

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091924\
 Data File : VU060911.D
 Acq On : 19 Sep 2024 20:21
 Operator : MD/SY
 Sample : P3987-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 20 00:01:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 19 23:54:48 2024
 Response via : Initial Calibration

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

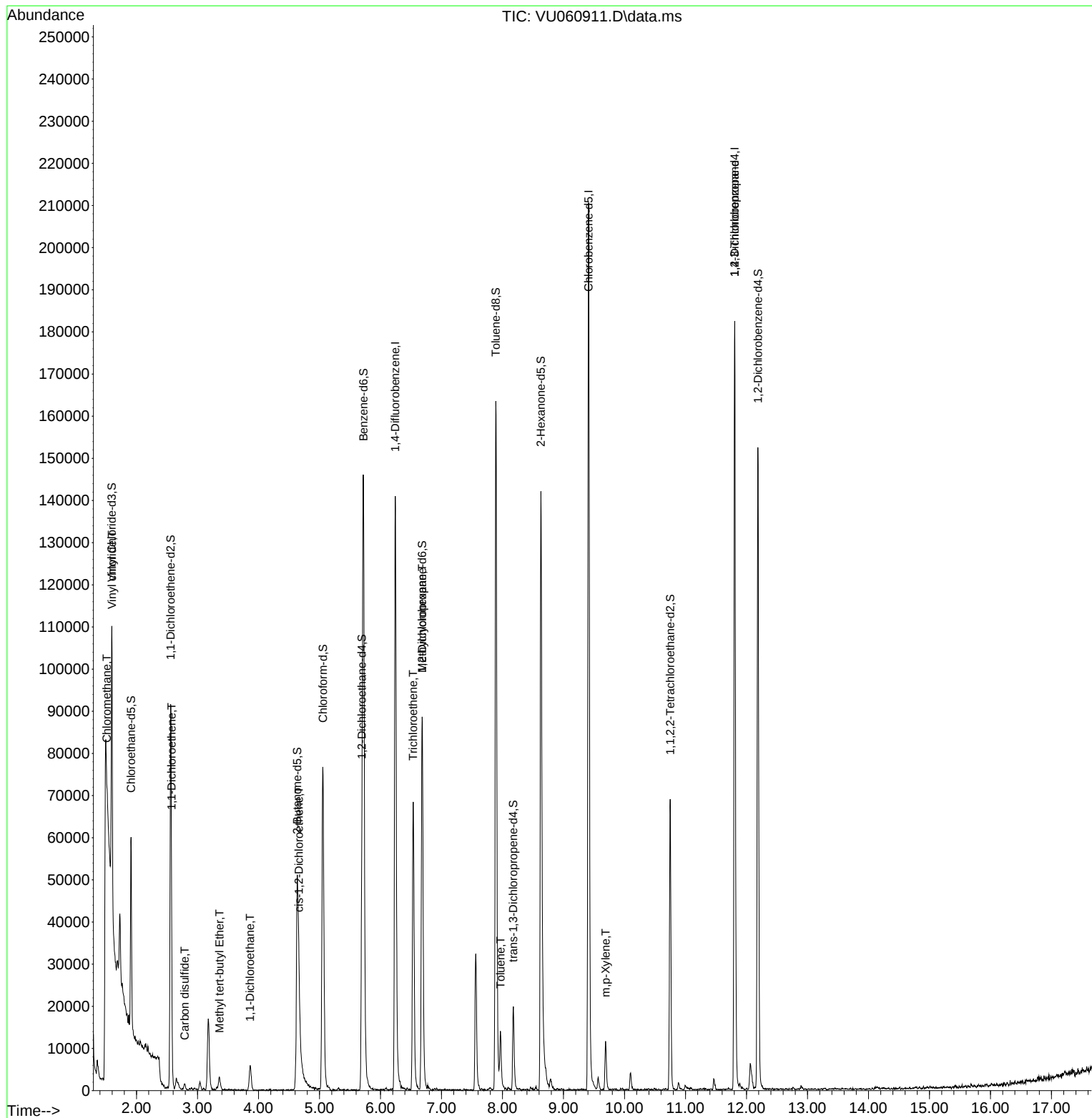
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	125531	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	134251	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	53729	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	42646	3.777	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.600%
7) Chloroethane-d5	1.911	69	35085	4.364	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.200%
11) 1,1-Dichloroethene-d2	2.560	65	16783	4.194	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.800%
20) 2-Butanone-d5	4.634	46	59895	33.044	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	66.080%
24) Chloroform-d	5.055	84	78025	4.520	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
26) 1,2-Dichloroethane-d4	5.695	65	38262	4.638	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
32) Benzene-d6	5.721	84	144989	4.029	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.600%
36) 1,2-Dichloropropane-d6	6.682	67	46316	4.160	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.200%
41) Toluene-d8	7.891	98	119909	3.655	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.200%
43) trans-1,3-Dichloroprop...	8.177	79	13312	3.322	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.400%
46) 2-Hexanone-d5	8.631	63	49606	31.380	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	62.760%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	35984	4.126	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	45117	4.997	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.000%
Target Compounds						Qvalue
3) Chloromethane	1.515	50	4436	0.443	ug/L #	67
5) Vinyl chloride	1.599	62	5502	0.508	ug/L #	1
12) 1,1-Dichloroethene	2.573	96	3566	0.452	ug/L #	1
14) Carbon disulfide	2.792	76	2433	0.111	ug/L #	75
17) Methyl tert-butyl Ether	3.361	73	3420	0.192	ug/L #	92
19) 1,1-Dichloroethane	3.862	63	7462	0.454	ug/L	95
22) cis-1,2-Dichloroethene	4.663	96	4939	0.545	ug/L	96
34) Trichloroethene	6.534	95	24347	2.516	ug/L	98
35) Methylcyclohexane	6.682	83	11525	0.868	ug/L #	17
42) Toluene	7.968	91	10741	0.278	ug/L	100
53) m,p-Xylene	9.692	106	3299	0.214	ug/L	91
61) 1,2,3-Trichloropropane	11.807	75	5429	1.083	ug/L #	67

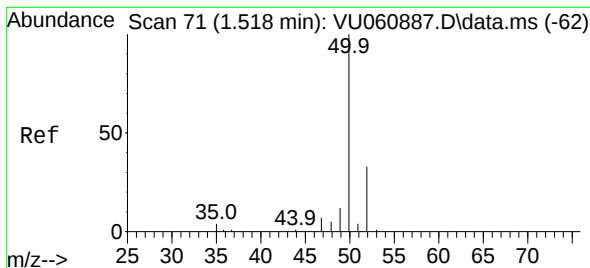
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.443 ug/L

RT: 1.515 min Scan# 70

Delta R.T. -0.003 min

Lab File: VU060911.D

Acq: 19 Sep 2024 20:21

Instrument :

MSVOA_U

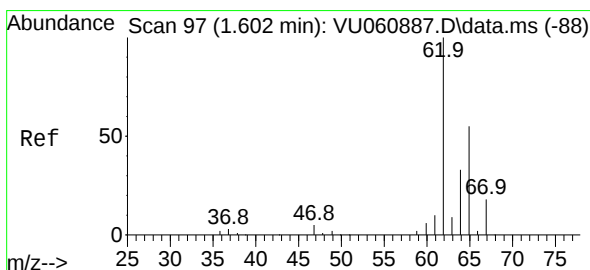
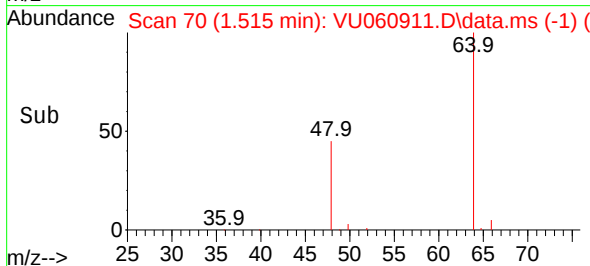
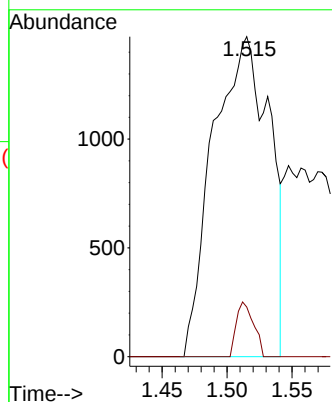
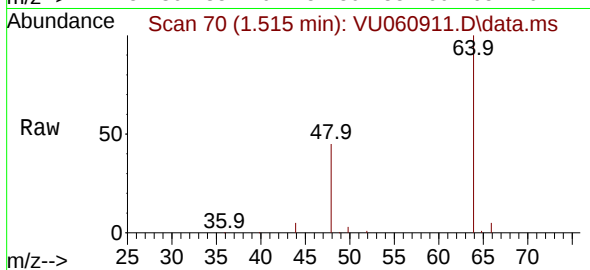
ClientSampleId :

Tgt Ion: 50 Resp: 4436

Ion Ratio Lower Upper

50 100

52 15.5 24.4 45.4#



#5

Vinyl chloride

Concen: 0.508 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.003 min

Lab File: VU060911.D

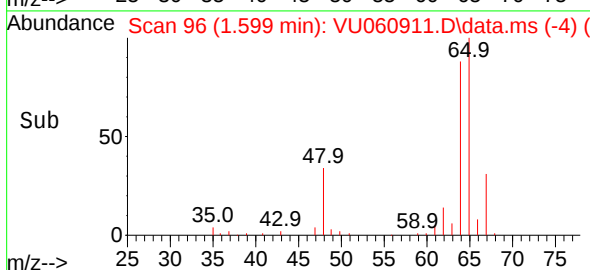
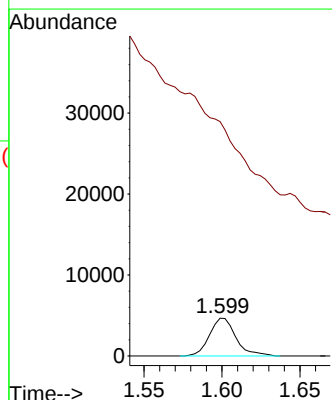
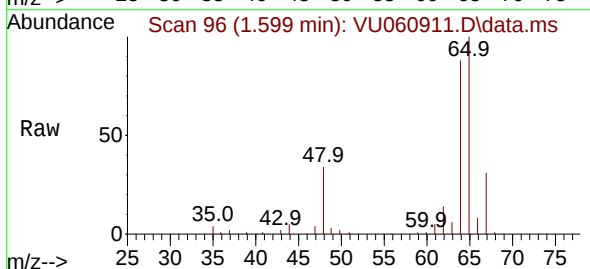
Acq: 19 Sep 2024 20:21

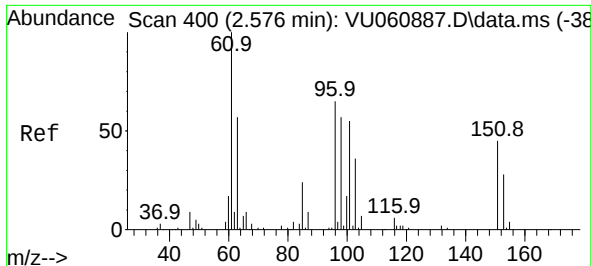
Tgt Ion: 62 Resp: 5502

Ion Ratio Lower Upper

62 100

64 620.8 24.0 44.6#





#12

1,1-Dichloroethene

Concen: 0.452 ug/L

RT: 2.573 min Scan# 30

Delta R.T. -0.003 min

Lab File: VU060911.D

Acq: 19 Sep 2024 20:21

Instrument :

MSVOA_U

ClientSampleId :

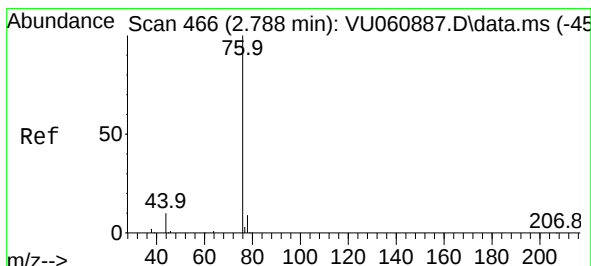
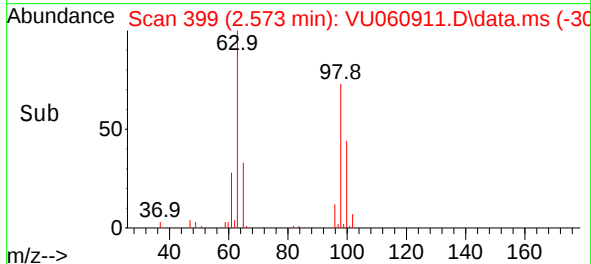
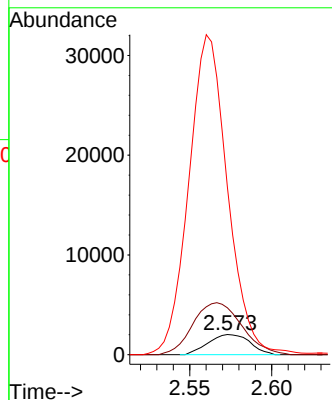
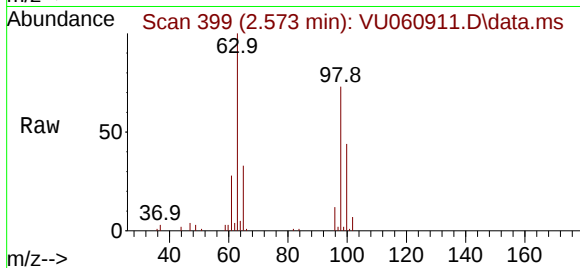
Tgt Ion: 96 Resp: 3566

Ion Ratio Lower Upper

96 100

61 232.1 120.7 224.1#

63 830.4 90.0 167.2#



#14

Carbon disulfide

Concen: 0.111 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.003 min

Lab File: VU060911.D

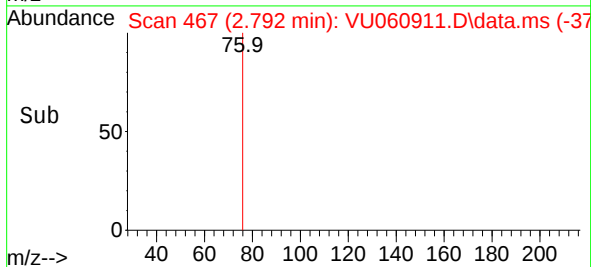
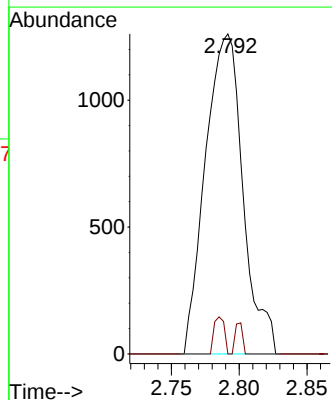
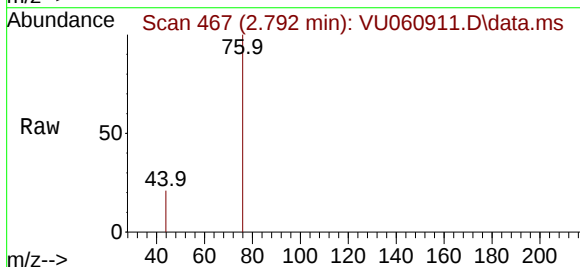
Acq: 19 Sep 2024 20:21

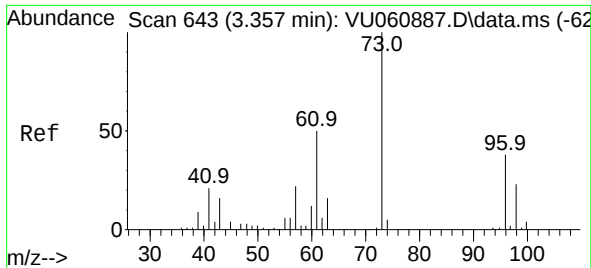
Tgt Ion: 76 Resp: 2433

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

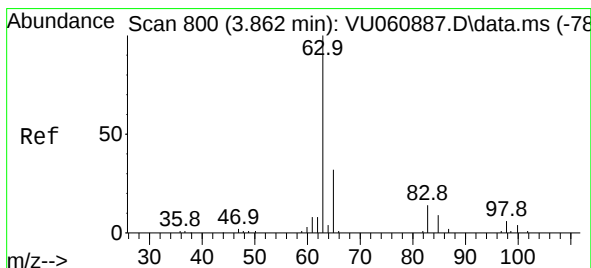
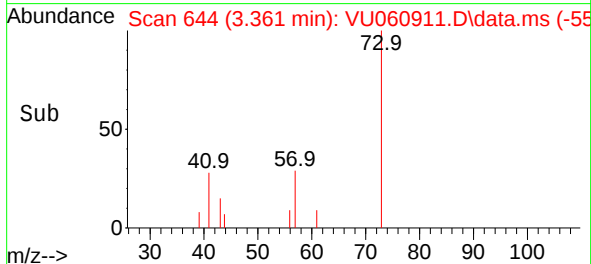
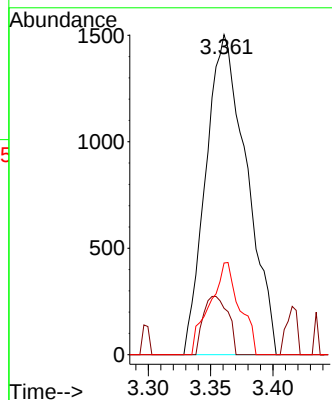
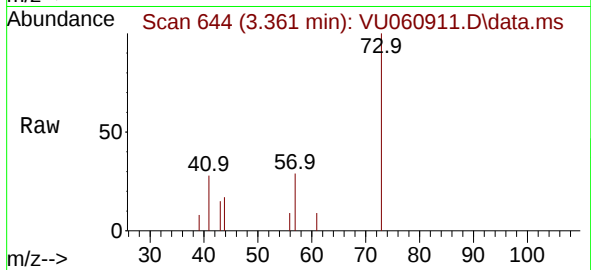




#17
Methyl tert-butyl Ether
Concen: 0.192 ug/L
RT: 3.361 min Scan# 643
Delta R.T. 0.003 min
Lab File: VU060911.D
Acq: 19 Sep 2024 20:21

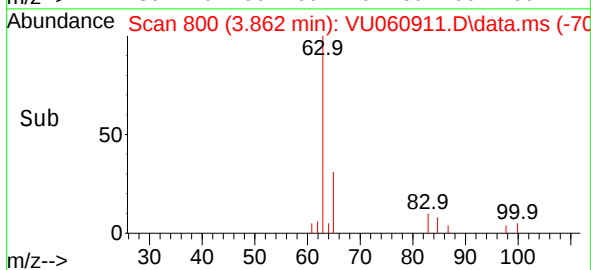
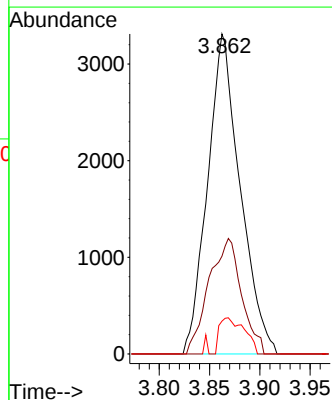
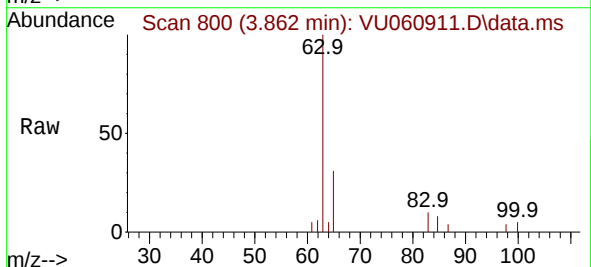
Instrument :
MSVOA_U
ClientSampleId :

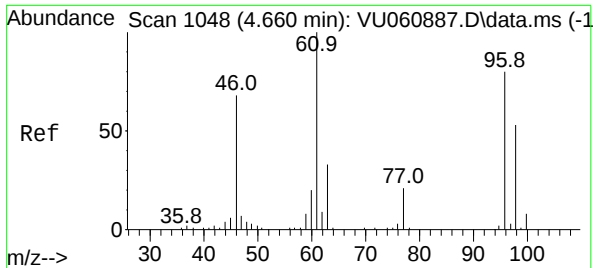
Tgt Ion: 73 Resp: 3420
Ion Ratio Lower Upper
73 100
43 11.0 13.8 20.8#
57 21.1 18.0 27.0



#19
1,1-Dichloroethane
Concen: 0.454 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU060911.D
Acq: 19 Sep 2024 20:21

Tgt Ion: 63 Resp: 7462
Ion Ratio Lower Upper
63 100
65 30.6 23.0 42.8
83 10.2 9.0 16.6

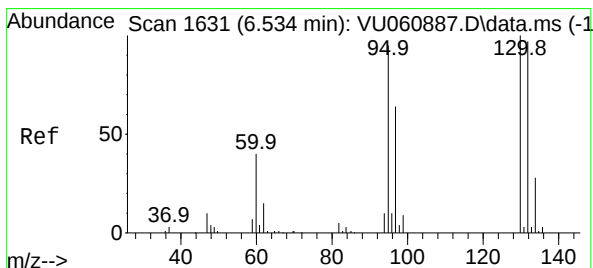
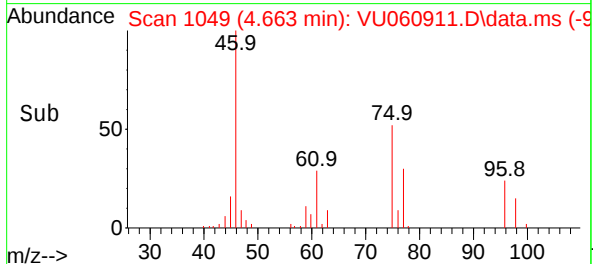
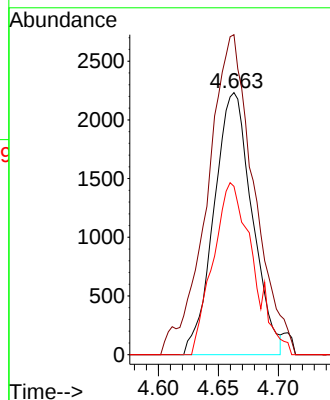
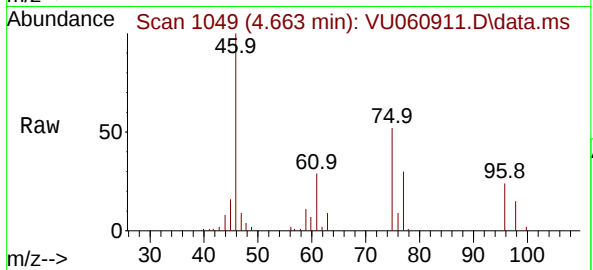




#22
 cis-1,2-Dichloroethene
 Concen: 0.545 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.003 min
 Lab File: VU060911.D
 Acq: 19 Sep 2024 20:21

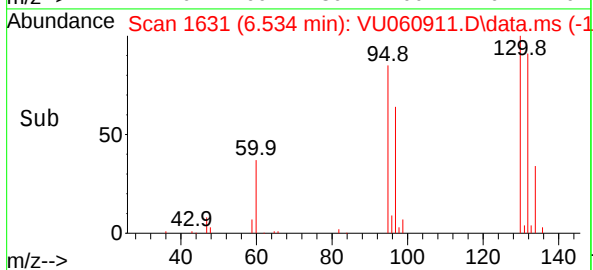
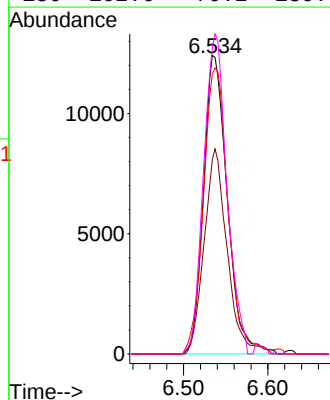
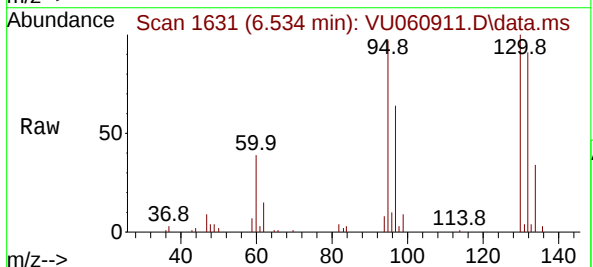
Instrument :
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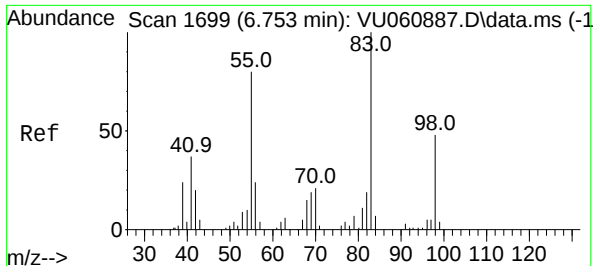
Tgt Ion: 96 Resp: 4939
 Ion Ratio Lower Upper
 96 100
 61 122.1 89.7 166.5
 98 64.2 45.1 83.9



#34
 Trichloroethene
 Concen: 2.516 ug/L
 RT: 6.534 min Scan# 1631
 Delta R.T. 0.000 min
 Lab File: VU060911.D
 Acq: 19 Sep 2024 20:21

Tgt Ion: 95 Resp: 24347
 Ion Ratio Lower Upper
 95 100
 97 65.2 44.9 83.5
 132 93.7 63.5 117.9
 130 102.6 70.2 130.4





#35

Methylcyclohexane

Concen: 0.868 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU060911.D

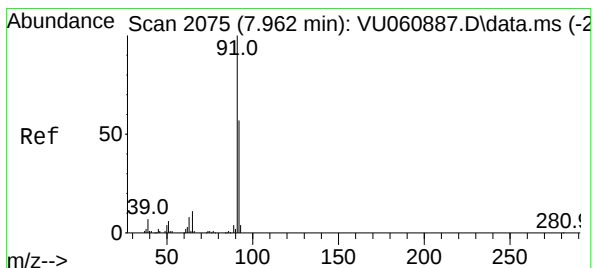
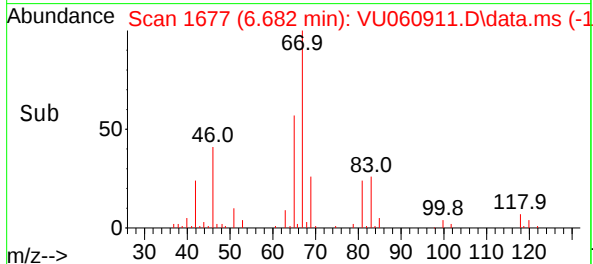
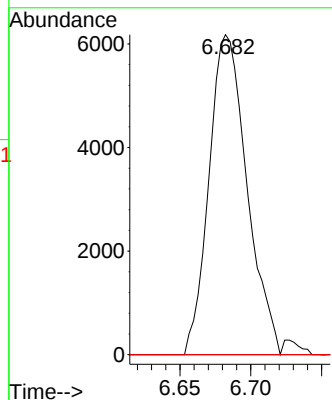
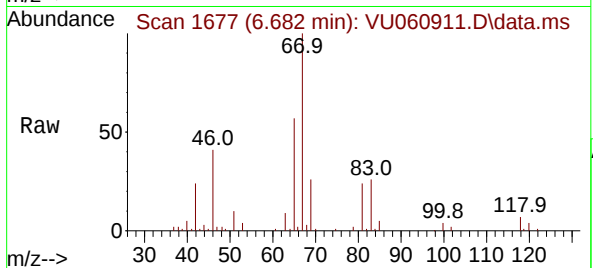
Acq: 19 Sep 2024 20:21

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 11525
Ion Ratio	Lower Upper
83	100
55	0.0 62.6 94.0#
98	0.0 37.6 56.4#



#42

Toluene

Concen: 0.278 ug/L

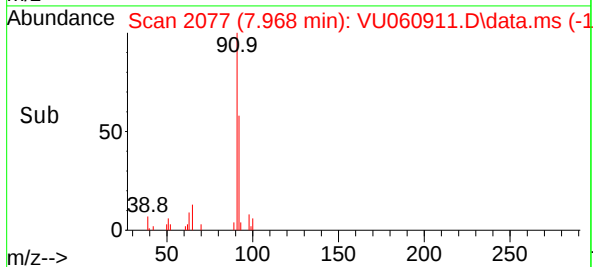
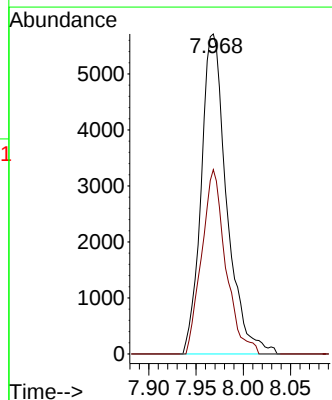
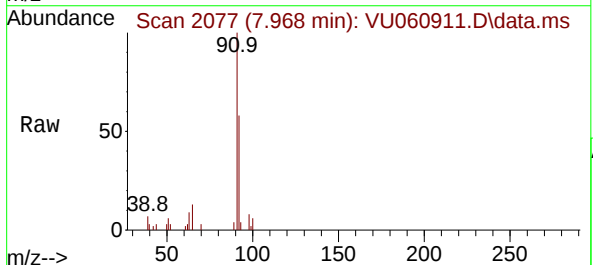
RT: 7.968 min Scan# 2077

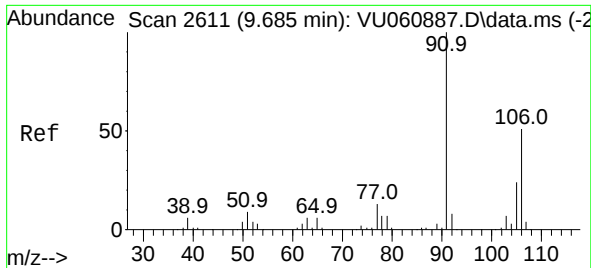
Delta R.T. 0.006 min

Lab File: VU060911.D

Acq: 19 Sep 2024 20:21

Tgt Ion: 91	Resp: 10741
Ion Ratio	Lower Upper
91	100
92	57.6 40.5 75.3





#53

m,p-Xylene

Concen: 0.214 ug/L

RT: 9.692 min Scan# 2

Delta R.T. 0.006 min

Lab File: VU060911.D

Acq: 19 Sep 2024 20:21

Instrument :

MSVOA_U

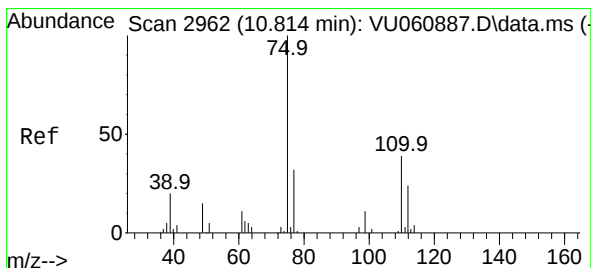
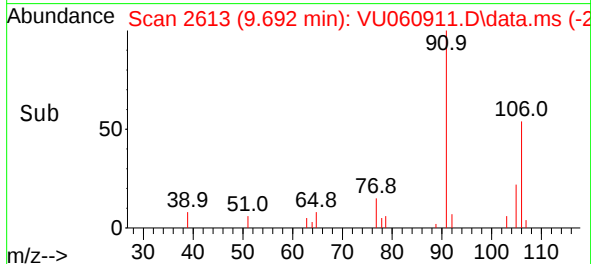
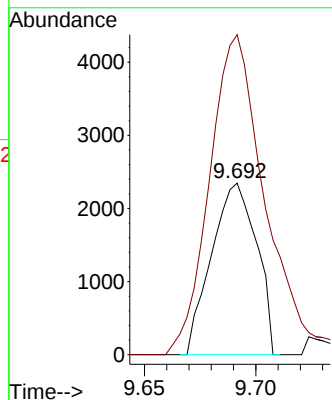
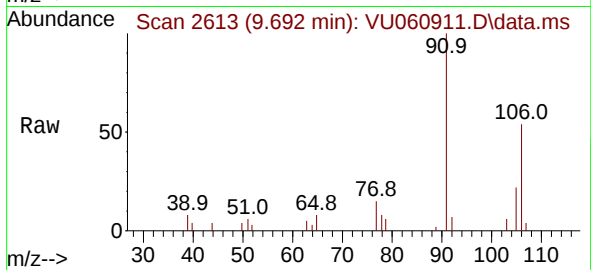
ClientSampleId :

Tgt Ion:106 Resp: 3299

Ion Ratio Lower Upper

106 100

91 186.5 139.7 259.4



#61

1,2,3-Trichloropropane

Concen: 1.083 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.994 min

Lab File: VU060911.D

Acq: 19 Sep 2024 20:21

Tgt Ion: 75 Resp: 5429

Ion Ratio Lower Upper

75 100

110 1.3 28.6 43.0#

77 35.8 26.3 39.5

