

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
 Data File : VU056865.D
 Acq On : 15 Dec 2023 03:27
 Operator : MD/SY
 Sample : 05731-05DL 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 05:12:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 01:53:53 2023
 Response via : Initial Calibration

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

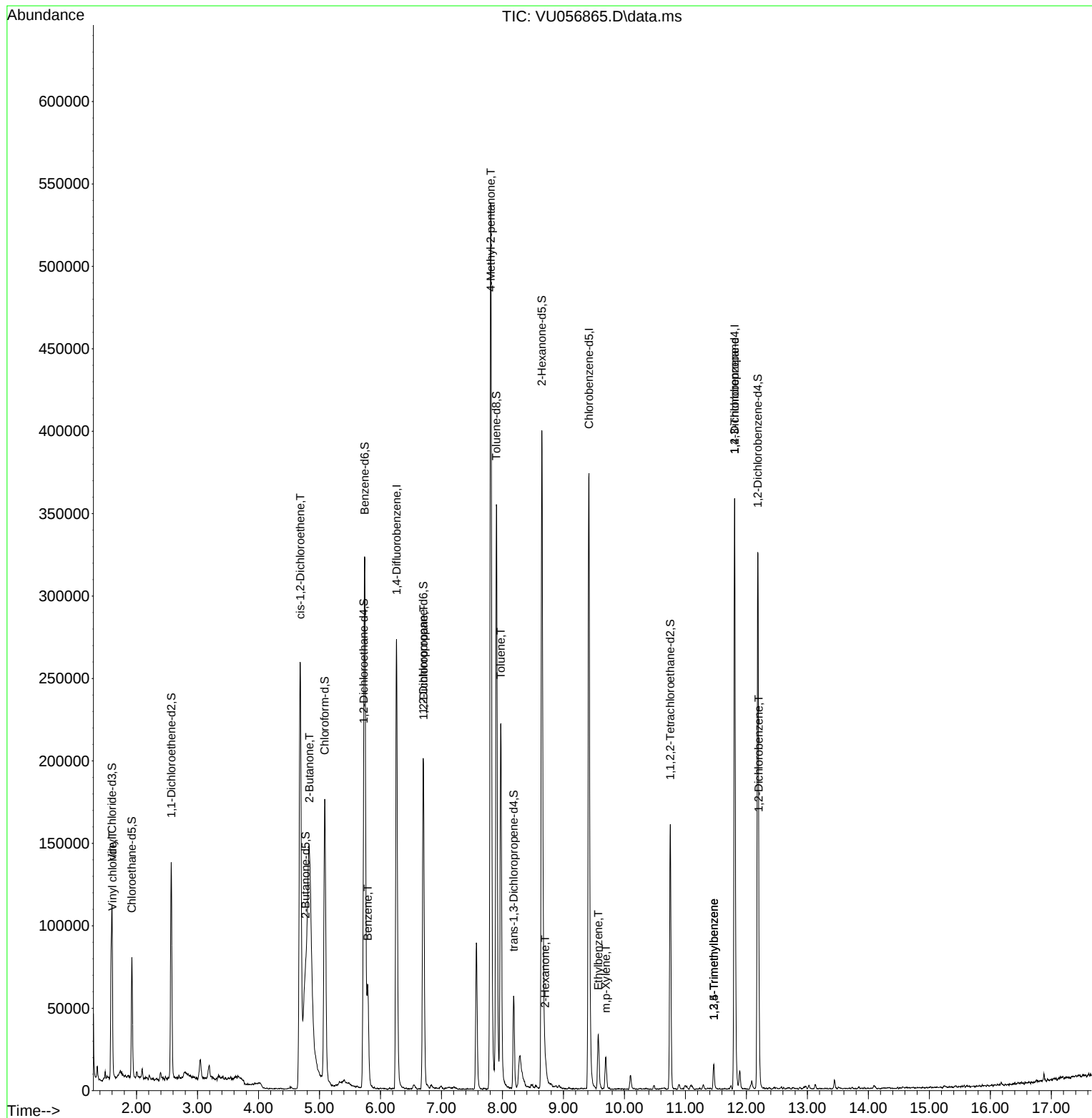
Internal Standards						
1) 1,4-Difluorobenzene	6.264	114	217588	5.000	ug/L	0.02
28) Chlorobenzene-d5	9.418	117	215995	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	91976	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	54752	2.936	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	58.800%	
7) Chloroethane-d5	1.923	69	55667	3.988	ug/L	0.02
Spiked Amount	5.000	Range 65 - 130	Recovery	=	79.800%	
11) 1,1-Dichloroethene-d2	2.570	65	23810	2.984	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	59.600%#	
20) 2-Butanone-d5	4.772	46	181430	49.258	ug/L	0.15
Spiked Amount	50.000	Range 40 - 130	Recovery	=	98.520%	
24) Chloroform-d	5.087	84	162591	4.604	ug/L	0.03
Spiked Amount	5.000	Range 70 - 125	Recovery	=	92.000%	
26) 1,2-Dichloroethane-d4	5.724	65	78375	4.689	ug/L	0.03
Spiked Amount	5.000	Range 70 - 130	Recovery	=	93.800%	
32) Benzene-d6	5.743	84	285679	4.264	ug/L	0.02
Spiked Amount	5.000	Range 70 - 125	Recovery	=	85.200%	
36) 1,2-Dichloropropane-d6	6.701	67	97591	4.654	ug/L	0.02
Spiked Amount	5.000	Range 60 - 140	Recovery	=	93.000%	
41) Toluene-d8	7.901	98	238163	3.977	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	79.600%	
43) trans-1,3-Dichloroprop...	8.184	79	33687	4.143	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	82.800%	
46) 2-Hexanone-d5	8.647	63	139765	45.570	ug/L	0.02
Spiked Amount	50.000	Range 45 - 130	Recovery	=	91.140%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	78136	5.150	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	103.000%	
66) 1,2-Dichlorobenzene-d4	12.187	152	83614	4.625	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	92.400%	
Target Compounds						Qvalue
5) Vinyl chloride	1.605	62	12952	0.582	ug/L	83
21) 2-Butanone	4.833	43	394305	104.166	ug/L	99
22) cis-1,2-Dichloroethene	4.685	96	142975	7.338	ug/L	96
33) Benzene	5.791	78	56793	0.748	ug/L	100
37) 1,2-Dichloropropane	6.705	63	10778	0.555	ug/L #	89
40) 4-Methyl-2-pentanone	7.807	43	365365	39.625	ug/L	98
42) Toluene	7.975	91	166937	2.125	ug/L	100
48) 2-Hexanone	8.701	43	6296	0.959	ug/L #	46
52) Ethylbenzene	9.573	91	25630	0.296	ug/L	94
53) m,p-Xylene	9.695	106	5435	0.168	ug/L	93
61) 1,2,3-Trichloropropane	11.807	75	12783	1.294	ug/L #	69
62) 1,3,5-Trimethylbenzene	11.466	105	8460	0.142	ug/L	96
63) 1,2,4-Trimethylbenzene	11.466	105	8460	0.143	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	6361	0.203	ug/L #	88

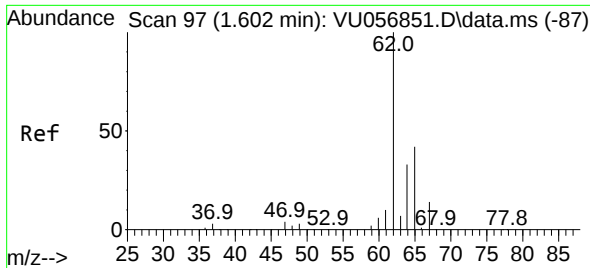
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
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Response via : Initial Calibration

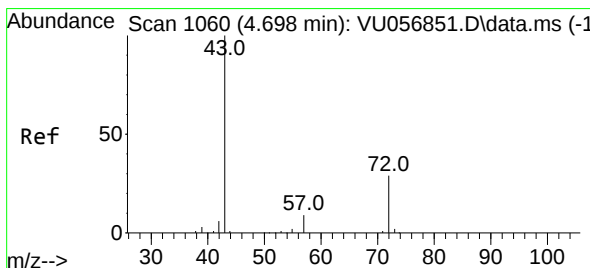
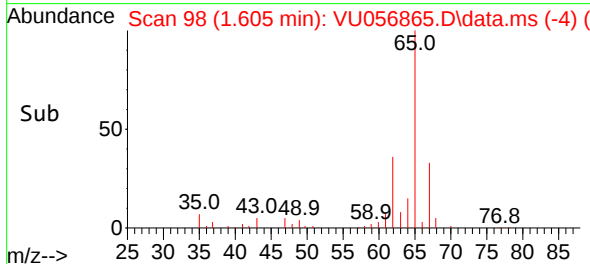
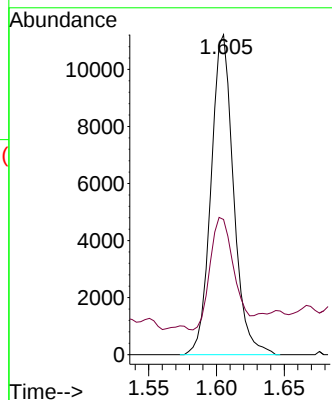
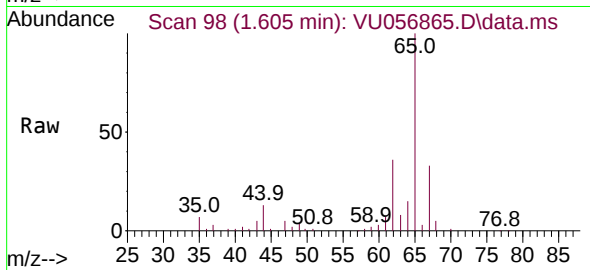




#5
 Vinyl chloride
 Concen: 0.582 ug/L
 RT: 1.605 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU056865.D
 Acq: 15 Dec 2023 03:27

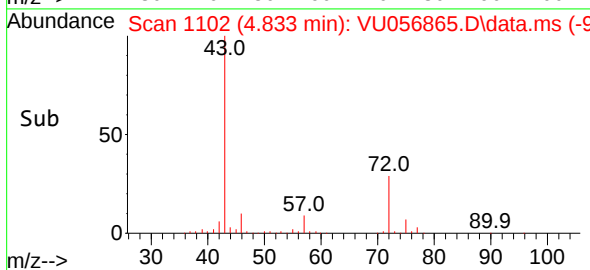
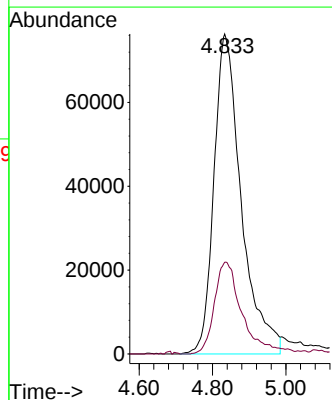
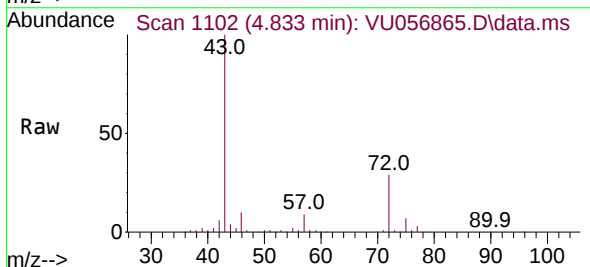
Instrument :
 MSVOA_U
 ClientSampleId :

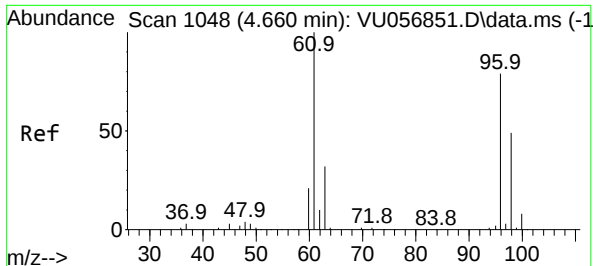
Tgt Ion: 62 Resp: 12952
 Ion Ratio Lower Upper
 62 100
 64 42.2 22.8 42.4



#21
 2-Butanone
 Concen: 104.166 ug/L
 RT: 4.833 min Scan# 1102
 Delta R.T. 0.135 min
 Lab File: VU056865.D
 Acq: 15 Dec 2023 03:27

Tgt Ion: 43 Resp: 394305
 Ion Ratio Lower Upper
 43 100
 72 28.5 14.6 43.8

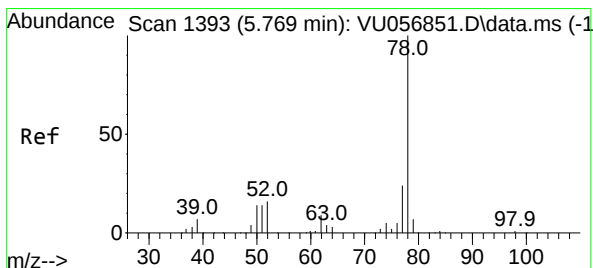
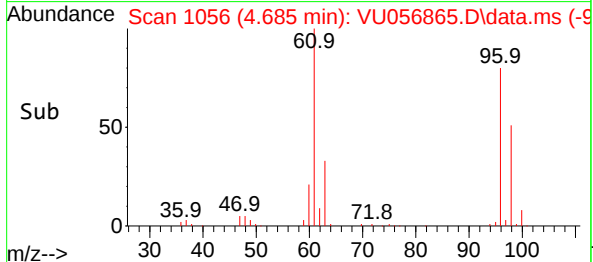
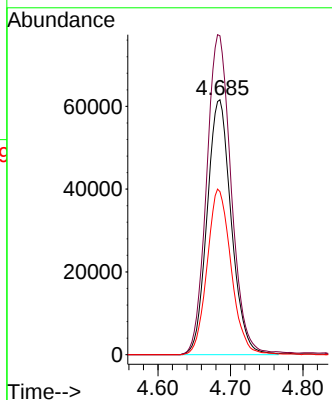
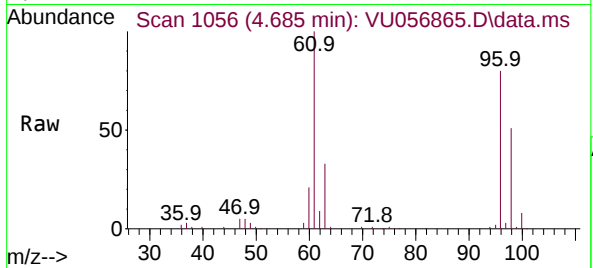




#22
 cis-1,2-Dichloroethene
 Concen: 7.338 ug/L
 RT: 4.685 min Scan# 1400
 Delta R.T. 0.026 min
 Lab File: VU056865.D
 Acq: 15 Dec 2023 03:27

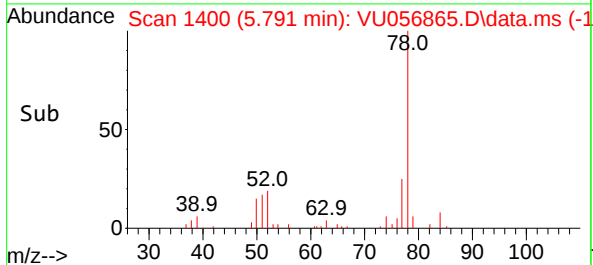
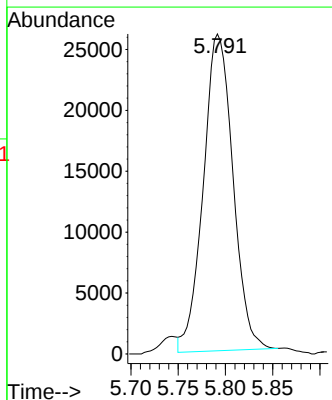
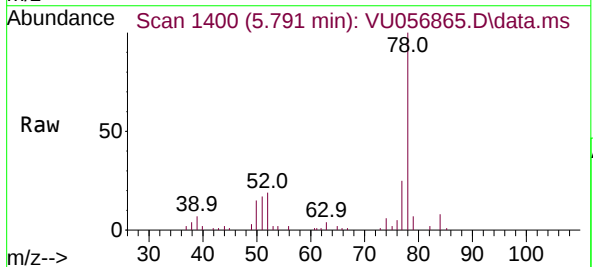
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 ClientSampleId :

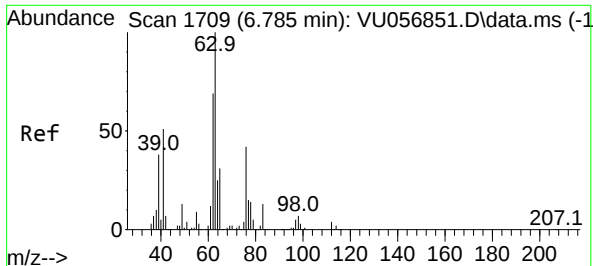
Tgt Ion: 96 Resp: 142975
 Ion Ratio Lower Upper
 96 100
 61 125.1 91.3 169.6
 98 64.0 44.2 82.0



#33
 Benzene
 Concen: 0.748 ug/L
 RT: 5.791 min Scan# 1400
 Delta R.T. 0.022 min
 Lab File: VU056865.D
 Acq: 15 Dec 2023 03:27

Tgt Ion: 78 Resp: 56793

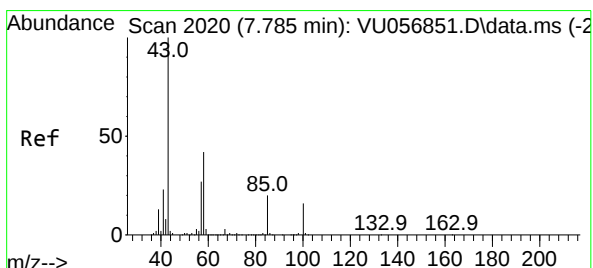
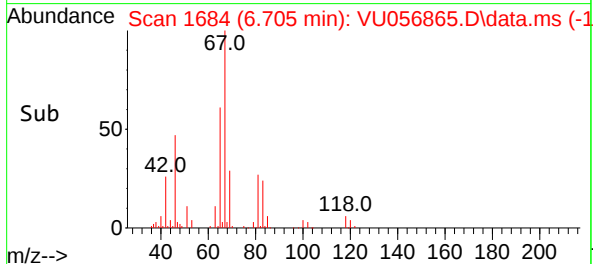
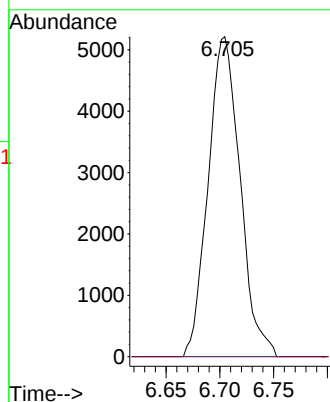
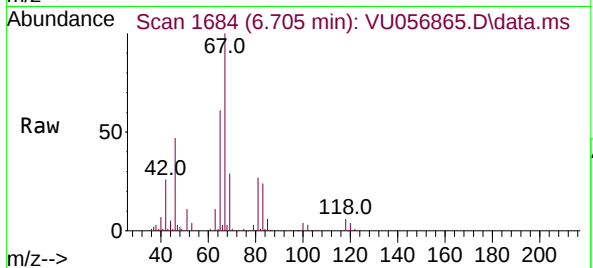




#37
1,2-Dichloropropane
Concen: 0.555 ug/L
RT: 6.705 min Scan# 1
Delta R.T. -0.080 min
Lab File: VU056865.D
Acq: 15 Dec 2023 03:27

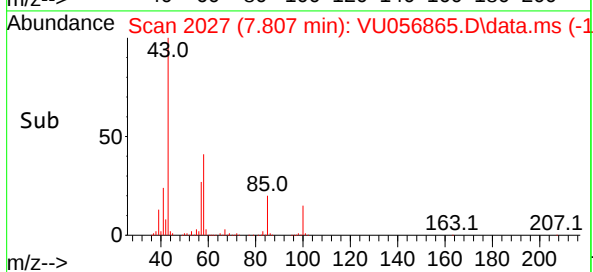
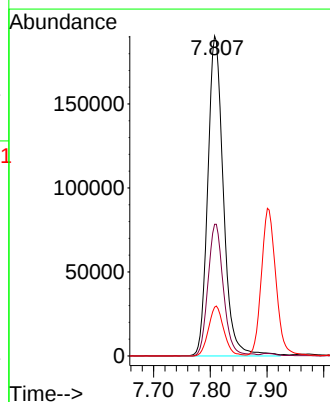
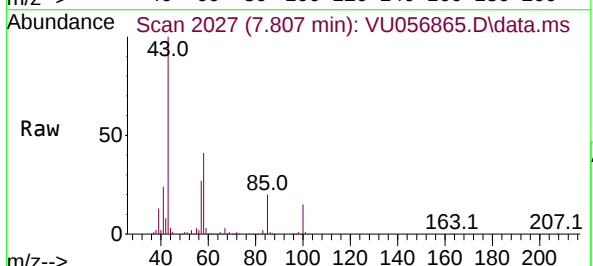
Instrument :
MSVOA_U
ClientSampleId :

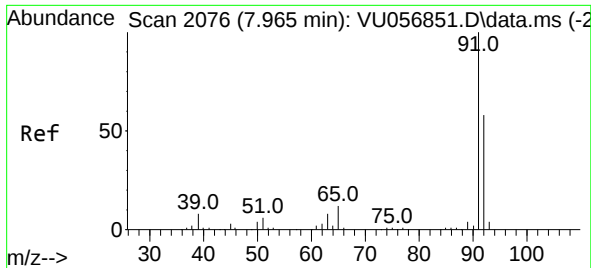
Tgt Ion: 63 Resp: 10778
Ion Ratio Lower Upper
63 100
112 0.4 3.3 4.9#



#40
4-Methyl-2-pentanone
Concen: 39.625 ug/L
RT: 7.807 min Scan# 2027
Delta R.T. 0.022 min
Lab File: VU056865.D
Acq: 15 Dec 2023 03:27

Tgt Ion: 43 Resp: 365365
Ion Ratio Lower Upper
43 100
58 40.8 33.7 50.5
100 15.2 13.0 19.4





#42

Toluene

Concen: 2.125 ug/L

RT: 7.975 min Scan# 2076

Delta R.T. 0.010 min

Lab File: VU056865.D

Acq: 15 Dec 2023 03:27

Instrument :

MSVOA_U

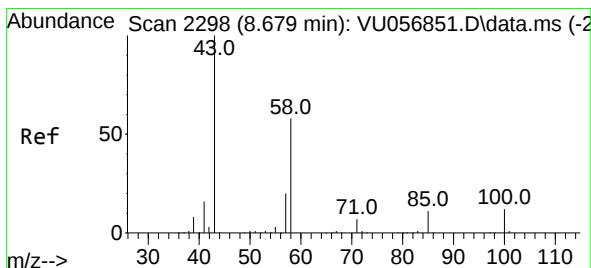
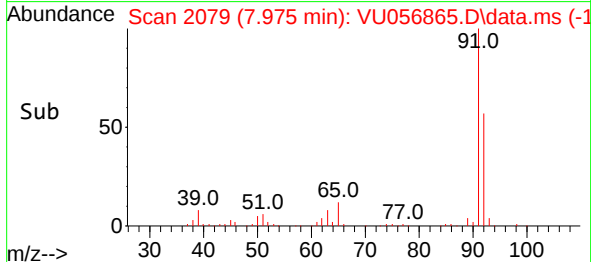
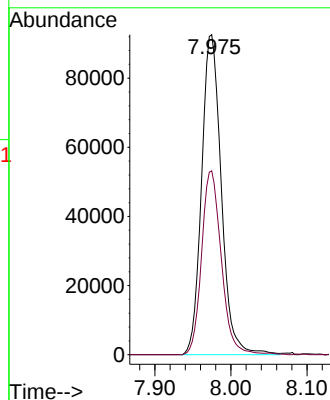
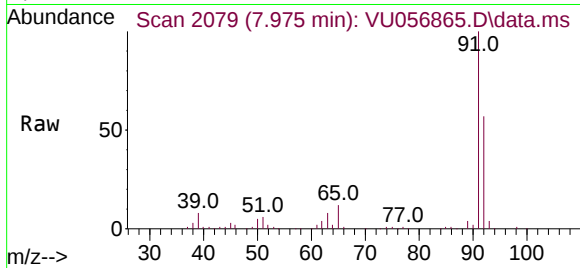
ClientSampleId :

Tgt Ion: 91 Resp: 166937

Ion Ratio Lower Upper

91 100

92 57.5 40.4 75.0



#48

2-Hexanone

Concen: 0.959 ug/L

RT: 8.701 min Scan# 2305

Delta R.T. 0.022 min

Lab File: VU056865.D

Acq: 15 Dec 2023 03:27

Tgt Ion: 43 Resp: 6296

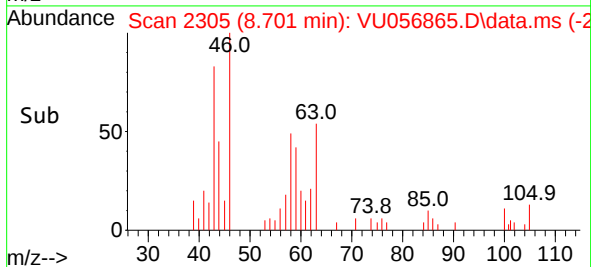
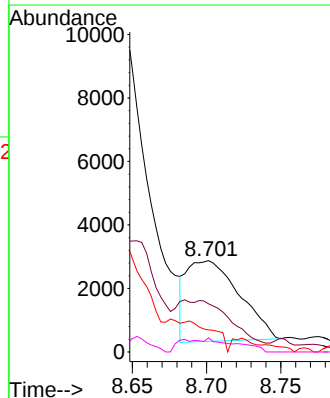
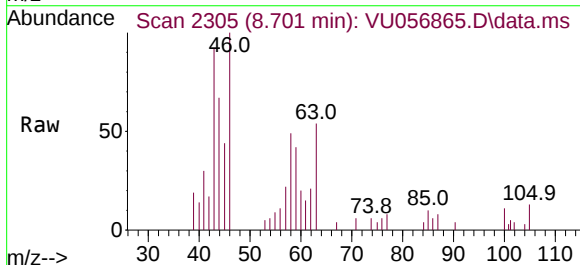
Ion Ratio Lower Upper

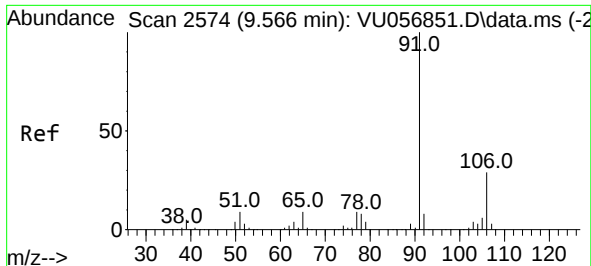
43 100

58 4.5 47.5 71.3#

57 10.3 17.0 25.4#

100 6.4 9.8 14.8#





#52

Ethylbenzene

Concen: 0.296 ug/L

RT: 9.573 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU056865.D

Acq: 15 Dec 2023 03:27

Instrument :

MSVOA_U

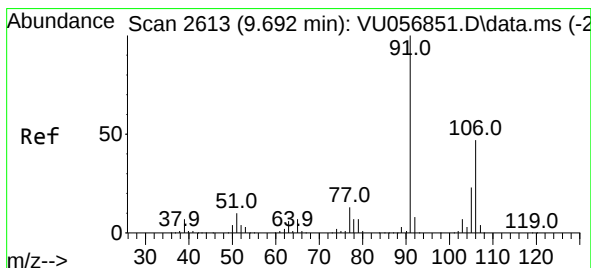
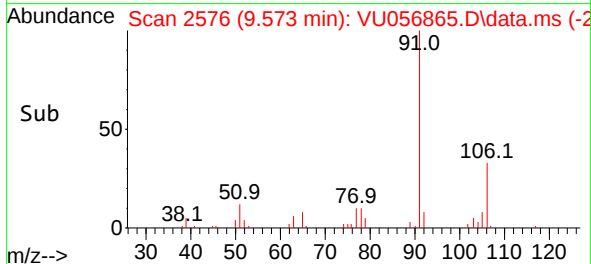
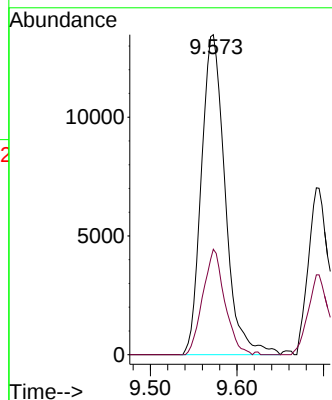
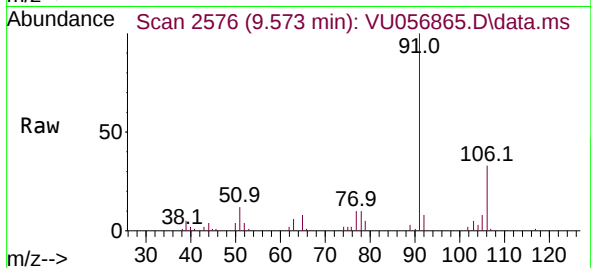
ClientSampleId :

Tgt Ion: 91 Resp: 25630

Ion Ratio Lower Upper

91 100

106 32.9 20.6 38.4



#53

m,p-Xylene

Concen: 0.168 ug/L

RT: 9.695 min Scan# 2614

Delta R.T. 0.003 min

Lab File: VU056865.D

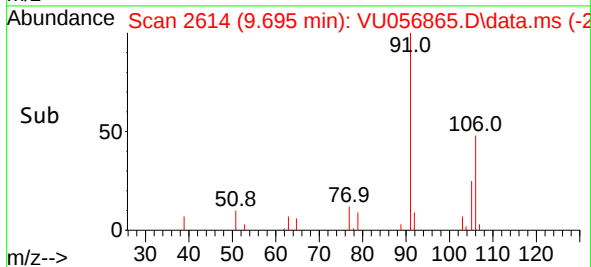
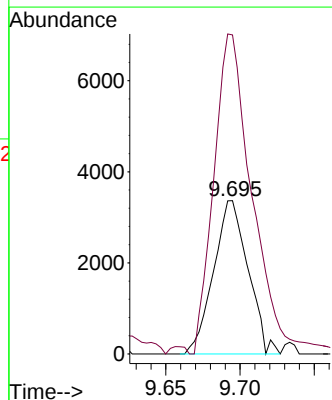
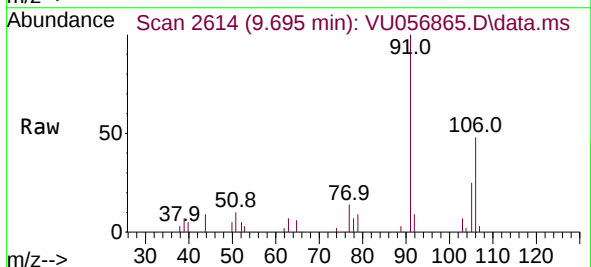
Acq: 15 Dec 2023 03:27

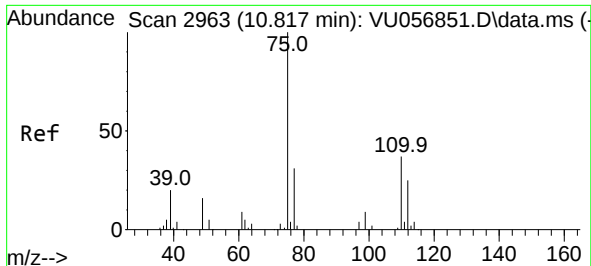
Tgt Ion:106 Resp: 5435

Ion Ratio Lower Upper

106 100

91 208.2 154.0 286.0

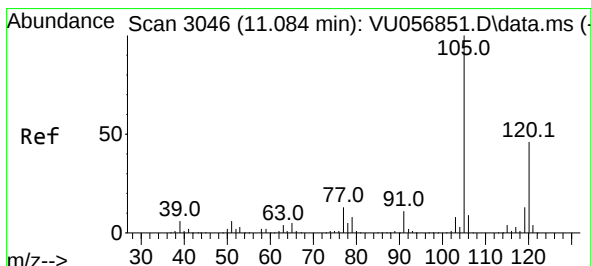
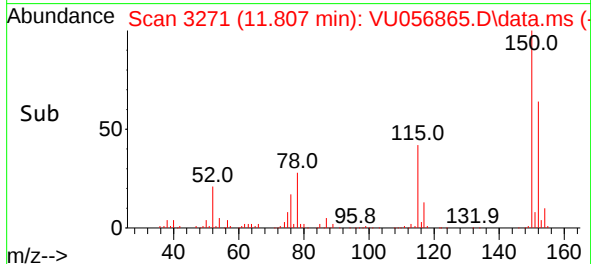
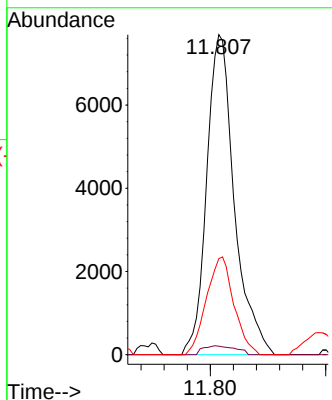
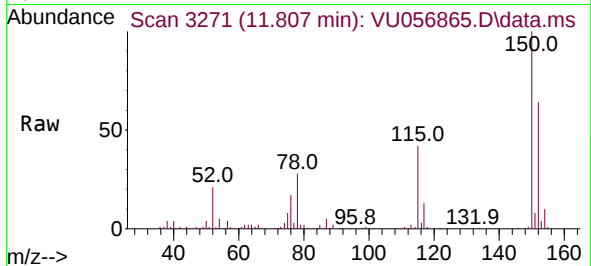




#61
1,2,3-Trichloropropane
Concen: 1.294 ug/L
RT: 11.807 min Scan# 3165
Delta R.T. 0.990 min
Lab File: VU056865.D
Acq: 15 Dec 2023 03:27

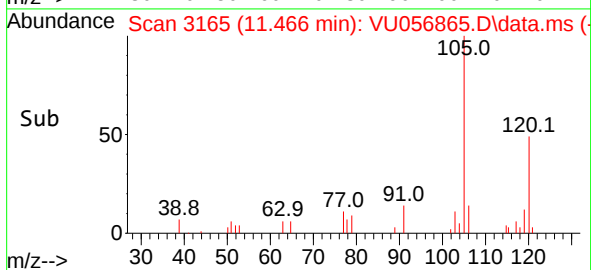
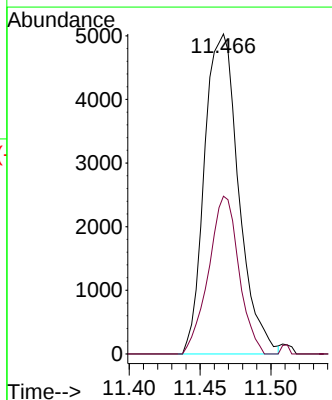
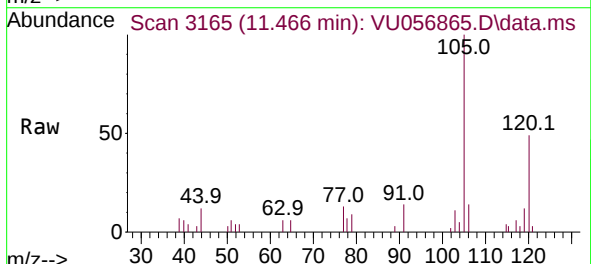
Instrument :
MSVOA_U
ClientSampleId :

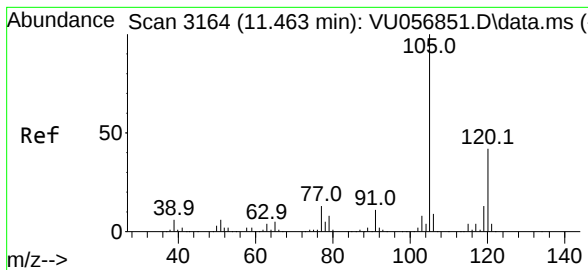
Tgt Ion: 75 Resp: 12783
Ion Ratio Lower Upper
75 100
110 3.2 28.4 42.6#
77 30.4 26.3 39.5



#62
1,3,5-Trimethylbenzene
Concen: 0.142 ug/L
RT: 11.466 min Scan# 3165
Delta R.T. 0.383 min
Lab File: VU056865.D
Acq: 15 Dec 2023 03:27

Tgt Ion: 105 Resp: 8460
Ion Ratio Lower Upper
105 100
120 43.7 36.8 55.2

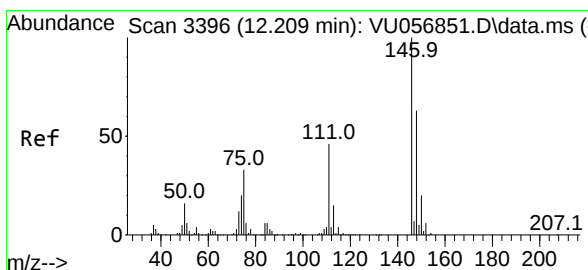
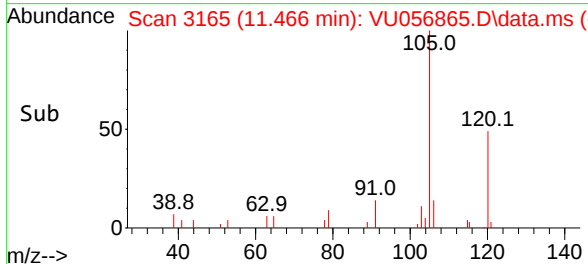
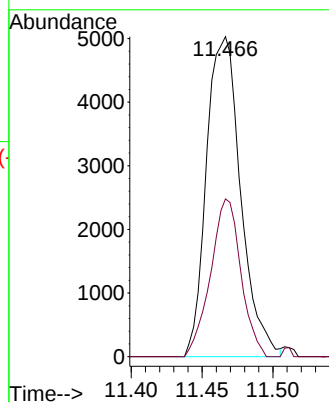
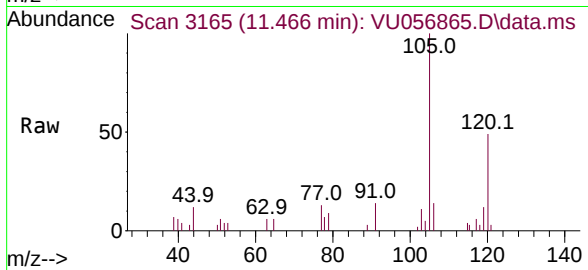




#63
1,2,4-Trimethylbenzene
Concen: 0.143 ug/L
RT: 11.466 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU056865.D
Acq: 15 Dec 2023 03:27

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:105 Resp: 8460
Ion Ratio Lower Upper
105 100
120 43.7 34.2 51.4



#67
1,2-Dichlorobenzene
Concen: 0.203 ug/L
RT: 12.203 min Scan# 3394
Delta R.T. -0.007 min
Lab File: VU056865.D
Acq: 15 Dec 2023 03:27

Tgt Ion:146 Resp: 6361
Ion Ratio Lower Upper
146 100
111 45.4 36.9 55.3
148 50.2 53.0 79.4#

