

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
 Data File : VU056853.D
 Acq On : 14 Dec 2023 22:37
 Operator : MD/SY
 Sample : 05731-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 05:09:16 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)

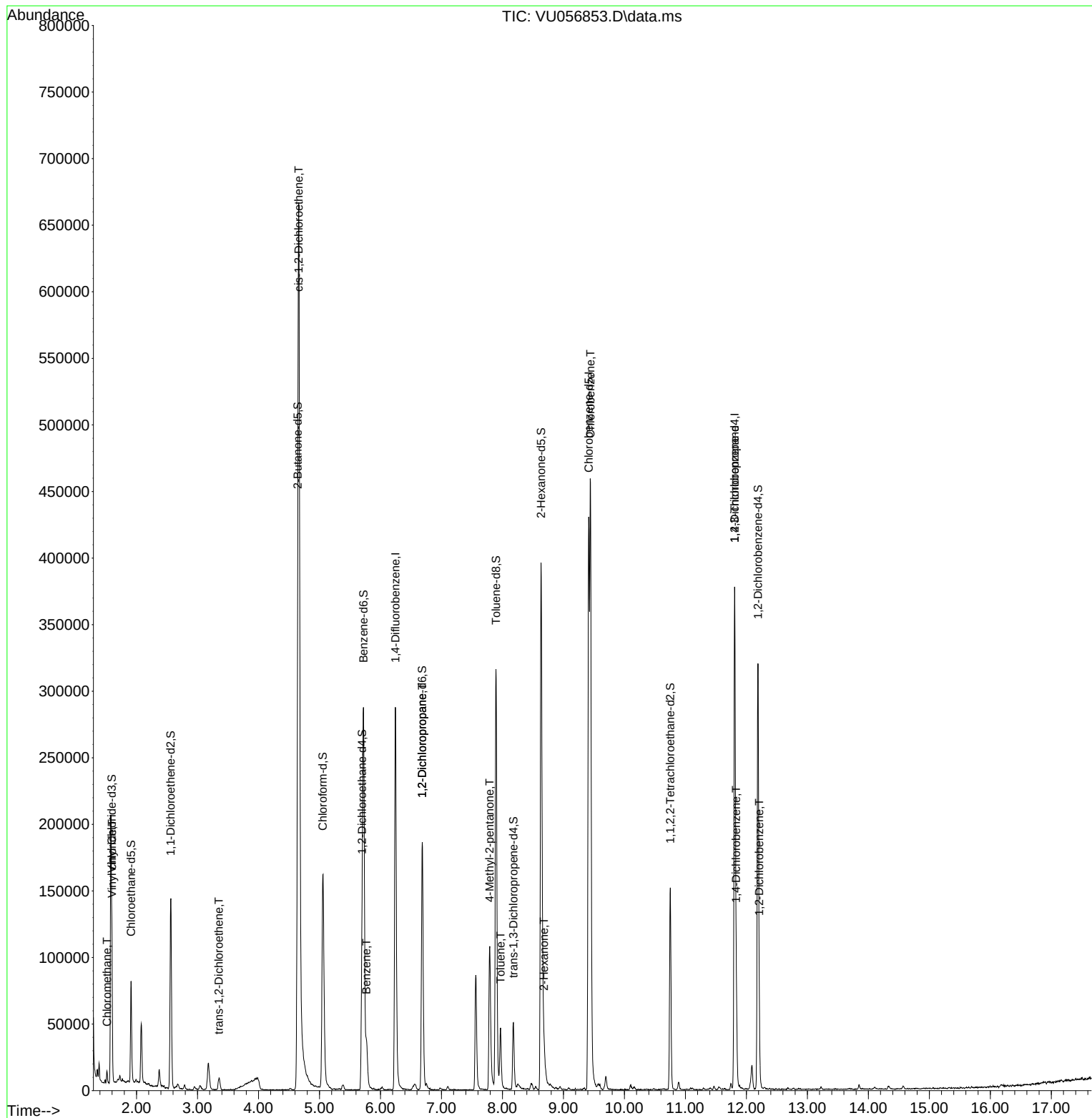
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	237048	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	239814	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	101495	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	61327	3.018	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.400%
7) Chloroethane-d5	1.911	69	57080	3.754	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.000%
11) 1,1-Dichloroethene-d2	2.560	65	27792	3.197	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.000%
20) 2-Butanone-d5	4.644	46	199632	49.750	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.500%
24) Chloroform-d	5.055	84	155240	4.035	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.600%
26) 1,2-Dichloroethane-d4	5.698	65	78493	4.311	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
32) Benzene-d6	5.721	84	275248	3.700	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.000%
36) 1,2-Dichloropropane-d6	6.685	67	94577	4.062	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.200%
41) Toluene-d8	7.894	98	223312	3.359	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.200%#
43) trans-1,3-Dichloroprop...	8.181	79	33421	3.702	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.000%
46) 2-Hexanone-d5	8.634	63	146512	43.025	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.040%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	76693	4.553	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	85418	4.281	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	6582	0.269	ug/L	93
5) Vinyl chloride	1.599	62	12092	0.499	ug/L	90
18) trans-1,2-Dichloroethene	3.351	96	3491	0.179	ug/L	93
22) cis-1,2-Dichloroethene	4.660	96	322838	15.208	ug/L	100
33) Benzene	5.769	78	31333	0.372	ug/L	100
37) 1,2-Dichloropropane	6.685	63	10026	0.465	ug/L #	88
40) 4-Methyl-2-pentanone	7.791	43	81020	7.914	ug/L	96
42) Toluene	7.968	91	32751	0.376	ug/L	93
48) 2-Hexanone	8.682	43	7631	1.047	ug/L #	65
51) Chlorobenzene	9.444	112	240349	4.324	ug/L	97
61) 1,2,3-Trichloropropane	11.807	75	21720	1.993	ug/L #	43
65) 1,4-Dichlorobenzene	11.833	146	26780	0.717	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	10452	0.302	ug/L	95

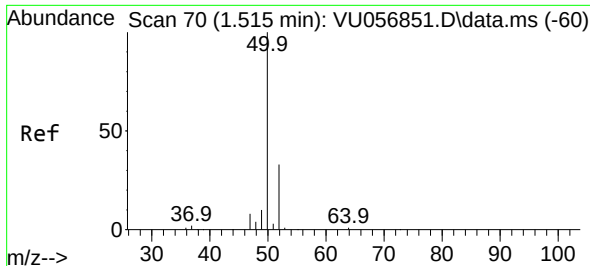
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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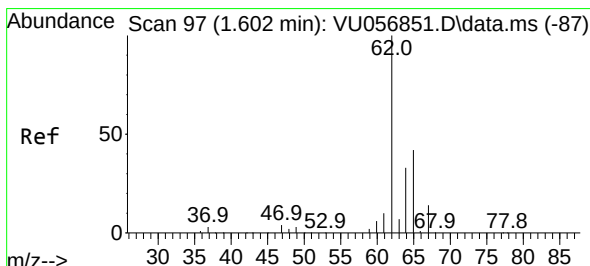
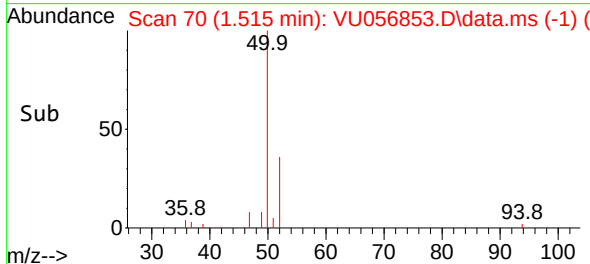
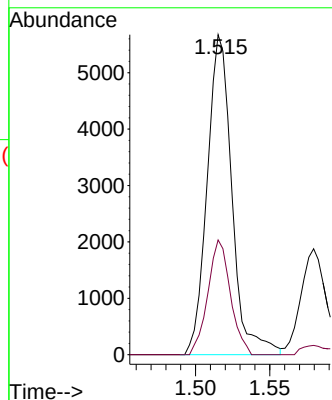
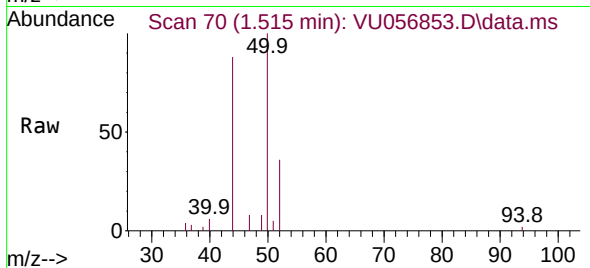




#3
Chloromethane
Concen: 0.269 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU056853.D
Acq: 14 Dec 2023 22:37

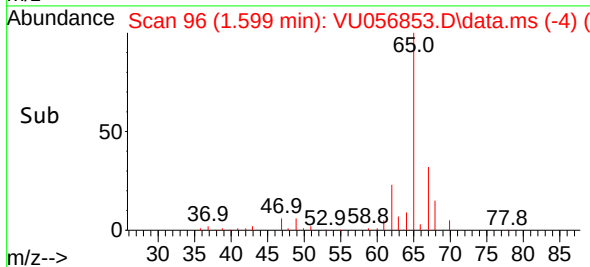
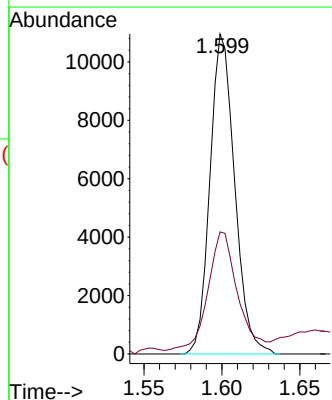
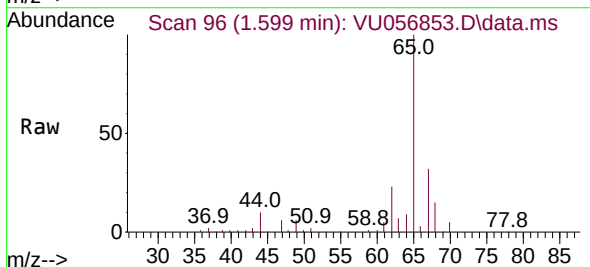
Instrument :
MSVOA_U
ClientSampleId :

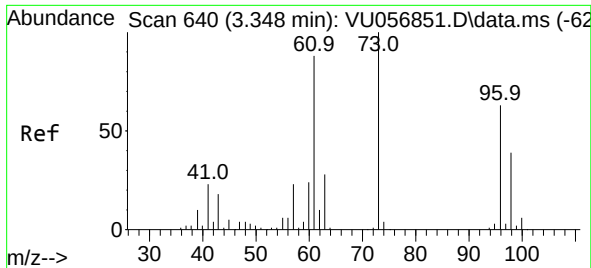
Tgt Ion: 50 Resp: 6582
Ion Ratio Lower Upper
50 100
52 35.8 22.5 41.7



#5
Vinyl chloride
Concen: 0.499 ug/L
RT: 1.599 min Scan# 96
Delta R.T. -0.003 min
Lab File: VU056853.D
Acq: 14 Dec 2023 22:37

Tgt Ion: 62 Resp: 12092
Ion Ratio Lower Upper
62 100
64 38.1 22.8 42.4

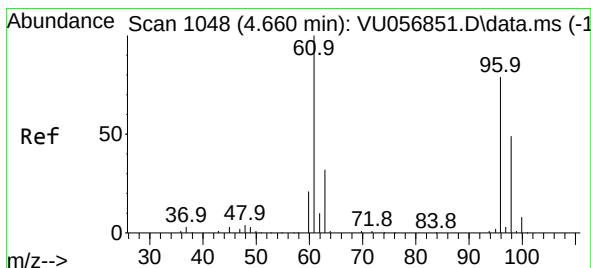
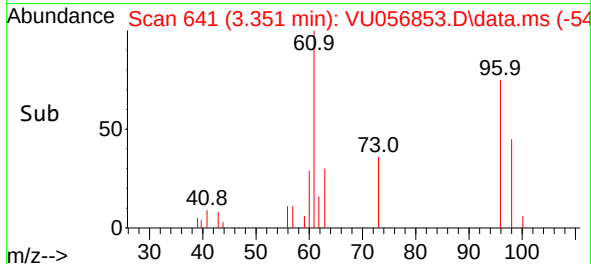
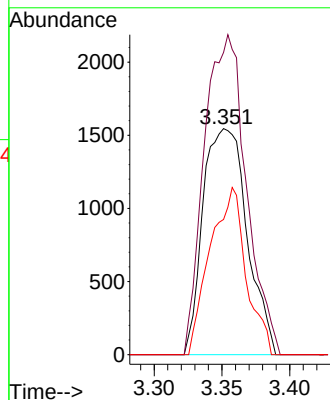
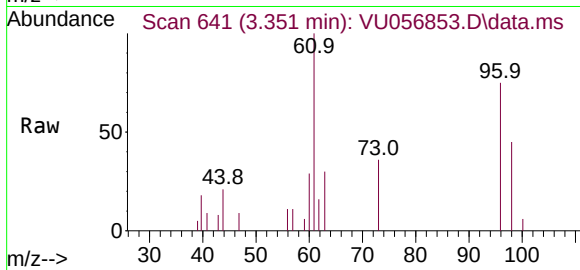




#18
trans-1,2-Dichloroethene
Concen: 0.179 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU056853.D
Acq: 14 Dec 2023 22:37

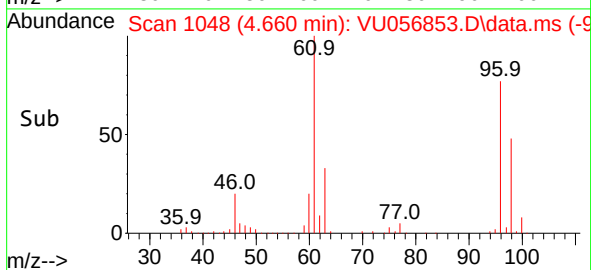
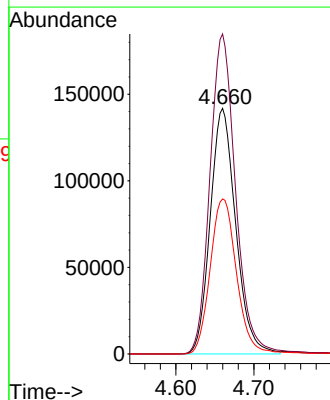
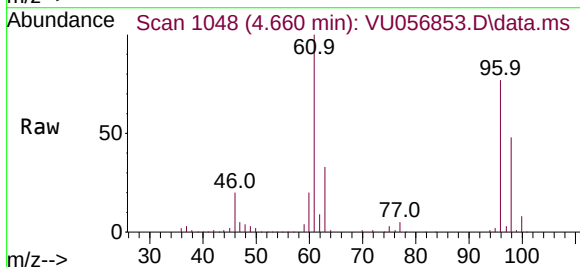
Instrument :
MSVOA_U
ClientSampleId :

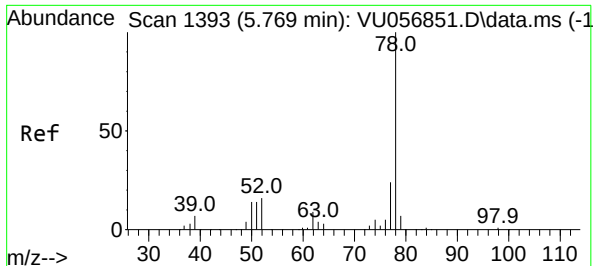
Tgt Ion: 96 Resp: 3491
Ion Ratio Lower Upper
96 100
61 133.7 101.8 189.0
98 59.8 43.0 79.8



#22
cis-1,2-Dichloroethene
Concen: 15.208 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU056853.D
Acq: 14 Dec 2023 22:37

Tgt Ion: 96 Resp: 322838
Ion Ratio Lower Upper
96 100
61 130.3 91.3 169.6
98 63.2 44.2 82.0

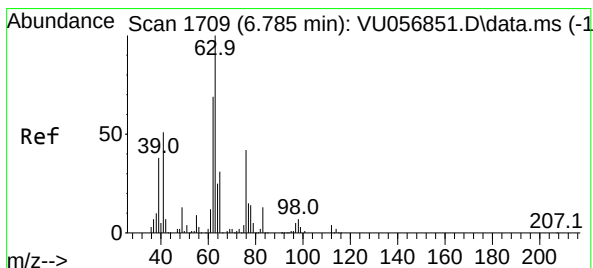
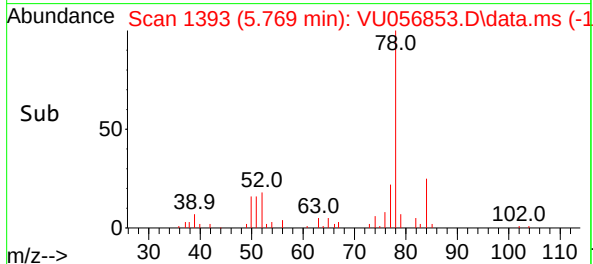
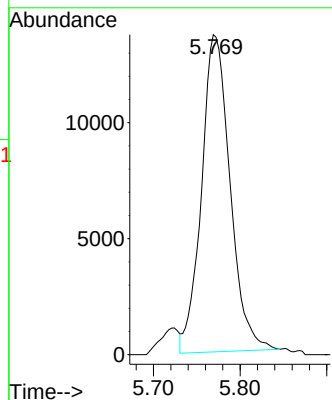
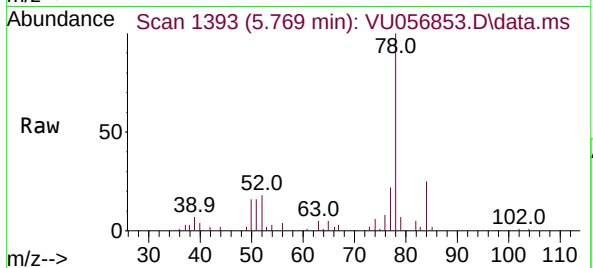




#33
Benzene
Concen: 0.372 ug/L
RT: 5.769 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU056853.D
Acq: 14 Dec 2023 22:37

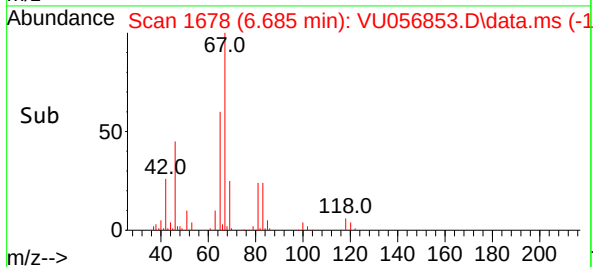
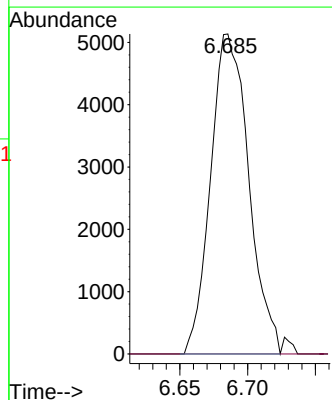
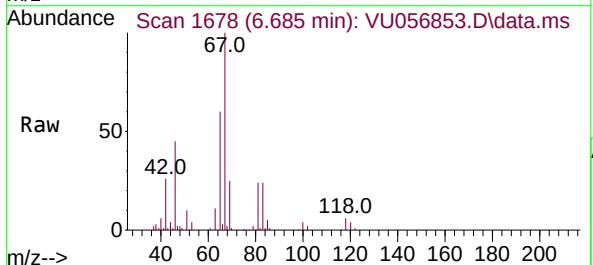
Instrument :
MSVOA_U
ClientSampleId :

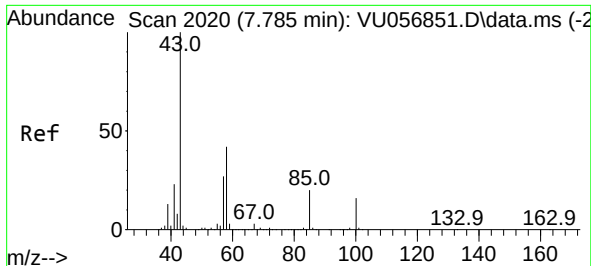
Tgt Ion: 78 Resp: 31333



#37
1,2-Dichloropropane
Concen: 0.465 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.100 min
Lab File: VU056853.D
Acq: 14 Dec 2023 22:37

Tgt Ion: 63 Resp: 10026
Ion Ratio Lower Upper
63 100
112 0.2 3.3 4.9#





#40

4-Methyl-2-pentanone

Concen: 7.914 ug/L

RT: 7.791 min Scan# 20

Delta R.T. 0.006 min

Lab File: VU056853.D

Acq: 14 Dec 2023 22:37

Instrument :

MSVOA_U

ClientSampleId :

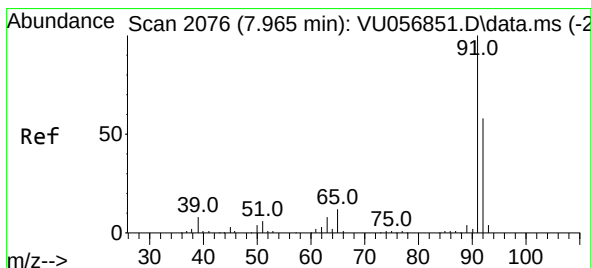
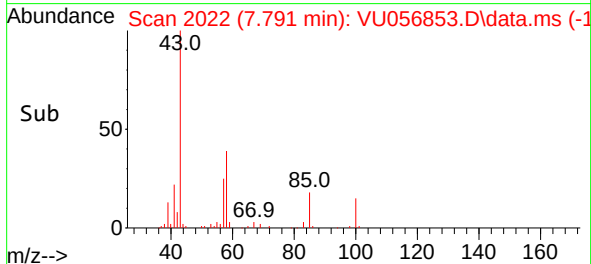
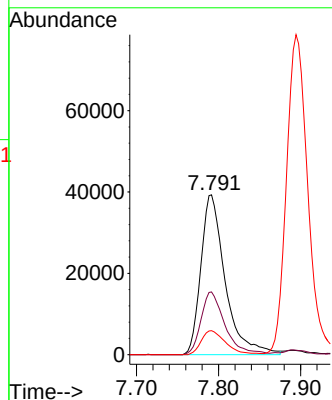
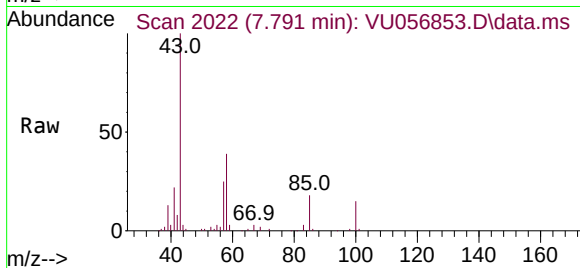
Tgt Ion: 43 Resp: 81020

Ion Ratio Lower Upper

43 100

58 38.7 33.7 50.5

100 15.3 13.0 19.4



#42

Toluene

Concen: 0.376 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU056853.D

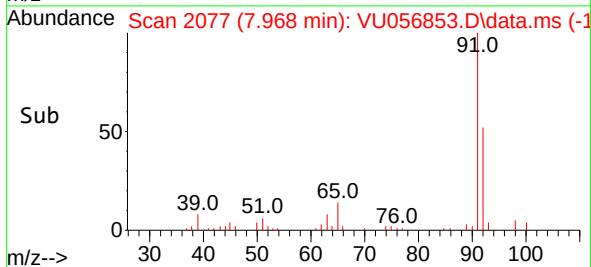
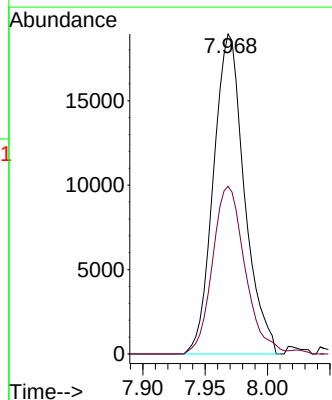
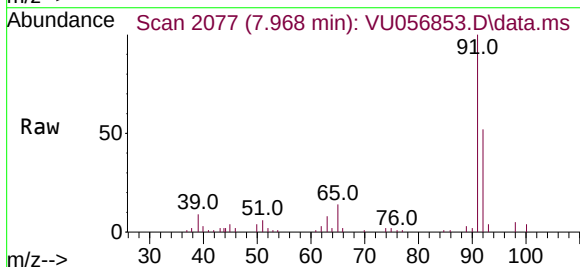
Acq: 14 Dec 2023 22:37

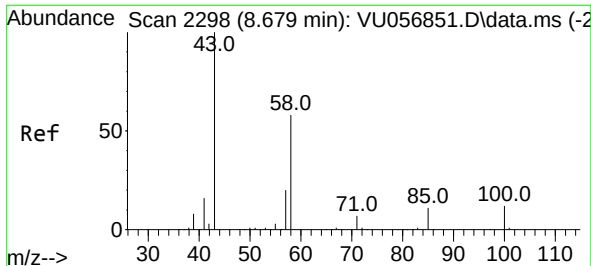
Tgt Ion: 91 Resp: 32751

Ion Ratio Lower Upper

91 100

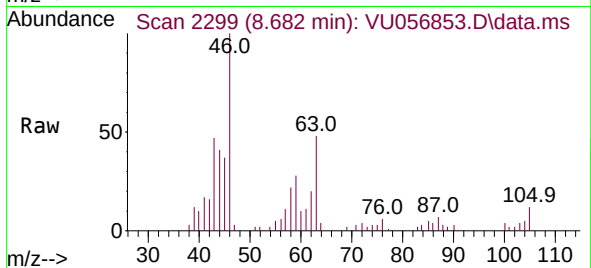
92 52.4 40.4 75.0



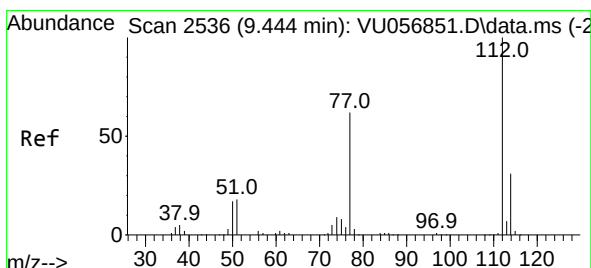
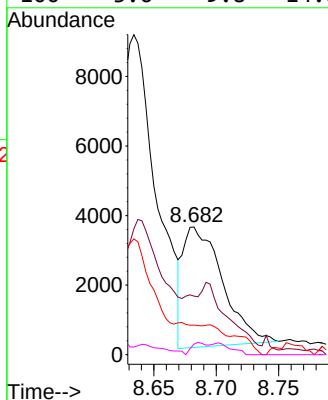
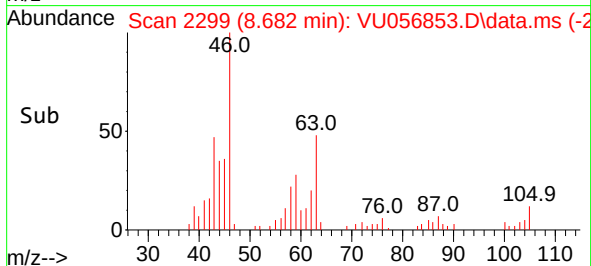


#48
2-Hexanone
Concen: 1.047 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.003 min
Lab File: VU056853.D
Acq: 14 Dec 2023 22:37

Instrument :
MSVOA_U
ClientSampleId :

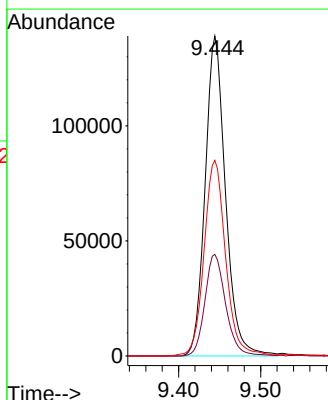
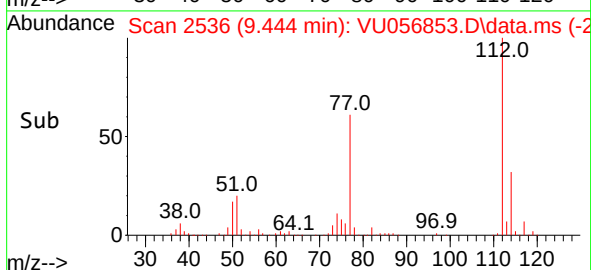
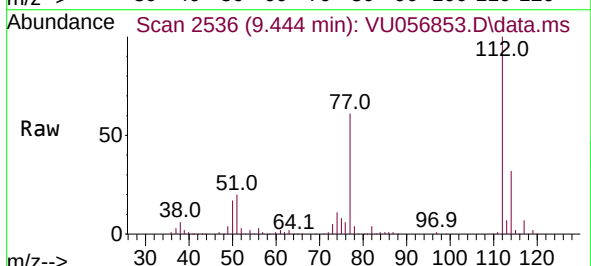


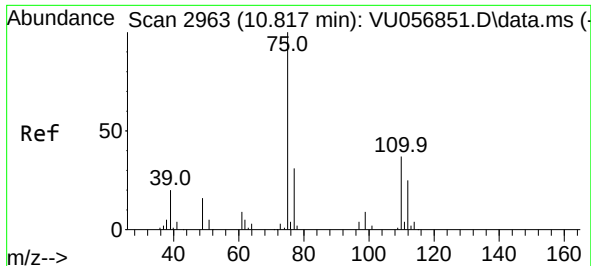
Tgt Ion:	43	Resp:	7631
Ion Ratio	Lower	Upper	
43	100		
58	34.2	47.5	71.3#
57	0.0	17.0	25.4#
100	3.6	9.8	14.8#



#51
Chlorobenzene
Concen: 4.324 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU056853.D
Acq: 14 Dec 2023 22:37

Tgt Ion:	112	Resp:	240349
Ion Ratio	Lower	Upper	
112	100		
114	31.8	21.9	40.7
77	61.2	51.6	77.4

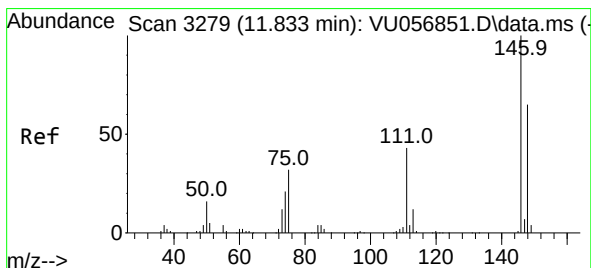
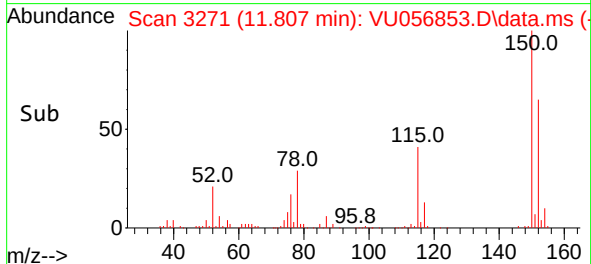
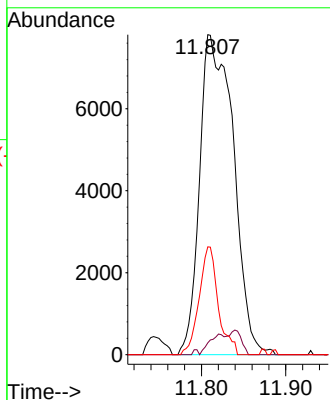
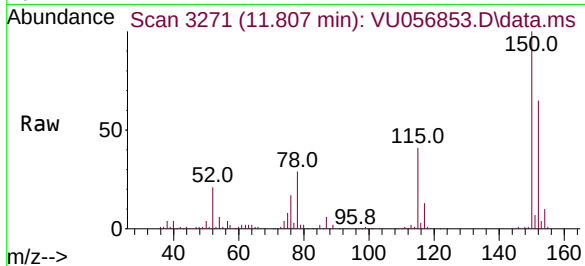




#61
1,2,3-Trichloropropane
Concen: 1.993 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU056853.D
Acq: 14 Dec 2023 22:37

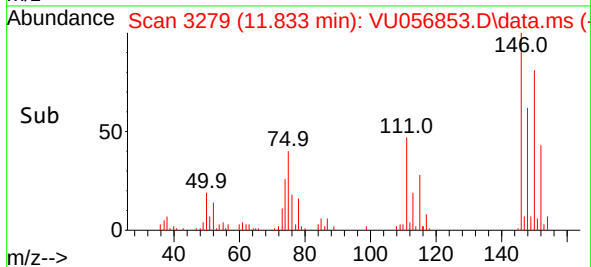
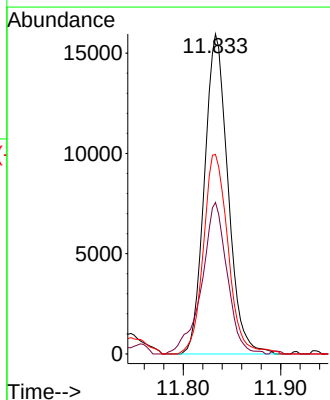
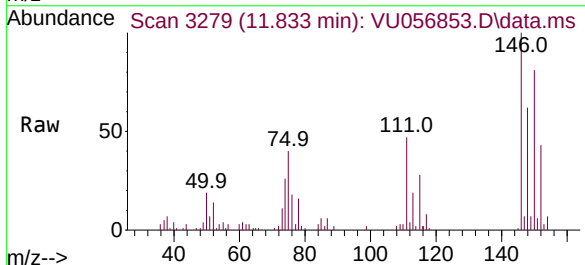
Instrument :
MSVOA_U
ClientSampleId :

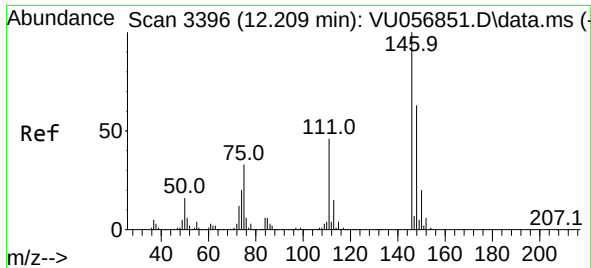
Tgt Ion: 75 Resp: 21720
Ion Ratio Lower Upper
75 100
110 2.8 28.4 42.6#
77 0.0 26.3 39.5#



#65
1,4-Dichlorobenzene
Concen: 0.717 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU056853.D
Acq: 14 Dec 2023 22:37

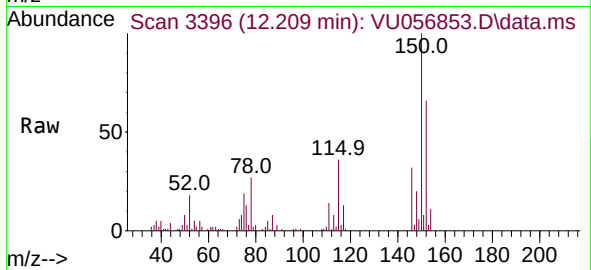
Tgt Ion:146 Resp: 26780
Ion Ratio Lower Upper
146 100
111 47.3 31.2 58.0
148 62.3 45.6 84.8





#67
 1,2-Dichlorobenzene
 Concen: 0.302 ug/L
 RT: 12.209 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU056853.D
 Acq: 14 Dec 2023 22:37

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	146	Resp:	10452
Ion Ratio	Lower	Upper	
146	100		
111	43.4	36.9	55.3
148	61.1	53.0	79.4

