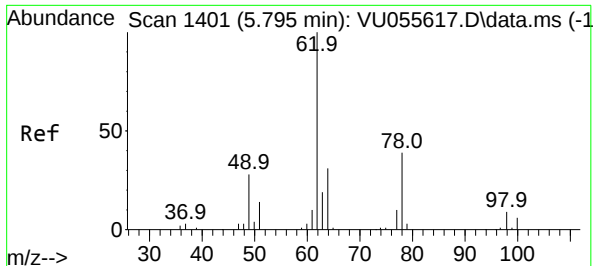
Ion Ratio Lower Upper

96 100

61 129.4 87.8 163.2

98 63.9 44.4 82.4





#27

1,2-Dichloroethane

Concen: 0.757 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. -0.000 min

Lab File: VU055625.D

Acq: 03 Oct 2023 00:12

Instrument :

MSVOA_U

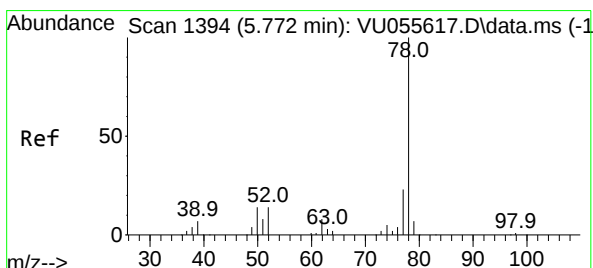
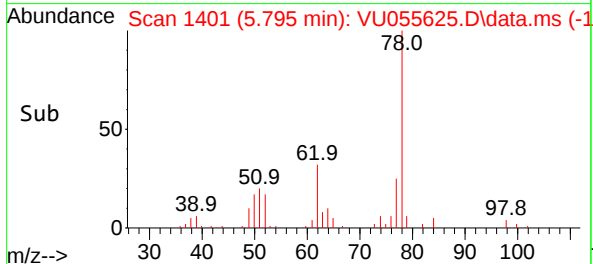
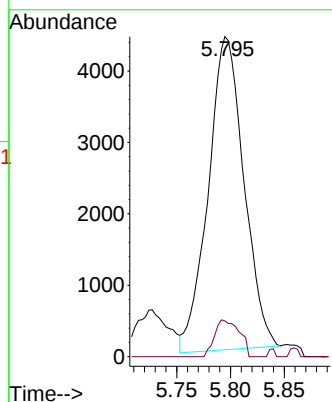
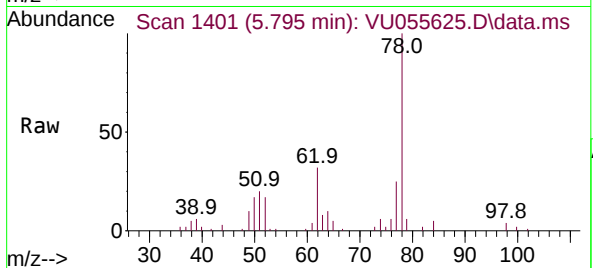
ClientSampleId :

Tgt Ion: 62 Resp: 10102

Ion Ratio Lower Upper

62 100

98 11.2 7.0 10.4#



#33

Benzene

Concen: 2.194 ug/L

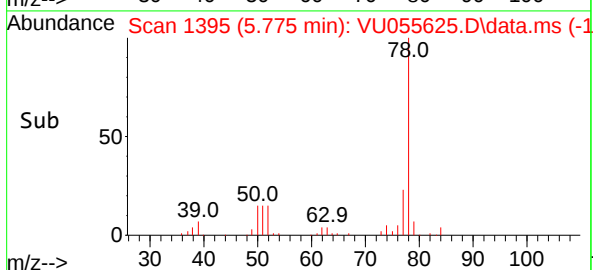
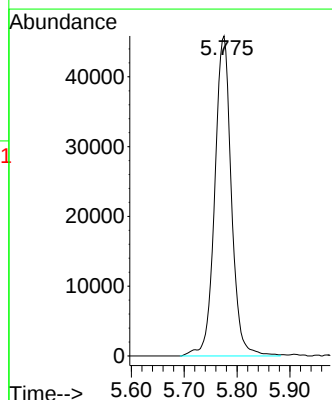
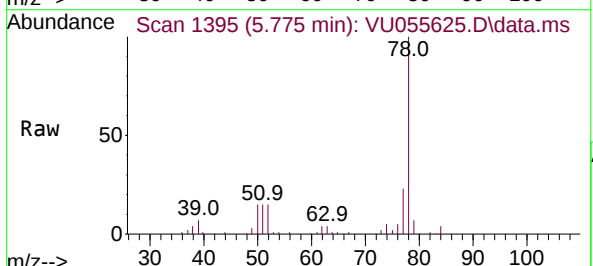
RT: 5.775 min Scan# 1395

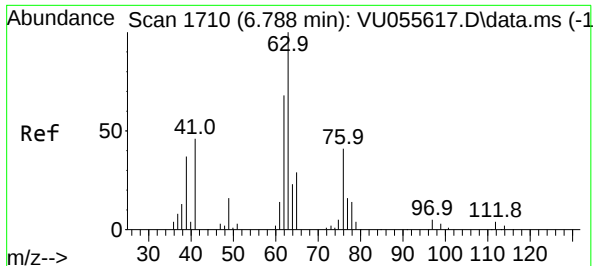
Delta R.T. 0.003 min

Lab File: VU055625.D

Acq: 03 Oct 2023 00:12

Tgt Ion: 78 Resp: 100314

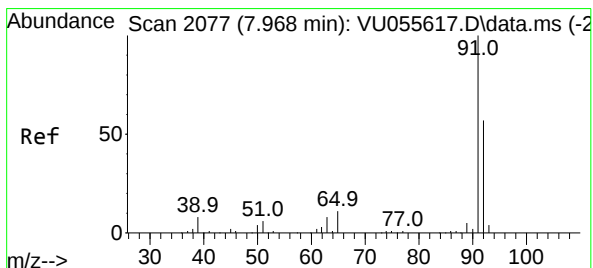
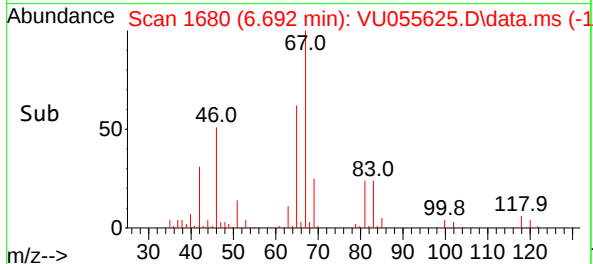
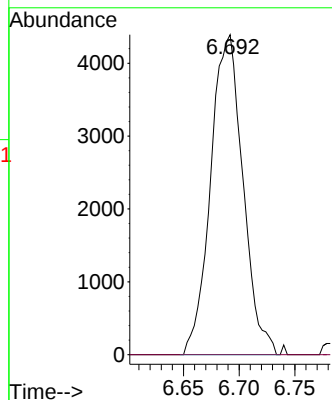
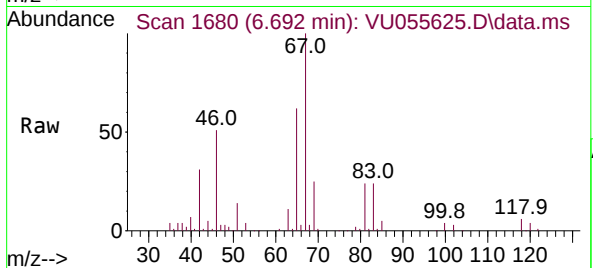




#37
1,2-Dichloropropane
Concen: 0.741 ug/L
RT: 6.692 min Scan# 1
Delta R.T. -0.096 min
Lab File: VU055625.D
Acq: 03 Oct 2023 00:12

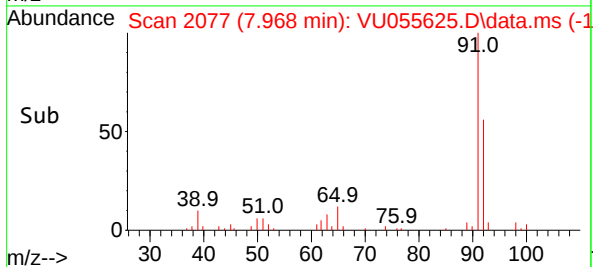
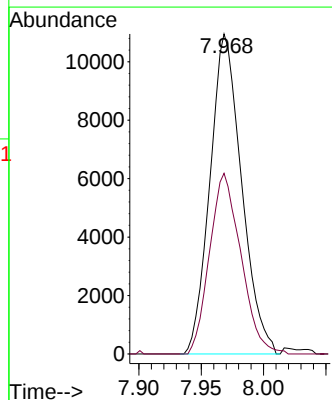
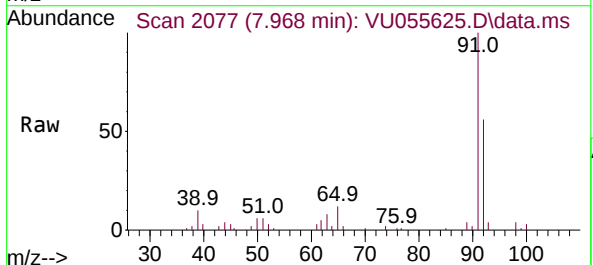
Instrument :
MSVOA_U
ClientSampleId :

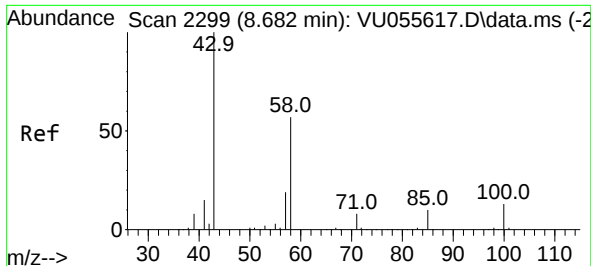
Tgt Ion: 63 Resp: 8864
Ion Ratio Lower Upper
63 100
112 0.2 3.0 4.6#



#42
Toluene
Concen: 0.397 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.000 min
Lab File: VU055625.D
Acq: 03 Oct 2023 00:12

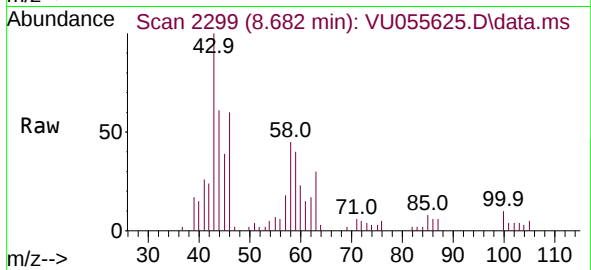
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Ion Ratio Lower Upper
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92 56.4 40.3 74.8



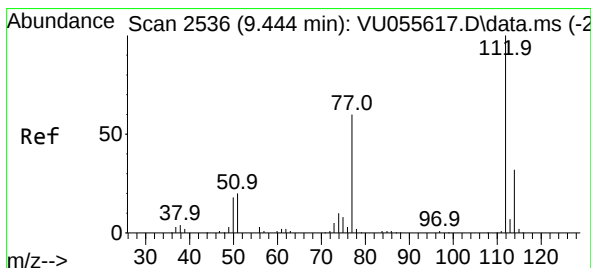
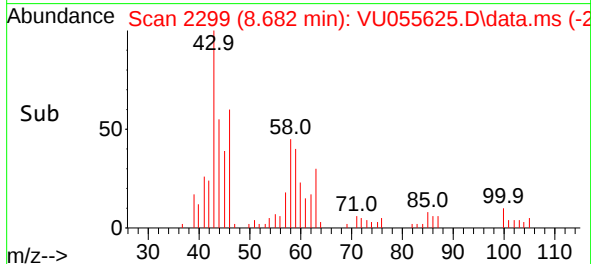
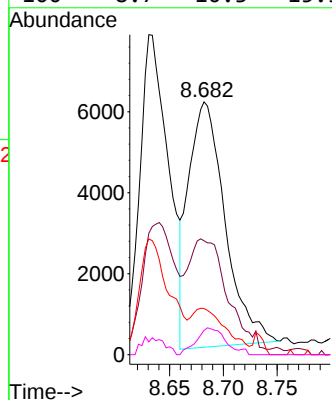


#48
2-Hexanone
Concen: 3.412 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055625.D
Acq: 03 Oct 2023 00:12

Instrument :
MSVOA_U
ClientSampleId :

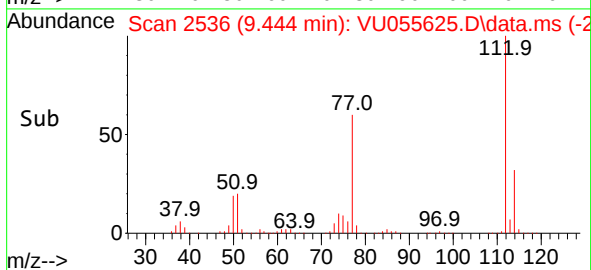
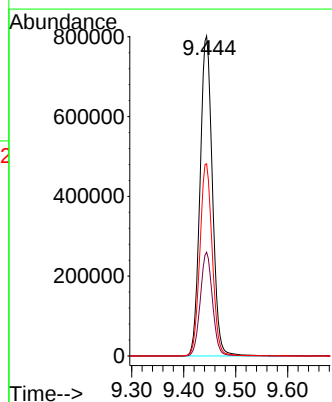
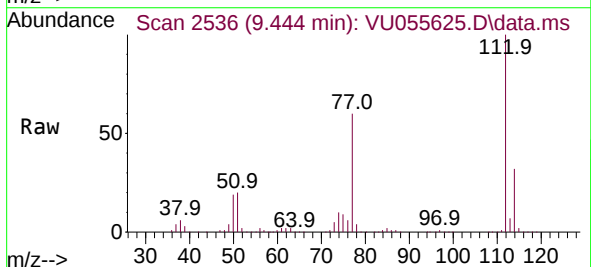


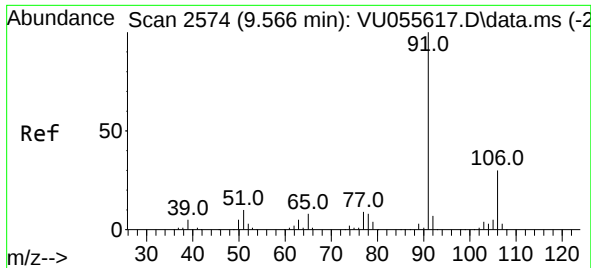
Tgt Ion:	43	Resp:	14345
Ion	Ratio	Lower	Upper
43	100		
58	47.5	48.5	72.7#
57	18.0	17.0	25.4
100	8.7	10.3	15.5#



#51
Chlorobenzene
Concen: 42.306 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU055625.D
Acq: 03 Oct 2023 00:12

Tgt Ion:	112	Resp:	1321566
Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.0	40.8
77	60.1	46.9	70.3

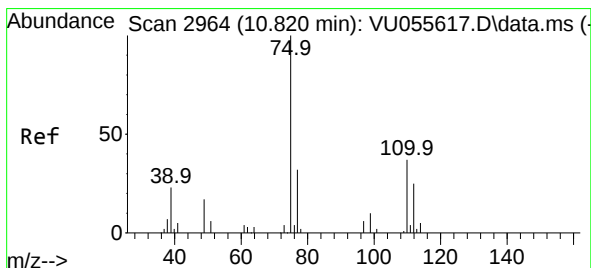
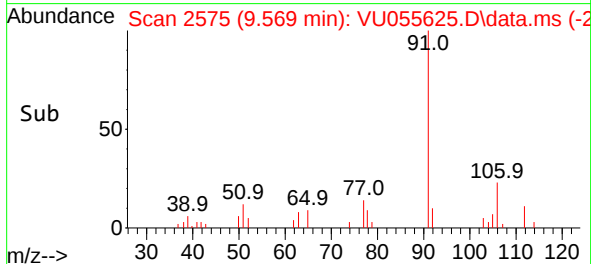
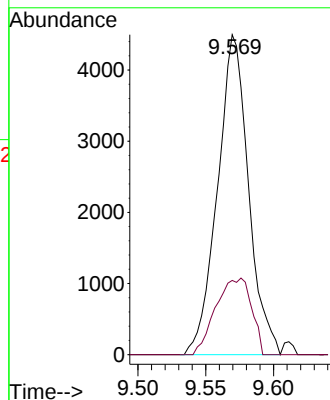
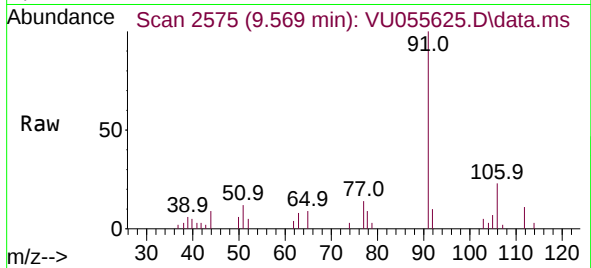




#52
Ethylbenzene
Concen: 0.137 ug/L
RT: 9.569 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055625.D
Acq: 03 Oct 2023 00:12

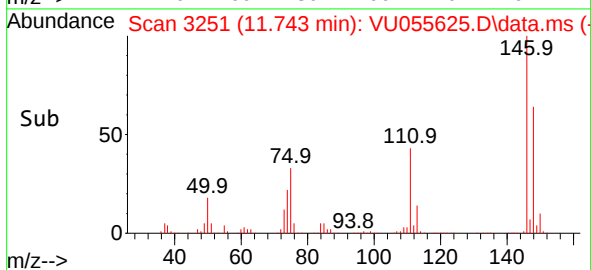
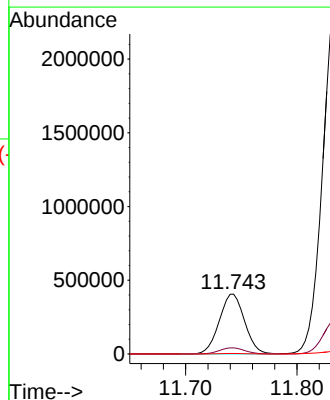
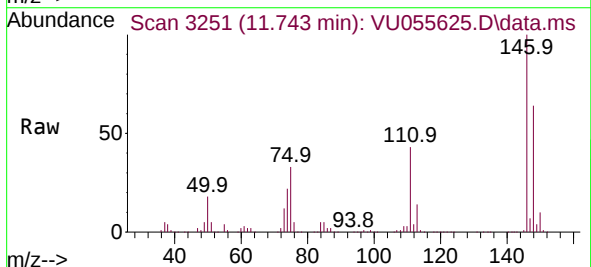
Instrument :
MSVOA_U
ClientSampleId :

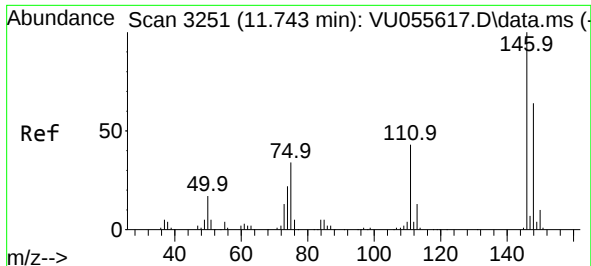
Tgt Ion: 91 Resp: 7142
Ion Ratio Lower Upper
91 100
106 23.2 22.4 41.6



#61
1,2,3-Trichloropropane
Concen: 81.579 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.923 min
Lab File: VU055625.D
Acq: 03 Oct 2023 00:12

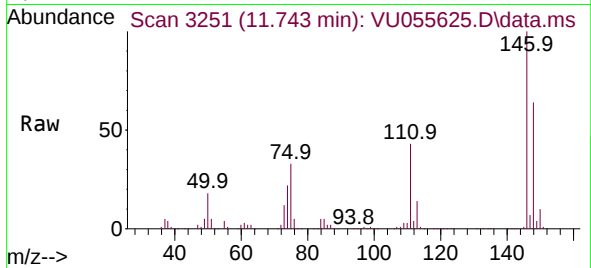
Tgt Ion: 75 Resp: 640969
Ion Ratio Lower Upper
75 100
110 10.3 30.6 45.8#
77 0.0 26.7 40.1#



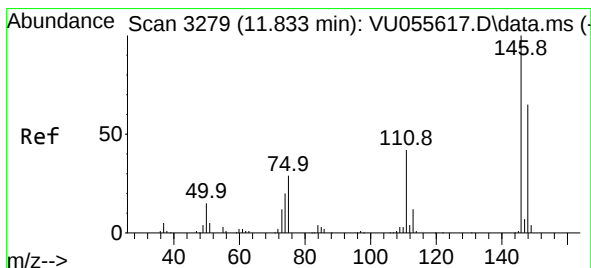
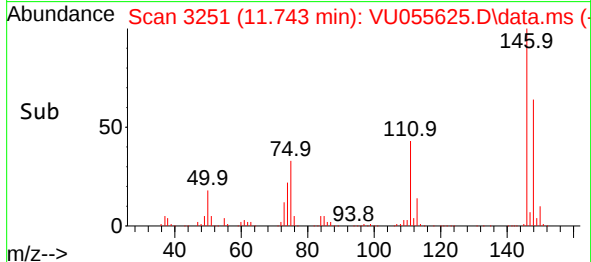
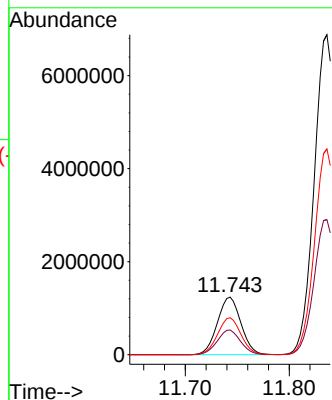


#64
1,3-Dichlorobenzene
Concen: 70.205 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055625.D
Acq: 03 Oct 2023 00:12

Instrument :
MSVOA_U
ClientSampleId :

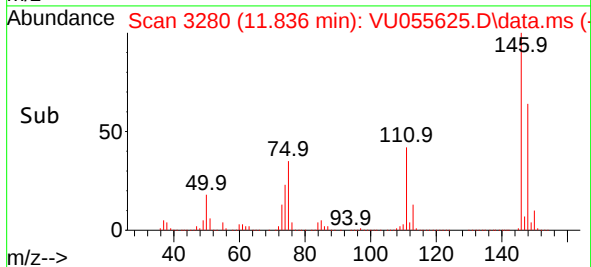
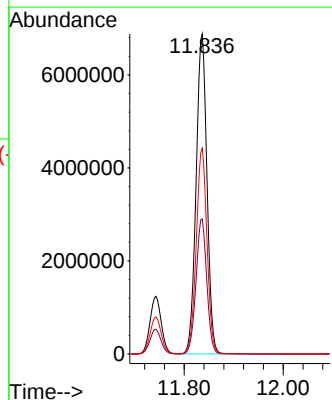
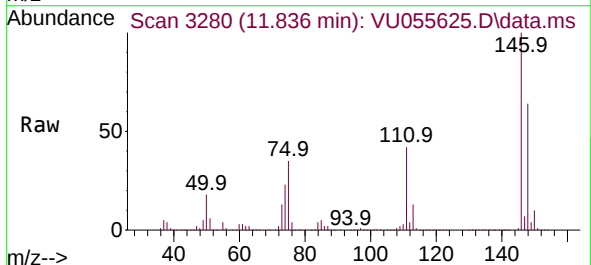


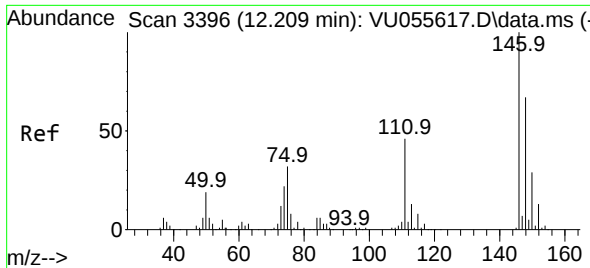
Tgt Ion:146 Resp: 1949748
Ion Ratio Lower Upper
146 100
111 42.8 28.8 53.6
148 64.2 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 379.213 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.003 min
Lab File: VU055625.D
Acq: 03 Oct 2023 00:12

Tgt Ion:146 Resp:10525941
Ion Ratio Lower Upper
146 100
111 42.2 29.0 53.8
148 64.3 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 5.396 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU055625.D

Acq: 03 Oct 2023 00:12

Instrument :

MSVOA_U

ClientSampleId :

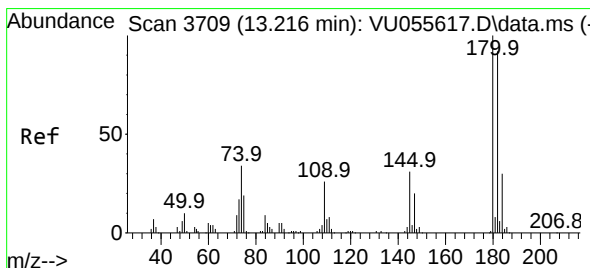
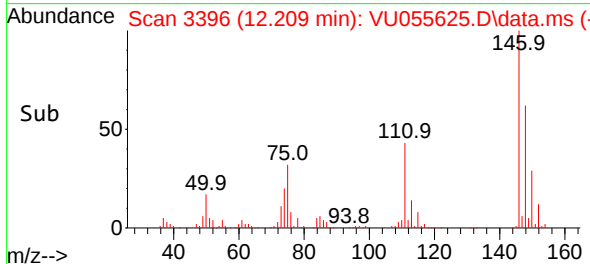
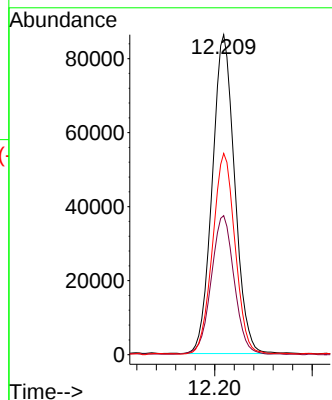
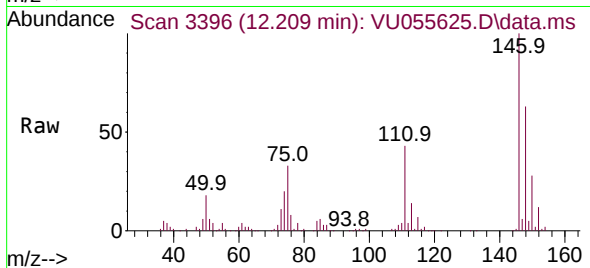
Tgt Ion:146 Resp: 137392

Ion Ratio Lower Upper

146 100

111 43.5 34.6 52.0

148 62.9 51.8 77.8



#69

1,3,5-Trichlorobenzene

Concen: 1.045 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.624 min

Lab File: VU055625.D

Acq: 03 Oct 2023 00:12

Tgt Ion:180 Resp: 19980

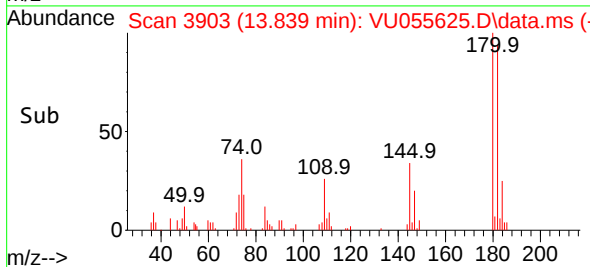
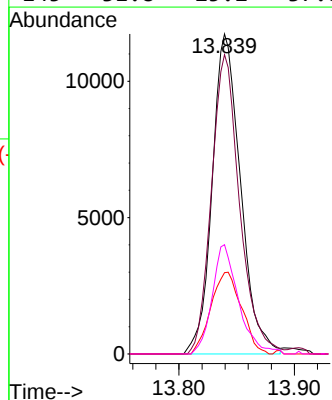
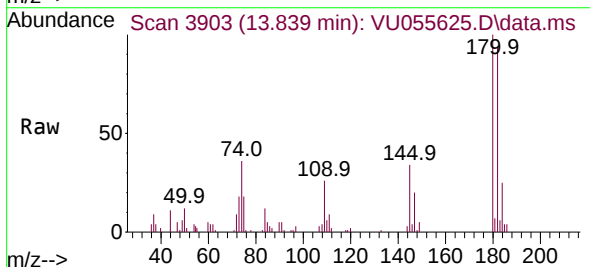
Ion Ratio Lower Upper

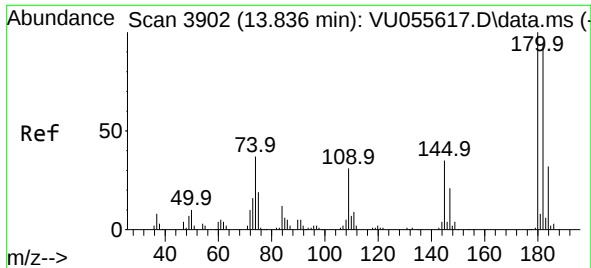
180 100

182 93.0 77.1 115.7

184 27.6 24.0 36.0

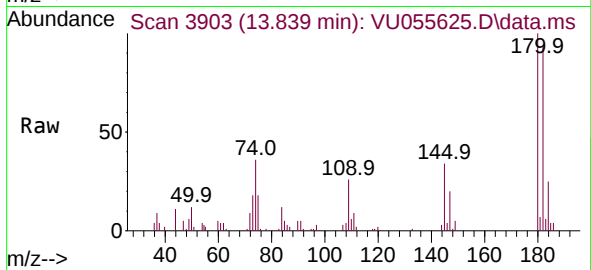
145 31.8 25.2 37.8





#70
1,2,4-trichlorobenzene
Concen: 1.370 ug/L
RT: 13.839 min Scan# 3903
Delta R.T. 0.003 min
Lab File: VU055625.D
Acq: 03 Oct 2023 00:12

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:180 Resp: 19980
Ion Ratio Lower Upper
180 100
182 93.0 76.4 114.6
145 31.8 25.4 38.0

