

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100223\
 Data File : VU055613.D
 Acq On : 02 Oct 2023 18:40
 Operator : MD/SY
 Sample : 04679-18 1000X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 03 04:59:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 27 23:33:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	158243	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	164646	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	87041	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	65033	4.066	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.400%
7) Chloroethane-d5	1.911	69	68858	4.885	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.800%
11) 1,1-Dichloroethene-d2	2.566	65	24668	3.747	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.000%
20) 2-Butanone-d5	4.634	46	161781	56.003	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.000%
24) Chloroform-d	5.058	84	136713	4.726	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	5.701	65	70977	5.101	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.000%
32) Benzene-d6	5.724	84	254196	4.414	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	6.688	67	83903	4.876	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.600%
41) Toluene-d8	7.897	98	210352	4.007	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.200%
43) trans-1,3-Dichloroprop...	8.177	79	29014	4.805	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.000%
46) 2-Hexanone-d5	8.634	63	96099	52.321	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.640%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	67050	5.199	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	80407	4.577	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	2961	0.203	ug/L #	58
16) Methylene chloride	3.046	84	8111	0.612	ug/L	95
22) cis-1,2-Dichloroethene	4.666	96	107531	8.317	ug/L	100
34) Trichloroethene	6.541	95	21219	1.583	ug/L	96
37) 1,2-Dichloropropane	6.685	63	10012	0.808	ug/L #	88
42) Toluene	7.968	91	459678	9.094	ug/L	98
47) Tetrachloroethene	8.550	164	56774	5.904	ug/L	92
48) 2-Hexanone	8.682	43	16144	3.705	ug/L #	89
49) Dibromochloromethane	8.550	129	56855	6.242	ug/L #	9
51) Chlorobenzene	9.444	112	19454	0.601	ug/L	92
52) Ethylbenzene	9.569	91	18369	0.339	ug/L	96
53) m,p-Xylene	9.692	106	26395	1.300	ug/L	97
54) o-Xylene	10.097	106	8602	0.436	ug/L	94
61) 1,2,3-Trichloropropane	11.746	75	5400	0.795	ug/L #	69
63) 1,2,4-Trimethylbenzene	11.470	105	10526	0.268	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	16714	0.696	ug/L	93
65) 1,4-Dichlorobenzene	11.833	146	92261	3.843	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	27616	1.254	ug/L	90
69) 1,3,5-Trichlorobenzene	13.836	180	268000	16.204	ug/L	99

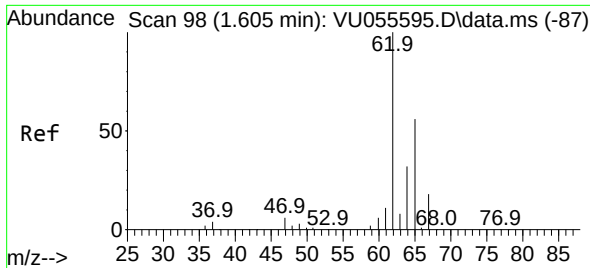
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100223\
Data File : VU055613.D
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 27 23:33:30 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.836	180	268000	21.254	ug/L	100
72) 1,2,3-Trichlorobenzene	14.328	180	48765	4.444	ug/L	98

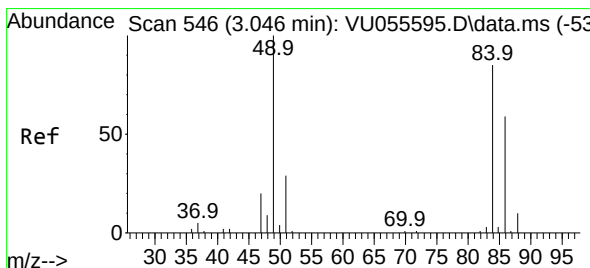
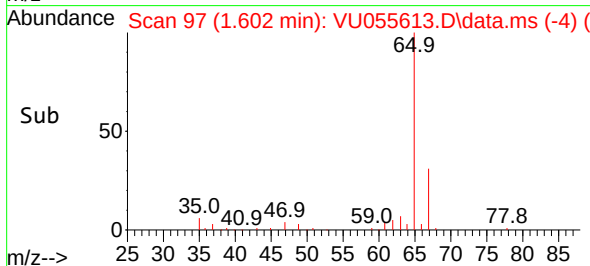
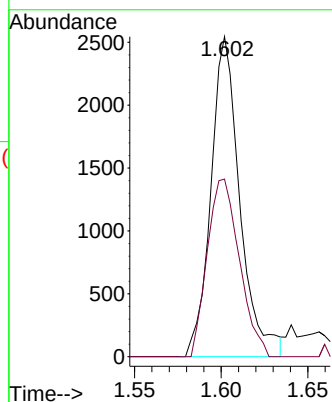
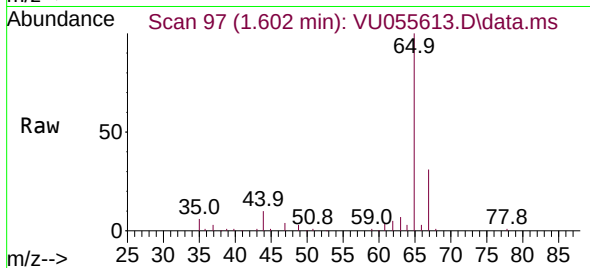
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 0.203 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055613.D
 Acq: 02 Oct 2023 18:40

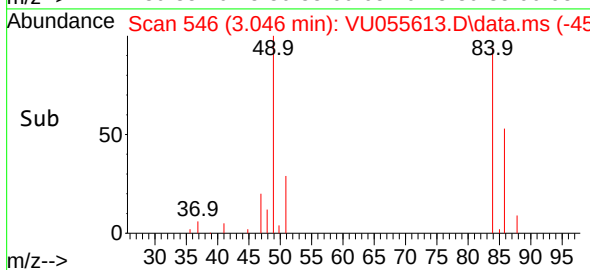
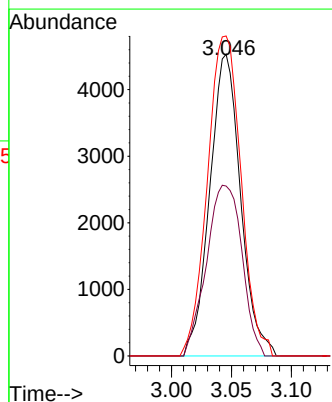
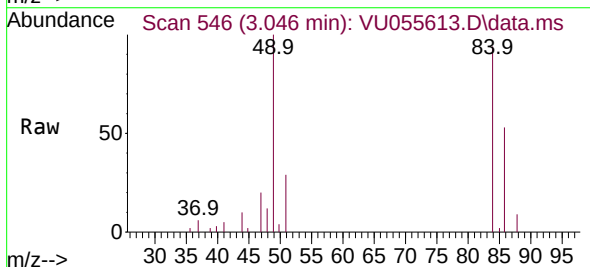
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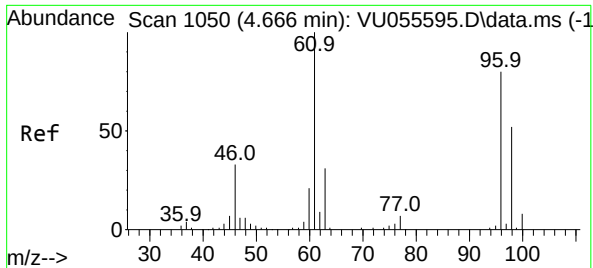
Tgt Ion: 62 Resp: 2961
 Ion Ratio Lower Upper
 62 100
 64 55.5 22.3 41.5#



#16
 Methylene chloride
 Concen: 0.612 ug/L
 RT: 3.046 min Scan# 546
 Delta R.T. 0.003 min
 Lab File: VU055613.D
 Acq: 02 Oct 2023 18:40

Tgt Ion: 84 Resp: 8111
 Ion Ratio Lower Upper
 84 100
 86 56.3 44.9 83.3
 49 109.8 78.8 146.3

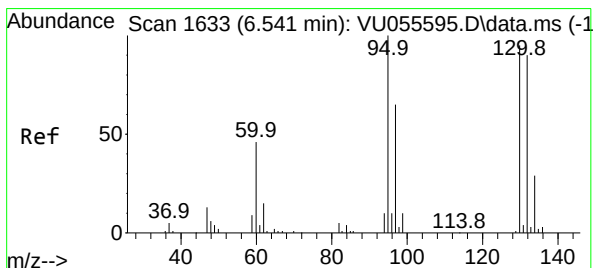
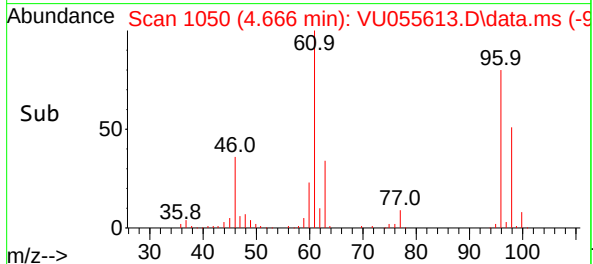
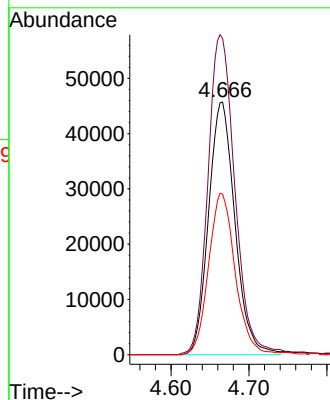
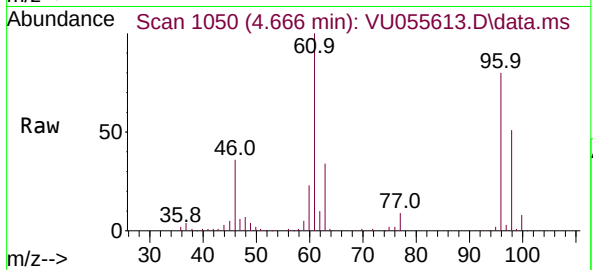




#22
 cis-1,2-Dichloroethene
 Concen: 8.317 ug/L
 RT: 4.666 min Scan# 1050
 Delta R.T. 0.003 min
 Lab File: VU055613.D
 Acq: 02 Oct 2023 18:40

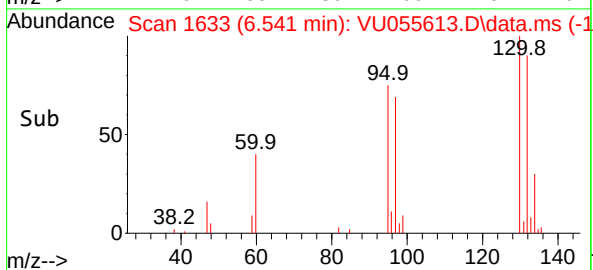
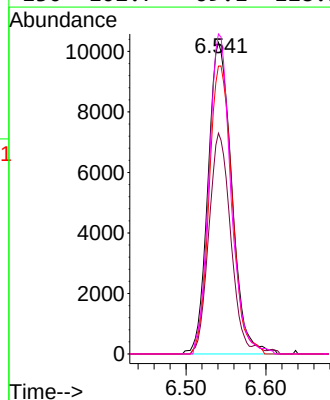
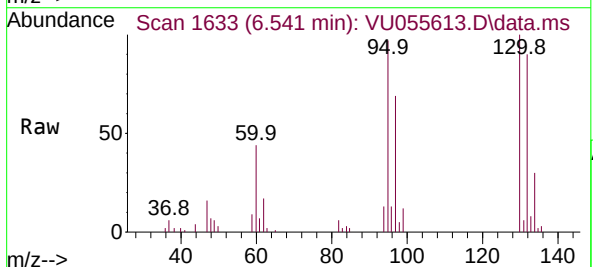
Instrument :
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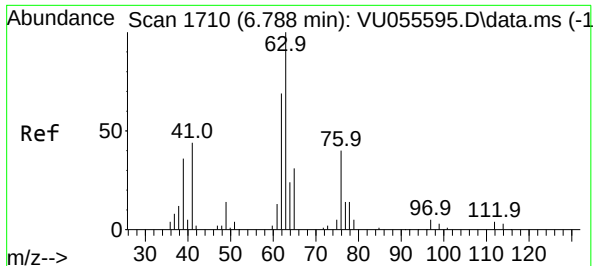
Tgt Ion: 96 Resp: 107531
 Ion Ratio Lower Upper
 96 100
 61 125.2 87.8 163.2
 98 63.5 44.4 82.4



#34
 Trichloroethene
 Concen: 1.583 ug/L
 RT: 6.541 min Scan# 1633
 Delta R.T. -0.000 min
 Lab File: VU055613.D
 Acq: 02 Oct 2023 18:40

Tgt Ion: 95 Resp: 21219
 Ion Ratio Lower Upper
 95 100
 97 70.9 45.4 84.2
 132 92.4 65.2 121.2
 130 102.7 69.1 128.3

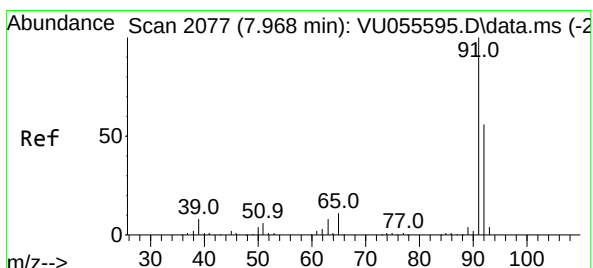
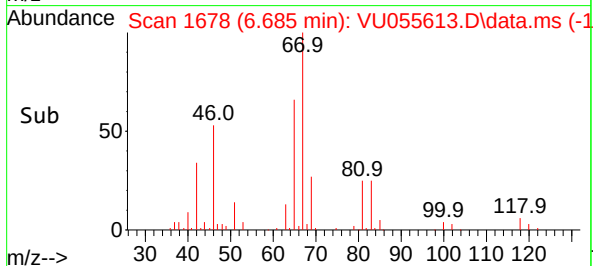
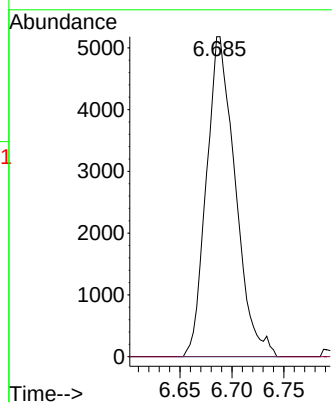
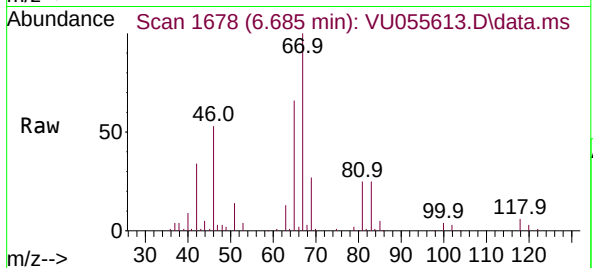




#37
1,2-Dichloropropane
Concen: 0.808 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU055613.D
Acq: 02 Oct 2023 18:40

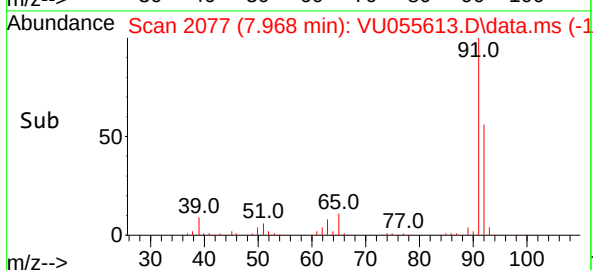
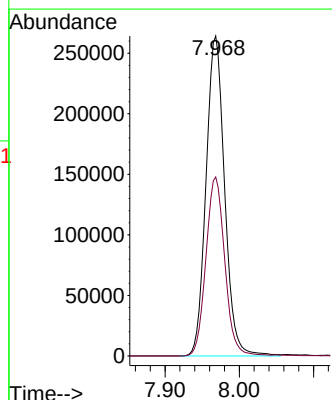
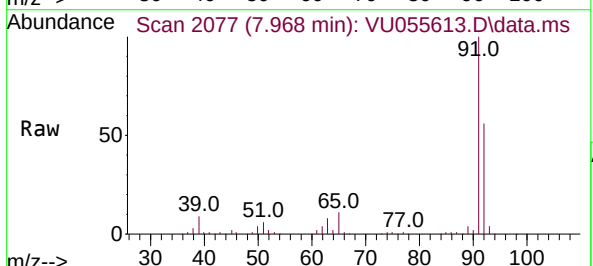
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MSVOA_U
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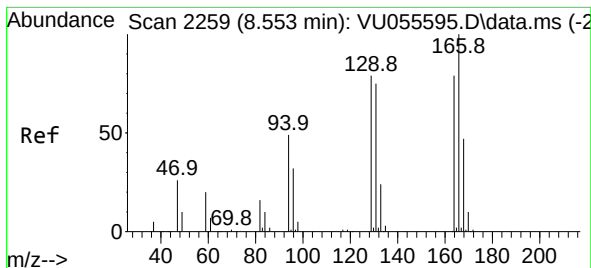
Tgt Ion: 63 Resp: 10012
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



#42
Toluene
Concen: 9.094 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.003 min
Lab File: VU055613.D
Acq: 02 Oct 2023 18:40

Tgt Ion: 91 Resp: 459678
Ion Ratio Lower Upper
91 100
92 55.9 40.3 74.8





#47

Tetrachloroethene

Concen: 5.904 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.000 min

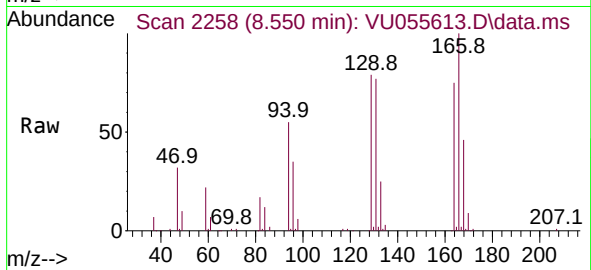
Lab File: VU055613.D

Acq: 02 Oct 2023 18:40

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 56774

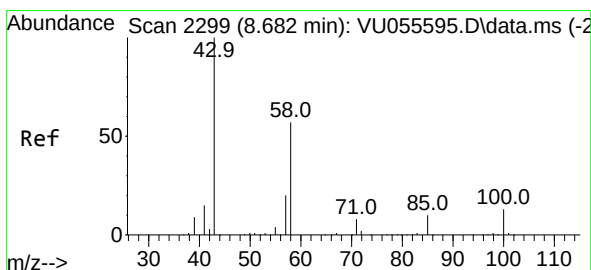
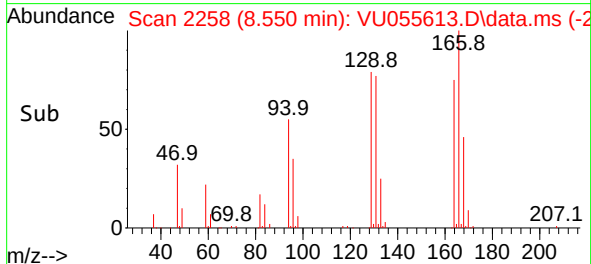
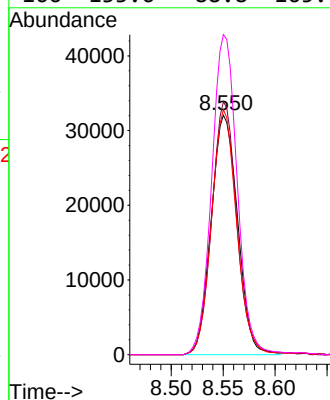
Ion Ratio Lower Upper

164 100

129 105.6 67.4 125.2

131 102.3 66.4 123.2

166 133.6 88.8 165.0



#48

2-Hexanone

Concen: 3.705 ug/L

RT: 8.682 min Scan# 2299

Delta R.T. -0.000 min

Lab File: VU055613.D

Acq: 02 Oct 2023 18:40

Tgt Ion: 43 Resp: 16144

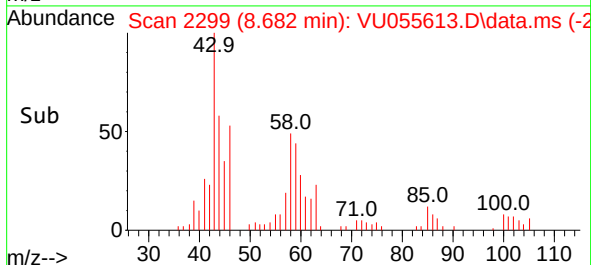
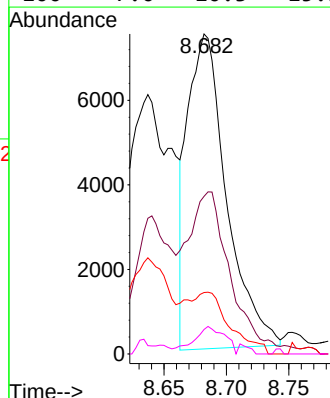
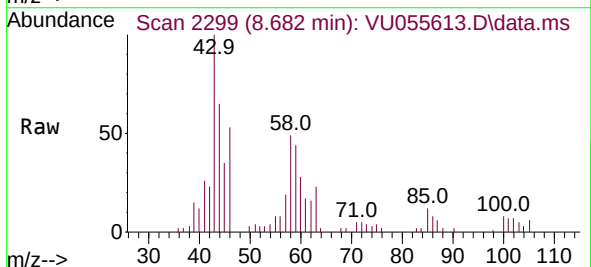
Ion Ratio Lower Upper

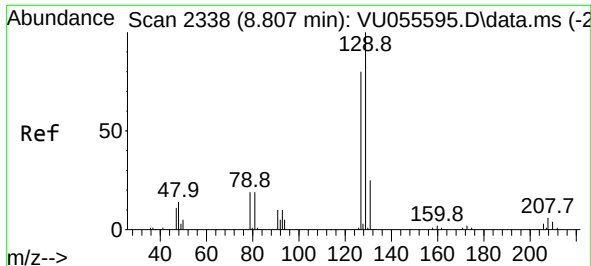
43 100

58 52.7 48.5 72.7

57 17.0 17.0 25.4

100 7.0 10.3 15.5#

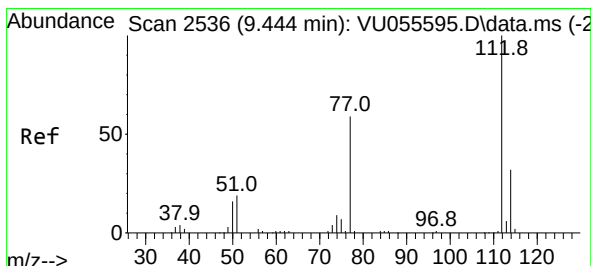
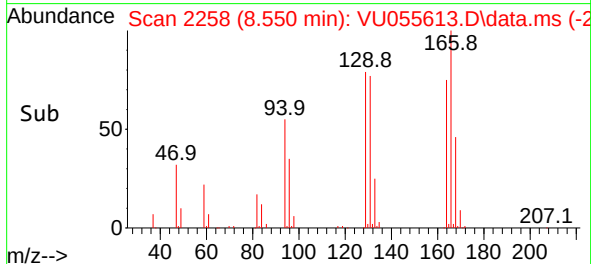
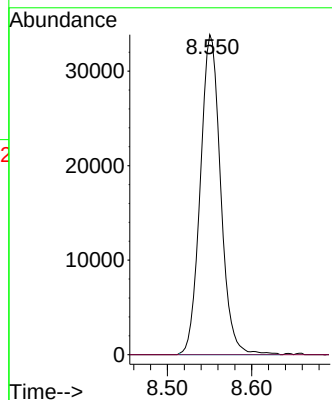
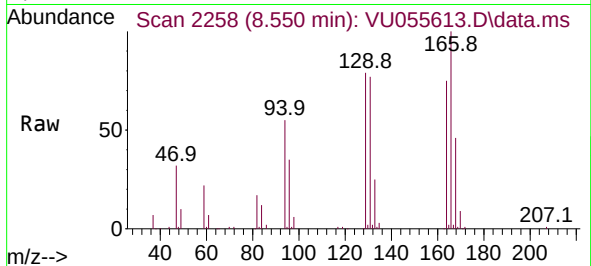




#49
Dibromochloromethane
Concen: 6.242 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.258 min
Lab File: VU055613.D
Acq: 02 Oct 2023 18:40

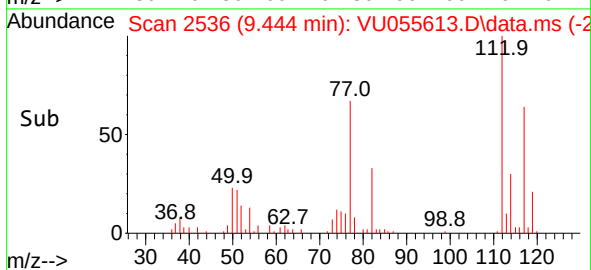
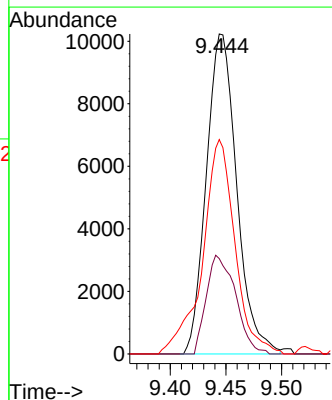
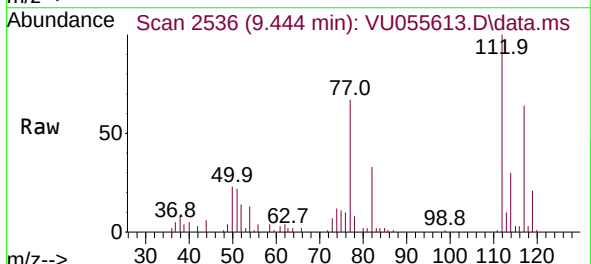
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ClientSampleId :

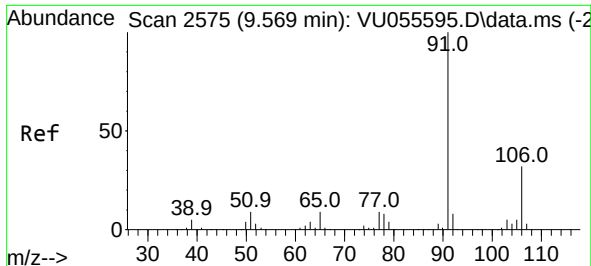
Tgt Ion:129 Resp: 56855
Ion Ratio Lower Upper
129 100
127 0.0 56.8 105.6#



#51
Chlorobenzene
Concen: 0.601 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU055613.D
Acq: 02 Oct 2023 18:40

Tgt Ion:112 Resp: 19454
Ion Ratio Lower Upper
112 100
114 29.8 22.0 40.8
77 67.0 46.9 70.3

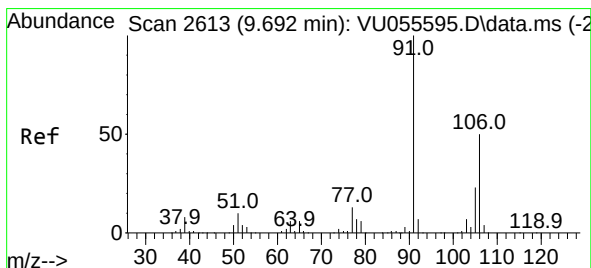
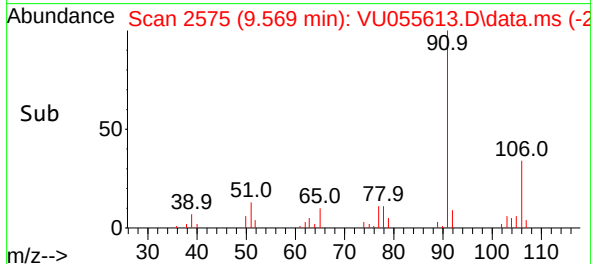
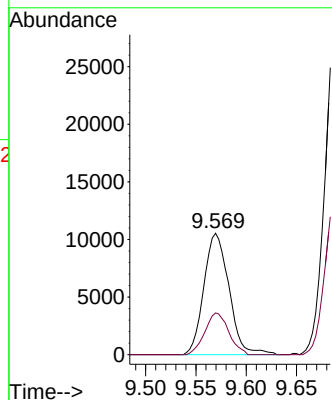
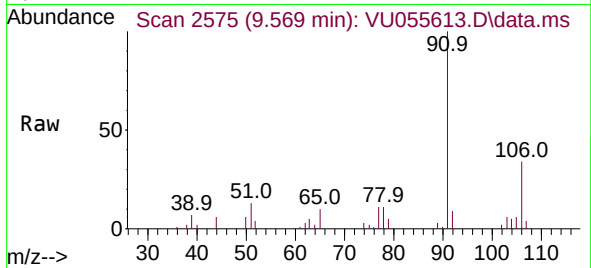




#52
Ethylbenzene
Concen: 0.339 ug/L
RT: 9.569 min Scan# 2575
Delta R.T. 0.003 min
Lab File: VU055613.D
Acq: 02 Oct 2023 18:40

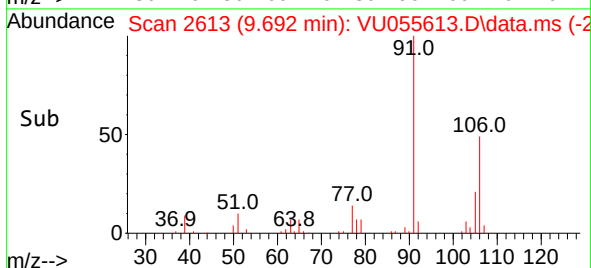
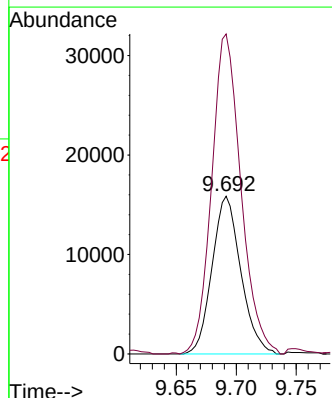
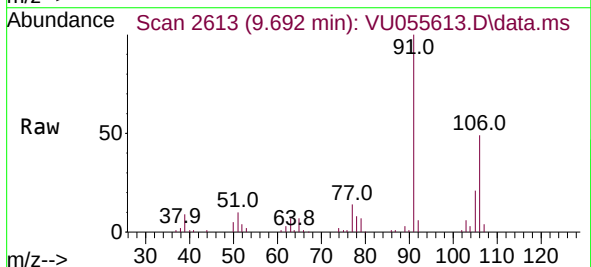
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MSVOA_U
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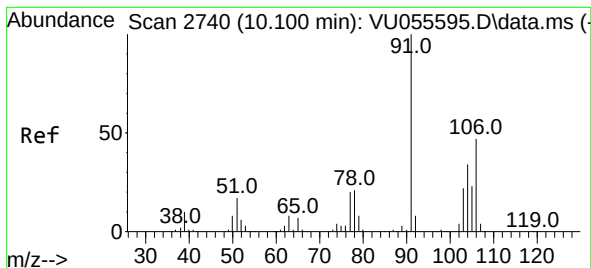
Tgt Ion: 91 Resp: 18369
Ion Ratio Lower Upper
91 100
106 34.4 22.4 41.6



#53
m,p-Xylene
Concen: 1.300 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055613.D
Acq: 02 Oct 2023 18:40

Tgt Ion: 106 Resp: 26395
Ion Ratio Lower Upper
106 100
91 202.9 144.8 269.0





#54

o-Xylene

Concen: 0.436 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055613.D

Acq: 02 Oct 2023 18:40

Instrument :

MSVOA_U

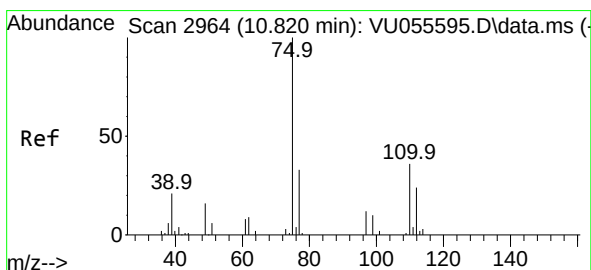
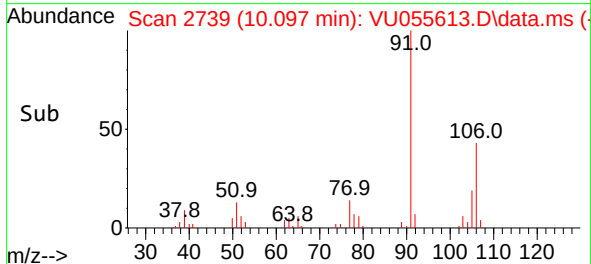
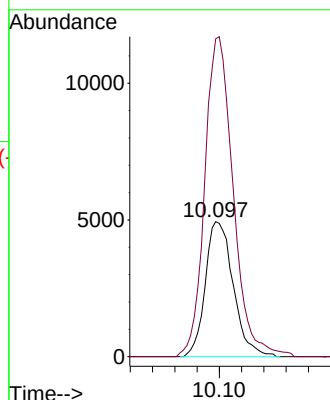
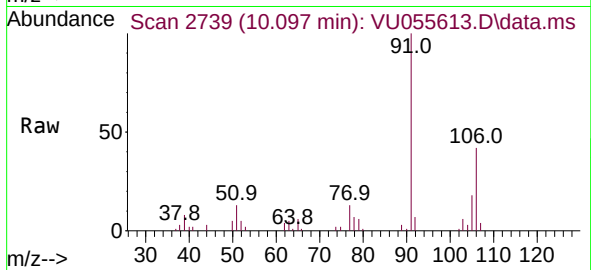
ClientSampleId :

Tgt Ion:106 Resp: 8602

Ion Ratio Lower Upper

106 100

91 235.5 157.6 292.8



#61

1,2,3-Trichloropropane

Concen: 0.795 ug/L

RT: 11.746 min Scan# 3252

Delta R.T. 0.926 min

Lab File: VU055613.D

Acq: 02 Oct 2023 18:40

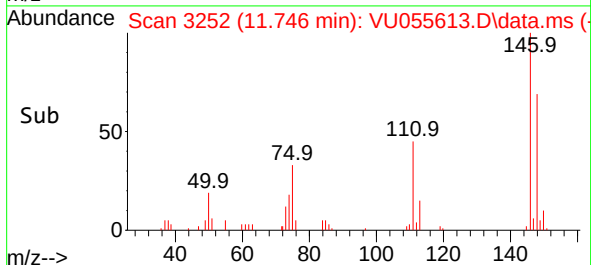
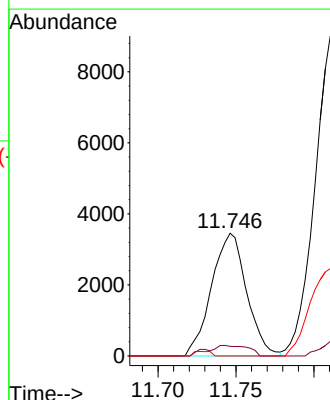
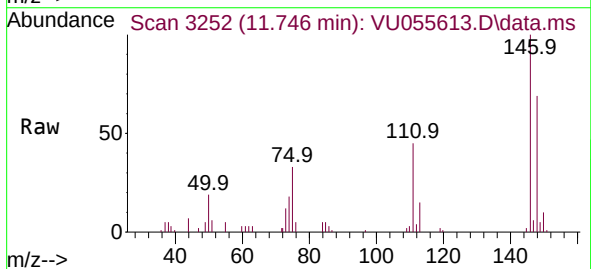
Tgt Ion: 75 Resp: 5400

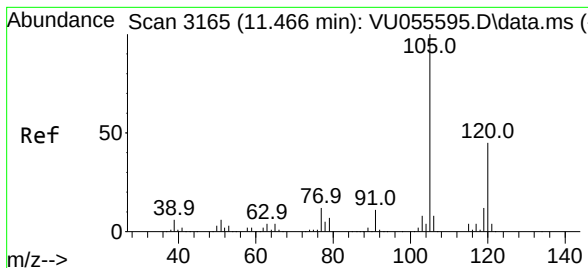
Ion Ratio Lower Upper

75 100

110 10.1 30.6 45.8#

77 26.4 26.7 40.1#





#63

1,2,4-Trimethylbenzene

Concen: 0.268 ug/L

RT: 11.470 min Scan# 3166

Delta R.T. 0.006 min

Lab File: VU055613.D

Acq: 02 Oct 2023 18:40

Instrument :

MSVOA_U

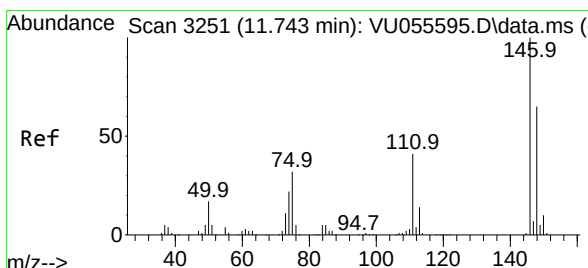
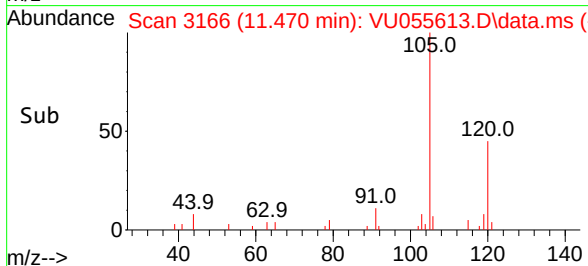
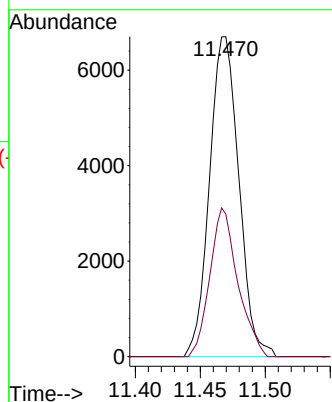
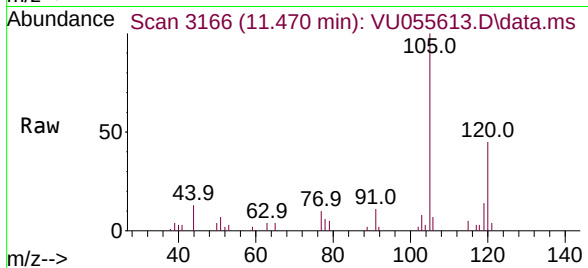
ClientSampleId :

Tgt Ion:105 Resp: 10526

Ion Ratio Lower Upper

105 100

120 44.2 34.9 52.3



#64

1,3-Dichlorobenzene

Concen: 0.696 ug/L

RT: 11.746 min Scan# 3252

Delta R.T. 0.003 min

Lab File: VU055613.D

Acq: 02 Oct 2023 18:40

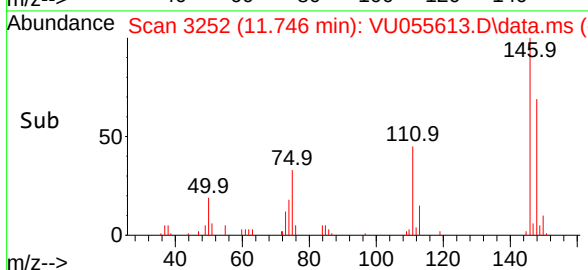
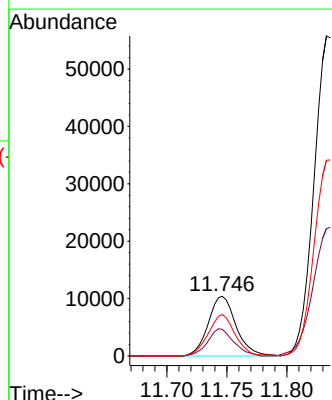
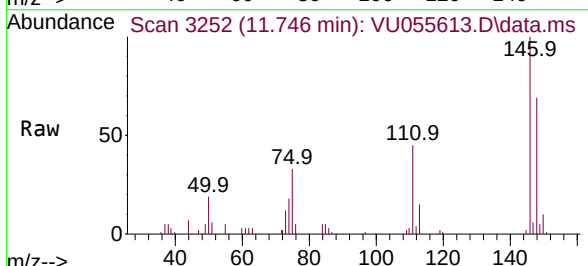
Tgt Ion:146 Resp: 16714

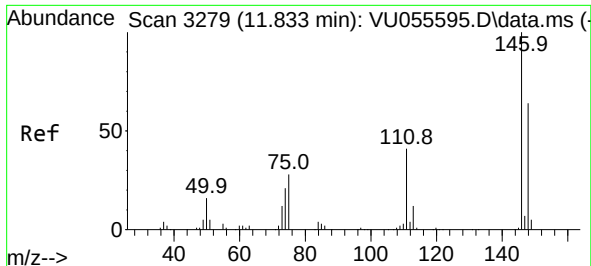
Ion Ratio Lower Upper

146 100

111 44.6 28.8 53.6

148 69.4 44.6 82.8

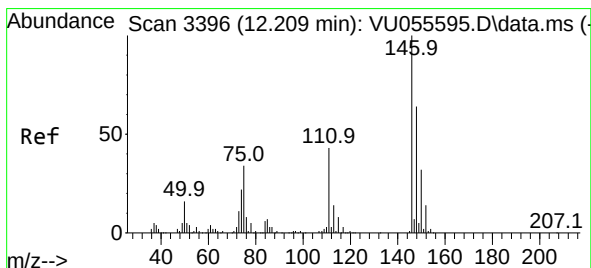
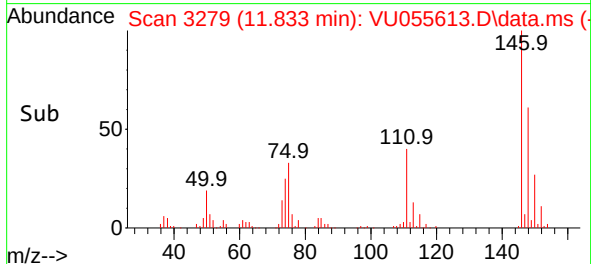
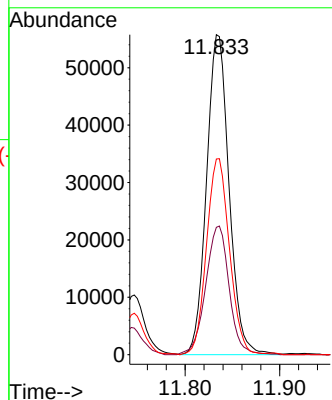
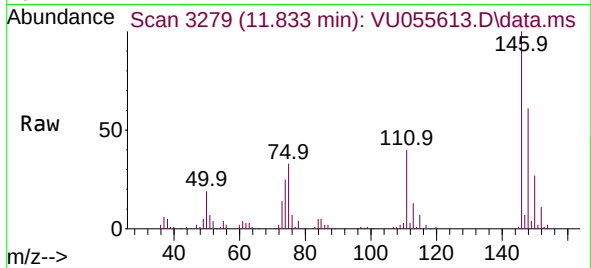




#65
1,4-Dichlorobenzene
Concen: 3.843 ug/L
RT: 11.833 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055613.D
Acq: 02 Oct 2023 18:40

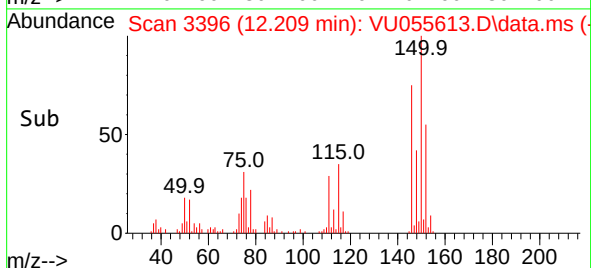
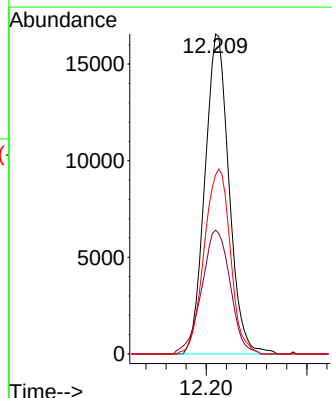
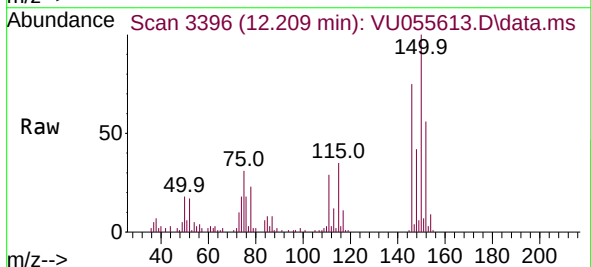
Instrument :
MSVOA_U
ClientSampleId :

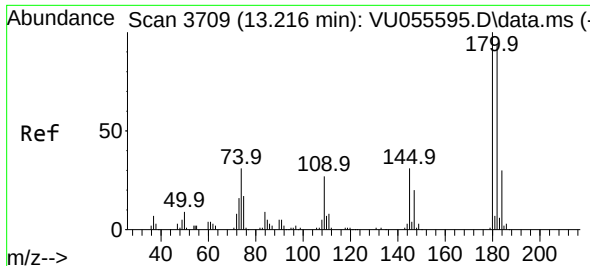
Tgt Ion:146 Resp: 92261
Ion Ratio Lower Upper
146 100
111 39.8 29.0 53.8
148 61.2 45.4 84.4



#67
1,2-Dichlorobenzene
Concen: 1.254 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. -0.000 min
Lab File: VU055613.D
Acq: 02 Oct 2023 18:40

Tgt Ion:146 Resp: 27616
Ion Ratio Lower Upper
146 100
111 38.7 34.6 52.0
148 55.9 51.8 77.8

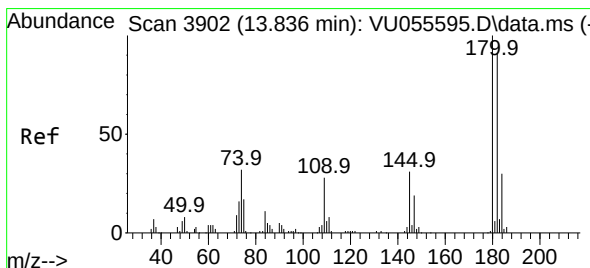
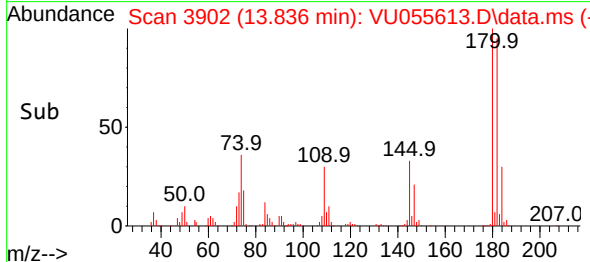
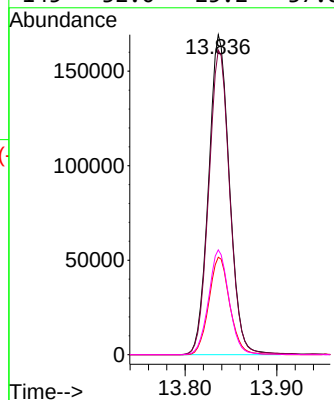
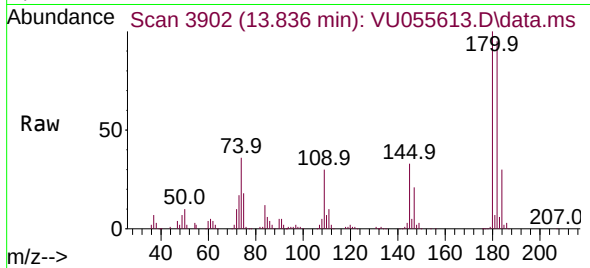




#69
 1,3,5-Trichlorobenzene
 Concen: 16.204 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.620 min
 Lab File: VU055613.D
 Acq: 02 Oct 2023 18:40

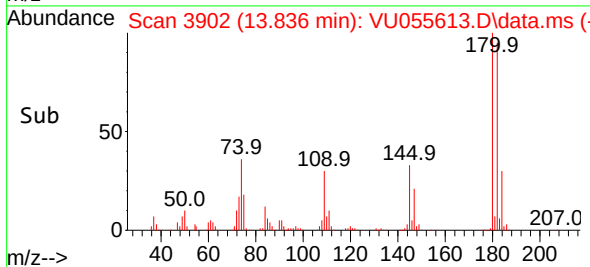
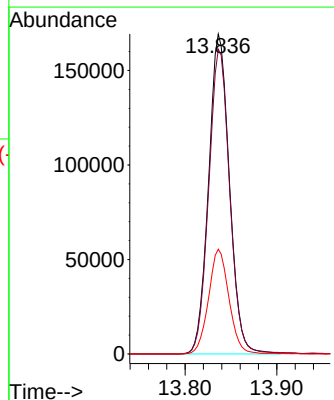
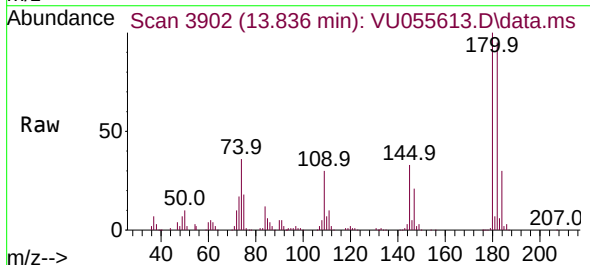
Instrument :
 MSVOA_U
 ClientSampleId :

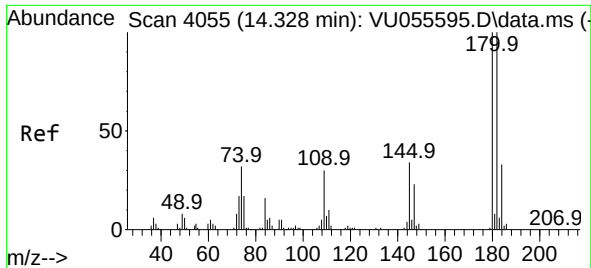
Tgt Ion:180 Resp: 268000
 Ion Ratio Lower Upper
 180 100
 182 95.9 77.1 115.7
 184 30.5 24.0 36.0
 145 32.0 25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 21.254 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU055613.D
 Acq: 02 Oct 2023 18:40

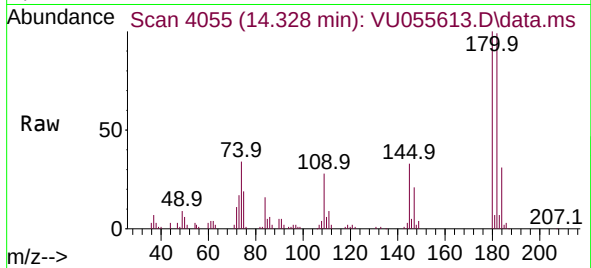
Tgt Ion:180 Resp: 268000
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.4 114.6
 145 32.0 25.4 38.0





#72
 1,2,3-Trichlorobenzene
 Concen: 4.444 ug/L
 RT: 14.328 min Scan# 4055
 Delta R.T. 0.003 min
 Lab File: VU055613.D
 Acq: 02 Oct 2023 18:40

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 48765
 Ion Ratio Lower Upper
 180 100
 182 97.4 76.2 114.4
 145 33.1 26.0 39.0

