

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056793.D
 Acq On : 12 Dec 2023 18:09
 Operator : MD/SY
 Sample : 05664-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 13 00:34:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 00:30:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	243743	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	240327	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	103219	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	88275	4.225	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	84.600%	
7) Chloroethane-d5	1.911	69	70818	4.530	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	90.600%	
11) 1,1-Dichloroethene-d2	2.563	65	40376	4.517	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	90.400%	
20) 2-Butanone-d5	4.624	46	221904	53.781	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	107.560%	
24) Chloroform-d	5.055	84	190313	4.810	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.200%	
26) 1,2-Dichloroethane-d4	5.695	65	94032	5.023	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	100.400%	
32) Benzene-d6	5.721	84	372092	4.992	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	99.800%	
36) 1,2-Dichloropropane-d6	6.685	67	115921	4.968	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	99.400%	
41) Toluene-d8	7.894	98	312554	4.691	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	93.800%	
43) trans-1,3-Dichloroprop...	8.177	79	42419	4.688	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	93.800%	
46) 2-Hexanone-d5	8.631	63	171881	50.367	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	100.740%	
56) 1,1,2,2-Tetrachloroeth...	10.749	84	85192	5.047	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	101.000%	
66) 1,2-Dichlorobenzene-d4	12.187	152	106462	5.247	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	105.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	4571	0.182	ug/L	98
5) Vinyl chloride	1.602	62	264627	10.611	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	3766	0.188	ug/L	80
22) cis-1,2-Dichloroethene	4.656	96	672609	30.815	ug/L	99
25) Chloroform	5.084	83	33320	0.824	ug/L	93
30) Cyclohexane	5.380	56	13332	0.409	ug/L	98
33) Benzene	5.769	78	104239	1.234	ug/L	100
34) Trichloroethene	6.537	95	61991	2.676	ug/L	98
35) Methylcyclohexane	6.759	83	11011	0.322	ug/L	92
37) 1,2-Dichloropropane	6.685	63	12917	0.598	ug/L #	88
40) 4-Methyl-2-pentanone	7.788	43	52909	5.157	ug/L	98
42) Toluene	7.965	91	146756	1.679	ug/L	99
48) 2-Hexanone	8.682	43	8538	1.168	ug/L #	86
51) Chlorobenzene	9.444	112	17903	0.321	ug/L	96
52) Ethylbenzene	9.569	91	23412	0.243	ug/L	96
53) m,p-Xylene	9.692	106	5703	0.159	ug/L	97
61) 1,2,3-Trichloropropane	11.807	75	15843	1.429	ug/L #	65
63) 1,2,4-Trimethylbenzene	11.466	105	12161	0.184	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	9058	0.238	ug/L	94

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QLast Update : Wed Dec 13 00:30:00 2023
Response via : Initial Calibration

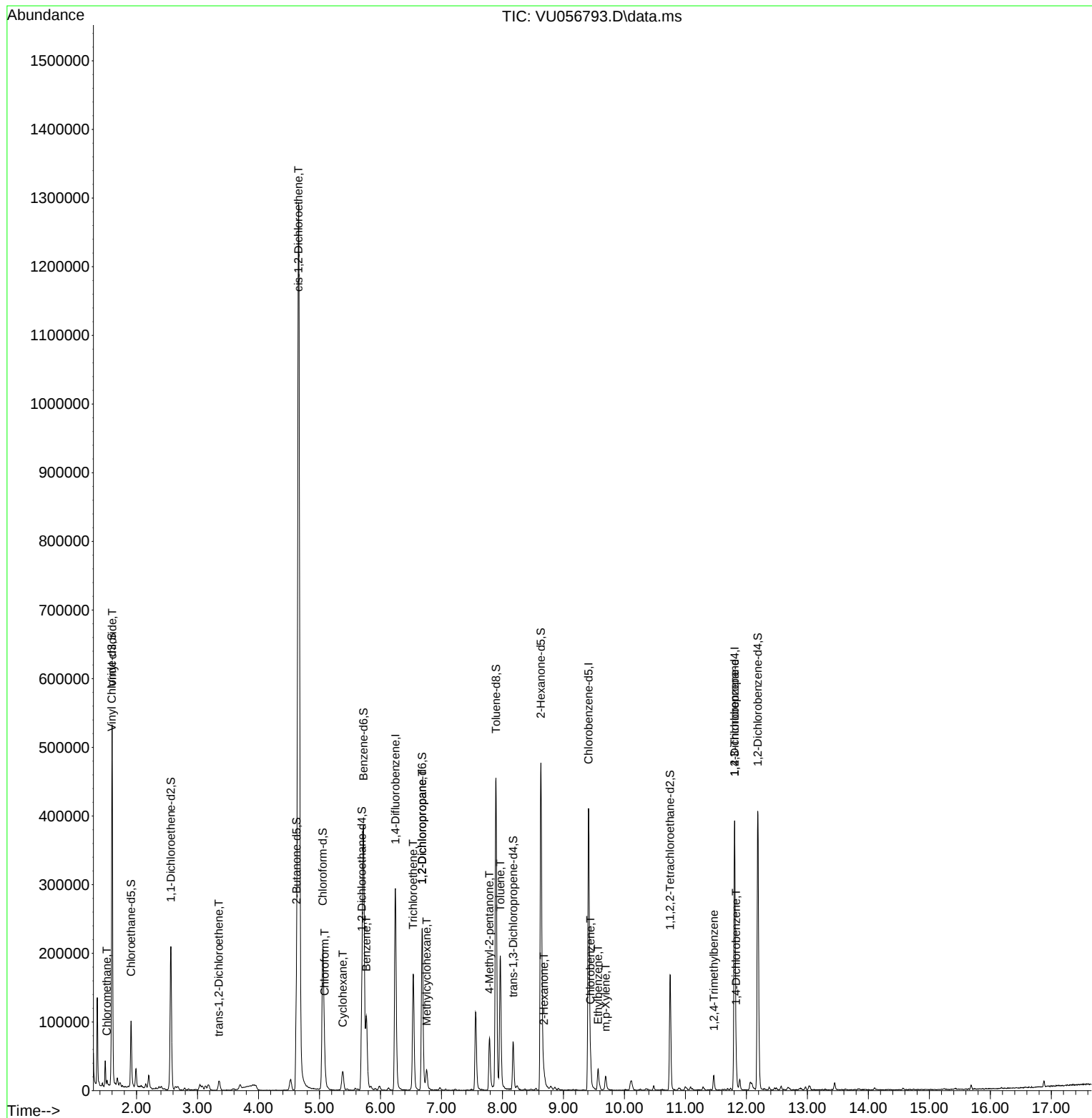
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

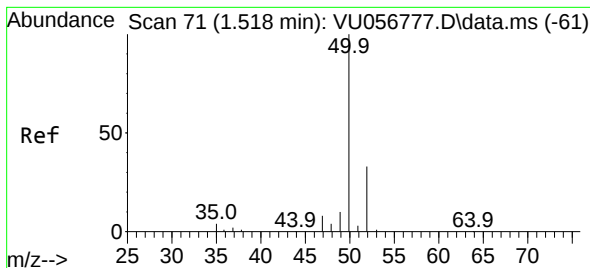
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.182 ug/L

RT: 1.515 min Scan# 70

Delta R.T. -0.003 min

Lab File: VU056793.D

Acq: 12 Dec 2023 18:09

Instrument :

MSVOA_U

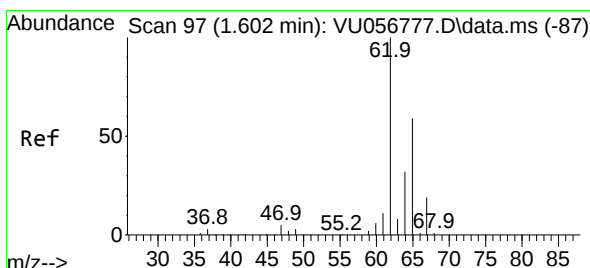
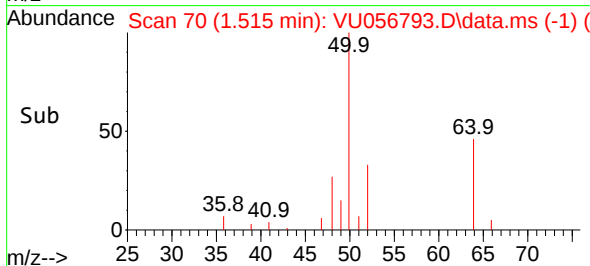
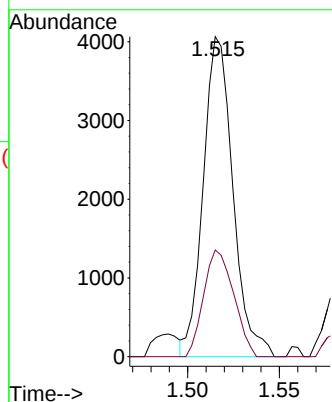
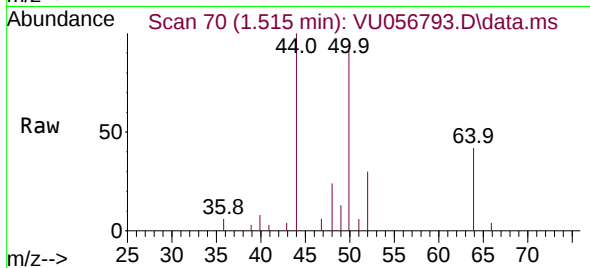
ClientSampleId :

Tgt Ion: 50 Resp: 4571

Ion Ratio Lower Upper

50 100

52 33.3 22.5 41.7



#5

Vinyl chloride

Concen: 10.611 ug/L

RT: 1.602 min Scan# 97

Delta R.T. -0.000 min

Lab File: VU056793.D

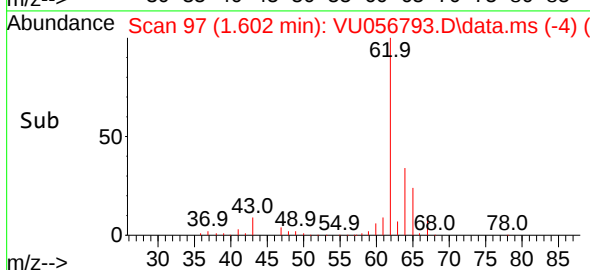
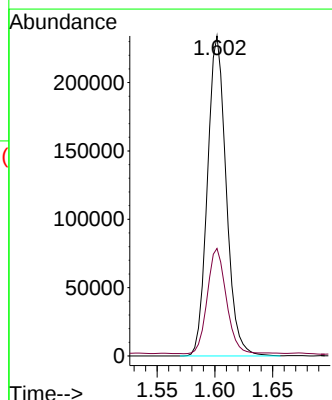
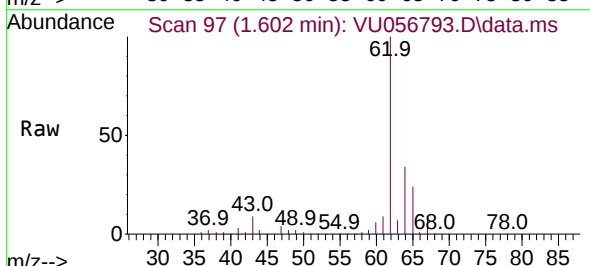
Acq: 12 Dec 2023 18:09

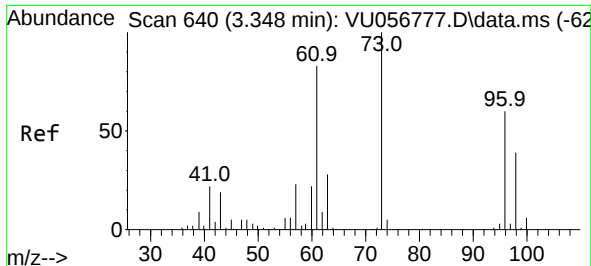
Tgt Ion: 62 Resp: 264627

Ion Ratio Lower Upper

62 100

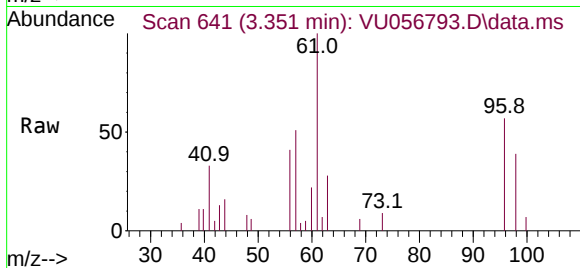
64 33.6 22.8 42.4



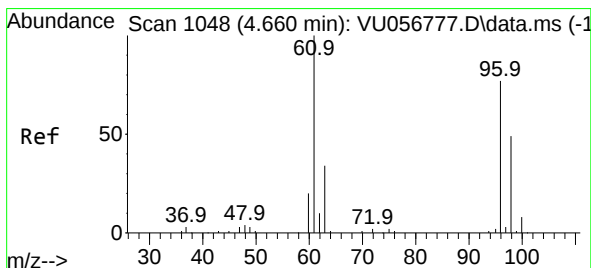
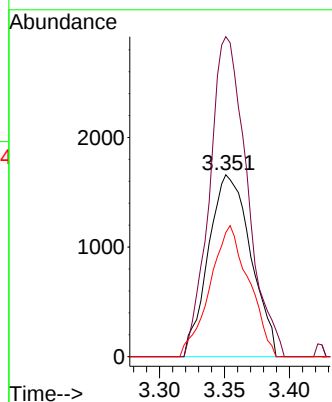
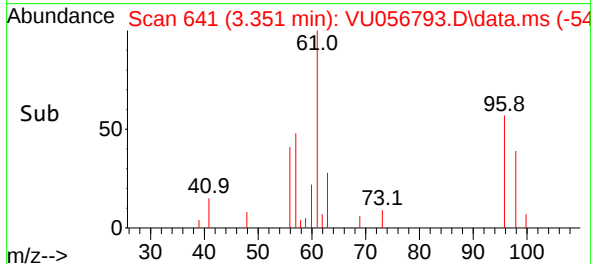


#18
trans-1,2-Dichloroethene
Concen: 0.188 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU056793.D
Acq: 12 Dec 2023 18:09

Instrument :
MSVOA_U
ClientSampleId :

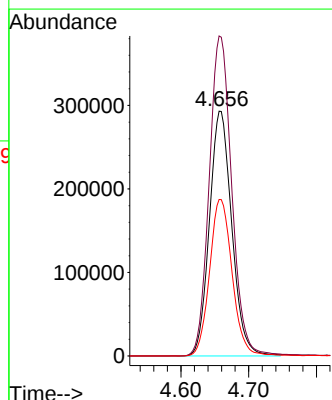
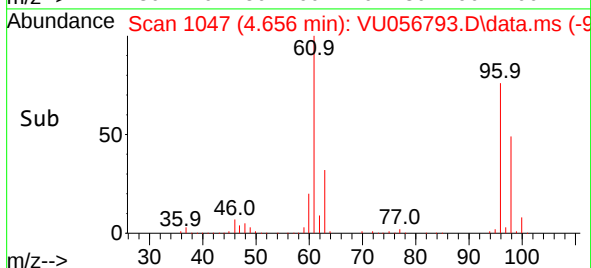
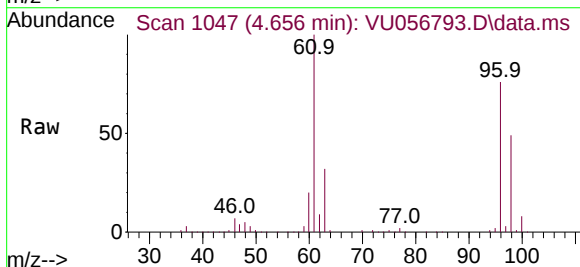


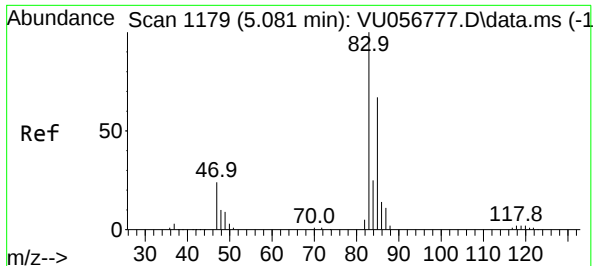
Tgt Ion: 96 Resp: 3766
Ion Ratio Lower Upper
96 100
61 175.9 101.8 189.0
98 68.3 43.0 79.8



#22
cis-1,2-Dichloroethene
Concen: 30.815 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU056793.D
Acq: 12 Dec 2023 18:09

Tgt Ion: 96 Resp: 672609
Ion Ratio Lower Upper
96 100
61 130.7 91.3 169.6
98 64.0 44.2 82.0





#25

Chloroform

Concen: 0.824 ug/L

RT: 5.084 min Scan# 1179

Delta R.T. 0.003 min

Lab File: VU056793.D

Acq: 12 Dec 2023 18:09

Instrument :

MSVOA_U

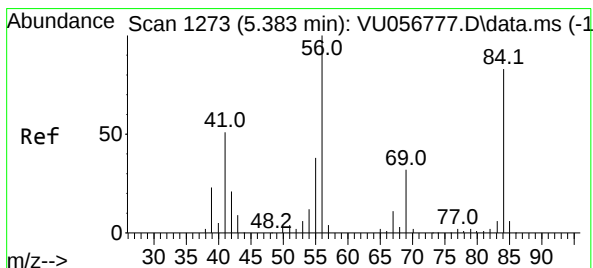
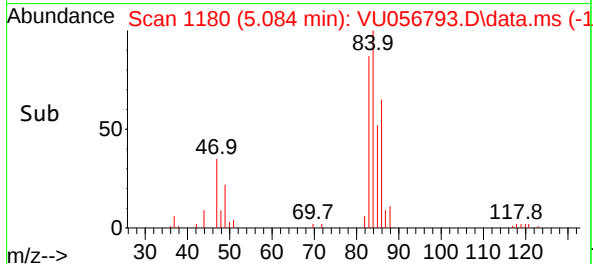
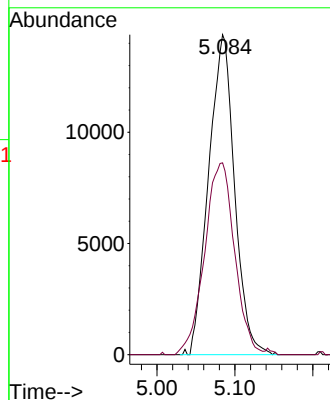
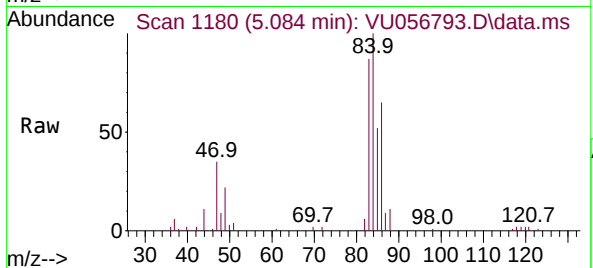
ClientSampleId :

Tgt Ion: 83 Resp: 33320

Ion Ratio Lower Upper

83 100

85 60.0 45.8 85.0



#30

Cyclohexane

Concen: 0.409 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. -0.003 min

Lab File: VU056793.D

Acq: 12 Dec 2023 18:09

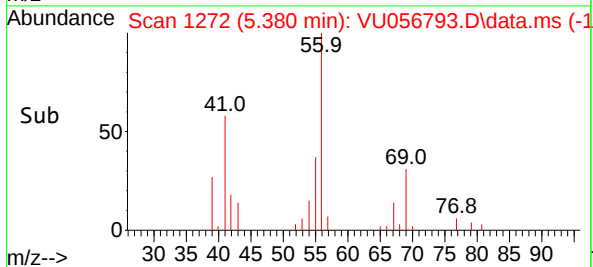
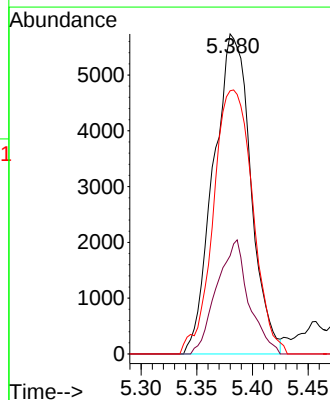
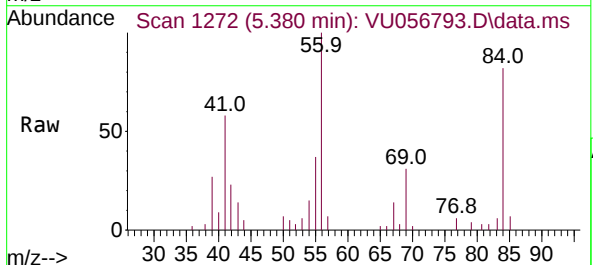
Tgt Ion: 56 Resp: 13332

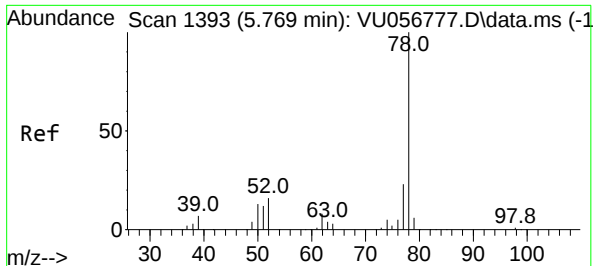
Ion Ratio Lower Upper

56 100

69 30.7 24.9 37.3

84 87.1 67.6 101.4

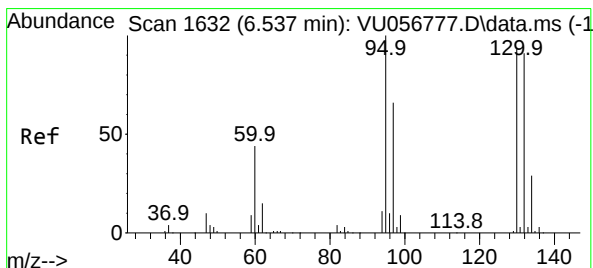
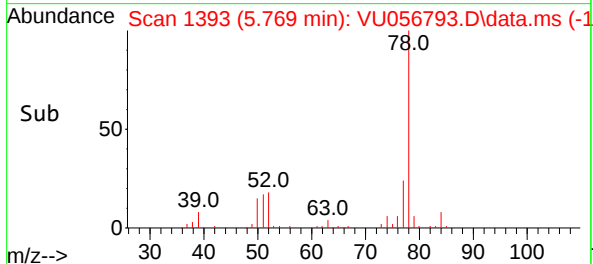
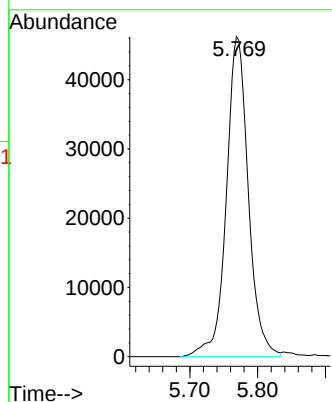
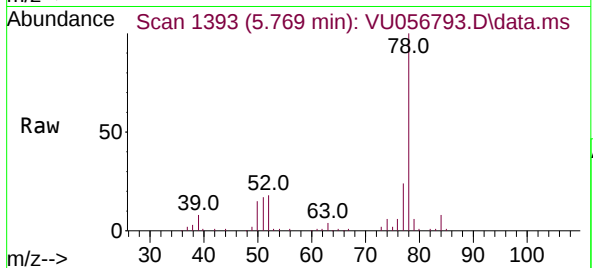




#33
Benzene
Concen: 1.234 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056793.D
Acq: 12 Dec 2023 18:09

Instrument :
MSVOA_U
ClientSampleId :

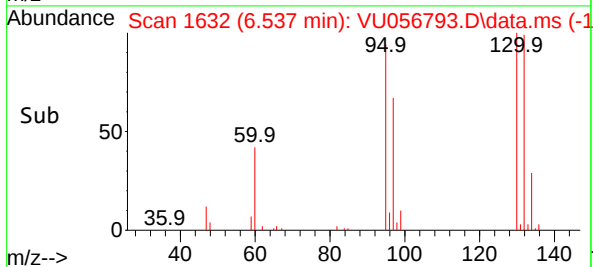
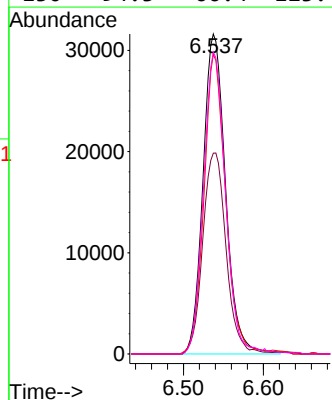
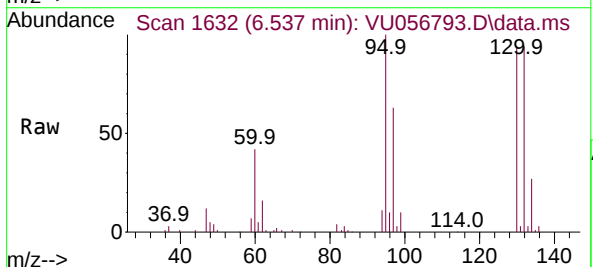
Tgt Ion: 78 Resp: 104239

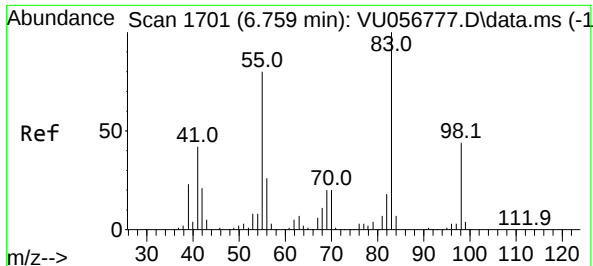


#34
Trichloroethene
Concen: 2.676 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU056793.D
Acq: 12 Dec 2023 18:09

Tgt Ion: 95 Resp: 61991

Ion	Ratio	Lower	Upper
95	100		
97	62.7	46.1	85.5
132	93.7	63.6	118.0
130	94.3	66.4	123.4

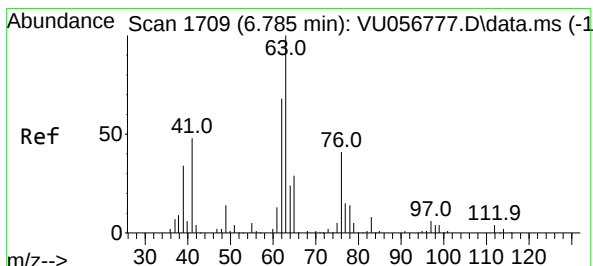
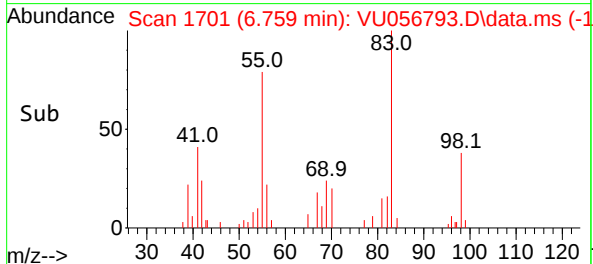
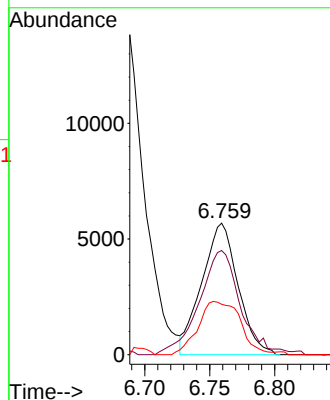
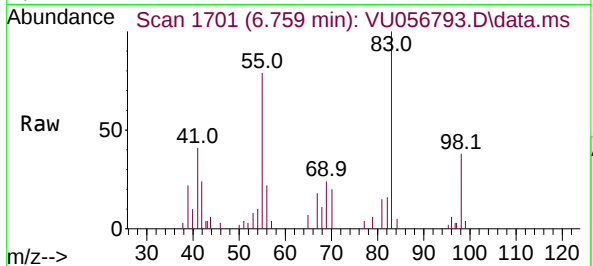




#35
Methylcyclohexane
Concen: 0.322 ug/L
RT: 6.759 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU056793.D
Acq: 12 Dec 2023 18:09

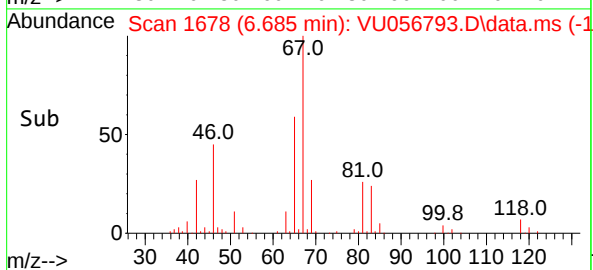
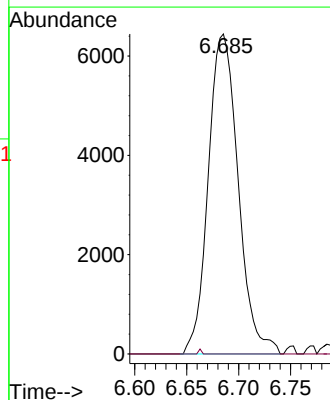
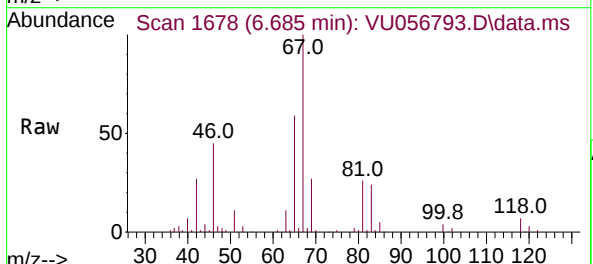
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MSVOA_U
ClientSampleId :

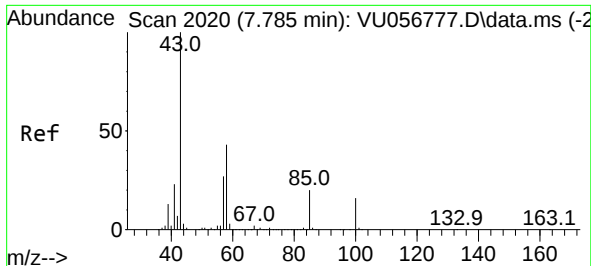
Tgt Ion: 83 Resp: 11011
Ion Ratio Lower Upper
83 100
55 90.1 64.6 97.0
98 47.1 36.1 54.1



#37
1,2-Dichloropropane
Concen: 0.598 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.100 min
Lab File: VU056793.D
Acq: 12 Dec 2023 18:09

Tgt Ion: 63 Resp: 12917
Ion Ratio Lower Upper
63 100
112 0.1 3.3 4.9#





#40

4-Methyl-2-pentanone

Concen: 5.157 ug/L

RT: 7.788 min Scan# 2020

Delta R.T. 0.003 min

Lab File: VU056793.D

Acq: 12 Dec 2023 18:09

Instrument :

MSVOA_U

ClientSampleId :

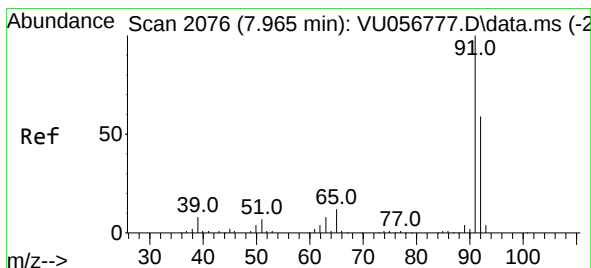
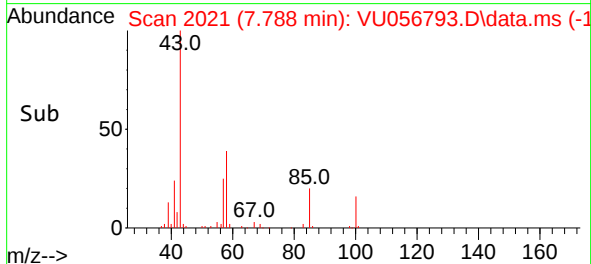
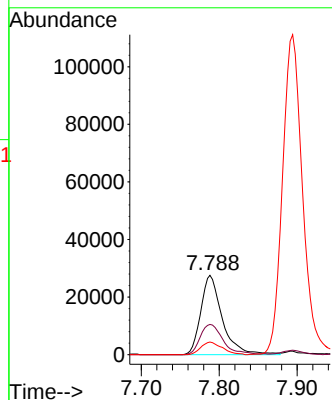
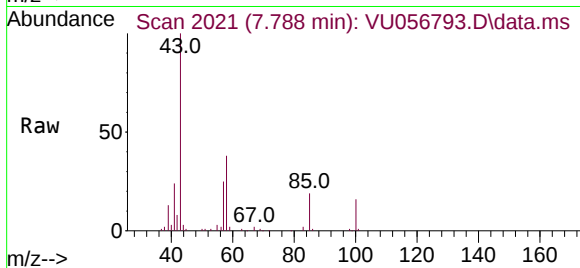
Tgt Ion: 43 Resp: 52909

Ion Ratio Lower Upper

43 100

58 40.5 33.7 50.5

100 15.8 13.0 19.4



#42

Toluene

Concen: 1.679 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056793.D

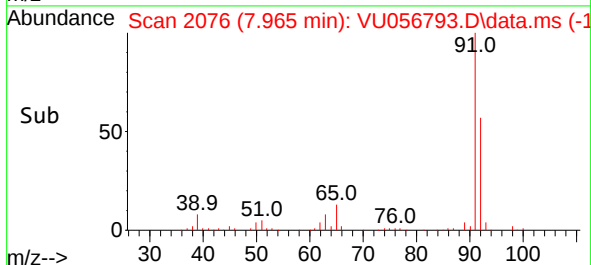
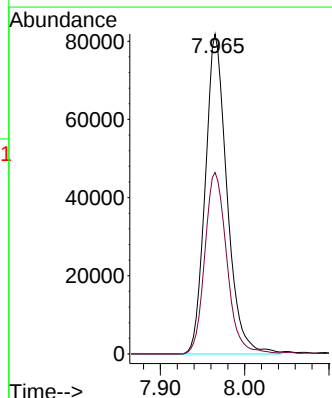
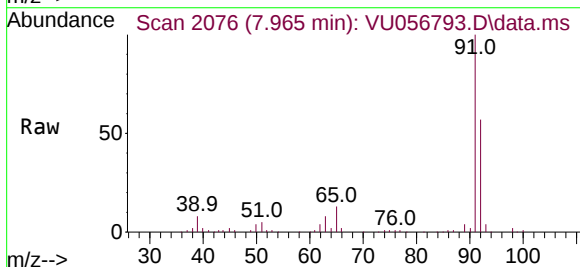
Acq: 12 Dec 2023 18:09

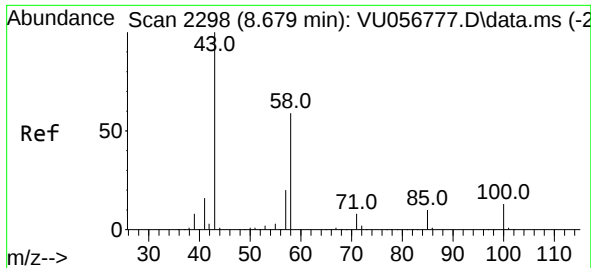
Tgt Ion: 91 Resp: 146756

Ion Ratio Lower Upper

91 100

92 56.7 40.4 75.0

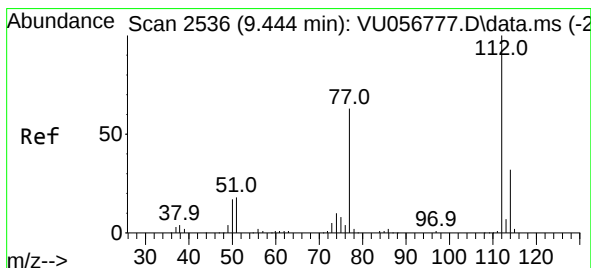
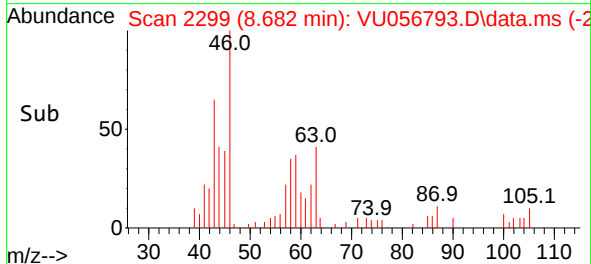
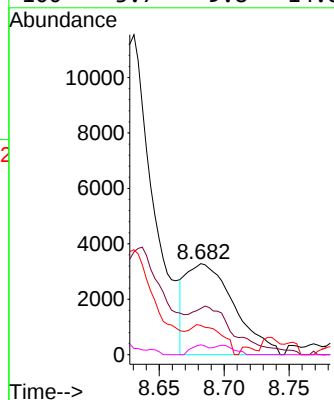
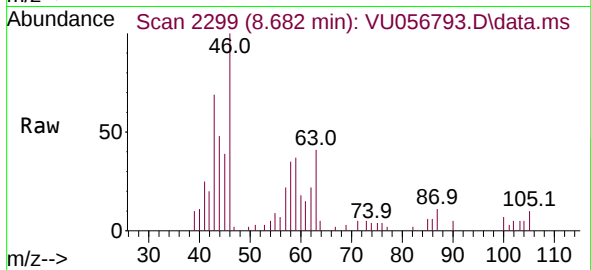




#48
2-Hexanone
Concen: 1.168 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU056793.D
Acq: 12 Dec 2023 18:09

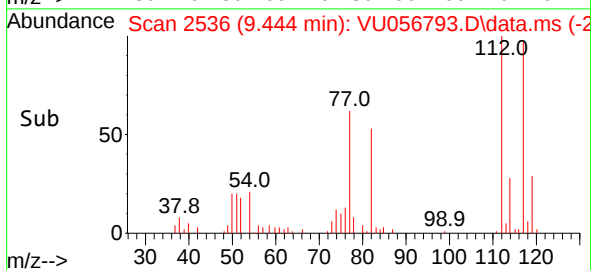
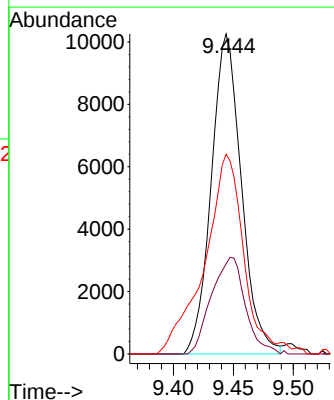
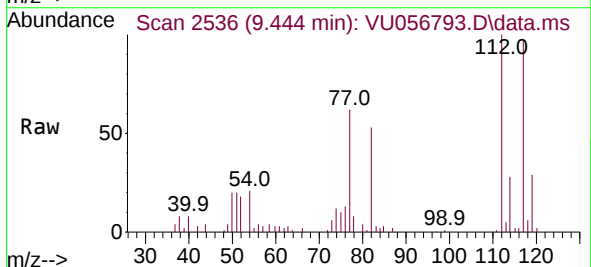
Instrument :
MSVOA_U
ClientSampleId :

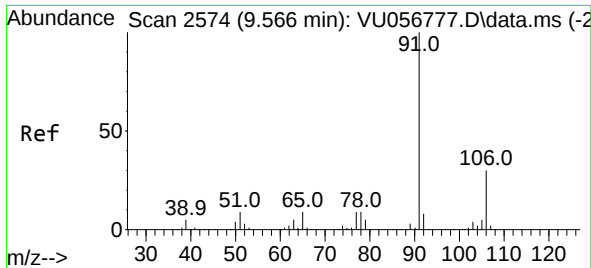
Tgt Ion:	43	Resp:	8538
Ion	Ratio	Lower	Upper
43	100		
58	46.3	47.5	71.3#
57	21.6	17.0	25.4
100	3.7	9.8	14.8#



#51
Chlorobenzene
Concen: 0.321 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU056793.D
Acq: 12 Dec 2023 18:09

Tgt Ion:	112	Resp:	17903
Ion	Ratio	Lower	Upper
112	100		
114	28.2	21.9	40.7
77	62.4	51.6	77.4

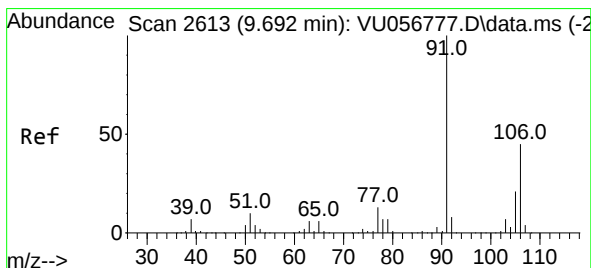
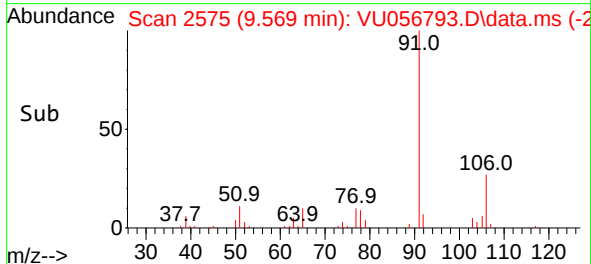
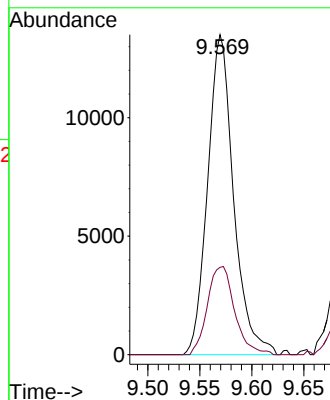
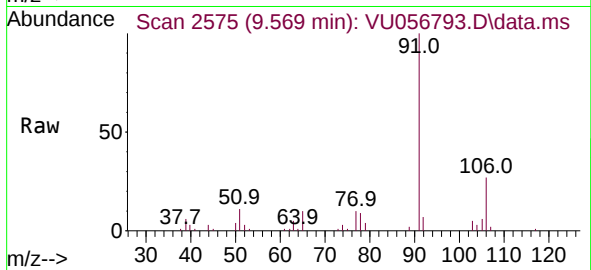




#52
Ethylbenzene
Concen: 0.243 ug/L
RT: 9.569 min Scan# 2575
Delta R.T. 0.003 min
Lab File: VU056793.D
Acq: 12 Dec 2023 18:09

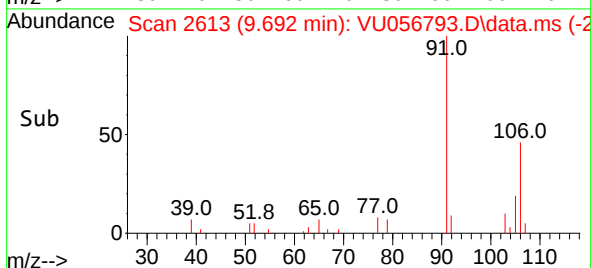
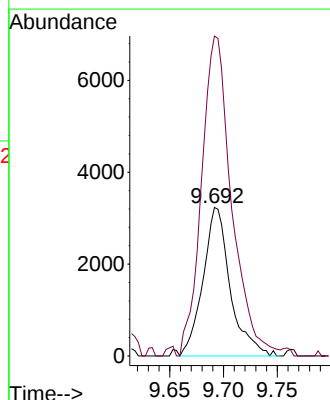
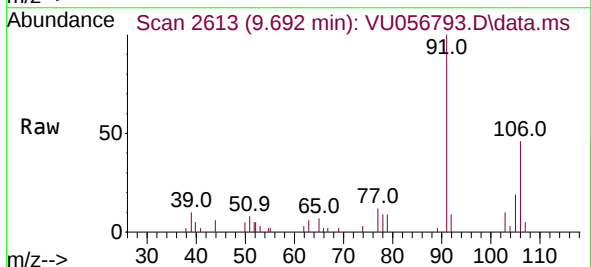
Instrument :
MSVOA_U
ClientSampleId :

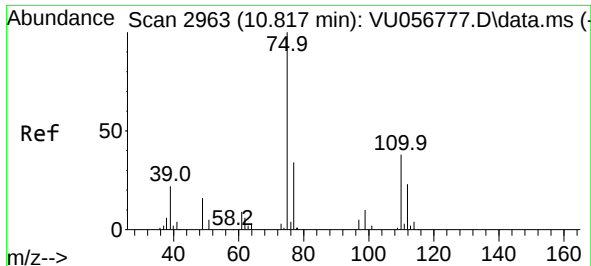
Tgt Ion: 91 Resp: 23412
Ion Ratio Lower Upper
91 100
106 27.3 20.6 38.4



#53
m,p-Xylene
Concen: 0.159 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU056793.D
Acq: 12 Dec 2023 18:09

Tgt Ion: 106 Resp: 5703
Ion Ratio Lower Upper
106 100
91 215.6 154.0 286.0

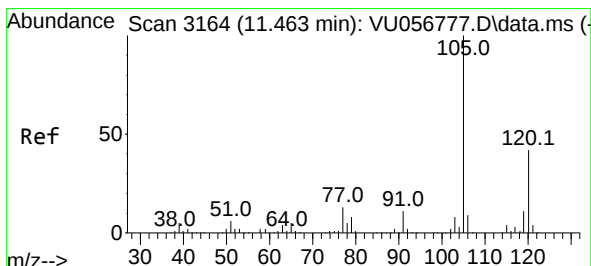
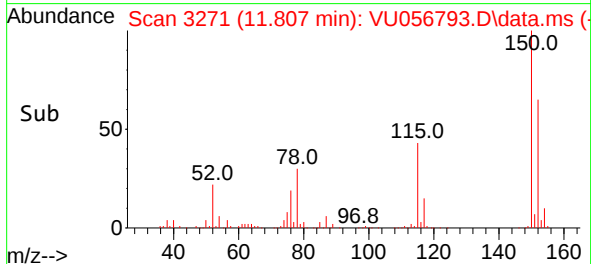
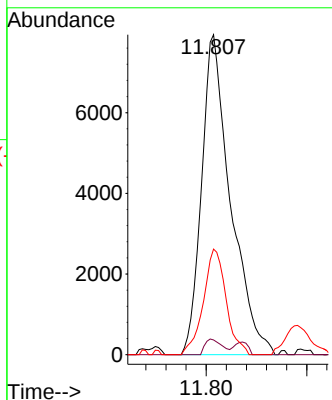
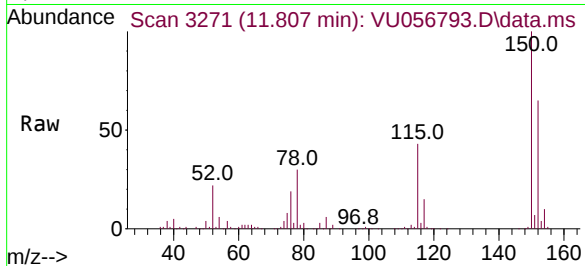




#61
 1,2,3-Trichloropropane
 Concen: 1.429 ug/L
 RT: 11.807 min Scan# 3165
 Delta R.T. 0.990 min
 Lab File: VU056793.D
 Acq: 12 Dec 2023 18:09

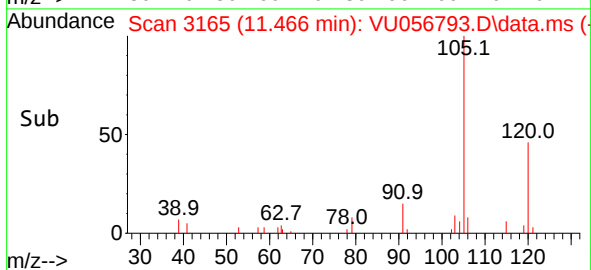
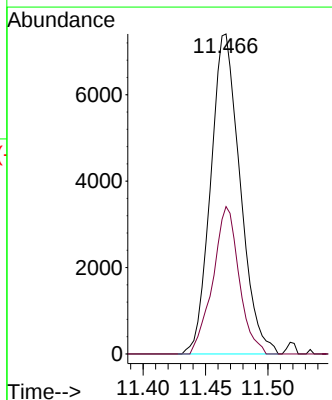
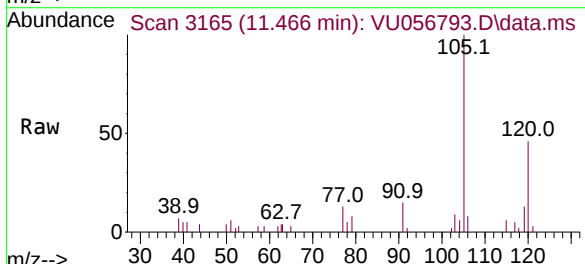
Instrument :
 MSVOA_U
 ClientSampleId :

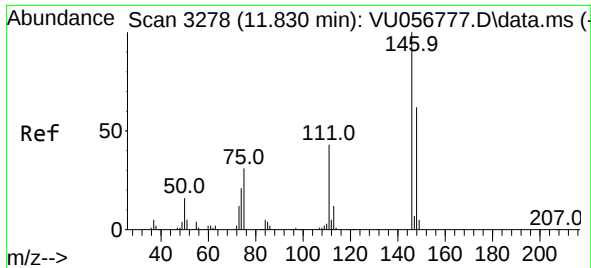
Tgt Ion: 75 Resp: 15843
 Ion Ratio Lower Upper
 75 100
 110 2.9 28.4 42.6#
 77 25.9 26.3 39.5#



#63
 1,2,4-Trimethylbenzene
 Concen: 0.184 ug/L
 RT: 11.466 min Scan# 3165
 Delta R.T. 0.003 min
 Lab File: VU056793.D
 Acq: 12 Dec 2023 18:09

Tgt Ion: 105 Resp: 12161
 Ion Ratio Lower Upper
 105 100
 120 41.0 34.2 51.4





#65

1,4-Dichlorobenzene

Concen: 0.238 ug/L

RT: 11.833 min Scan# 31

Delta R.T. 0.003 min

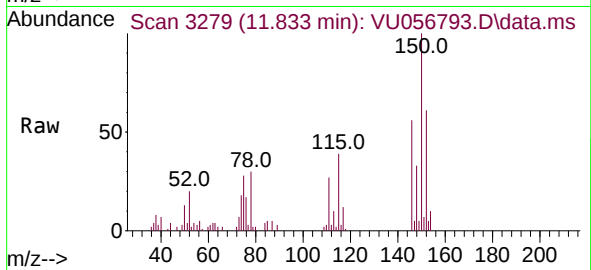
Lab File: VU056793.D

Acq: 12 Dec 2023 18:09

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 9058

Ion Ratio Lower Upper

146 100

111 47.7 31.2 58.0

148 59.4 45.6 84.8

