

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122223\
 Data File : VU057196.D
 Acq On : 22 Dec 2023 17:45
 Operator : MD/SY
 Sample : 05894-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 22 22:50:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 22 22:46:58 2023
 Response via : Initial Calibration

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

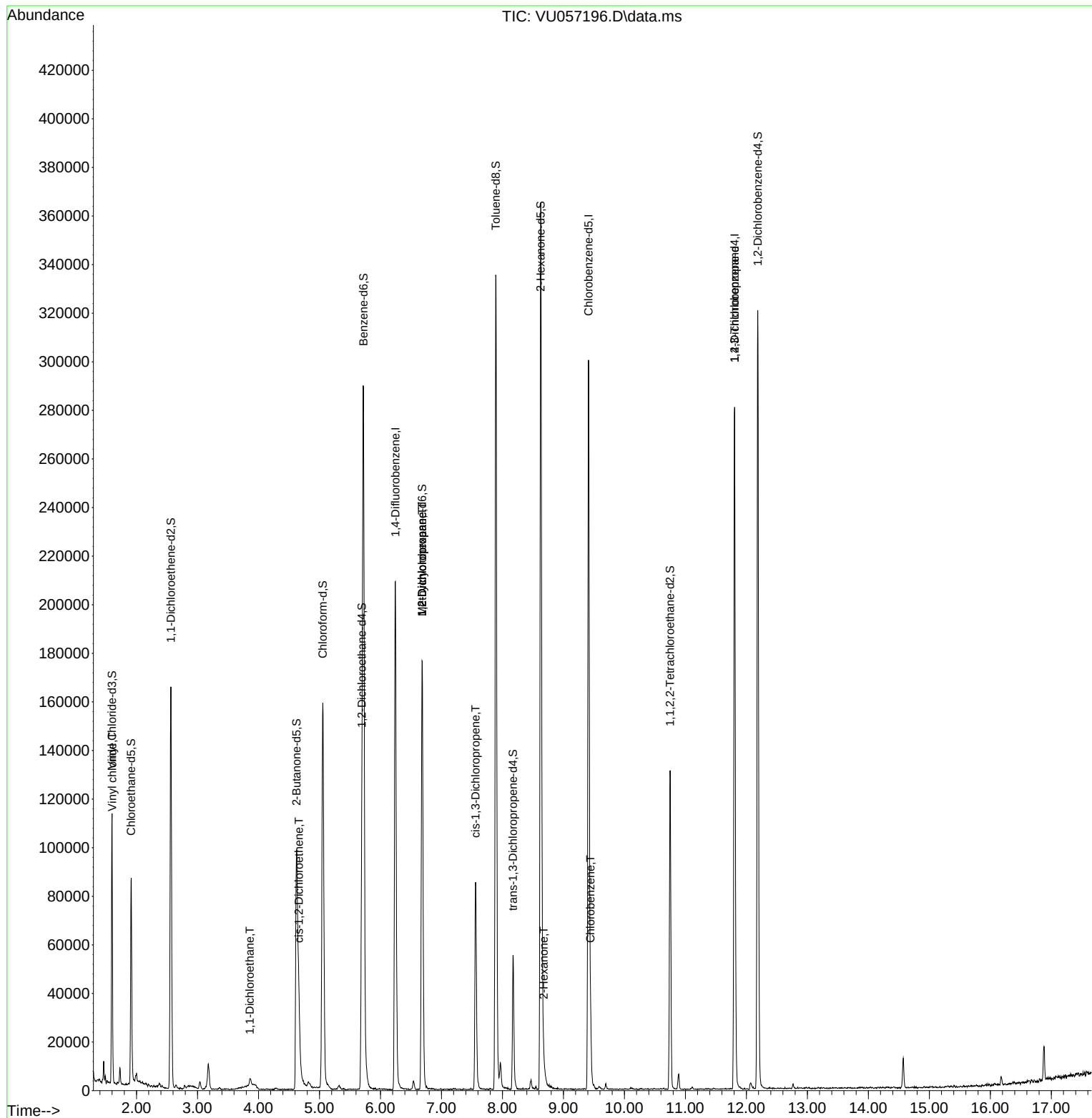
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	169136	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	167918	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	76471	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	71060	4.396	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.000%
7) Chloroethane-d5	1.910	69	62979	4.733	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.600%
11) 1,1-Dichloroethene-d2	2.563	65	31945	4.561	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.200%
20) 2-Butanone-d5	4.624	46	148097	58.347	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.700%
24) Chloroform-d	5.055	84	153565	4.919	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
26) 1,2-Dichloroethane-d4	5.695	65	76279	5.127	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.600%
32) Benzene-d6	5.721	84	276761	4.805	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.682	67	85157	5.196	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.000%
41) Toluene-d8	7.891	98	231844	4.409	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	8.174	79	32457	4.757	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.200%
46) 2-Hexanone-d5	8.627	63	123339	53.097	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.200%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	62864	5.390	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	83674	5.085	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.600%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	2791	0.189	ug/L #	34
19) 1,1-Dichloroethane	3.859	63	3749	0.153	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	10515	0.774	ug/L	91
35) Methylcyclohexane	6.682	83	20661	1.008	ug/L #	19
37) 1,2-Dichloropropane	6.682	63	9200	0.695	ug/L #	88
39) cis-1,3-Dichloropropene	7.560	75	2399	0.120	ug/L #	63
48) 2-Hexanone	8.675	43	3284	0.775	ug/L #	43
51) Chlorobenzene	9.444	112	16184	0.441	ug/L	98
61) 1,2,3-Trichloropropane	11.807	75	9139	1.283	ug/L #	62

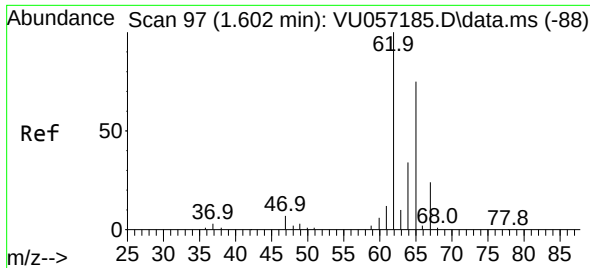
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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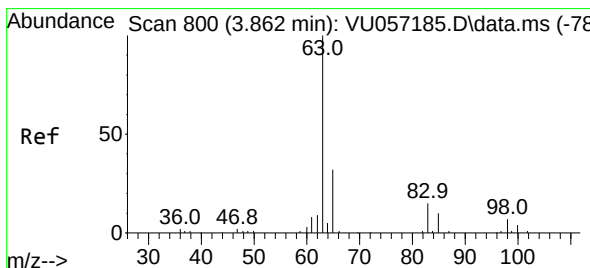
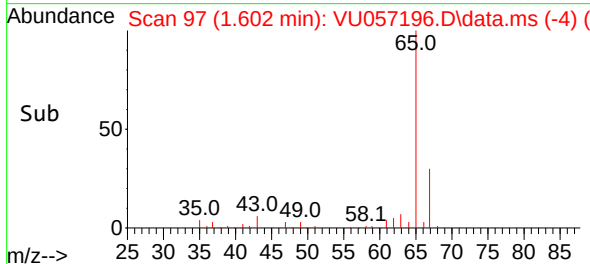
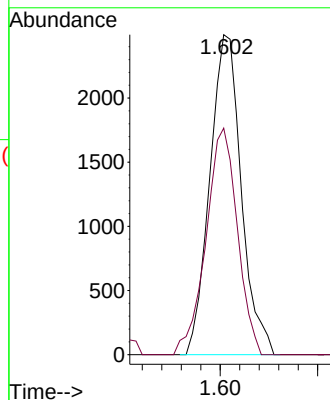
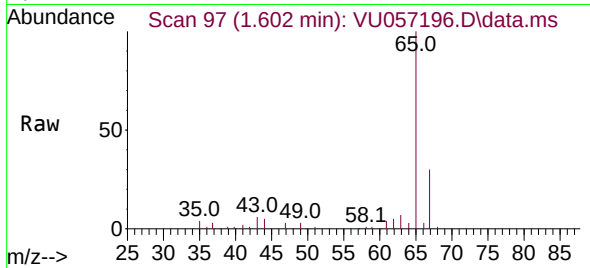




#5
 Vinyl chloride
 Concen: 0.189 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU057196.D
 Acq: 22 Dec 2023 17:45

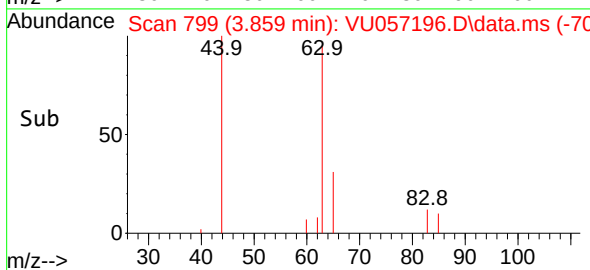
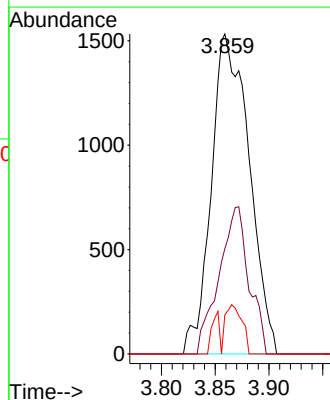
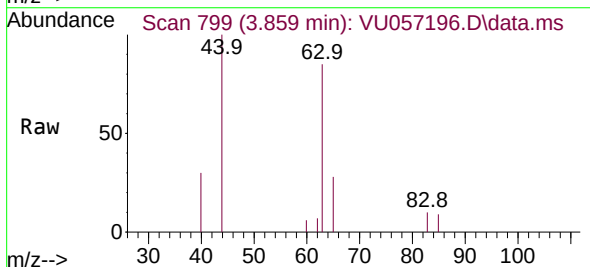
Instrument :
 MSVOA_U
 ClientSampleId :

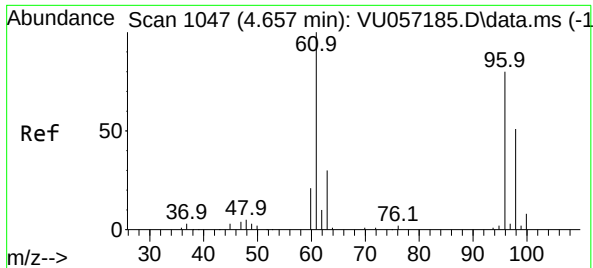
Tgt Ion: 62 Resp: 2791
 Ion Ratio Lower Upper
 62 100
 64 70.8 23.3 43.3#



#19
 1,1-Dichloroethane
 Concen: 0.153 ug/L
 RT: 3.859 min Scan# 799
 Delta R.T. -0.003 min
 Lab File: VU057196.D
 Acq: 22 Dec 2023 17:45

Tgt Ion: 63 Resp: 3749
 Ion Ratio Lower Upper
 63 100
 65 32.9 21.6 40.2
 83 12.3 10.2 19.0





#22

cis-1,2-Dichloroethene

Concen: 0.774 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.006 min

Lab File: VU057196.D

Acq: 22 Dec 2023 17:45

Instrument :

MSVOA_U

ClientSampleId :

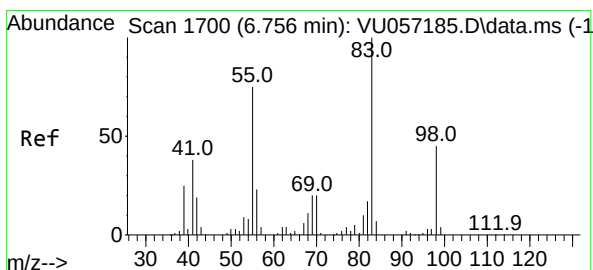
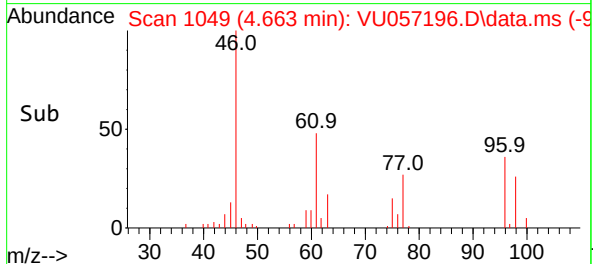
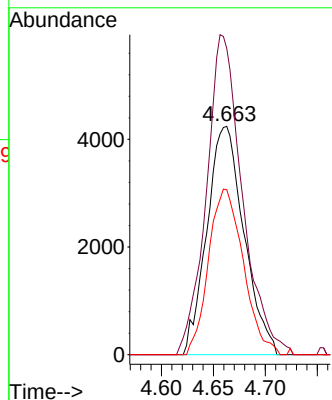
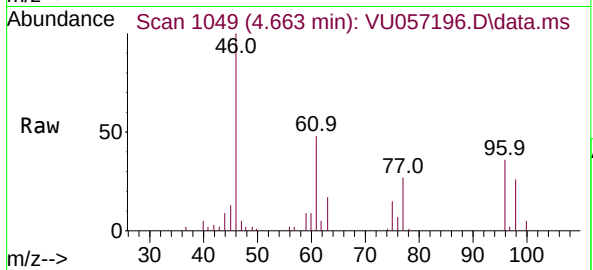
Tgt Ion: 96 Resp: 10515

Ion Ratio Lower Upper

96 100

61 134.1 86.8 161.2

98 72.3 45.5 84.5



#35

Methylcyclohexane

Concen: 1.008 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.074 min

Lab File: VU057196.D

Acq: 22 Dec 2023 17:45

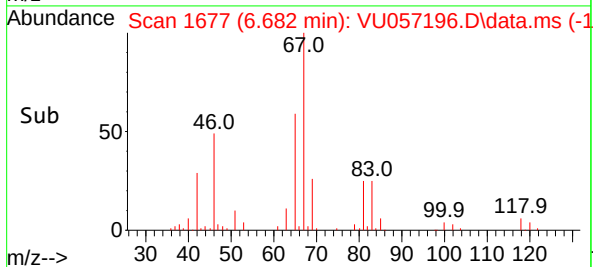
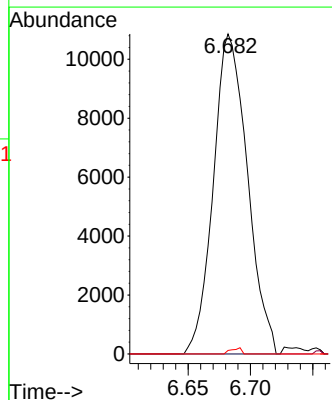
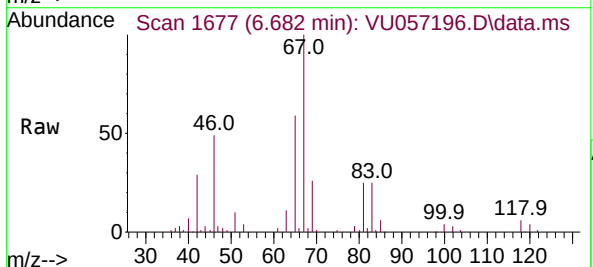
Tgt Ion: 83 Resp: 20661

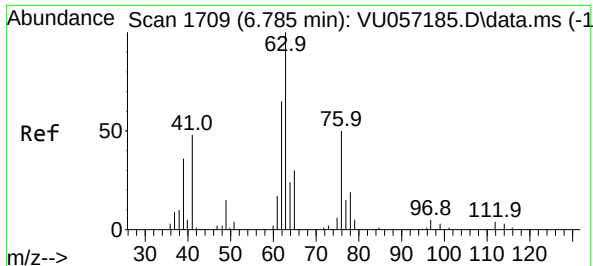
Ion Ratio Lower Upper

83 100

55 0.2 61.3 91.9#

98 0.6 36.6 55.0#

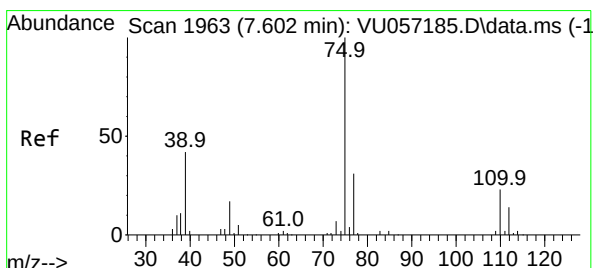
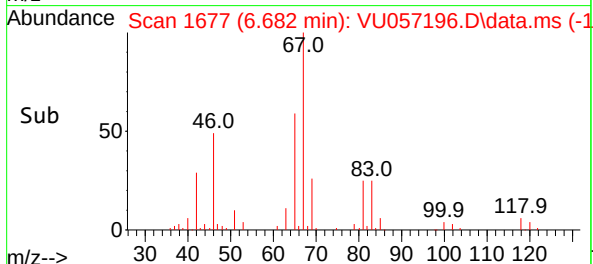
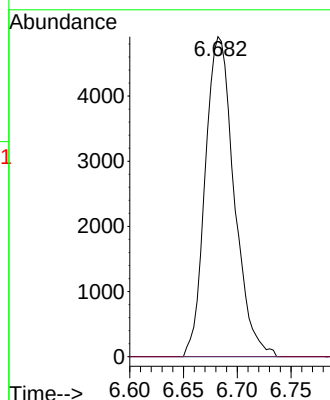
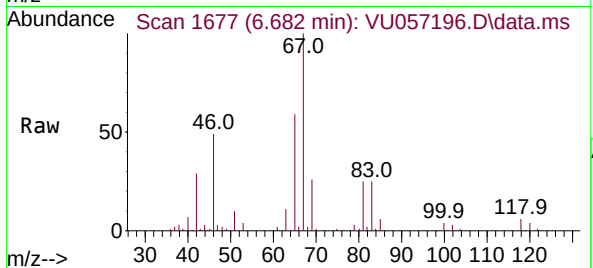




#37
1,2-Dichloropropane
Concen: 0.695 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU057196.D
Acq: 22 Dec 2023 17:45

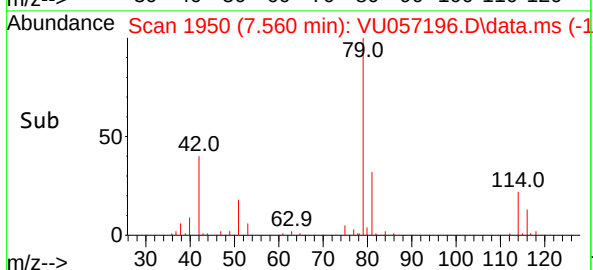
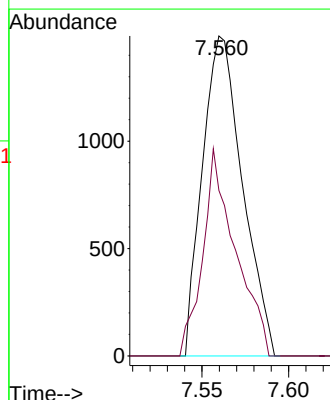
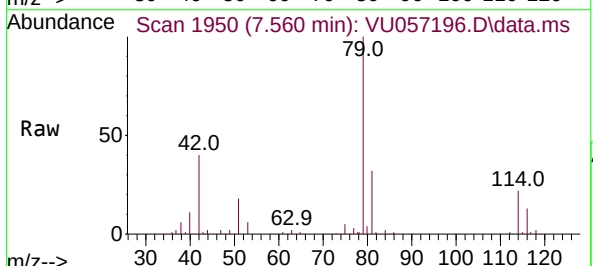
Instrument :
MSVOA_U
ClientSampleId :

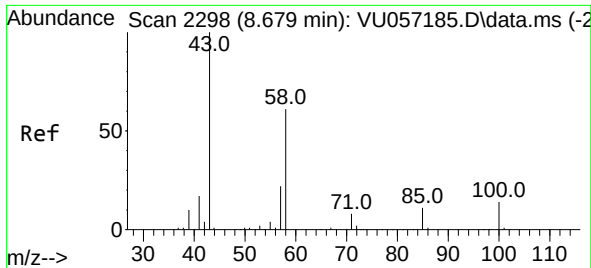
Tgt Ion: 63 Resp: 9200
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



#39
cis-1,3-Dichloropropene
Concen: 0.120 ug/L
RT: 7.560 min Scan# 1950
Delta R.T. -0.042 min
Lab File: VU057196.D
Acq: 22 Dec 2023 17:45

Tgt Ion: 75 Resp: 2399
Ion Ratio Lower Upper
75 100
77 51.7 21.8 40.4#

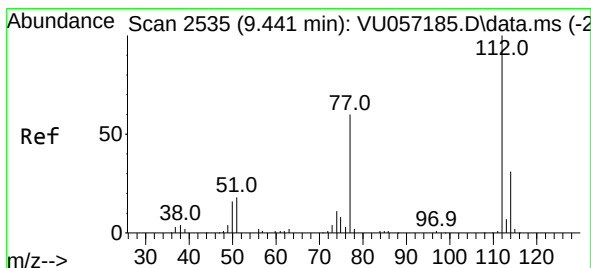
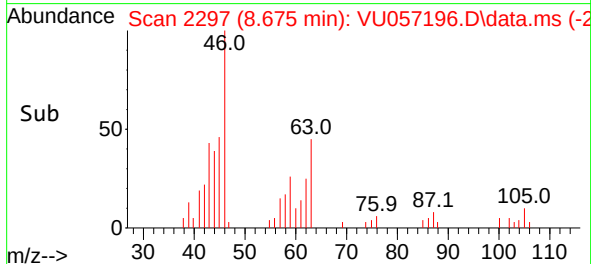
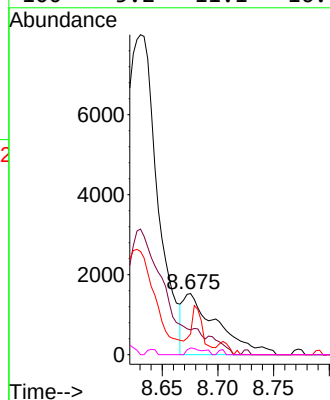
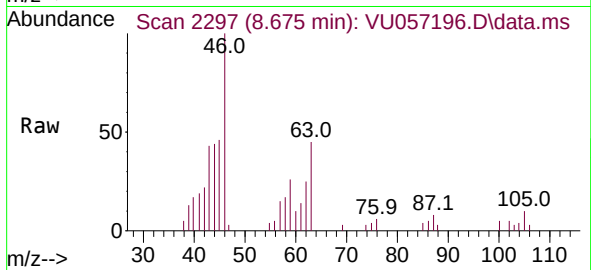




#48
2-Hexanone
Concen: 0.775 ug/L
RT: 8.675 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057196.D
Acq: 22 Dec 2023 17:45

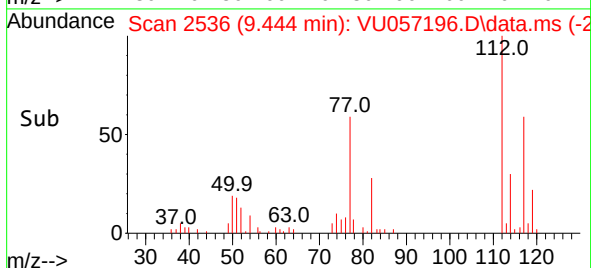
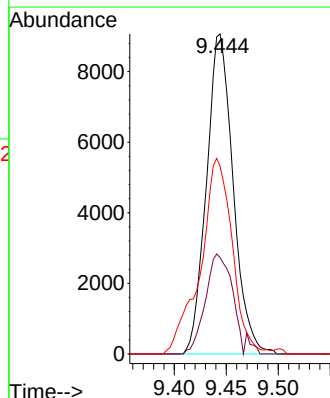
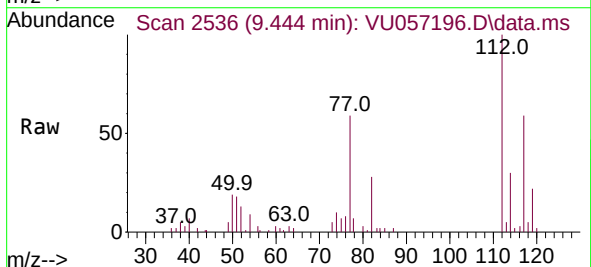
Instrument :
MSVOA_U
ClientSampleId :

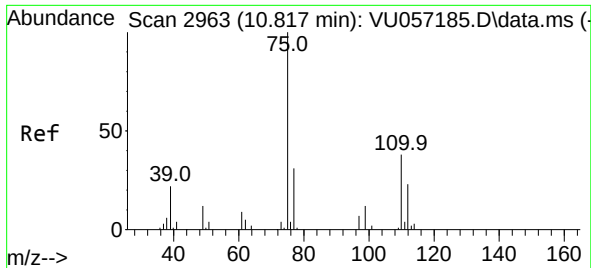
Tgt Ion: 43	Resp:	3284
Ion Ratio	Lower	Upper
43	100	
58	0.0	49.8 74.8#
57	29.3	18.5 27.7#
100	5.2	11.1 16.7#



#51
Chlorobenzene
Concen: 0.441 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU057196.D
Acq: 22 Dec 2023 17:45

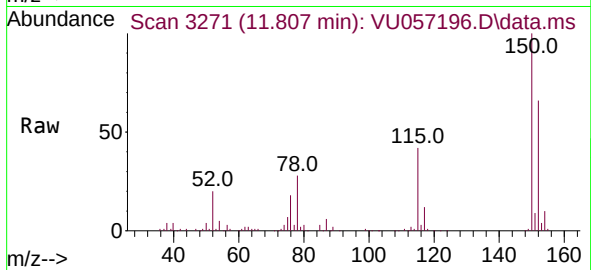
Tgt Ion: 112	Resp:	16184
Ion Ratio	Lower	Upper
112	100	
114	30.2	22.7 42.1
77	65.8	52.2 78.2





#61
1,2,3-Trichloropropane
Concen: 1.283 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU057196.D
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Instrument :
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ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.8	31.2	46.8#
77	36.2	25.5	38.3

