

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091924\
 Data File : VU060916.D
 Acq On : 20 Sep 2024 01:00
 Operator : MD/SY
 Sample : P3987-04DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

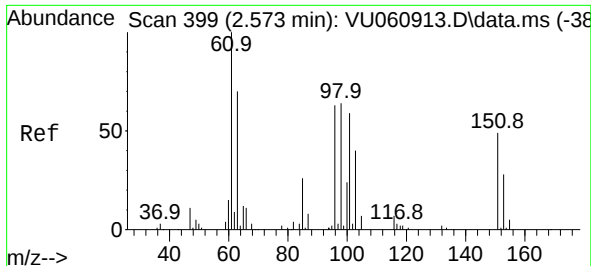
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 20 01:38:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 20 01:34:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	142335	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	146151	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	66098	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	36448	2.847	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.000%
7) Chloroethane-d5	1.911	69	33338	3.658	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.200%
11) 1,1-Dichloroethene-d2	2.554	65	15847	3.492	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.800%
20) 2-Butanone-d5	4.634	46	98475	47.915	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.820%
24) Chloroform-d	5.052	84	86440	4.417	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.692	65	43304	4.629	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	5.718	84	155481	3.969	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.400%
36) 1,2-Dichloropropane-d6	6.682	67	52396	4.323	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.400%
41) Toluene-d8	7.891	98	131517	3.683	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.600%
43) trans-1,3-Dichloroprop...	8.177	79	17631	4.041	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.800%
46) 2-Hexanone-d5	8.637	63	86131	50.049	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.100%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	45918	4.836	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	52962	4.769	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.400%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.567	96	65024	7.263	ug/L	81
16) Methylene chloride	3.036	84	7734	0.746	ug/L	96
18) trans-1,2-Dichloroethene	3.348	96	1360	0.147	ug/L	98
19) 1,1-Dichloroethane	3.856	63	192399	10.329	ug/L	97
22) cis-1,2-Dichloroethene	4.653	96	80707	7.860	ug/L	97
34) Trichloroethene	6.531	95	223798	21.244	ug/L	95
35) Methylcyclohexane	6.685	83	12215	0.845	ug/L #	41
37) 1,2-Dichloropropane	6.679	63	5226	0.472	ug/L #	93
42) Toluene	7.965	91	30282	0.721	ug/L	93
52) Ethylbenzene	9.566	91	7103	0.161	ug/L	89
53) m,p-Xylene	9.689	106	10429	0.622	ug/L	85
54) o-Xylene	10.097	106	2815	0.170	ug/L	92
61) 1,2,3-Trichloropropane	11.807	75	6601	1.071	ug/L #	68
62) 1,3,5-Trimethylbenzene	11.467	105	3721	0.122	ug/L	93
63) 1,2,4-Trimethylbenzene	11.467	105	3721	0.124	ug/L	89

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



#12

1,1-Dichloroethene

Concen: 7.263 ug/L

RT: 2.567 min Scan# 399

Delta R.T. -0.006 min

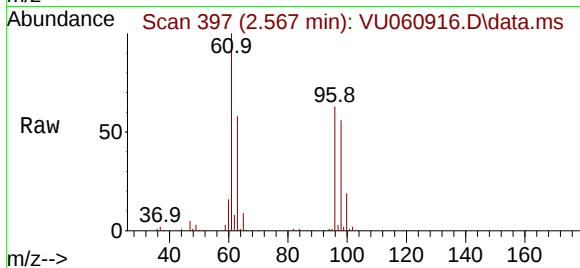
Lab File: VU060916.D

Acq: 20 Sep 2024 01:00

Instrument :

MSVOA_U

ClientSampleId :



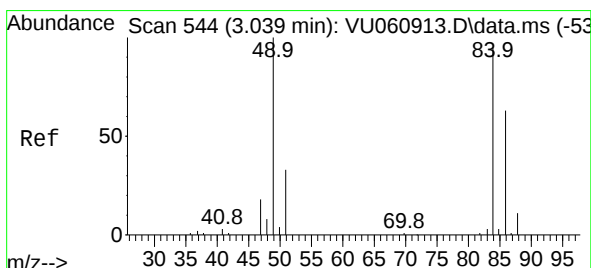
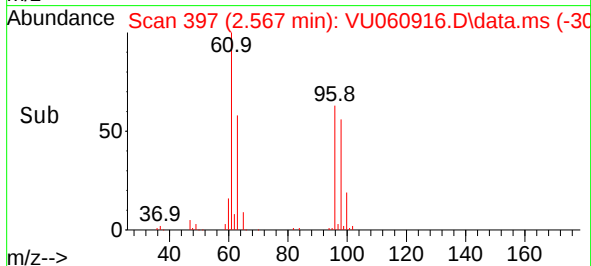
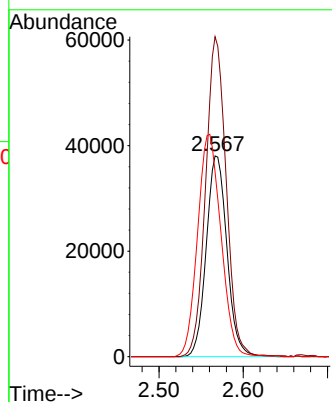
Tgt Ion: 96 Resp: 65024

Ion Ratio Lower Upper

96 100

61 159.4 120.7 224.1

63 92.1 90.0 167.2



#16

Methylene chloride

Concen: 0.746 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU060916.D

Acq: 20 Sep 2024 01:00

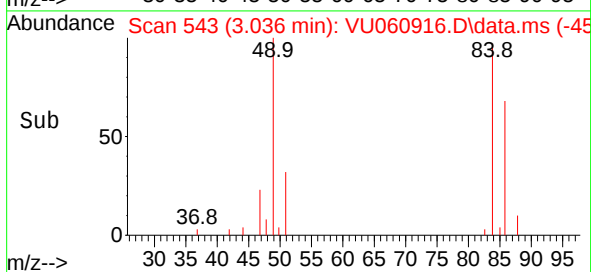
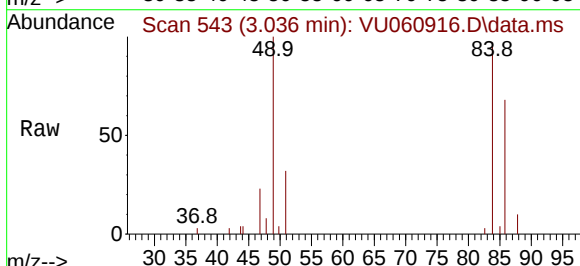
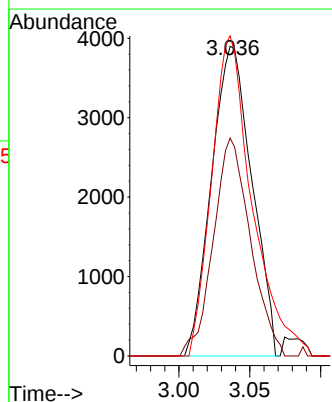
Tgt Ion: 84 Resp: 7734

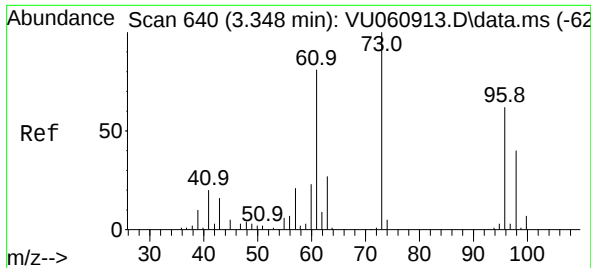
Ion Ratio Lower Upper

84 100

86 70.3 47.3 87.8

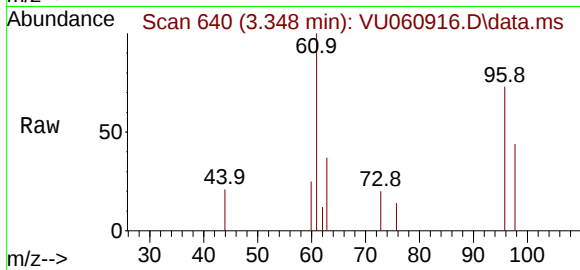
49 107.3 78.7 146.1



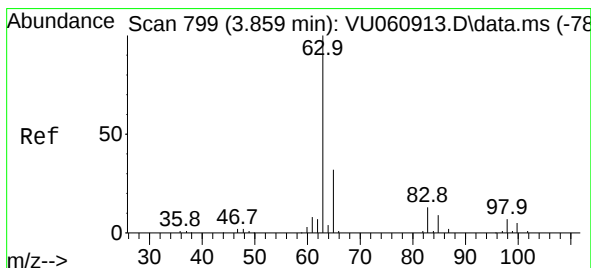
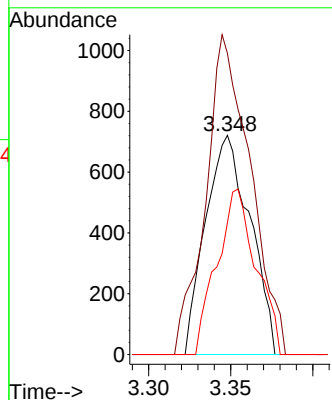
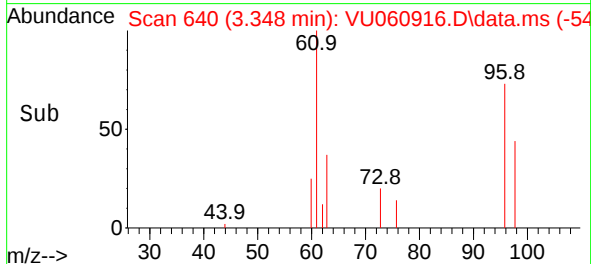


#18
trans-1,2-Dichloroethene
Concen: 0.147 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU060916.D
Acq: 20 Sep 2024 01:00

Instrument :
MSVOA_U
ClientSampleId :

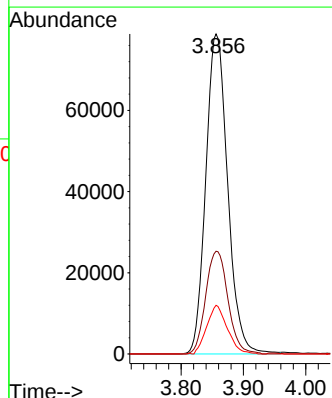
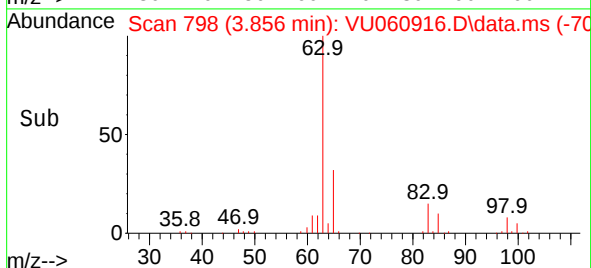
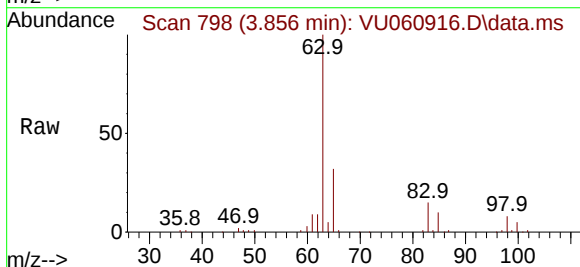


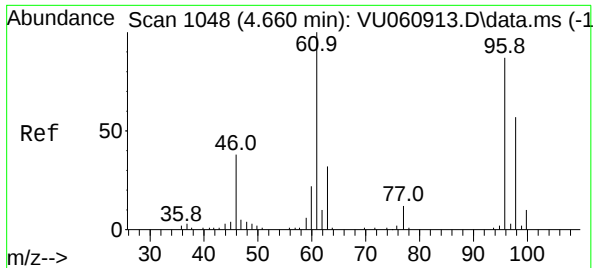
Tgt Ion: 96 Resp: 1360
Ion Ratio Lower Upper
96 100
61 137.4 97.2 180.6
98 60.1 43.3 80.5



#19
1,1-Dichloroethane
Concen: 10.329 ug/L
RT: 3.856 min Scan# 798
Delta R.T. -0.003 min
Lab File: VU060916.D
Acq: 20 Sep 2024 01:00

Tgt Ion: 63 Resp: 192399
Ion Ratio Lower Upper
63 100
65 32.1 23.0 42.8
83 15.2 9.0 16.6





#22

cis-1,2-Dichloroethene

Concen: 7.860 ug/L

RT: 4.653 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU060916.D

Acq: 20 Sep 2024 01:00

Instrument :

MSVOA_U

ClientSampleId :

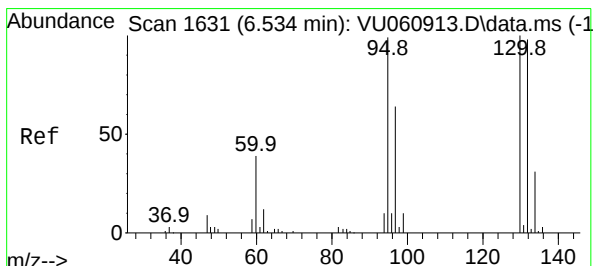
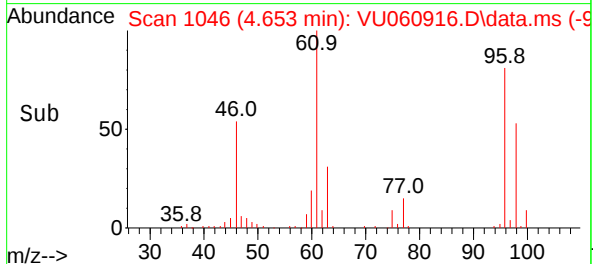
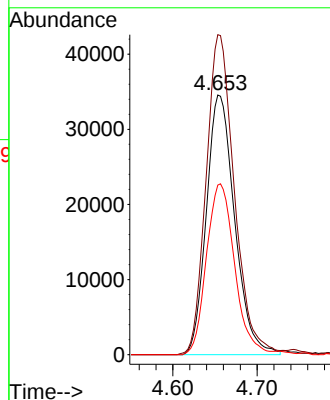
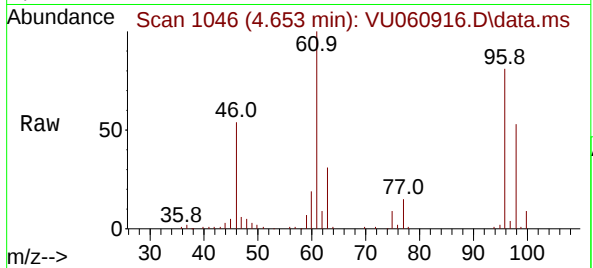
Tgt Ion: 96 Resp: 80707

Ion Ratio Lower Upper

96 100

61 123.3 89.7 166.5

98 65.3 45.1 83.9



#34

Trichloroethene

Concen: 21.244 ug/L

RT: 6.531 min Scan# 1630

Delta R.T. -0.003 min

Lab File: VU060916.D

Acq: 20 Sep 2024 01:00

Tgt Ion: 95 Resp: 223798

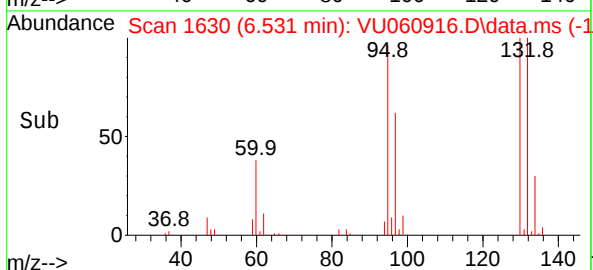
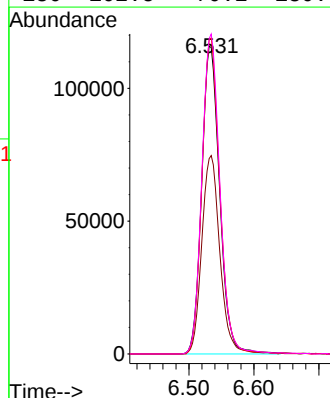
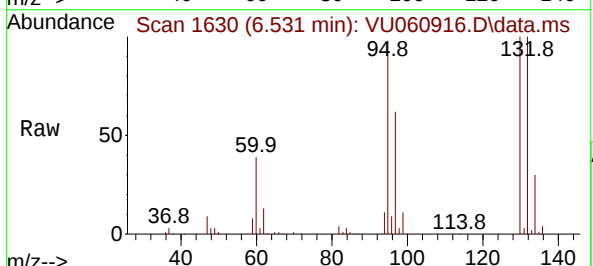
Ion Ratio Lower Upper

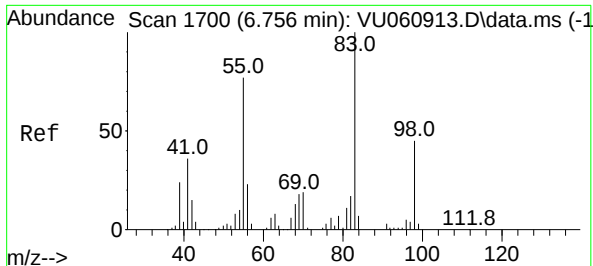
95 100

97 63.5 44.9 83.5

132 102.0 63.5 117.9

130 102.5 70.2 130.4

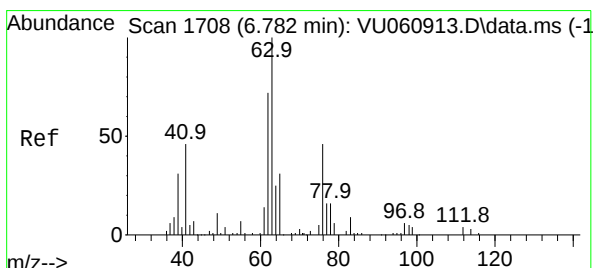
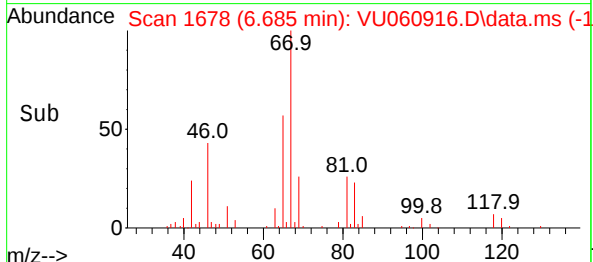
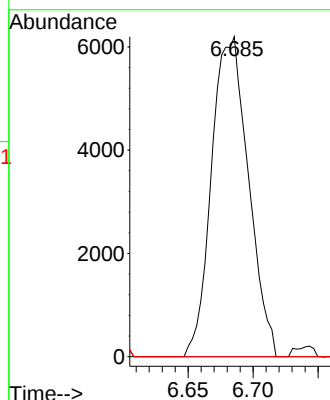
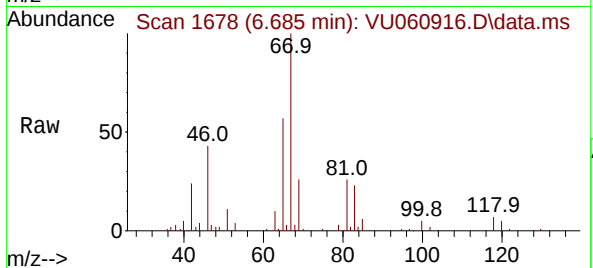




#35
Methylcyclohexane
Concen: 0.845 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.071 min
Lab File: VU060916.D
Acq: 20 Sep 2024 01:00

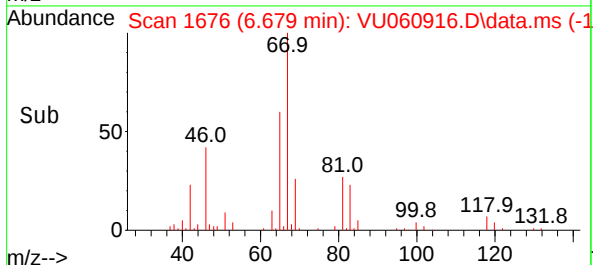
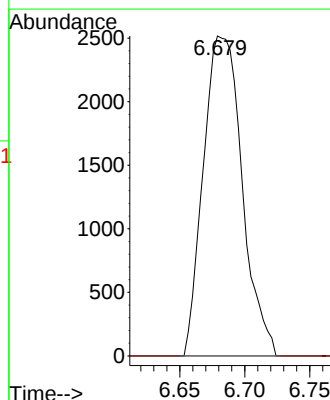
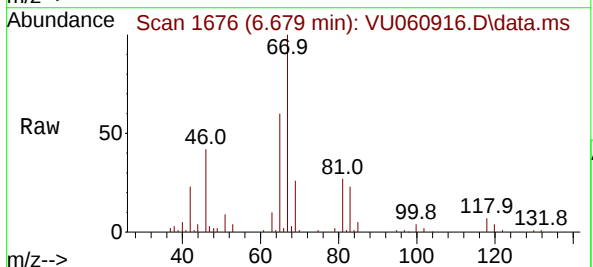
Instrument :
MSVOA_U
ClientSampleId :

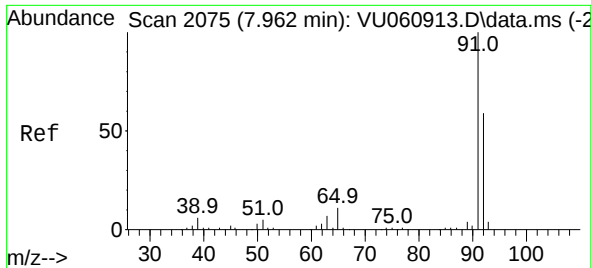
Tgt Ion: 83 Resp: 12215
Ion Ratio Lower Upper
83 100
55 0.4 62.6 94.0#
98 41.6 37.6 56.4



#37
1,2-Dichloropropane
Concen: 0.472 ug/L
RT: 6.679 min Scan# 1676
Delta R.T. -0.103 min
Lab File: VU060916.D
Acq: 20 Sep 2024 01:00

Tgt Ion: 63 Resp: 5226
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#





#42

Toluene

Concen: 0.721 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU060916.D

Acq: 20 Sep 2024 01:00

Instrument :

MSVOA_U

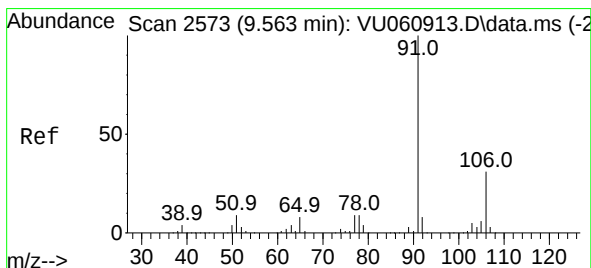
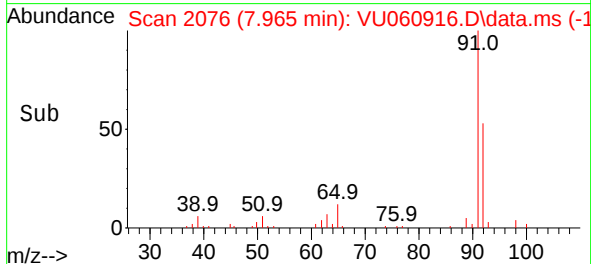
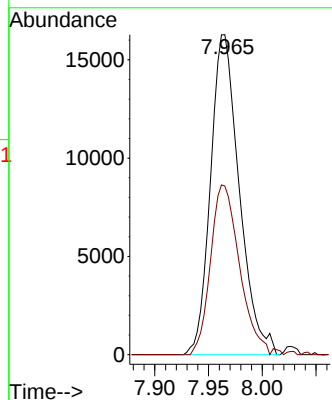
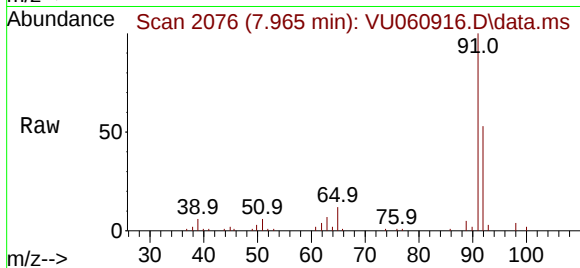
ClientSampleId :

Tgt Ion: 91 Resp: 30282

Ion Ratio Lower Upper

91 100

92 52.7 40.5 75.3



#52

Ethylbenzene

Concen: 0.161 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. 0.003 min

Lab File: VU060916.D

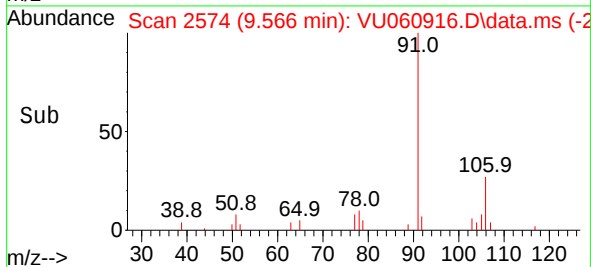
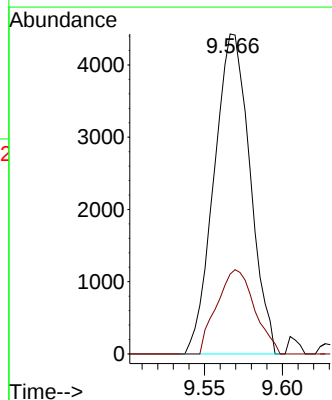
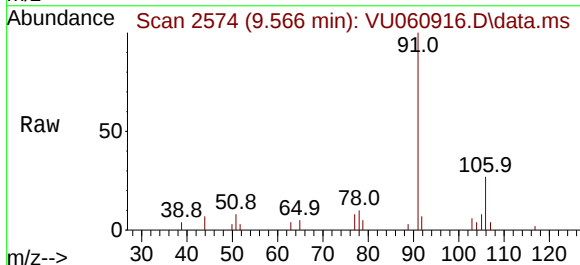
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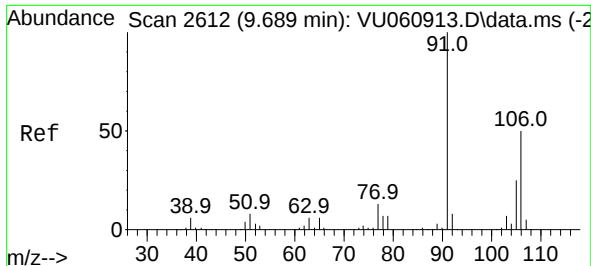
Tgt Ion: 91 Resp: 7103

Ion Ratio Lower Upper

91 100

106 25.0 21.8 40.6





#53

m,p-Xylene

Concen: 0.622 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU060916.D

Acq: 20 Sep 2024 01:00

Instrument :

MSVOA_U

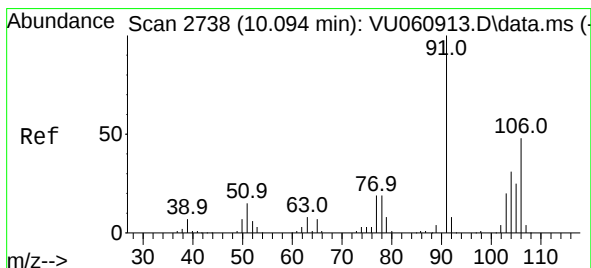
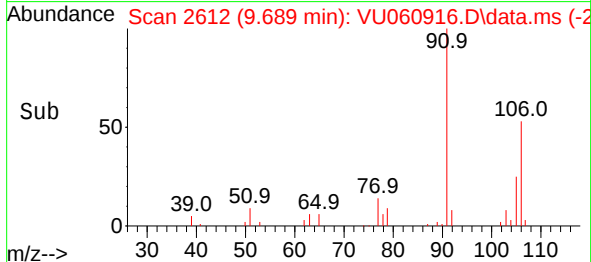
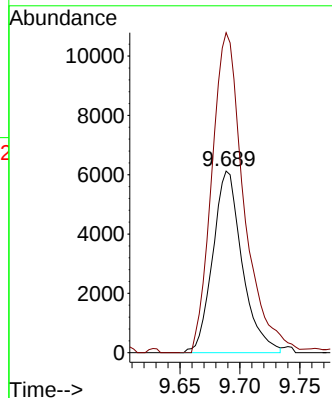
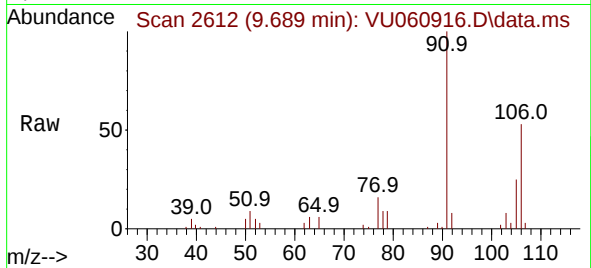
ClientSampleId :

Tgt Ion:106 Resp: 10429

Ion Ratio Lower Upper

106 100

91 176.3 139.7 259.4



#54

o-Xylene

Concen: 0.170 ug/L

RT: 10.097 min Scan# 2739

Delta R.T. 0.003 min

Lab File: VU060916.D

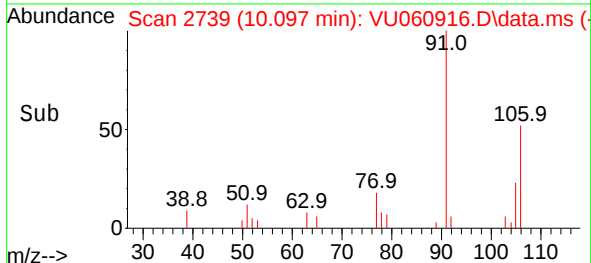
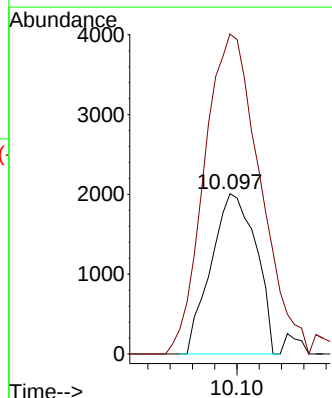
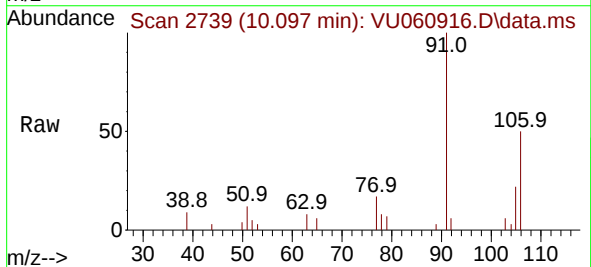
Acq: 20 Sep 2024 01:00

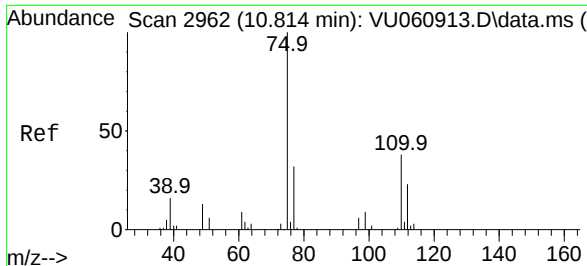
Tgt Ion:106 Resp: 2815

Ion Ratio Lower Upper

106 100

91 199.6 148.6 276.0

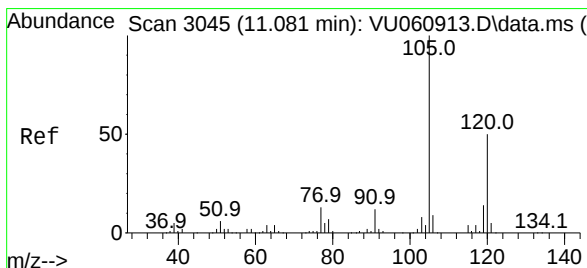
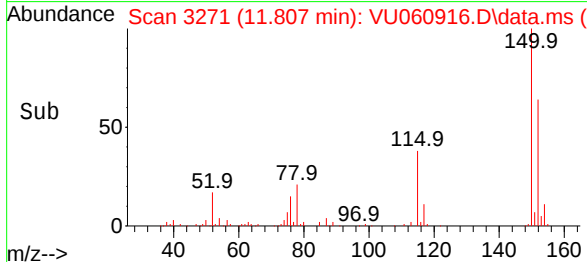
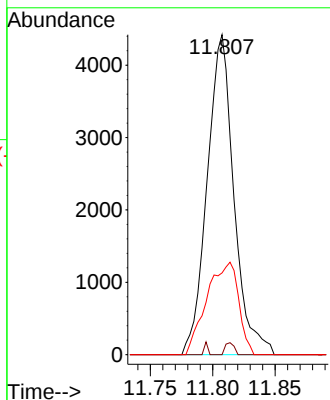
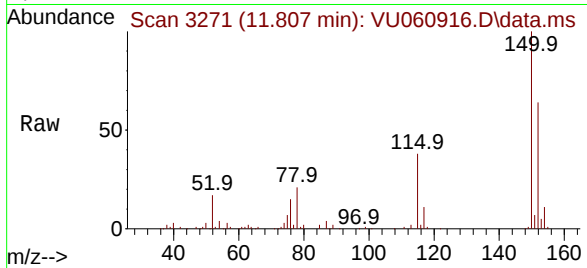




#61
1,2,3-Trichloropropane
Concen: 1.071 ug/L
RT: 11.807 min Scan# 3165
Delta R.T. 0.994 min
Lab File: VU060916.D
Acq: 20 Sep 2024 01:00

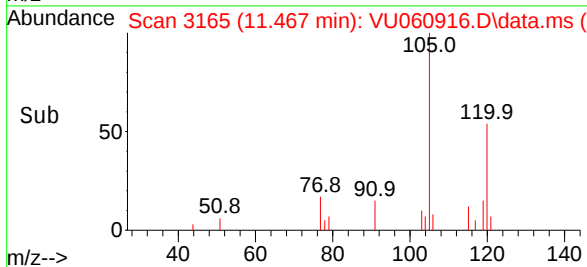
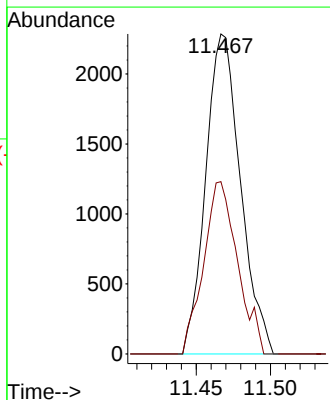
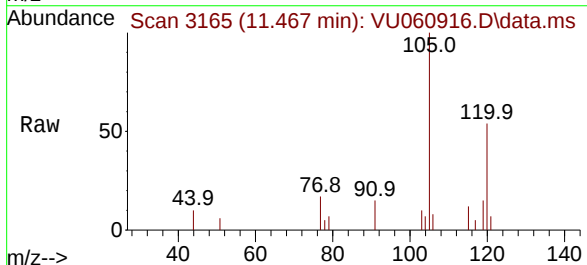
Instrument :
MSVOA_U
ClientSampleId :

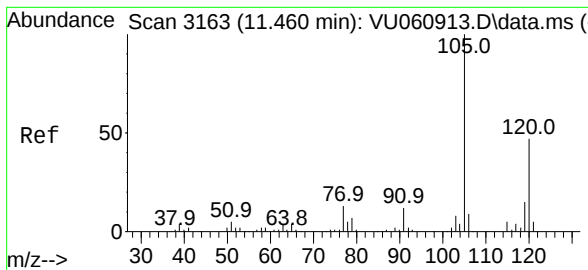
Tgt Ion: 75 Resp: 6601
Ion Ratio Lower Upper
75 100
110 1.3 28.6 43.0#
77 34.3 26.3 39.5



#62
1,3,5-Trimethylbenzene
Concen: 0.122 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.386 min
Lab File: VU060916.D
Acq: 20 Sep 2024 01:00

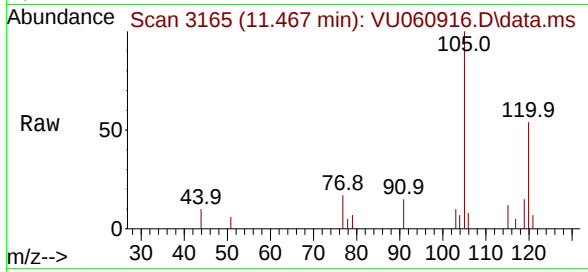
Tgt Ion: 105 Resp: 3721
Ion Ratio Lower Upper
105 100
120 52.5 38.5 57.7





#63
 1,2,4-Trimethylbenzene
 Concen: 0.124 ug/L
 RT: 11.467 min Scan# 3165
 Delta R.T. 0.006 min
 Lab File: VU060916.D
 Acq: 20 Sep 2024 01:00

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	105	Resp:	3721
Ion Ratio	Lower	Upper	
105	100		
120	52.5	36.1	54.1

