

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092624\
 Data File : VU061017.D
 Acq On : 26 Sep 2024 13:52
 Operator : MD/SY
 Sample : P4186-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 27 04:52:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 27 04:49:19 2024
 Response via : Initial Calibration

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

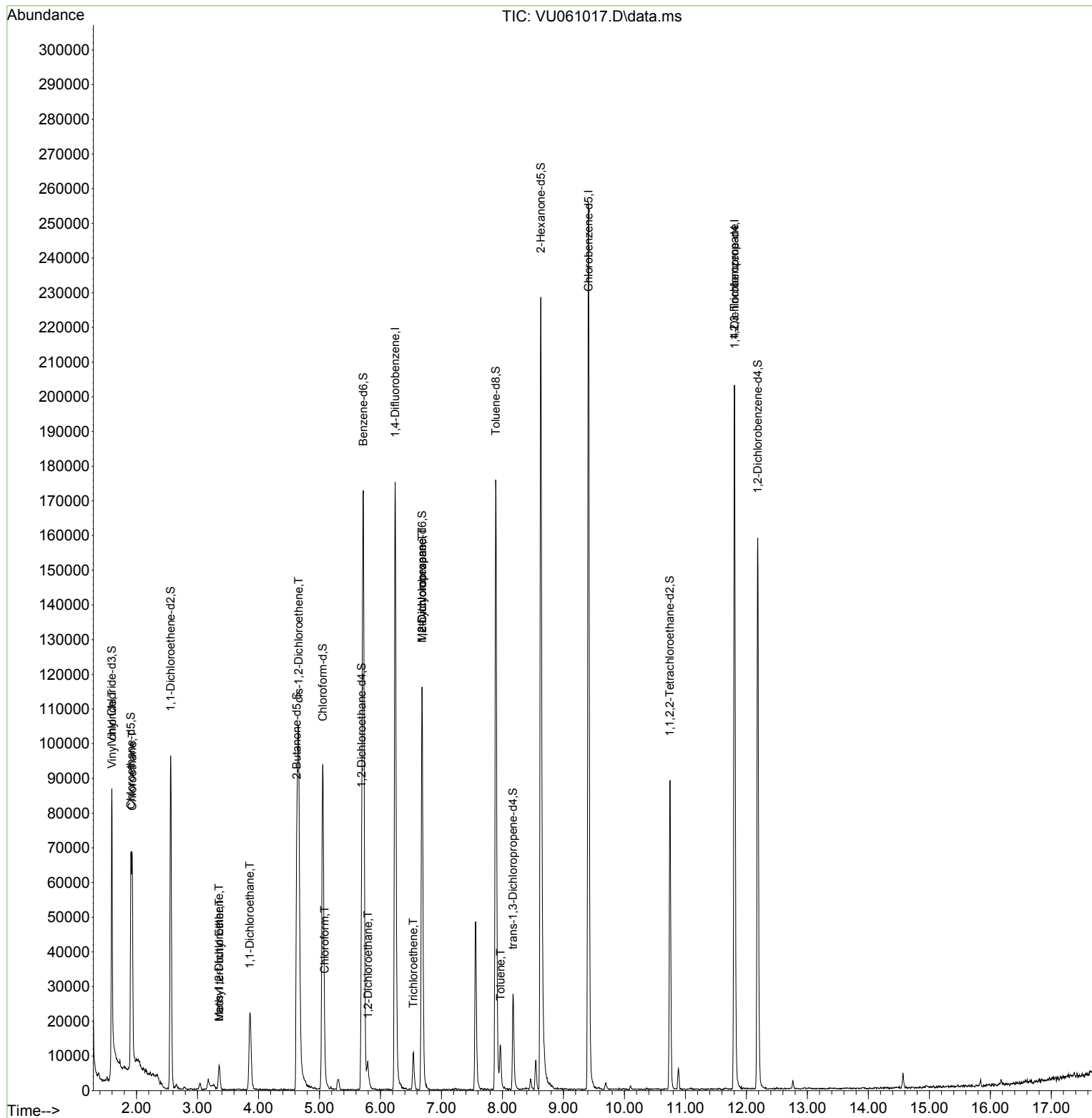
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	147998	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	155168	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	59181	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	50277	3.777	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.600%
7) Chloroethane-d5	1.907	69	44936	4.741	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.800%
11) 1,1-Dichloroethene-d2	2.560	65	17998	3.815	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.200%
20) 2-Butanone-d5	4.628	46	106810	49.982	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.960%
24) Chloroform-d	5.052	84	91843	4.513	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	5.692	65	45409	4.668	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.400%
32) Benzene-d6	5.718	84	170383	4.097	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
36) 1,2-Dichloropropane-d6	6.682	67	59915	4.656	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.200%
41) Toluene-d8	7.891	98	129865	3.425	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.400%#
43) trans-1,3-Dichloroprop...	8.174	79	18496	3.993	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.800%
46) 2-Hexanone-d5	8.631	63	83662	45.789	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.580%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	46973	4.660	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	46063	4.632	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	6465	0.506	ug/L #	1
8) Chloroethane	1.930	64	34807	4.461	ug/L	99
17) Methyl tert-butyl Ether	3.357	73	5102	0.242	ug/L #	90
18) trans-1,2-Dichloroethene	3.354	96	1142	0.118	ug/L	72
19) 1,1-Dichloroethane	3.859	63	28323	1.462	ug/L	95
22) cis-1,2-Dichloroethene	4.660	96	42854	4.014	ug/L	97
25) Chloroform	5.084	83	5714	0.283	ug/L	91
27) 1,2-Dichloroethane	5.795	62	5557	0.475	ug/L	97
34) Trichloroethene	6.541	95	4122	0.369	ug/L	92
35) Methylcyclohexane	6.682	83	12042	0.785	ug/L #	18
37) 1,2-Dichloropropane	6.682	63	5556	0.473	ug/L #	93
42) Toluene	7.968	91	9612	0.215	ug/L	92
61) 1,2,3-Trichloropropane	11.804	75	6795	1.231	ug/L #	67

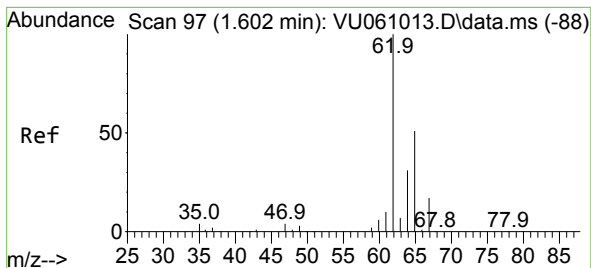
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.506 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU061017.D

Acq: 26 Sep 2024 13:52

Instrument :

MSVOA_U

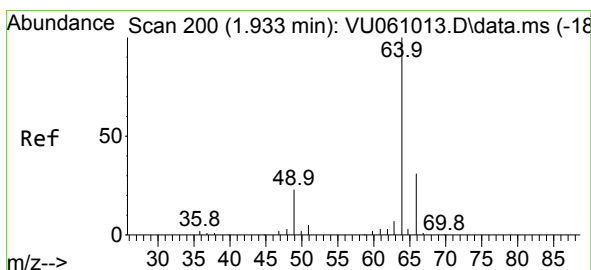
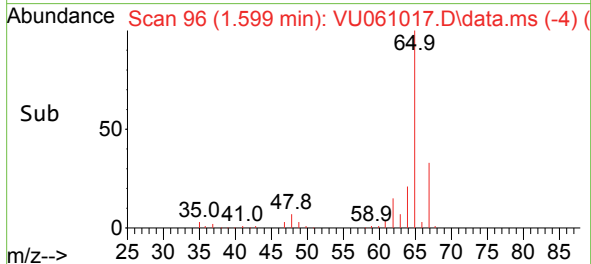
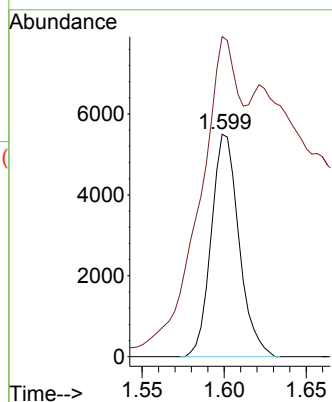
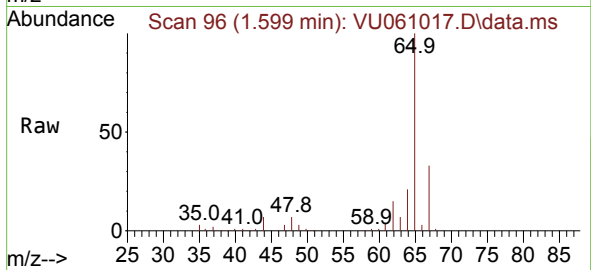
ClientSampleId :

Tgt Ion: 62 Resp: 6465

Ion Ratio Lower Upper

62 100

64 143.9 24.0 44.6#



#8

Chloroethane

Concen: 4.461 ug/L

RT: 1.930 min Scan# 199

Delta R.T. -0.003 min

Lab File: VU061017.D

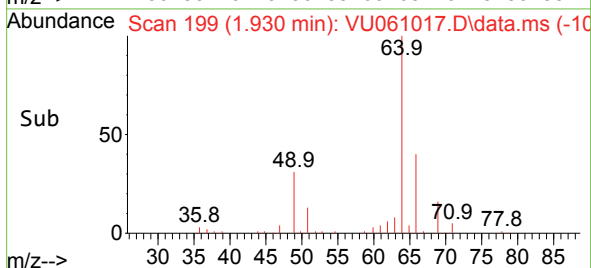
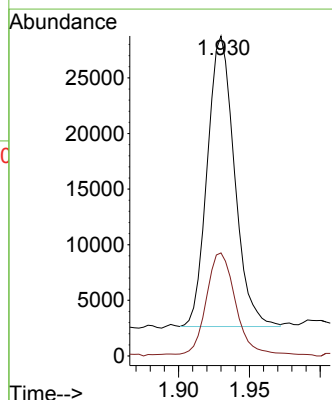
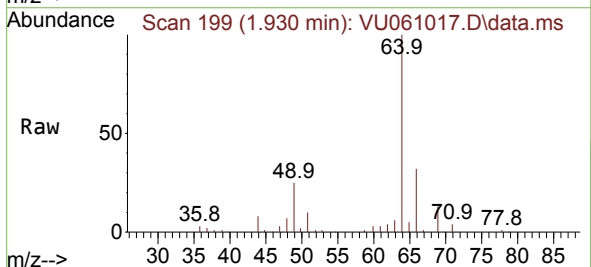
Acq: 26 Sep 2024 13:52

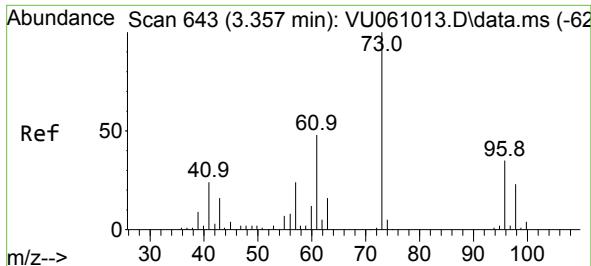
Tgt Ion: 64 Resp: 34807

Ion Ratio Lower Upper

64 100

66 32.2 22.3 41.3





#17

Methyl tert-butyl Ether

Concen: 0.242 ug/L

RT: 3.357 min Scan# 643

Delta R.T. 0.000 min

Lab File: VU061017.D

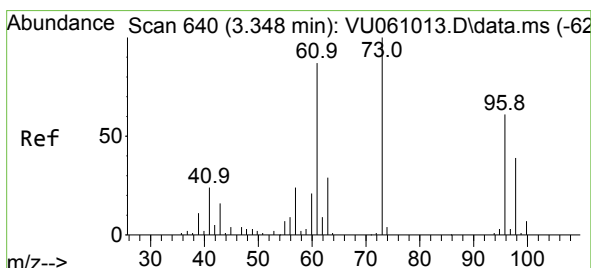
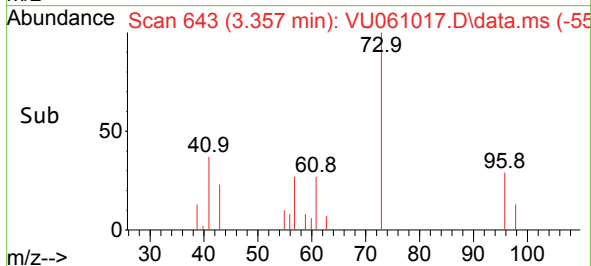
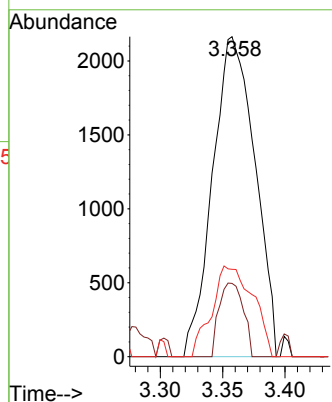
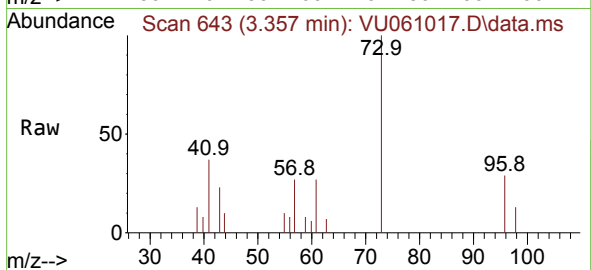
Acq: 26 Sep 2024 13:52

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 73	Resp: 5102
Ion Ratio	Lower Upper
73 100	
43 13.1	13.8 20.8#
57 27.4	18.0 27.0#



#18

trans-1,2-Dichloroethene

Concen: 0.118 ug/L

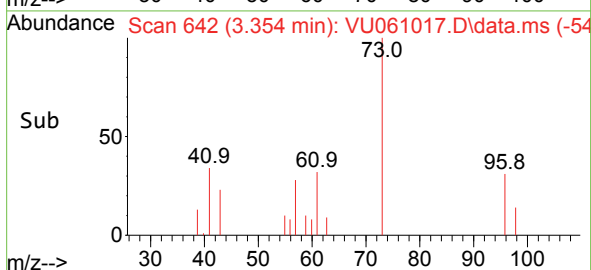
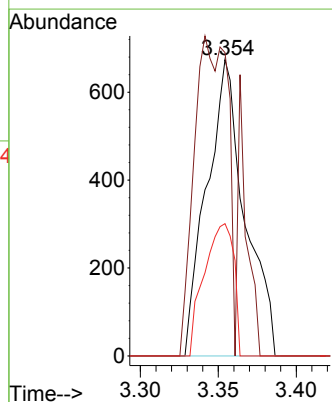
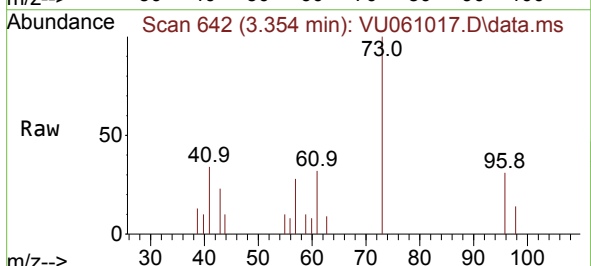
RT: 3.354 min Scan# 642

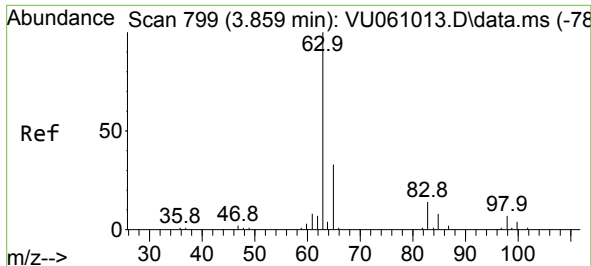
Delta R.T. 0.006 min

Lab File: VU061017.D

Acq: 26 Sep 2024 13:52

Tgt Ion: 96	Resp: 1142
Ion Ratio	Lower Upper
96 100	
61 102.4	97.2 180.6
98 44.7	43.3 80.5





#19

1,1-Dichloroethane

Concen: 1.462 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.000 min

Lab File: VU061017.D

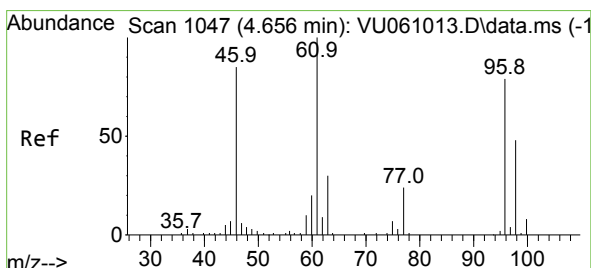
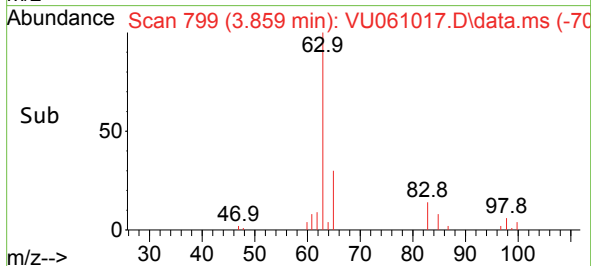
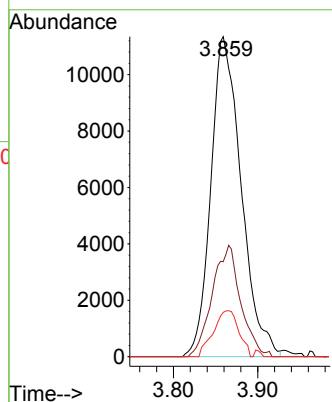
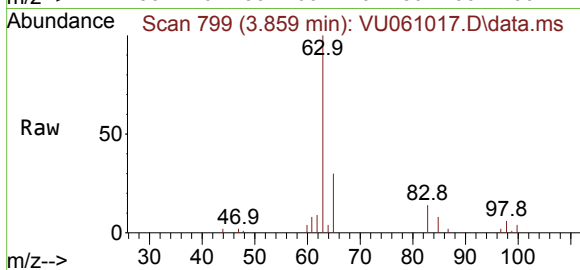
Acq: 26 Sep 2024 13:52

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 28323
Ion Ratio	Lower Upper
63 100	
65 29.7	23.0 42.8
83 13.9	9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 4.014 ug/L

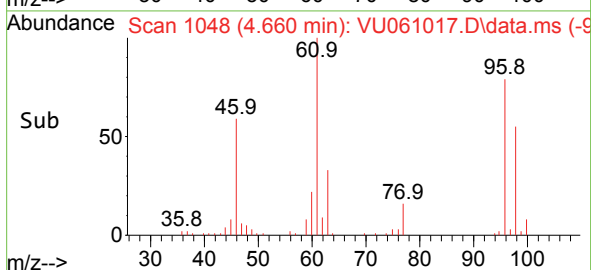
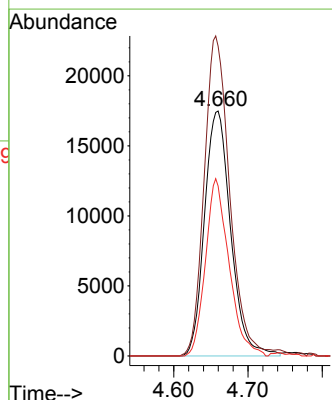
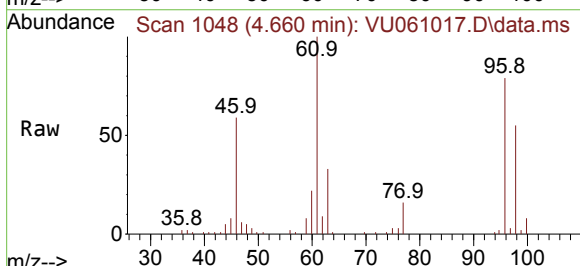
RT: 4.660 min Scan# 1048

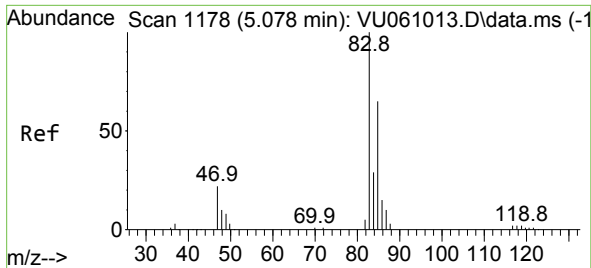
Delta R.T. 0.003 min

Lab File: VU061017.D

Acq: 26 Sep 2024 13:52

Tgt Ion: 96	Resp: 42854
Ion Ratio	Lower Upper
96 100	
61 126.4	89.7 166.5
98 69.4	45.1 83.9

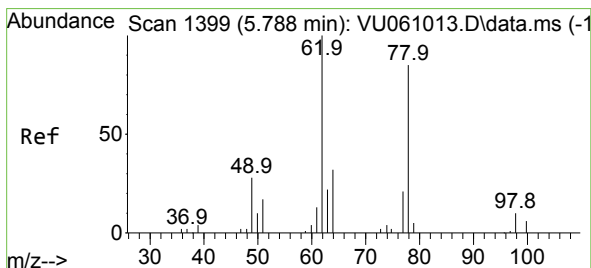
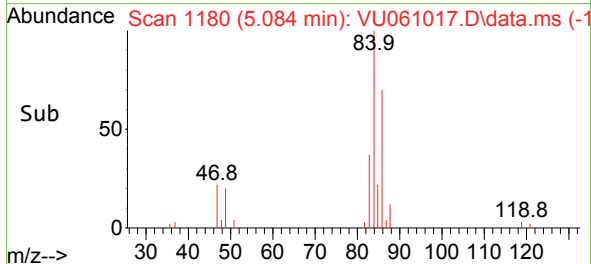
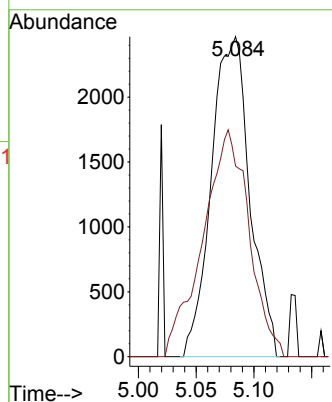
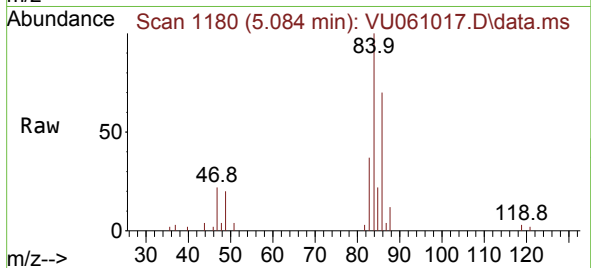




#25
Chloroform
Concen: 0.283 ug/L
RT: 5.084 min Scan# 1178
Delta R.T. 0.006 min
Lab File: VU061017.D
Acq: 26 Sep 2024 13:52

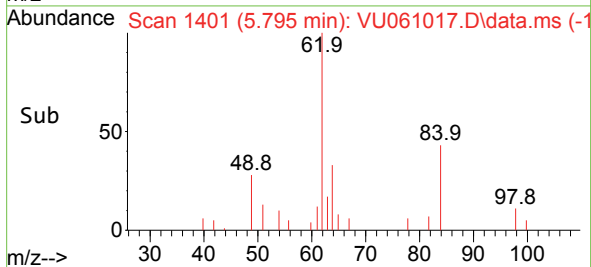
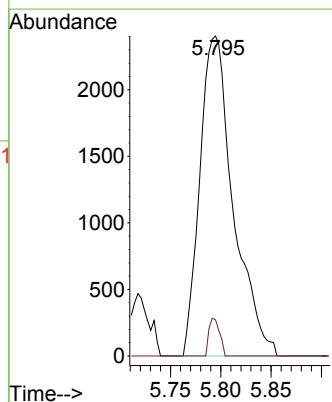
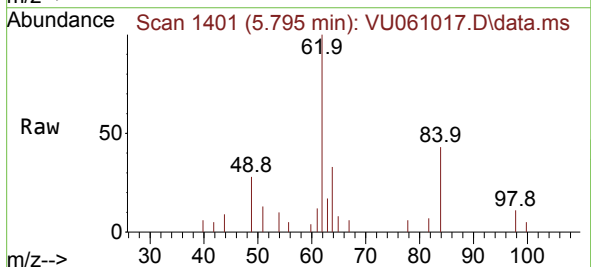
Instrument :
MSVOA_U
ClientSampleId :

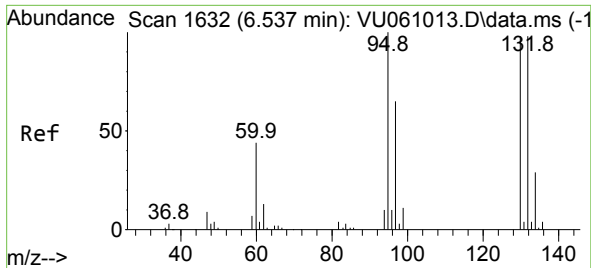
Tgt Ion: 83 Resp: 5714
Ion Ratio Lower Upper
83 100
85 59.5 46.8 86.8



#27
1,2-Dichloroethane
Concen: 0.475 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.006 min
Lab File: VU061017.D
Acq: 26 Sep 2024 13:52

Tgt Ion: 62 Resp: 5557
Ion Ratio Lower Upper
62 100
98 11.3 8.2 12.4

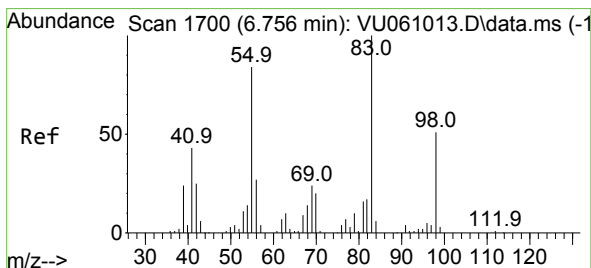
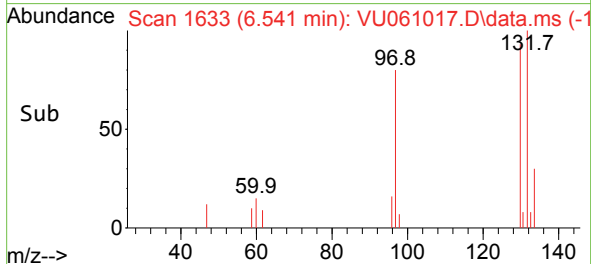
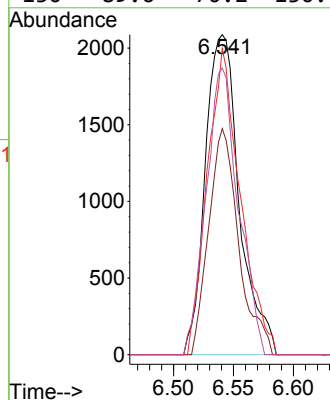
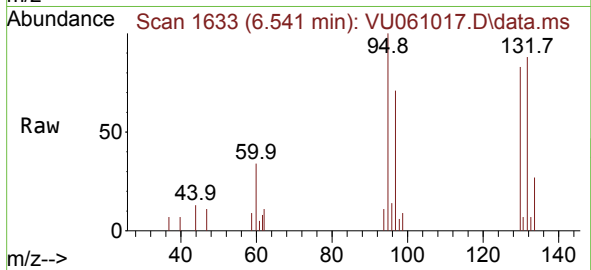




#34
Trichloroethene
Concen: 0.369 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.003 min
Lab File: VU061017.D
Acq: 26 Sep 2024 13:52

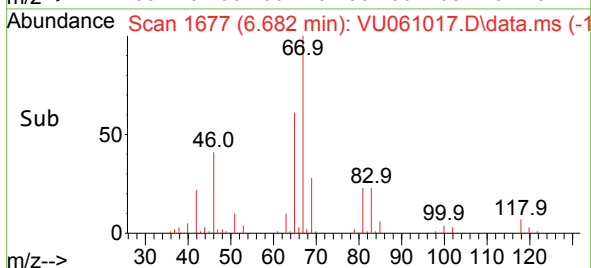
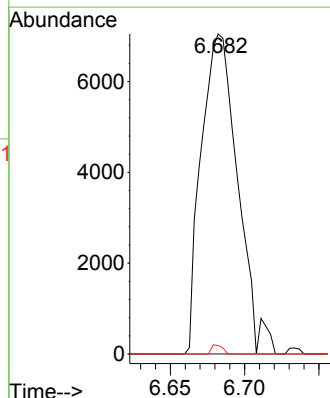
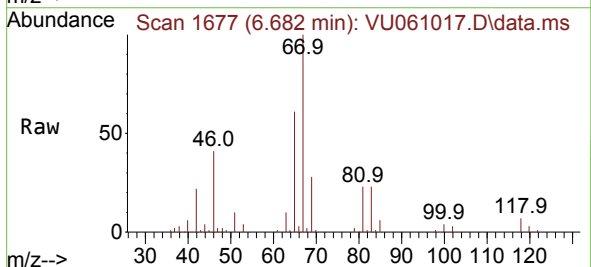
Instrument :
MSVOA_U
ClientSampleId :

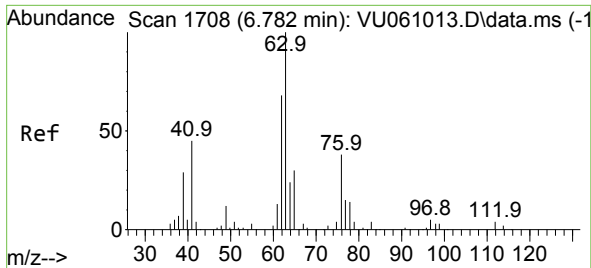
Tgt Ion: 95 Resp: 4122
Ion Ratio Lower Upper
95 100
97 70.6 44.9 83.5
132 95.6 63.5 117.9
130 89.6 70.2 130.4



#35
Methylcyclohexane
Concen: 0.785 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU061017.D
Acq: 26 Sep 2024 13:52

Tgt Ion: 83 Resp: 12042
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.8 37.6 56.4#

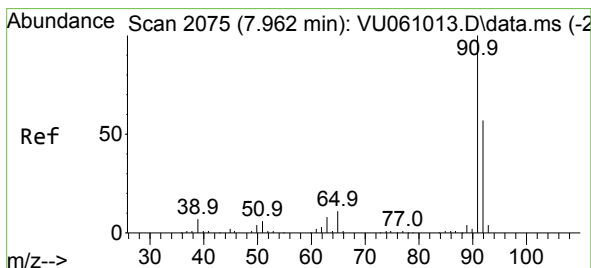
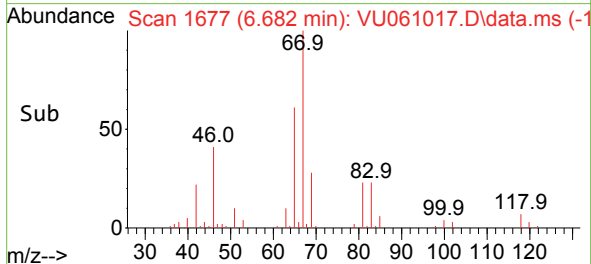
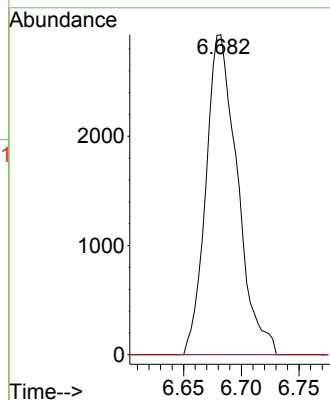
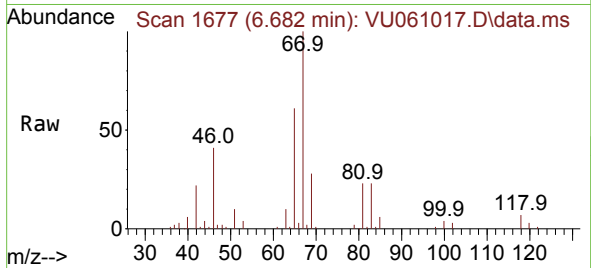




#37
1,2-Dichloropropane
Concen: 0.473 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU061017.D
Acq: 26 Sep 2024 13:52

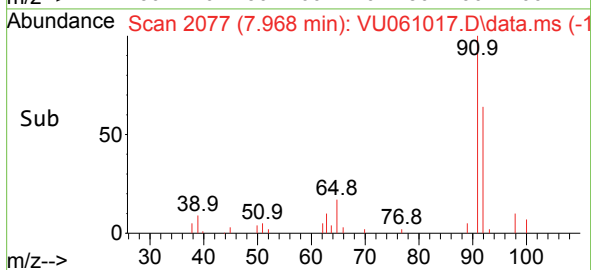
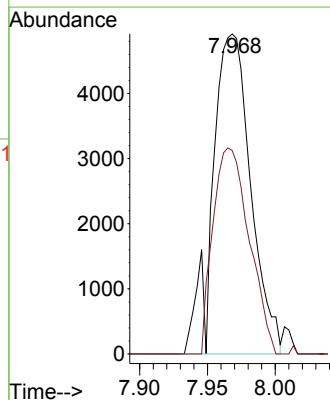
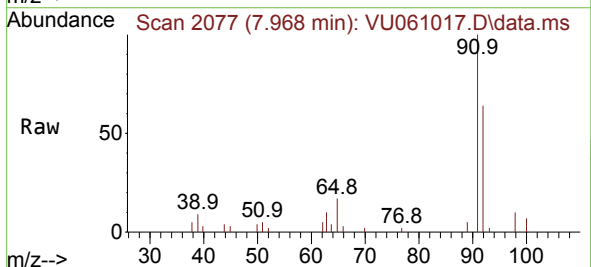
Instrument :
MSVOA_U
ClientSampleId :

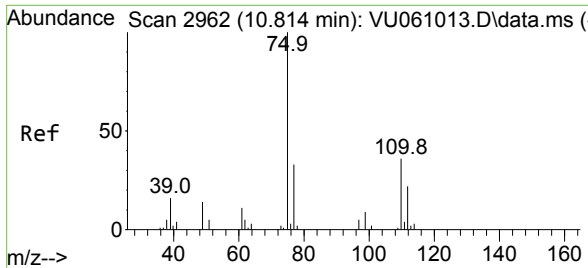
Tgt Ion: 63 Resp: 5556
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#



#42
Toluene
Concen: 0.215 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.006 min
Lab File: VU061017.D
Acq: 26 Sep 2024 13:52

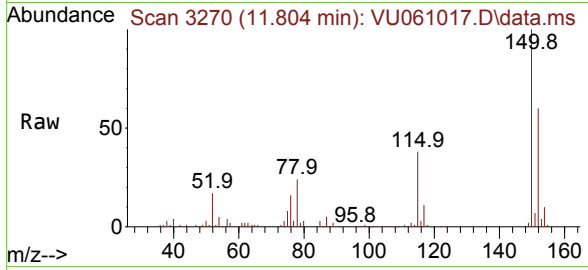
Tgt Ion: 91 Resp: 9612
Ion Ratio Lower Upper
91 100
92 63.6 40.5 75.3





#61
 1,2,3-Trichloropropane
 Concen: 1.231 ug/L
 RT: 11.804 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU061017.D
 Acq: 26 Sep 2024 13:52

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 6795
 Ion Ratio Lower Upper
 75 100
 110 0.6 28.6 43.0#
 77 30.8 26.3 39.5

