

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092024\
 Data File : VU060942.D
 Acq On : 20 Sep 2024 14:51
 Operator : MD/SY
 Sample : P3987-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 21 01:41:19 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)

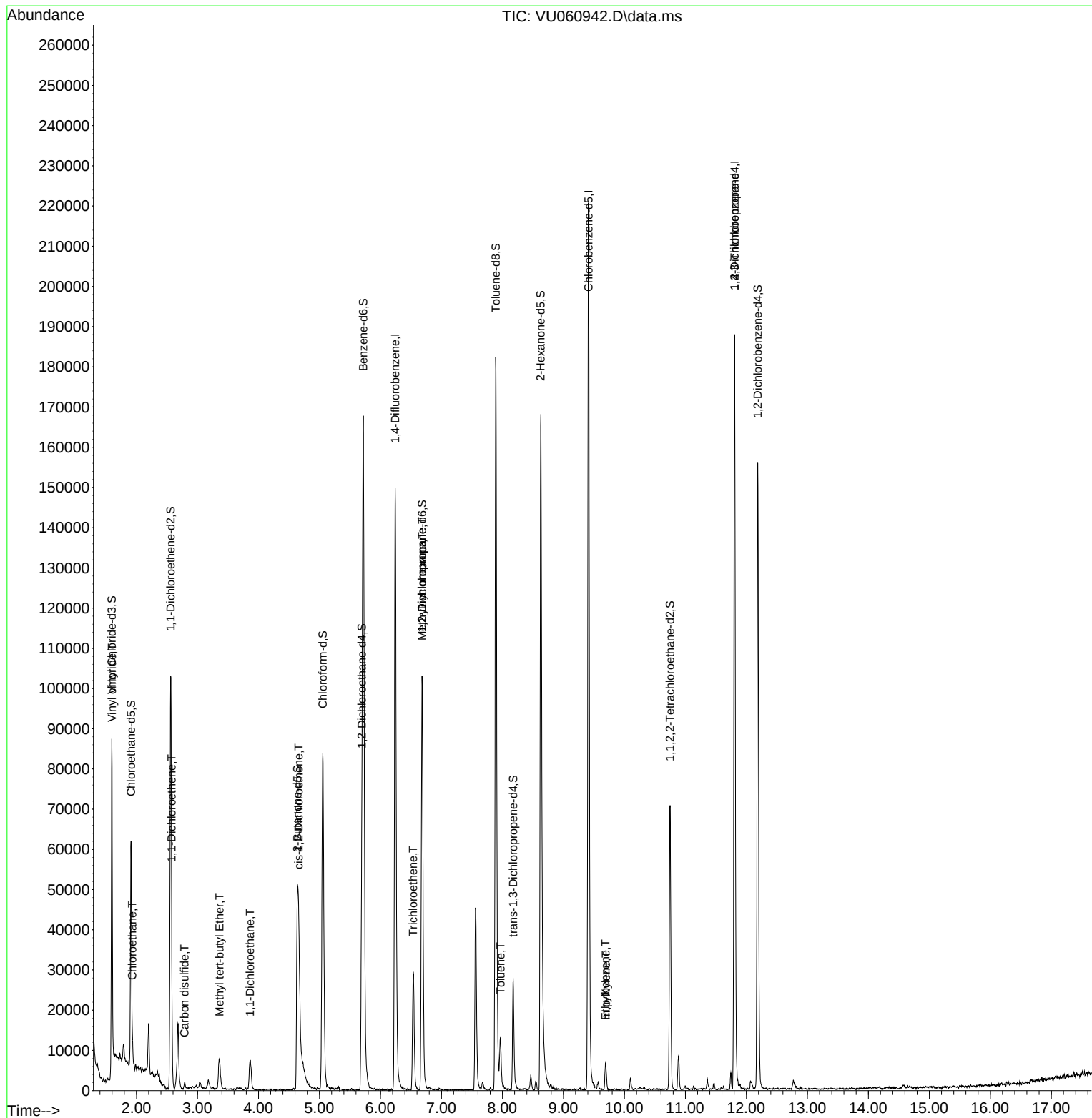
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	125075	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	133108	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	56010	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	52885	4.701	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.000%
7) Chloroethane-d5	1.911	69	40630	5.073	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.400%
11) 1,1-Dichloroethene-d2	2.560	65	19041	4.775	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.600%
20) 2-Butanone-d5	4.637	46	76485	42.351	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.700%
24) Chloroform-d	5.055	84	83933	4.880	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	5.695	65	40659	4.946	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	5.718	84	161648	4.531	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	6.682	67	53908	4.884	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.600%
41) Toluene-d8	7.891	98	132331	4.068	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.400%
43) trans-1,3-Dichloroprop...	8.177	79	16795	4.227	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.600%
46) 2-Hexanone-d5	8.627	63	61842	39.456	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.920%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	38438	4.445	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	44427	4.721	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	5518	0.511	ug/L #	6
8) Chloroethane	1.930	64	3276	0.497	ug/L #	80
12) 1,1-Dichloroethene	2.576	96	3499	0.445	ug/L #	1
14) Carbon disulfide	2.788	76	2421	0.111	ug/L	100
17) Methyl tert-butyl Ether	3.361	73	7763	0.437	ug/L #	94
19) 1,1-Dichloroethane	3.862	63	9613	0.587	ug/L	90
22) cis-1,2-Dichloroethene	4.660	96	10677	1.183	ug/L	92
34) Trichloroethene	6.534	95	10584	1.103	ug/L	95
35) Methylcyclohexane	6.685	83	11545	0.877	ug/L #	23
37) 1,2-Dichloropropane	6.682	63	5052	0.501	ug/L #	93
42) Toluene	7.968	91	10832	0.283	ug/L	96
52) Ethylbenzene	9.688	91	4813	0.119	ug/L	89
53) m,p-Xylene	9.695	106	1684	0.110	ug/L	98
61) 1,2,3-Trichloropropane	11.807	75	5739	1.099	ug/L #	67

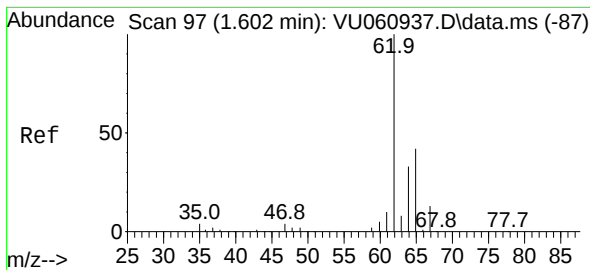
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.511 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU060942.D

Acq: 20 Sep 2024 14:51

Instrument :

MSVOA_U

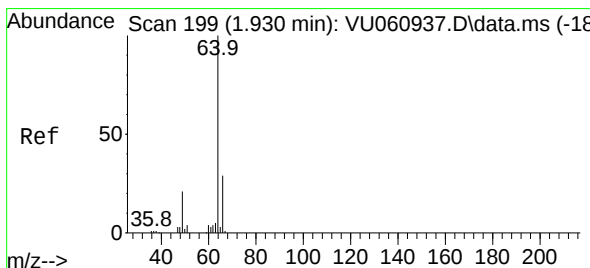
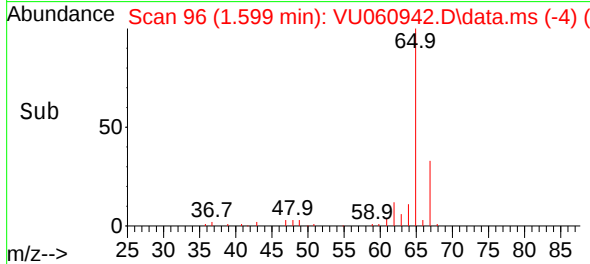
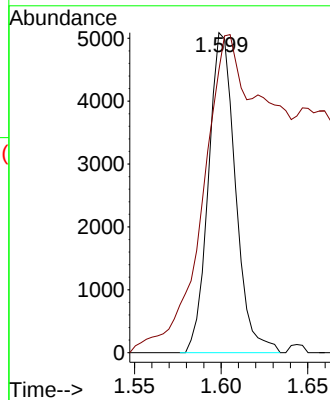
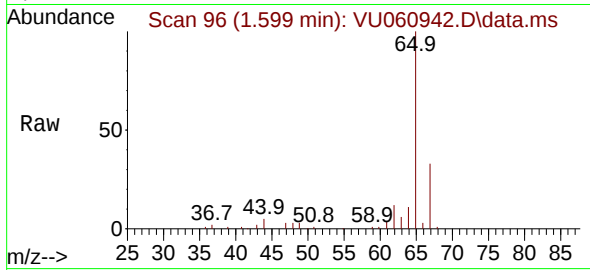
ClientSampleId :

Tgt Ion: 62 Resp: 5518

Ion Ratio Lower Upper

62 100

64 88.3 24.0 44.6#



#8

Chloroethane

Concen: 0.497 ug/L

RT: 1.930 min Scan# 199

Delta R.T. -0.000 min

Lab File: VU060942.D

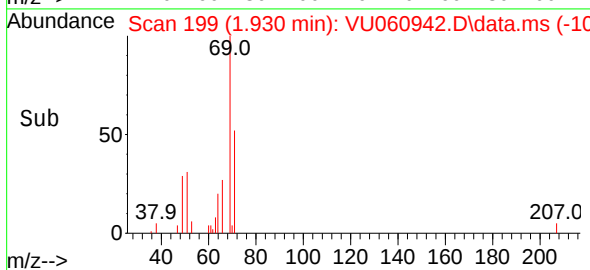
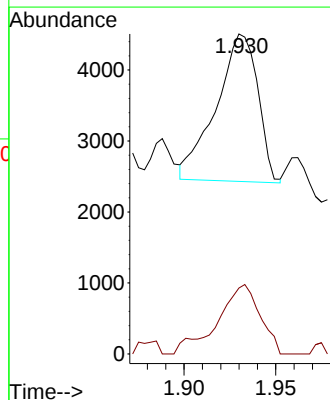
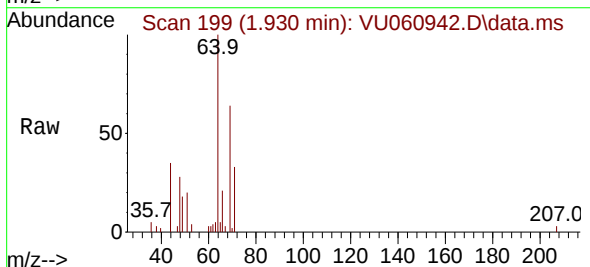
Acq: 20 Sep 2024 14:51

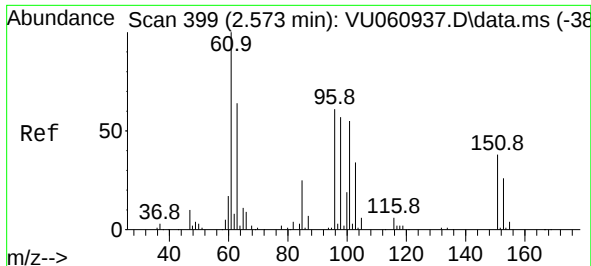
Tgt Ion: 64 Resp: 3276

Ion Ratio Lower Upper

64 100

66 20.6 22.3 41.3#





#12

1,1-Dichloroethene

Concen: 0.445 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU060942.D

Acq: 20 Sep 2024 14:51

Instrument :

MSVOA_U

ClientSampleId :

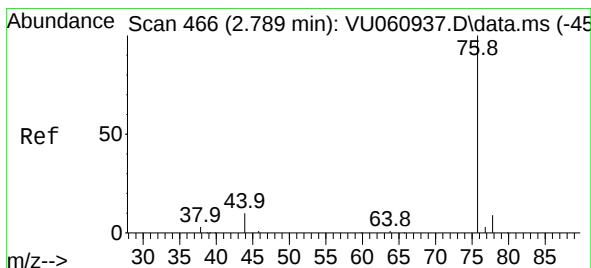
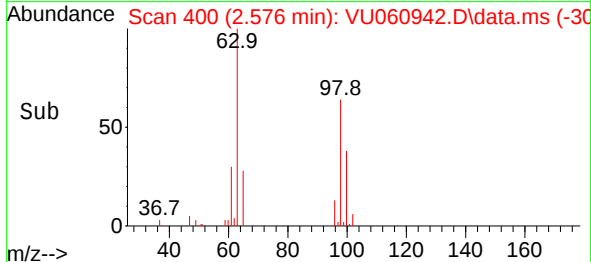
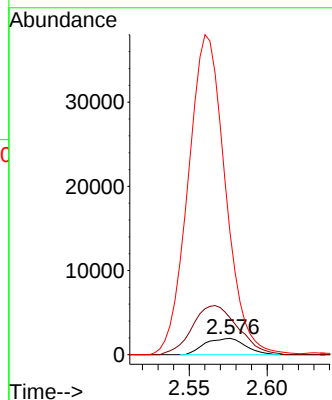
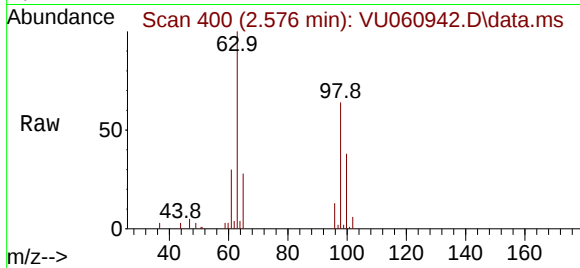
Tgt Ion: 96 Resp: 3499

Ion Ratio Lower Upper

96 100

61 226.6 120.7 224.1#

63 752.7 90.0 167.2#



#14

Carbon disulfide

Concen: 0.111 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU060942.D

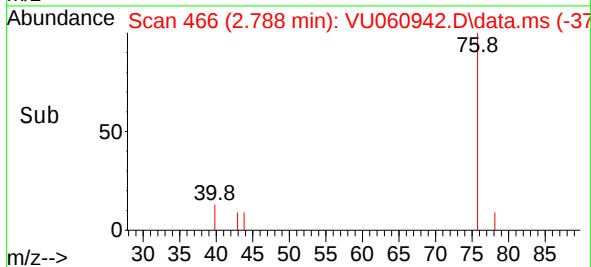
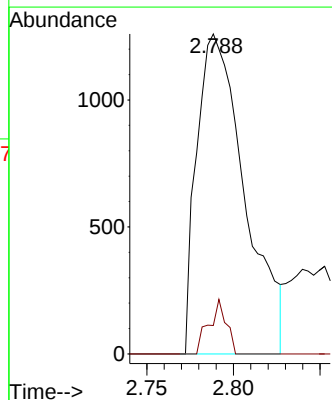
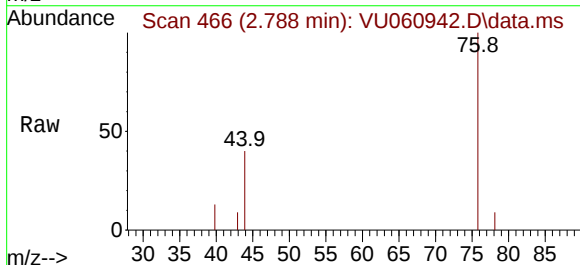
Acq: 20 Sep 2024 14:51

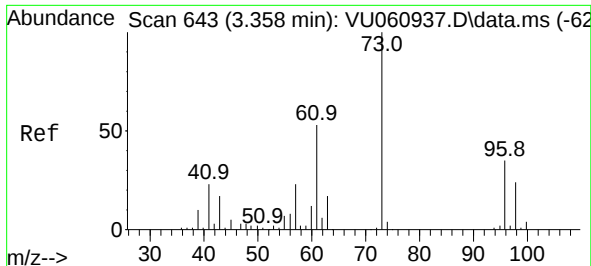
Tgt Ion: 76 Resp: 2421

Ion Ratio Lower Upper

76 100

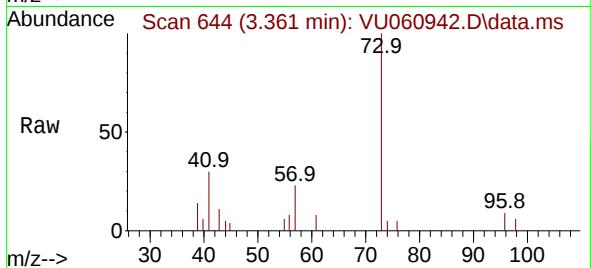
78 8.9 7.1 10.7



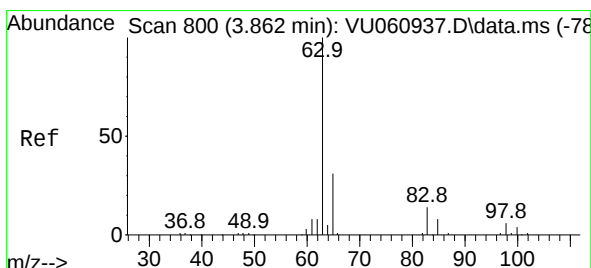
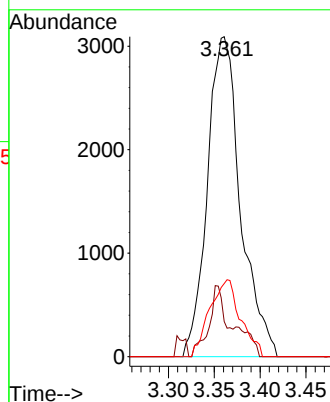
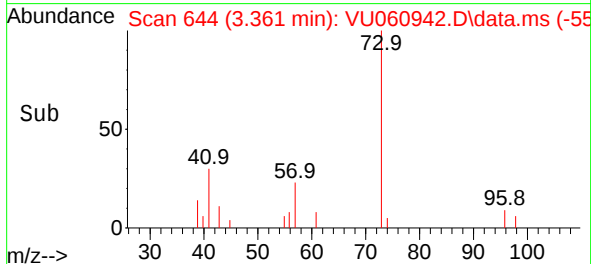


#17
Methyl tert-butyl Ether
Concen: 0.437 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU060942.D
Acq: 20 Sep 2024 14:51

Instrument :
MSVOA_U
ClientSampleId :

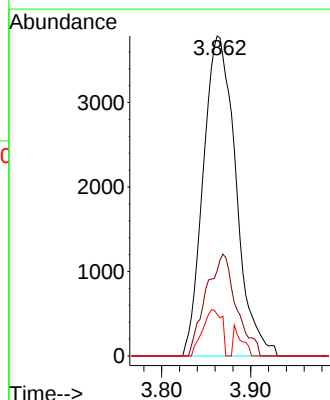
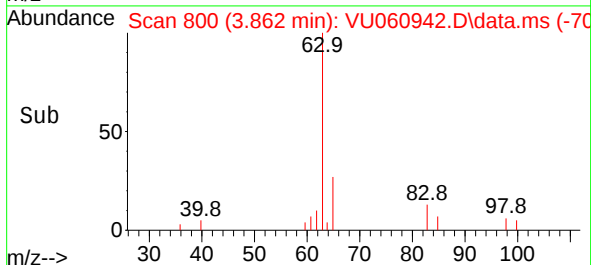
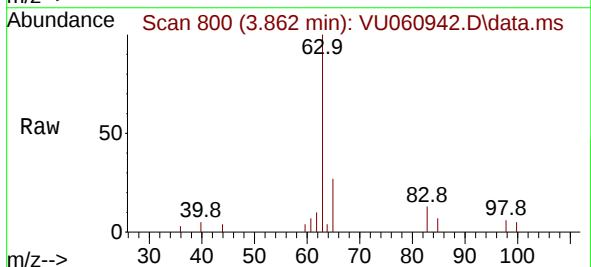


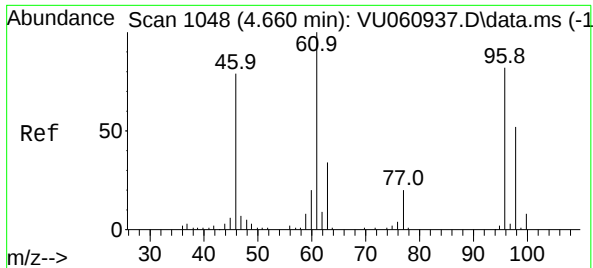
Tgt Ion: 73 Resp: 7763
Ion Ratio Lower Upper
73 100
43 11.3 13.8 20.8#
57 22.4 18.0 27.0



#19
1,1-Dichloroethane
Concen: 0.587 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.000 min
Lab File: VU060942.D
Acq: 20 Sep 2024 14:51

Tgt Ion: 63 Resp: 9613
Ion Ratio Lower Upper
63 100
65 25.5 23.0 42.8
83 12.5 9.0 16.6

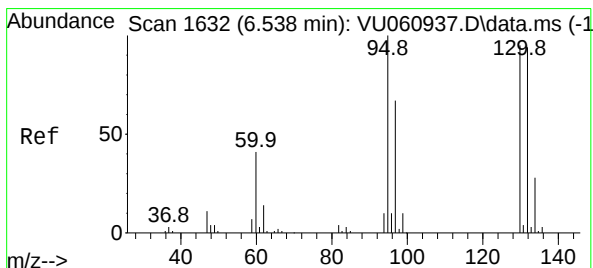
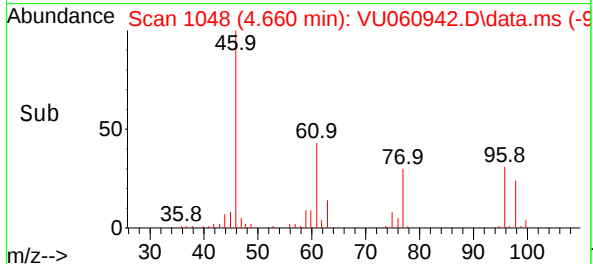
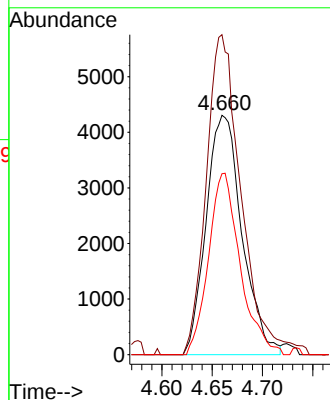
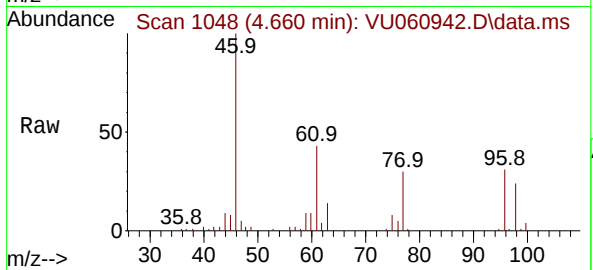




#22
cis-1,2-Dichloroethene
Concen: 1.183 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU060942.D
Acq: 20 Sep 2024 14:51

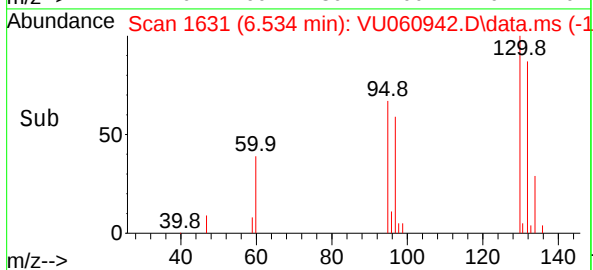
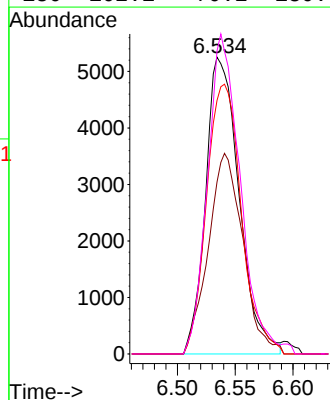
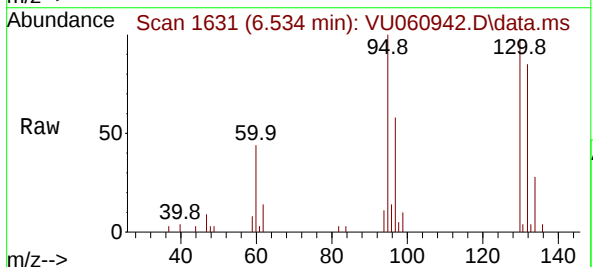
Instrument :
MSVOA_U
ClientSampleId :

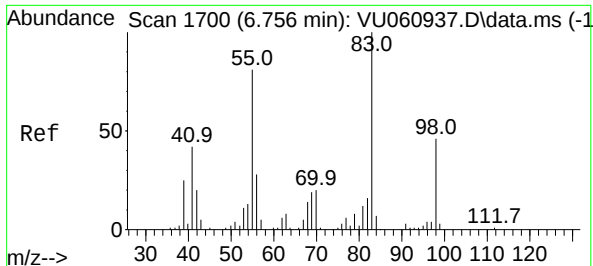
Tgt Ion: 96 Resp: 10677
Ion Ratio Lower Upper
96 100
61 133.7 89.7 166.5
98 75.6 45.1 83.9



#34
Trichloroethene
Concen: 1.103 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
Lab File: VU060942.D
Acq: 20 Sep 2024 14:51

Tgt Ion: 95 Resp: 10584
Ion Ratio Lower Upper
95 100
97 57.9 44.9 83.5
132 85.4 63.5 117.9
130 102.1 70.2 130.4

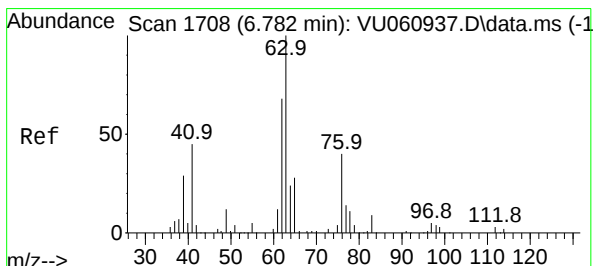
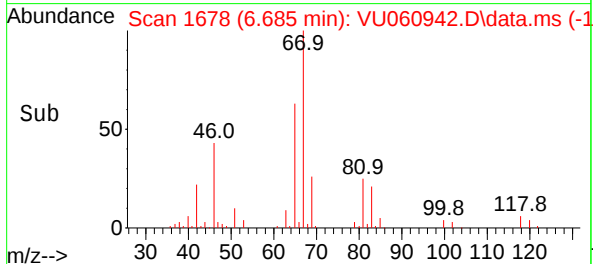
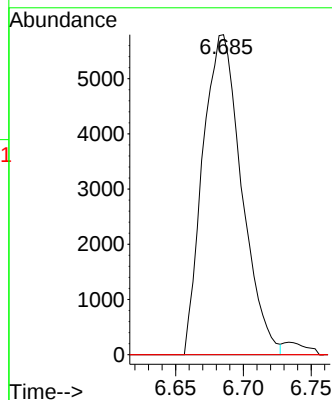
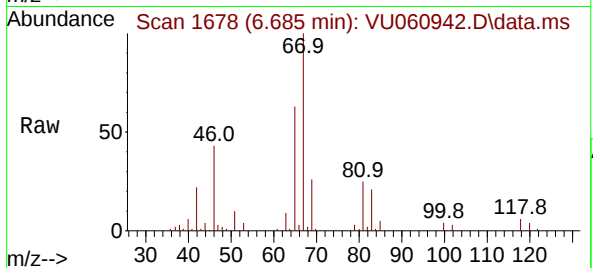




#35
Methylcyclohexane
Concen: 0.877 ug/L
RT: 6.685 min Scan# 1677
Delta R.T. -0.071 min
Lab File: VU060942.D
Acq: 20 Sep 2024 14:51

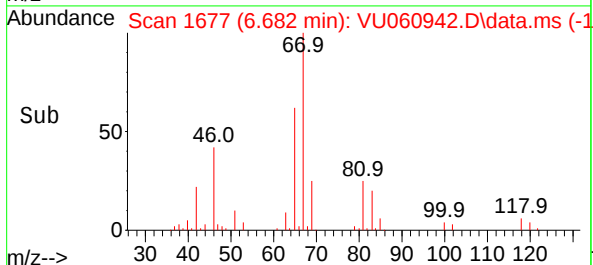
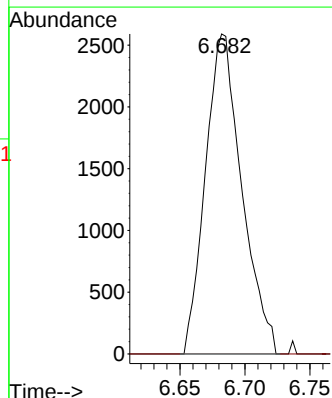
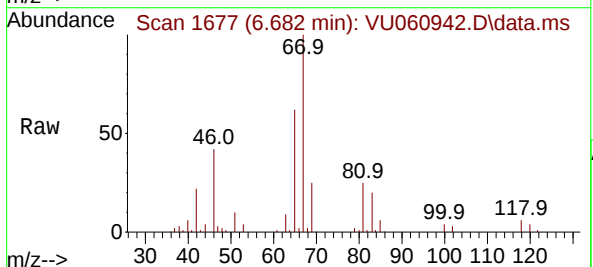
Instrument :
MSVOA_U
ClientSampleId :

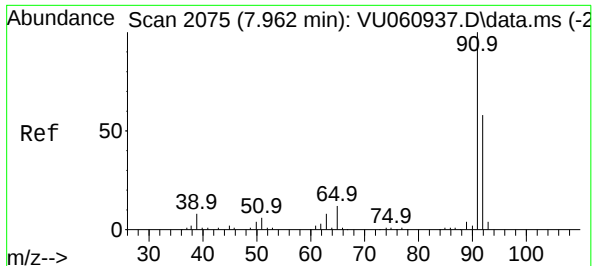
Tgt Ion: 83 Resp: 11545
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 9.8 37.6 56.4#



#37
1,2-Dichloropropane
Concen: 0.501 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.100 min
Lab File: VU060942.D
Acq: 20 Sep 2024 14:51

Tgt Ion: 63 Resp: 5052
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#





#42

Toluene

Concen: 0.283 ug/L

RT: 7.968 min Scan# 2075

Delta R.T. 0.006 min

Lab File: VU060942.D

Acq: 20 Sep 2024 14:51

Instrument :

MSVOA_U

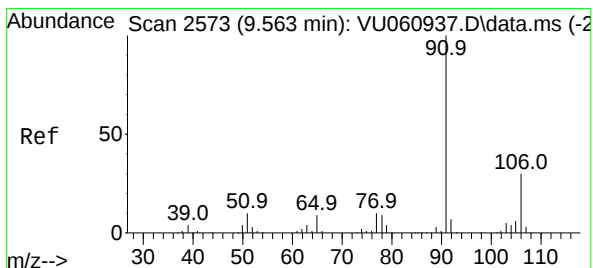
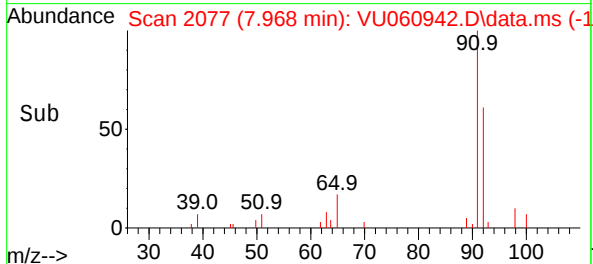
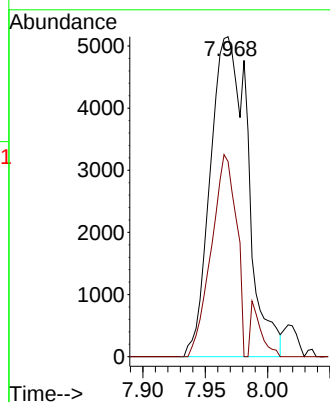
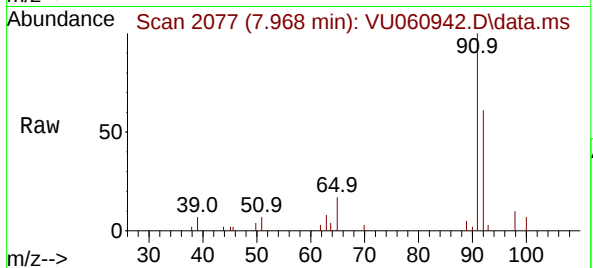
ClientSampleId :

Tgt Ion: 91 Resp: 10832

Ion Ratio Lower Upper

91 100

92 61.0 40.5 75.3



#52

Ethylbenzene

Concen: 0.119 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. 0.125 min

Lab File: VU060942.D

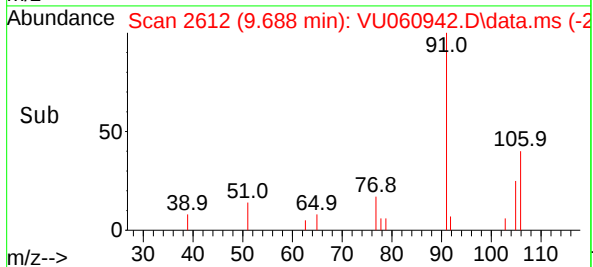
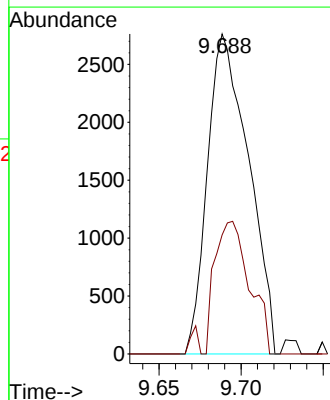
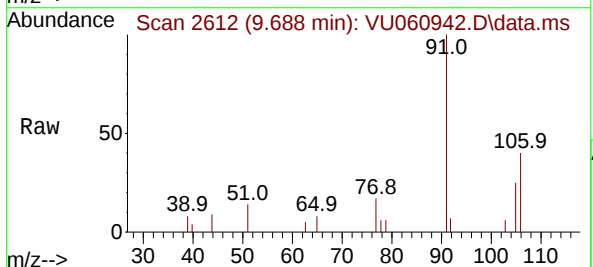
Acq: 20 Sep 2024 14:51

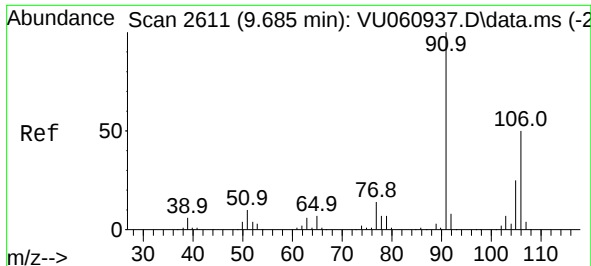
Tgt Ion: 91 Resp: 4813

Ion Ratio Lower Upper

91 100

106 37.2 21.8 40.6

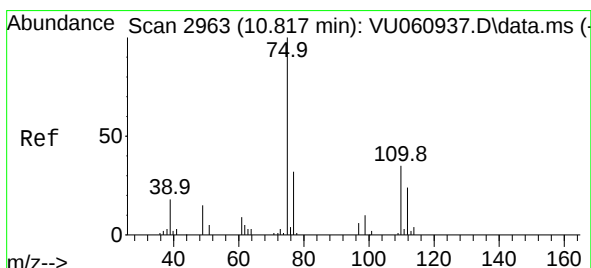
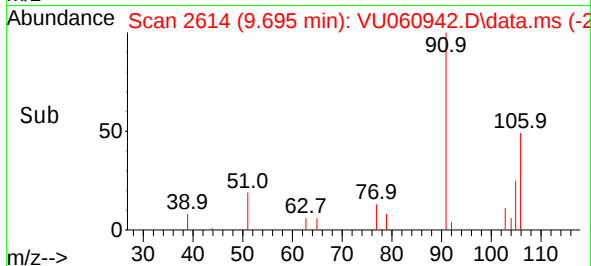
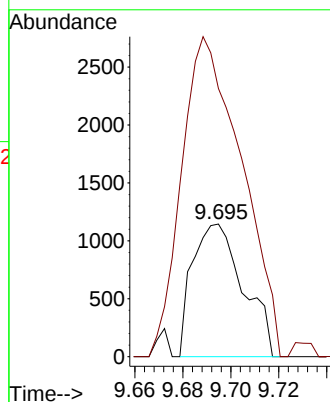
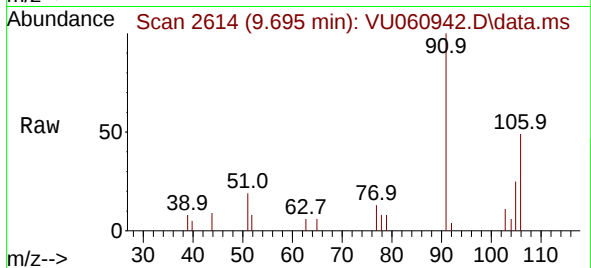




#53
m,p-Xylene
Concen: 0.110 ug/L
RT: 9.695 min Scan# 20
Delta R.T. 0.010 min
Lab File: VU060942.D
Acq: 20 Sep 2024 14:51

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:106 Resp: 1684
Ion Ratio Lower Upper
106 100
91 202.3 139.7 259.4



#61
1,2,3-Trichloropropane
Concen: 1.099 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.990 min
Lab File: VU060942.D
Acq: 20 Sep 2024 14:51

Tgt Ion: 75 Resp: 5739
Ion Ratio Lower Upper
75 100
110 0.7 28.6 43.0#
77 34.5 26.3 39.5

