

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092024\
 Data File : VU060943.D
 Acq On : 20 Sep 2024 15:15
 Operator : MD/SY
 Sample : P3987-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH8Q6

Quant Time: Sep 21 01:41:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 21 01:39:49 2024
 Response via : Initial Calibration

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

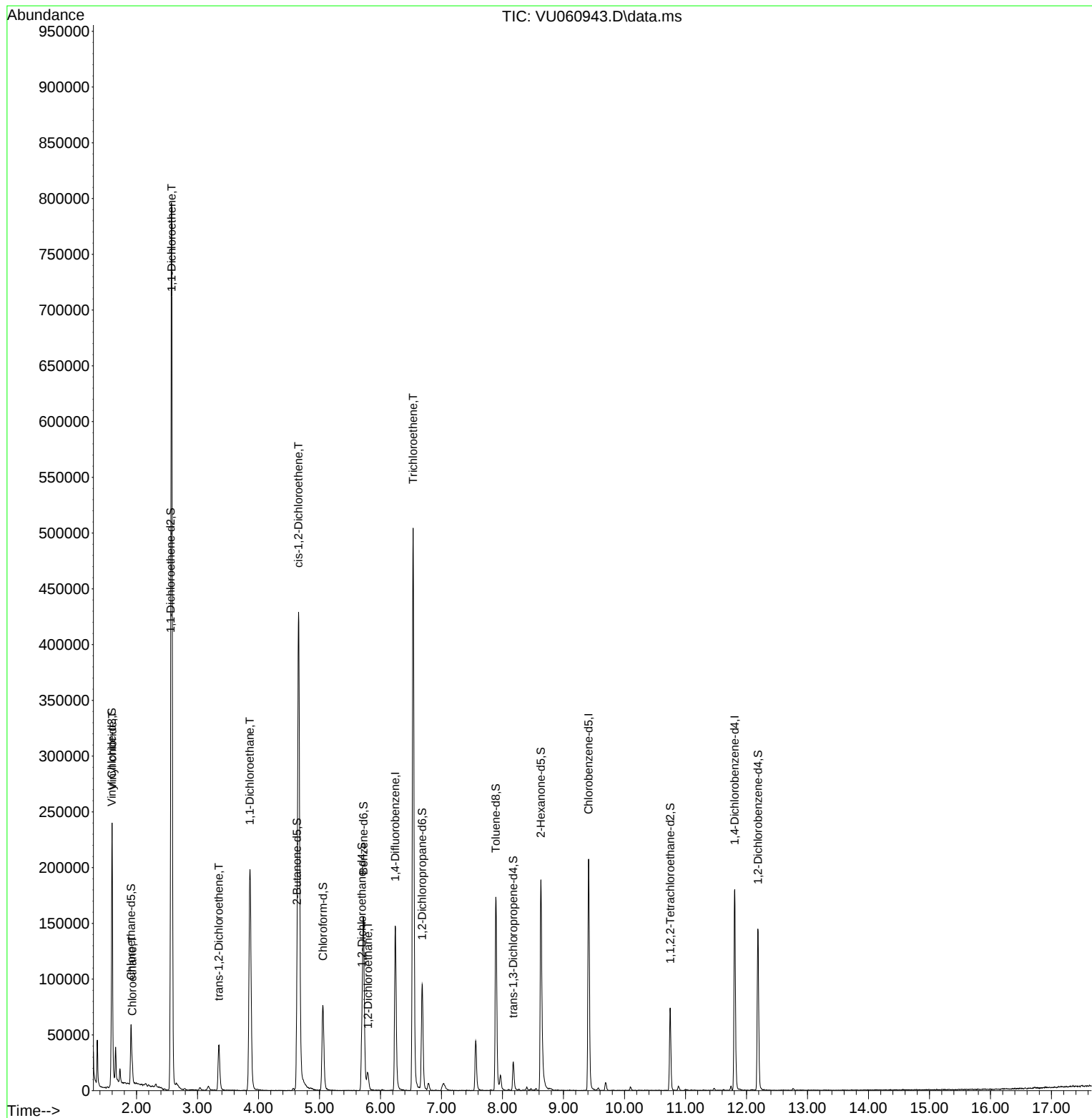
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	122225	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	125789	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	51736	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	51192	4.657	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.200%
7) Chloroethane-d5	1.911	69	37251	4.759	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.200%
11) 1,1-Dichloroethene-d2	2.560	65	17472	4.484	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.600%
20) 2-Butanone-d5	4.631	46	85845	48.642	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.280%
24) Chloroform-d	5.055	84	74998	4.463	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	5.695	65	39178	4.877	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.721	84	149172	4.425	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	6.682	67	50275	4.820	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.891	98	129455	4.212	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
43) trans-1,3-Dichloroprop...	8.177	79	17238	4.591	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.800%
46) 2-Hexanone-d5	8.627	63	69007	46.589	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.180%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	38200	4.674	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	41467	4.770	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	117760	11.164	ug/L	95
8) Chloroethane	1.930	64	10866	1.686	ug/L	90
12) 1,1-Dichloroethene	2.576	96	265086	34.479	ug/L #	71
18) trans-1,2-Dichloroethene	3.351	96	16796	2.108	ug/L	92
19) 1,1-Dichloroethane	3.859	63	234100	14.636	ug/L	99
22) cis-1,2-Dichloroethene	4.657	96	225106	25.531	ug/L	99
27) 1,2-Dichloroethane	5.795	62	12954	1.340	ug/L	99
34) Trichloroethene	6.534	95	178885	19.729	ug/L	98

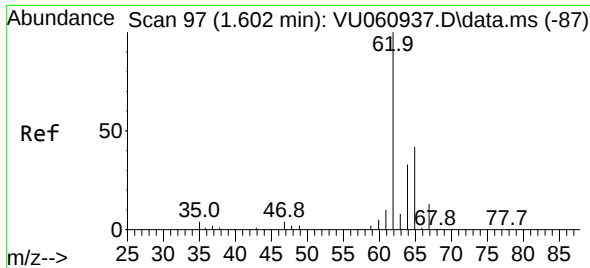
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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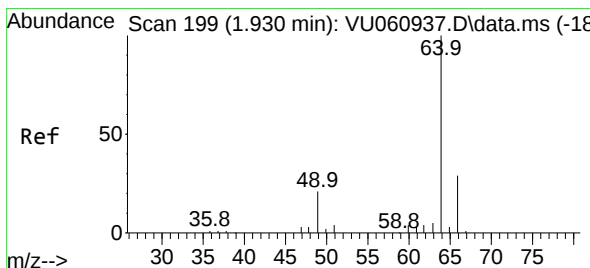
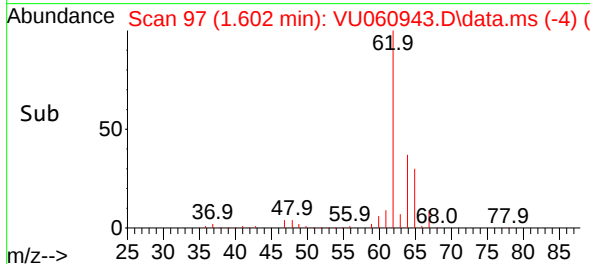
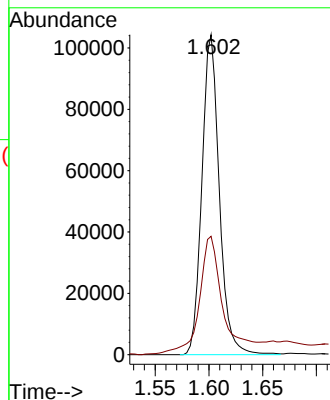
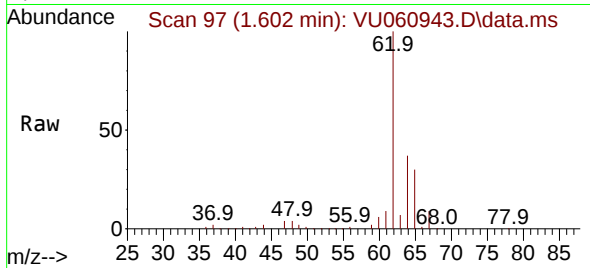




#5
 Vinyl chloride
 Concen: 11.164 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU060943.D
 Acq: 20 Sep 2024 15:15

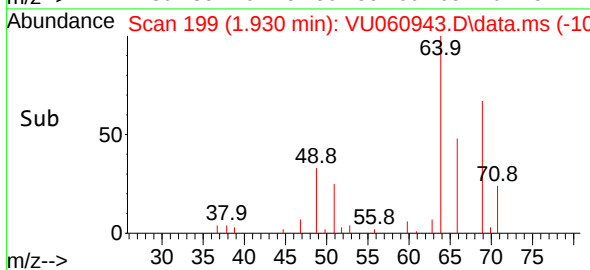
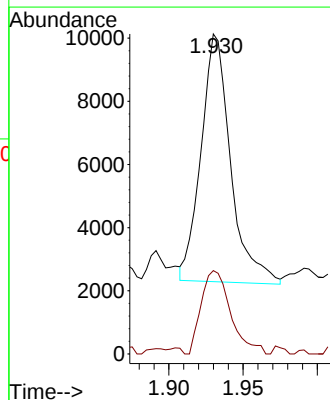
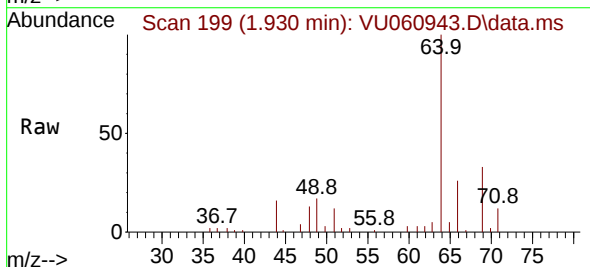
Instrument :
 MSVOA_U
 ClientSampleId :
 BH8Q6

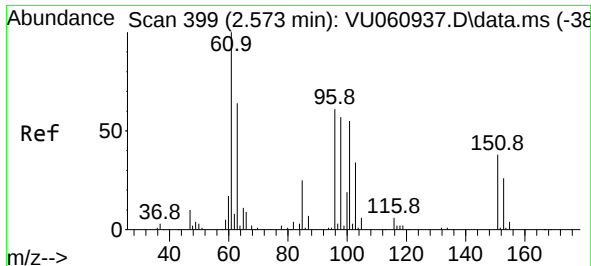
Tgt Ion: 62 Resp: 117760
 Ion Ratio Lower Upper
 62 100
 64 37.0 24.0 44.6



#8
 Chloroethane
 Concen: 1.686 ug/L
 RT: 1.930 min Scan# 199
 Delta R.T. -0.000 min
 Lab File: VU060943.D
 Acq: 20 Sep 2024 15:15

Tgt Ion: 64 Resp: 10866
 Ion Ratio Lower Upper
 64 100
 66 26.0 22.3 41.3





#12

1,1-Dichloroethene

Concen: 34.479 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU060943.D

Acq: 20 Sep 2024 15:15

Instrument :

MSVOA_U

ClientSampleId :

BH8Q6

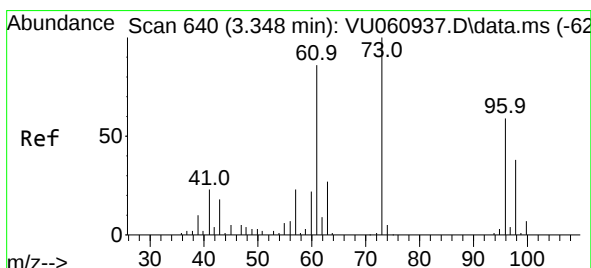
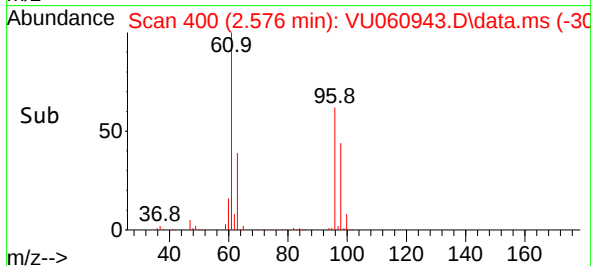
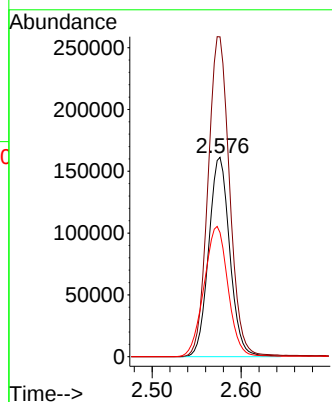
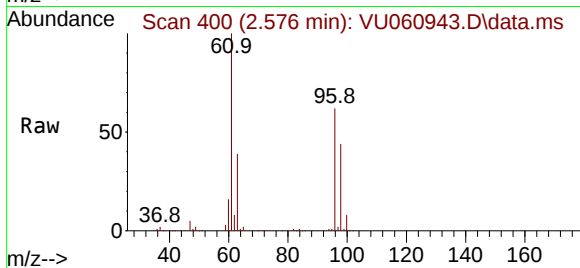
Tgt Ion: 96 Resp: 265086

Ion Ratio Lower Upper

96 100

61 160.4 120.7 224.1

63 62.2 90.0 167.2#



#18

trans-1,2-Dichloroethene

Concen: 2.108 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.003 min

Lab File: VU060943.D

Acq: 20 Sep 2024 15:15

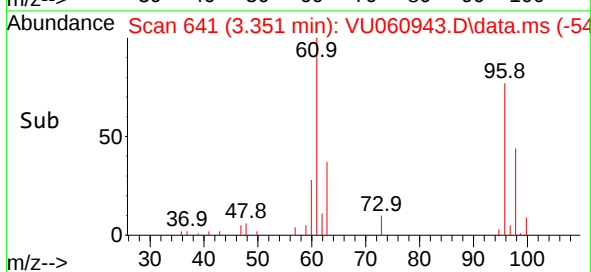
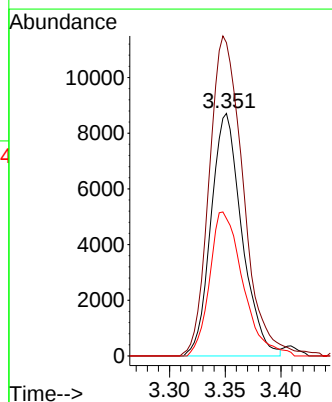
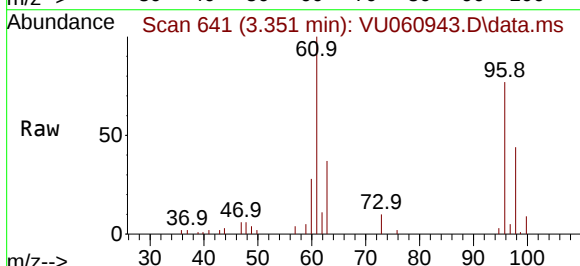
Tgt Ion: 96 Resp: 16796

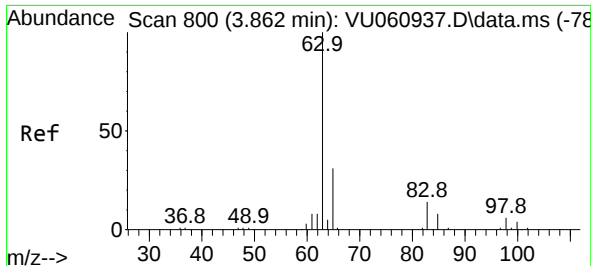
Ion Ratio Lower Upper

96 100

61 129.2 97.2 180.6

98 56.7 43.3 80.5





#19

1,1-Dichloroethane

Concen: 14.636 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU060943.D

Acq: 20 Sep 2024 15:15

Instrument :

MSVOA_U

ClientSampleId :

BH8Q6

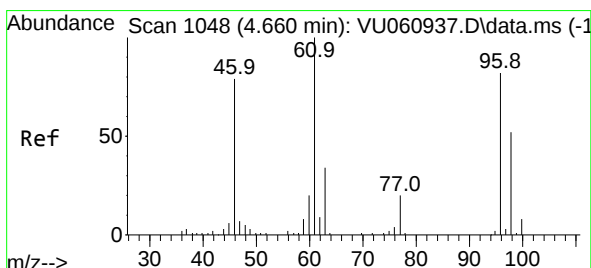
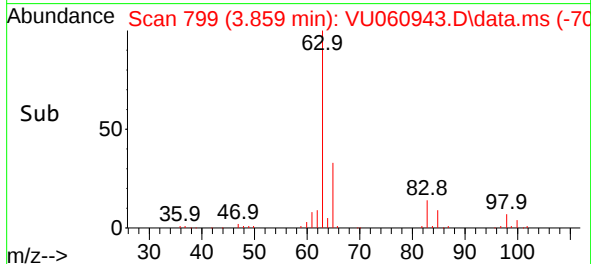
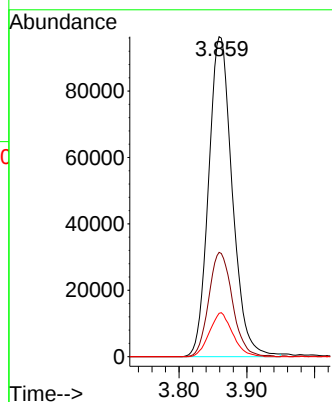
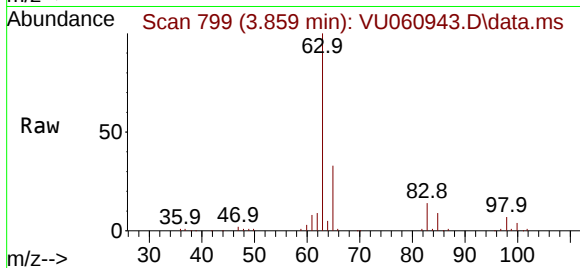
Tgt Ion: 63 Resp: 234100

Ion Ratio Lower Upper

63 100

65 33.3 23.0 42.8

83 13.6 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 25.531 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU060943.D

Acq: 20 Sep 2024 15:15

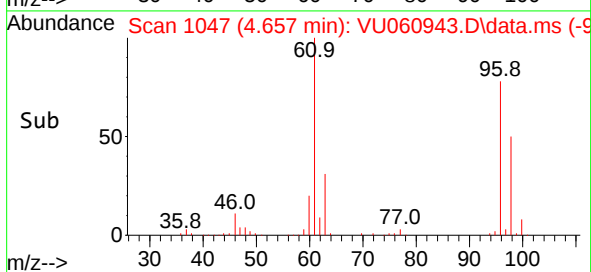
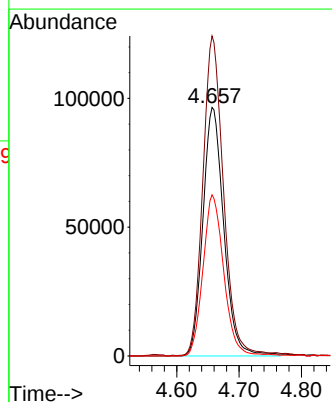
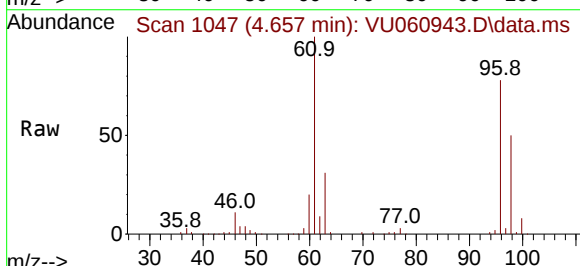
Tgt Ion: 96 Resp: 225106

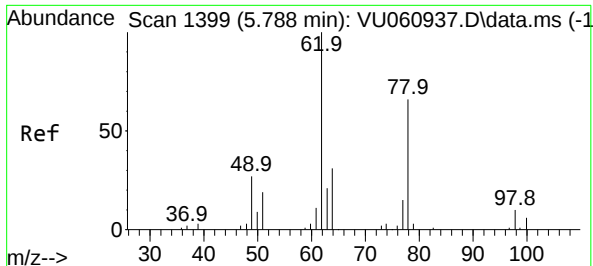
Ion Ratio Lower Upper

96 100

61 128.8 89.7 166.5

98 64.9 45.1 83.9

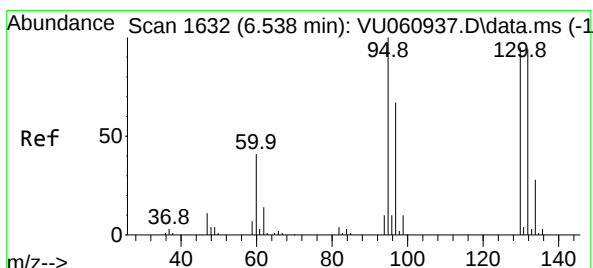
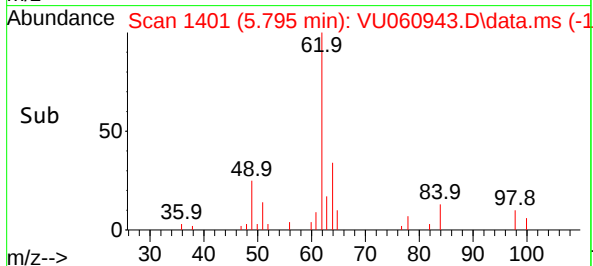
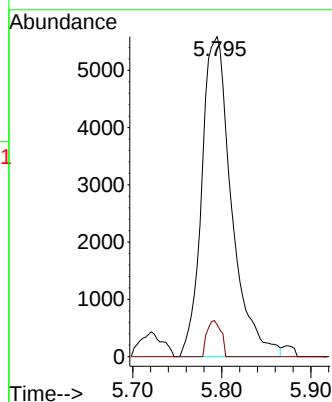
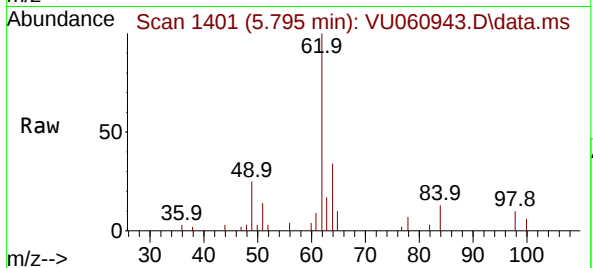




#27
1,2-Dichloroethane
Concen: 1.340 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.006 min
Lab File: VU060943.D
Acq: 20 Sep 2024 15:15

Instrument :
MSVOA_U
ClientSampleId :
BH8Q6

Tgt Ion: 62 Resp: 12954
Ion Ratio Lower Upper
62 100
98 10.0 8.2 12.4



#34
Trichloroethene
Concen: 19.729 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
Lab File: VU060943.D
Acq: 20 Sep 2024 15:15

Tgt Ion: 95 Resp: 178885
Ion Ratio Lower Upper
95 100
97 65.1 44.9 83.5
132 93.8 63.5 117.9
130 99.3 70.2 130.4

