

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
 Data File : VU056859.D
 Acq On : 15 Dec 2023 01:02
 Operator : MD/SY
 Sample : 05731-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 05:11:02 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)

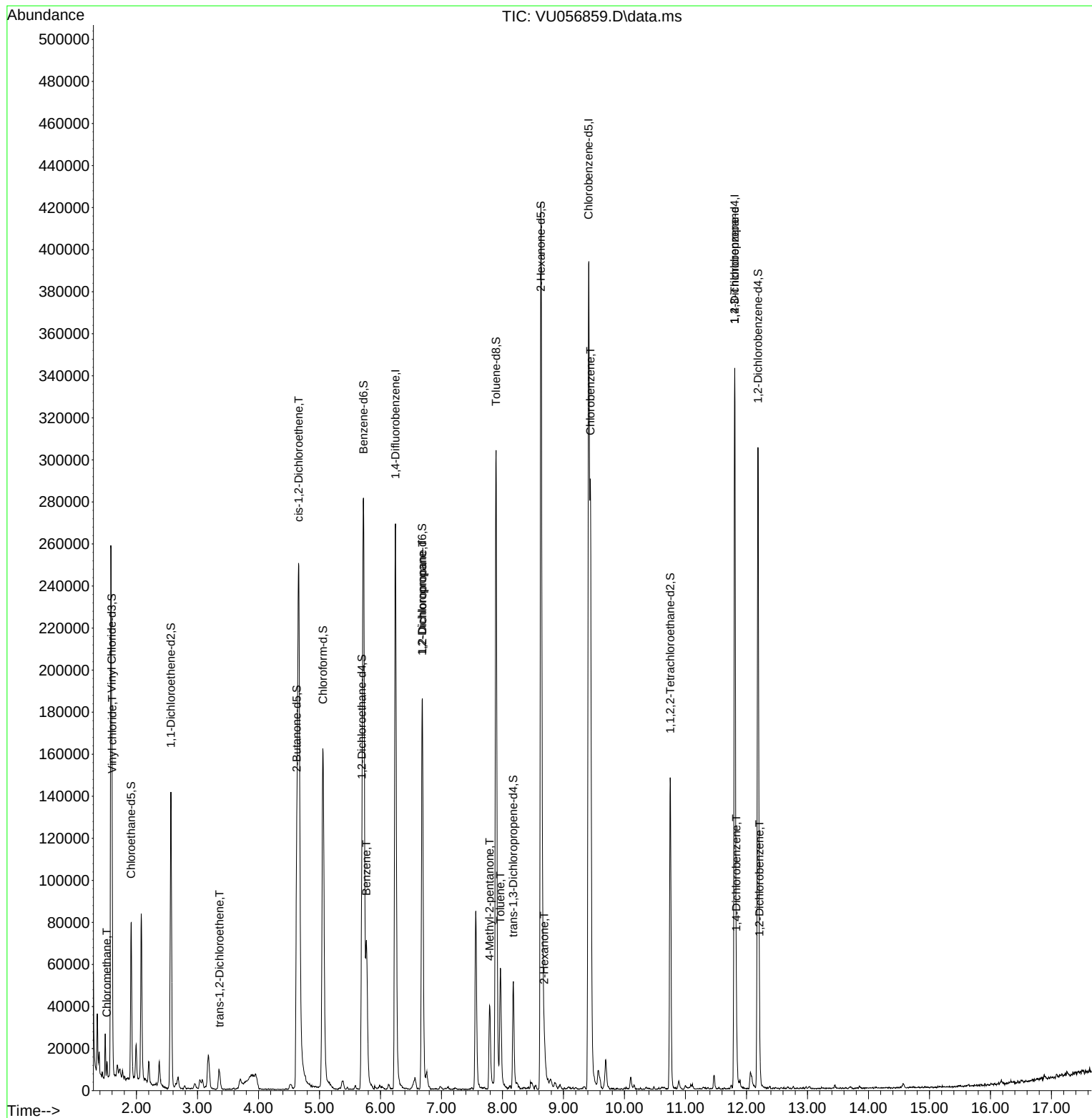
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	222445	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	224757	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	92500	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	59752	3.134	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.600%
7) Chloroethane-d5	1.911	69	56148	3.935	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.800%
11) 1,1-Dichloroethene-d2	2.563	65	27071	3.318	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.400%
20) 2-Butanone-d5	4.628	46	208867	55.469	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.940%
24) Chloroform-d	5.055	84	156595	4.337	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
26) 1,2-Dichloroethane-d4	5.695	65	78188	4.576	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
32) Benzene-d6	5.721	84	272135	3.904	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.000%
36) 1,2-Dichloropropane-d6	6.682	67	92994	4.262	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.200%
41) Toluene-d8	7.894	98	211507	3.395	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.800%#
43) trans-1,3-Dichloroprop...	8.177	79	30675	3.625	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.600%
46) 2-Hexanone-d5	8.631	63	147932	46.352	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.700%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	76164	4.824	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	81535	4.484	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.600%
Target Compounds						Qvalue
3) Chloromethane	1.515	50	5356	0.234	ug/L	99
5) Vinyl chloride	1.602	62	21058	0.925	ug/L #	82
18) trans-1,2-Dichloroethene	3.361	96	2580	0.141	ug/L #	66
22) cis-1,2-Dichloroethene	4.660	96	102695	5.155	ug/L	99
33) Benzene	5.769	78	66153	0.837	ug/L	100
37) 1,2-Dichloropropane	6.685	63	10400	0.515	ug/L #	89
40) 4-Methyl-2-pentanone	7.788	43	28802	3.002	ug/L	94
42) Toluene	7.965	91	43325	0.530	ug/L	100
48) 2-Hexanone	8.685	43	5709	0.835	ug/L #	88
51) Chlorobenzene	9.441	112	150342	2.886	ug/L	99
61) 1,2,3-Trichloropropane	11.807	75	13765	1.386	ug/L #	68
65) 1,4-Dichlorobenzene	11.833	146	7715	0.227	ug/L	87
67) 1,2-Dichlorobenzene	12.213	146	5119	0.163	ug/L	96

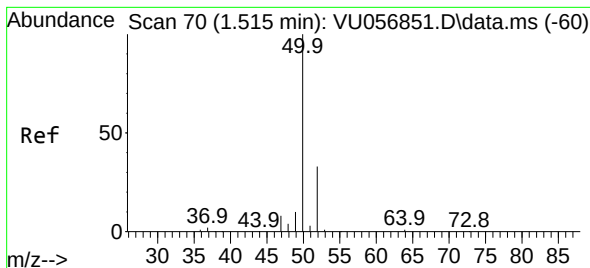
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.234 ug/L

RT: 1.515 min Scan# 70

Delta R.T. 0.000 min

Lab File: VU056859.D

Acq: 15 Dec 2023 01:02

Instrument :

MSVOA_U

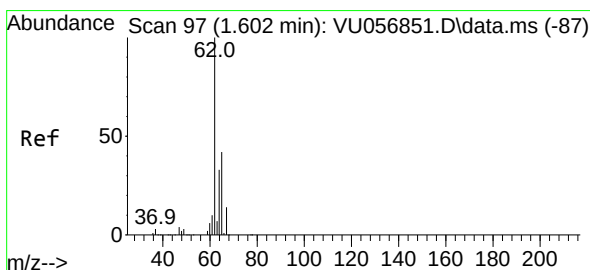
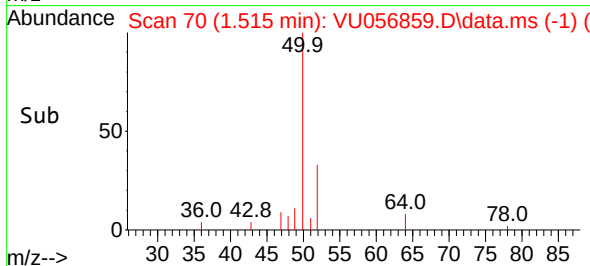
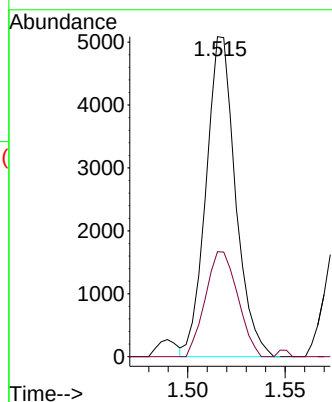
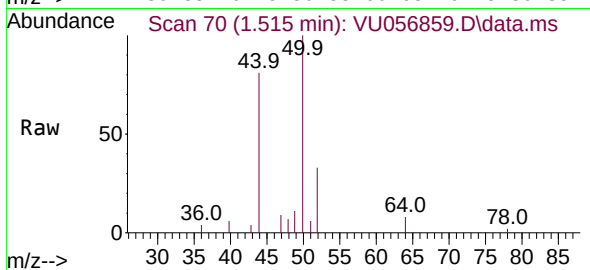
ClientSampleId :

Tgt Ion: 50 Resp: 5356

Ion Ratio Lower Upper

50 100

52 32.8 22.5 41.7



#5

Vinyl chloride

Concen: 0.925 ug/L

RT: 1.602 min Scan# 97

Delta R.T. 0.000 min

Lab File: VU056859.D

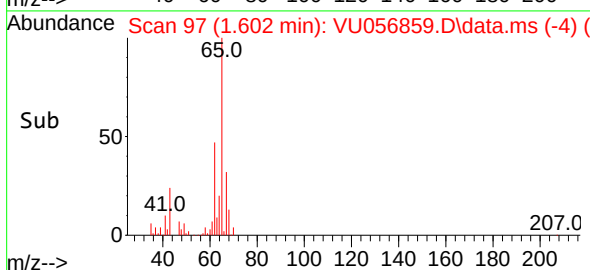
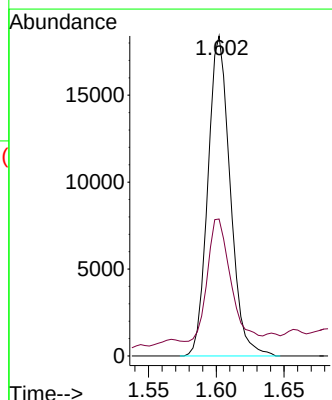
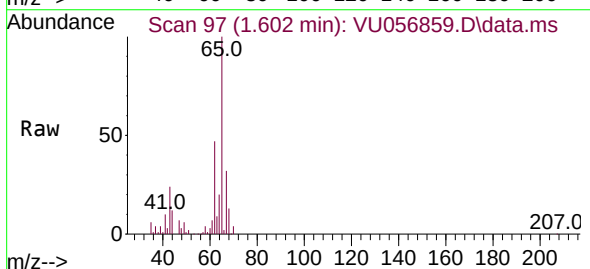
Acq: 15 Dec 2023 01:02

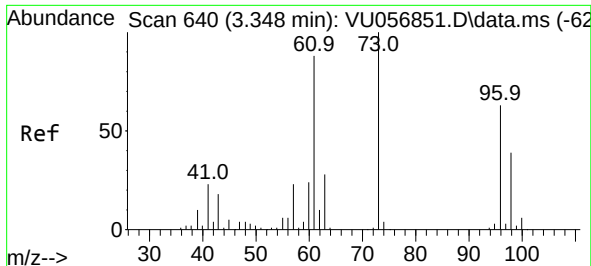
Tgt Ion: 62 Resp: 21058

Ion Ratio Lower Upper

62 100

64 42.8 22.8 42.4#

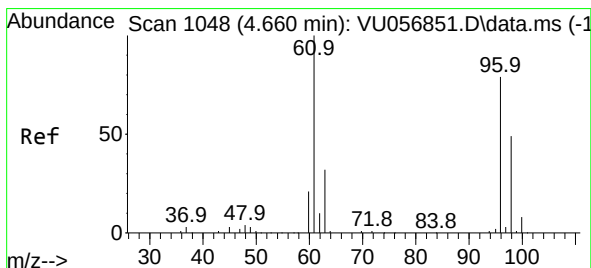
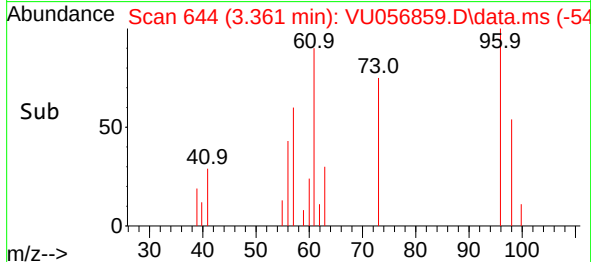
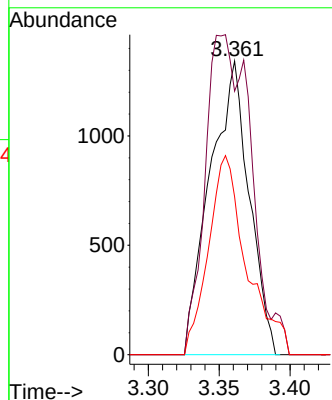
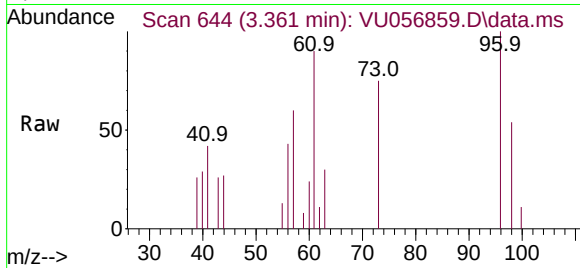




#18
trans-1,2-Dichloroethene
Concen: 0.141 ug/L
RT: 3.361 min Scan# 64
Delta R.T. 0.013 min
Lab File: VU056859.D
Acq: 15 Dec 2023 01:02

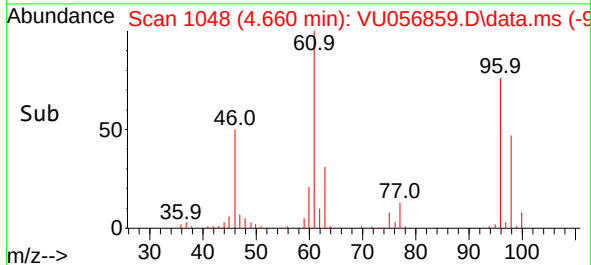
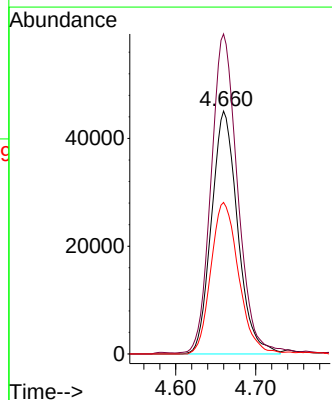
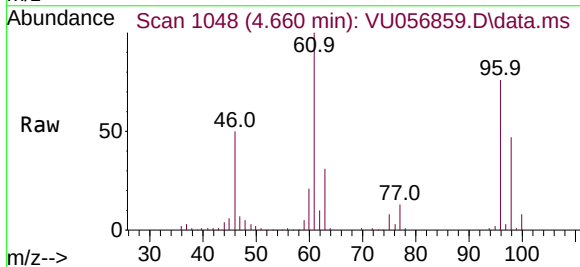
Instrument :
MSVOA_U
ClientSampleId :

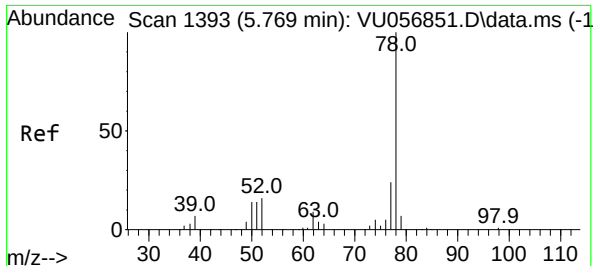
Tgt Ion: 96 Resp: 2580
Ion Ratio Lower Upper
96 100
61 89.8 101.8 189.0#
98 53.8 43.0 79.8



#22
cis-1,2-Dichloroethene
Concen: 5.155 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.000 min
Lab File: VU056859.D
Acq: 15 Dec 2023 01:02

Tgt Ion: 96 Resp: 102695
Ion Ratio Lower Upper
96 100
61 131.7 91.3 169.6
98 62.4 44.2 82.0

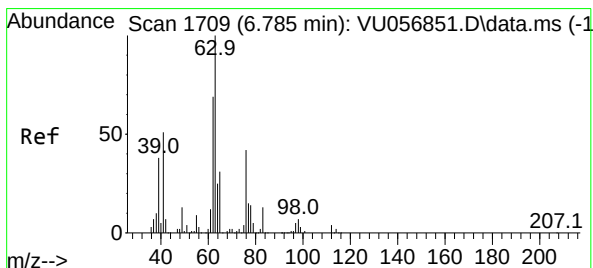
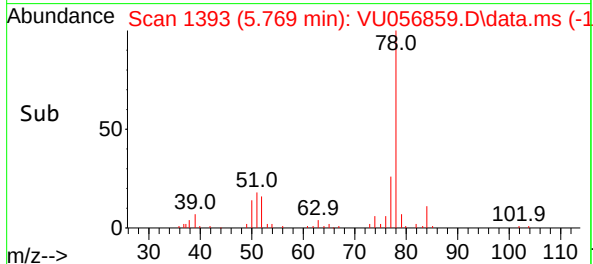
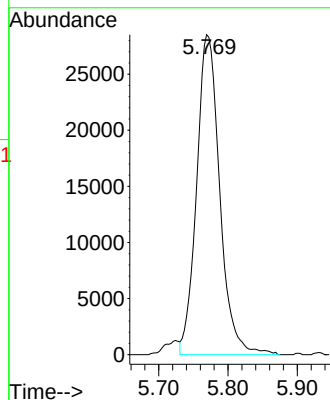
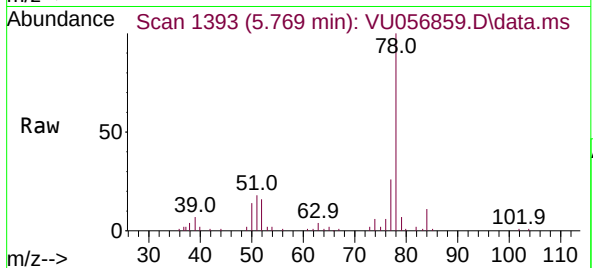




#33
Benzene
Concen: 0.837 ug/L
RT: 5.769 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU056859.D
Acq: 15 Dec 2023 01:02

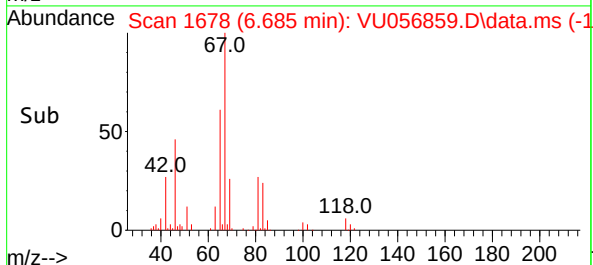
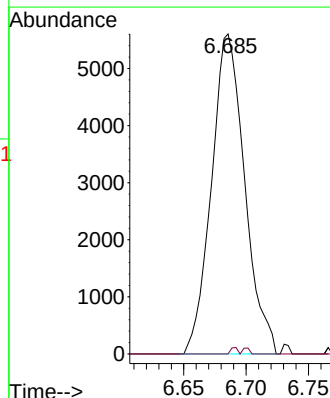
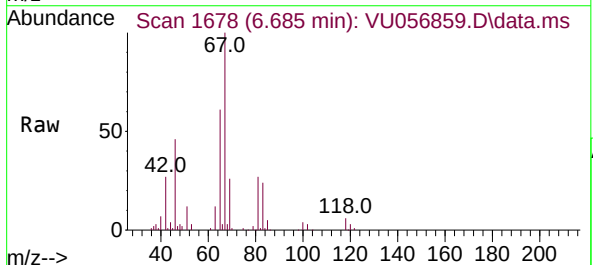
Instrument :
MSVOA_U
ClientSampleId :

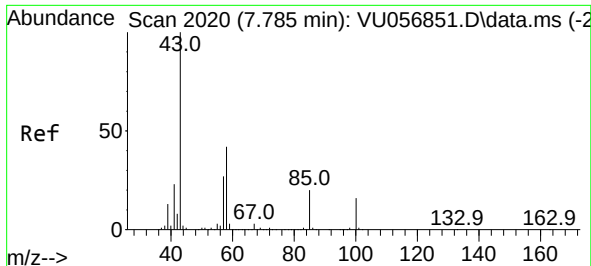
Tgt Ion: 78 Resp: 66153



#37
1,2-Dichloropropane
Concen: 0.515 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.100 min
Lab File: VU056859.D
Acq: 15 Dec 2023 01:02

Tgt Ion: 63 Resp: 10400
Ion Ratio Lower Upper
63 100
112 0.4 3.3 4.9#





#40

4-Methyl-2-pentanone

Concen: 3.002 ug/L

RT: 7.788 min Scan# 2020

Delta R.T. 0.003 min

Lab File: VU056859.D

Acq: 15 Dec 2023 01:02

Instrument :

MSVOA_U

ClientSampleId :

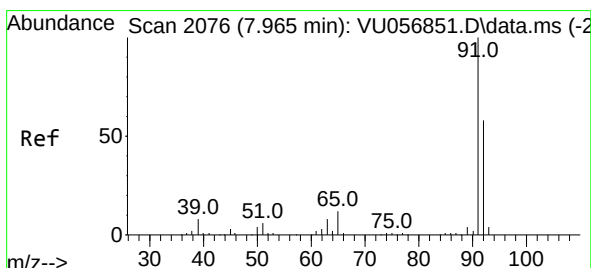
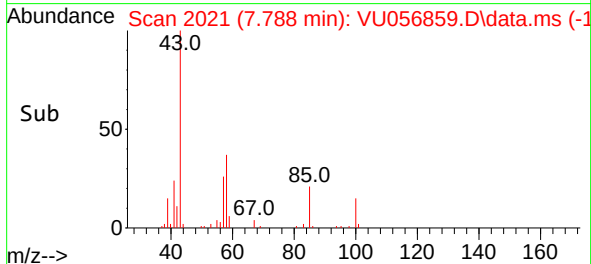
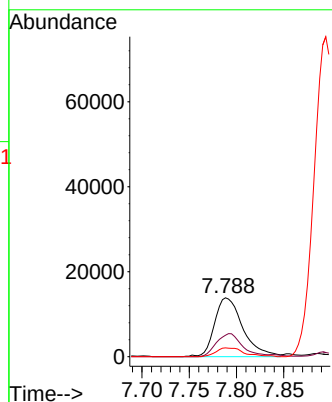
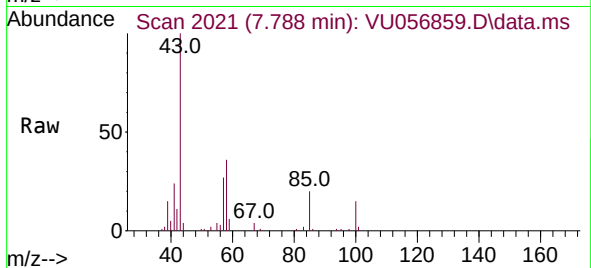
Tgt Ion: 43 Resp: 28802

Ion Ratio Lower Upper

43 100

58 37.6 33.7 50.5

100 14.8 13.0 19.4



#42

Toluene

Concen: 0.530 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056859.D

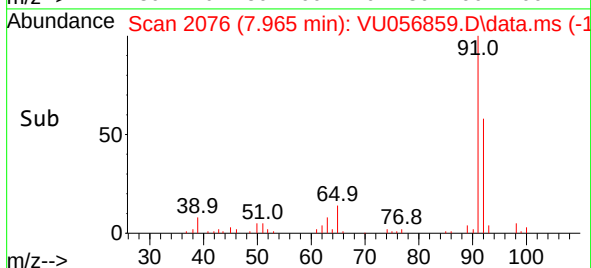
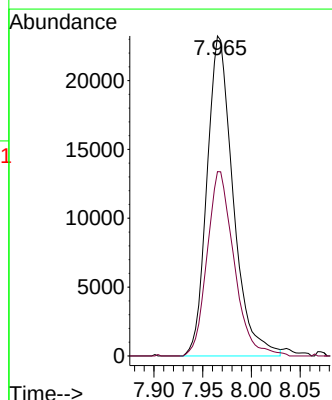
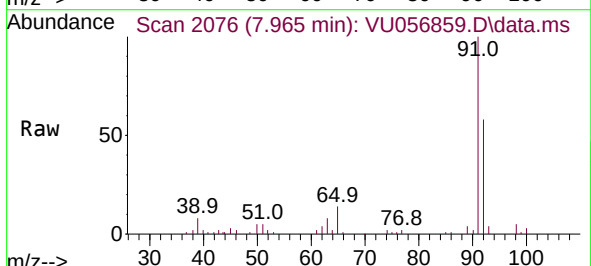
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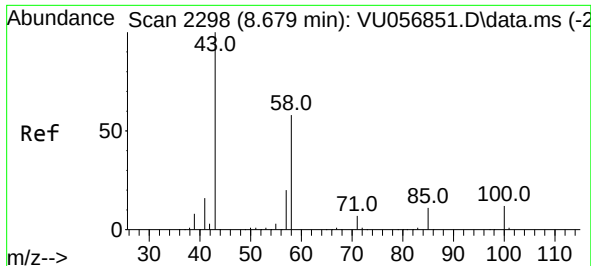
Tgt Ion: 91 Resp: 43325

Ion Ratio Lower Upper

91 100

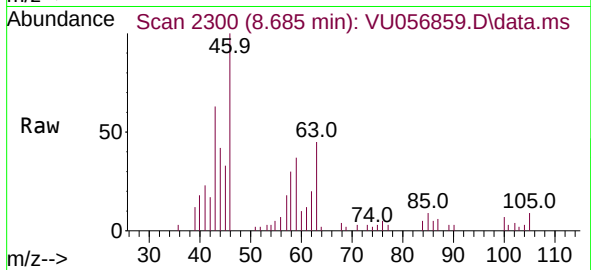
92 57.6 40.4 75.0



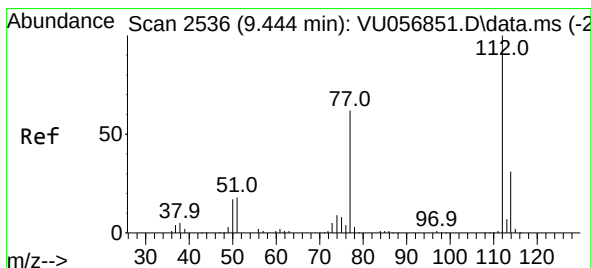
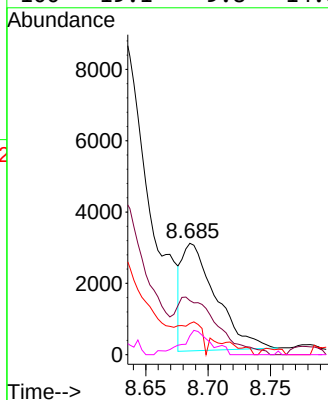
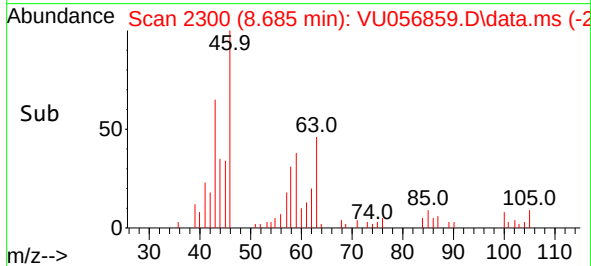


#48
2-Hexanone
Concen: 0.835 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU056859.D
Acq: 15 Dec 2023 01:02

Instrument :
MSVOA_U
ClientSampleId :

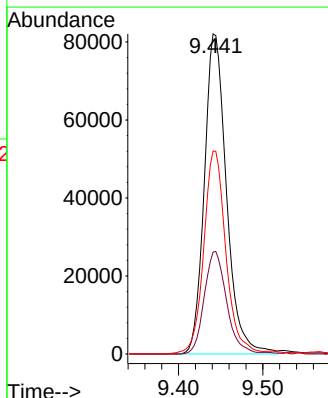
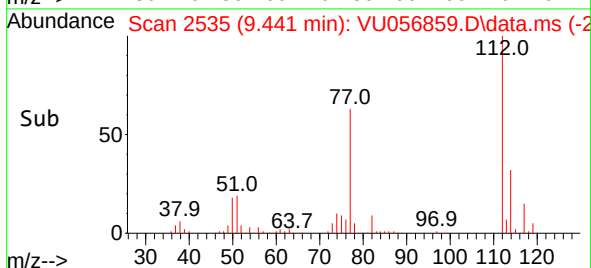
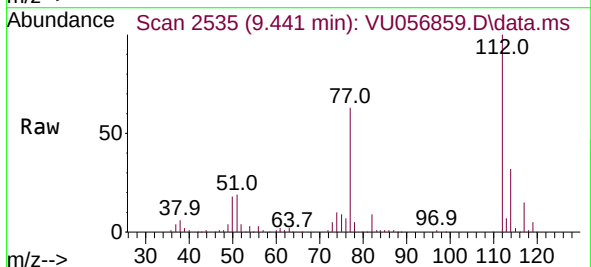


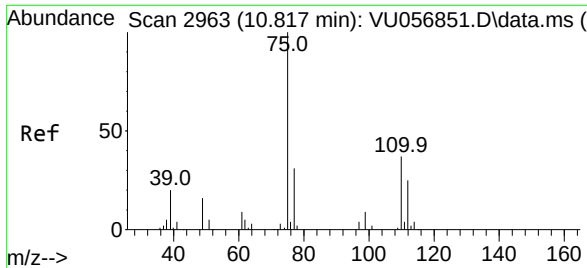
Tgt Ion: 43 Resp: 5709
Ion Ratio Lower Upper
43 100
58 65.2 47.5 71.3
57 11.4 17.0 25.4#
100 19.1 9.8 14.8#



#51
Chlorobenzene
Concen: 2.886 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.003 min
Lab File: VU056859.D
Acq: 15 Dec 2023 01:02

Tgt Ion: 112 Resp: 150342
Ion Ratio Lower Upper
112 100
114 31.8 21.9 40.7
77 63.4 51.6 77.4

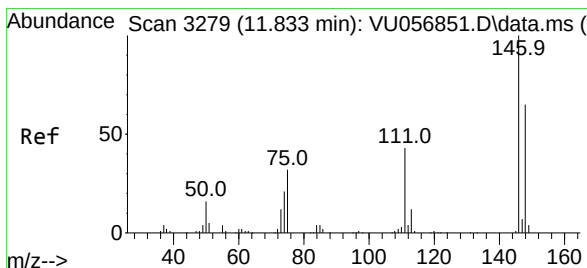
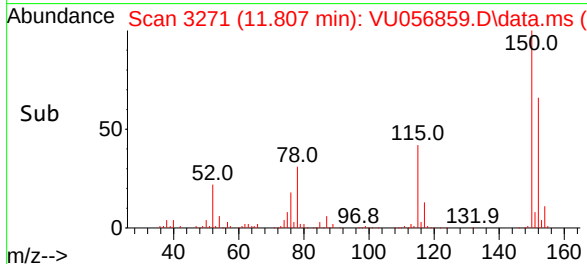
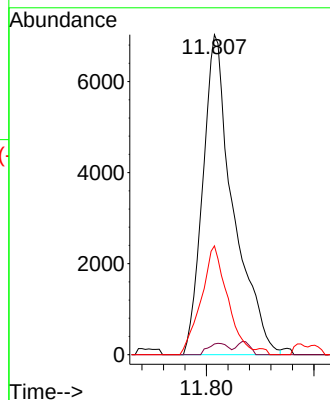
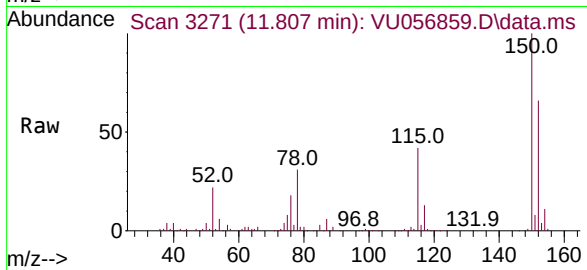




#61
1,2,3-Trichloropropane
Concen: 1.386 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU056859.D
Acq: 15 Dec 2023 01:02

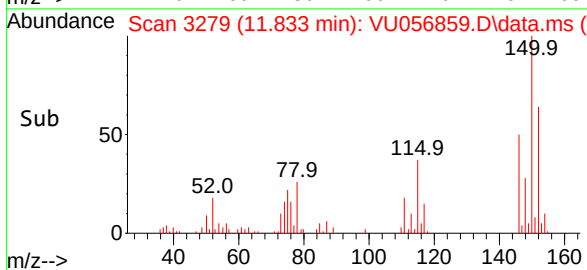
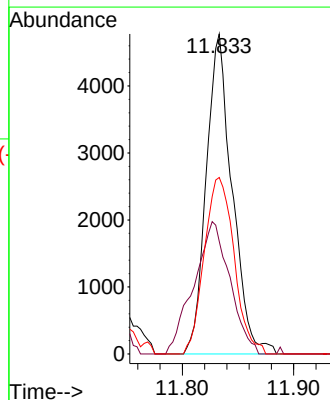
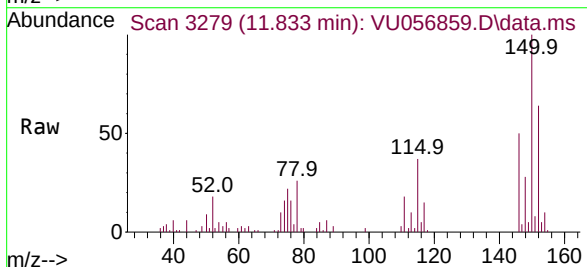
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MSVOA_U
ClientSampleId :

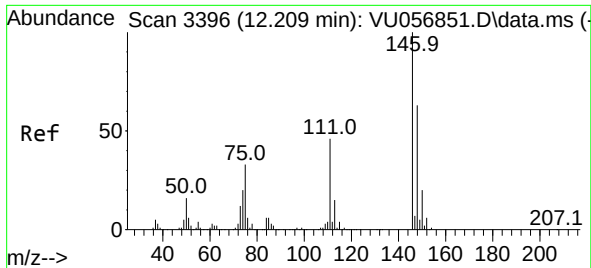
Tgt Ion: 75 Resp: 13765
Ion Ratio Lower Upper
75 100
110 2.3 28.4 42.6#
77 29.7 26.3 39.5



#65
1,4-Dichlorobenzene
Concen: 0.227 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU056859.D
Acq: 15 Dec 2023 01:02

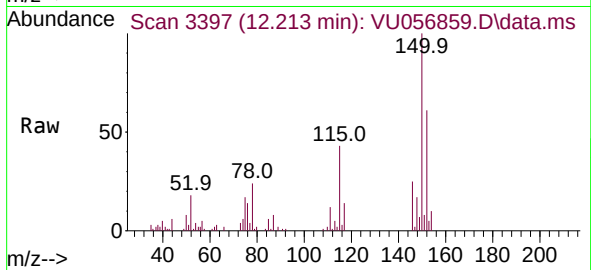
Tgt Ion:146 Resp: 7715
Ion Ratio Lower Upper
146 100
111 35.2 31.2 58.0
148 55.2 45.6 84.8





#67
 1,2-Dichlorobenzene
 Concen: 0.163 ug/L
 RT: 12.213 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU056859.D
 Acq: 15 Dec 2023 01:02

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	146	Resp:	5119
Ion	Ratio	Lower	Upper
146	100		
111	49.1	36.9	55.3
148	69.7	53.0	79.4

