

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121324\
 Data File : VU062312.D
 Acq On : 13 Dec 2024 14:58
 Operator : MD/SY
 Sample : P5262-05
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E2AX2

Quant Time: Dec 14 03:49:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 14 03:45:56 2024
 Response via : Initial Calibration

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

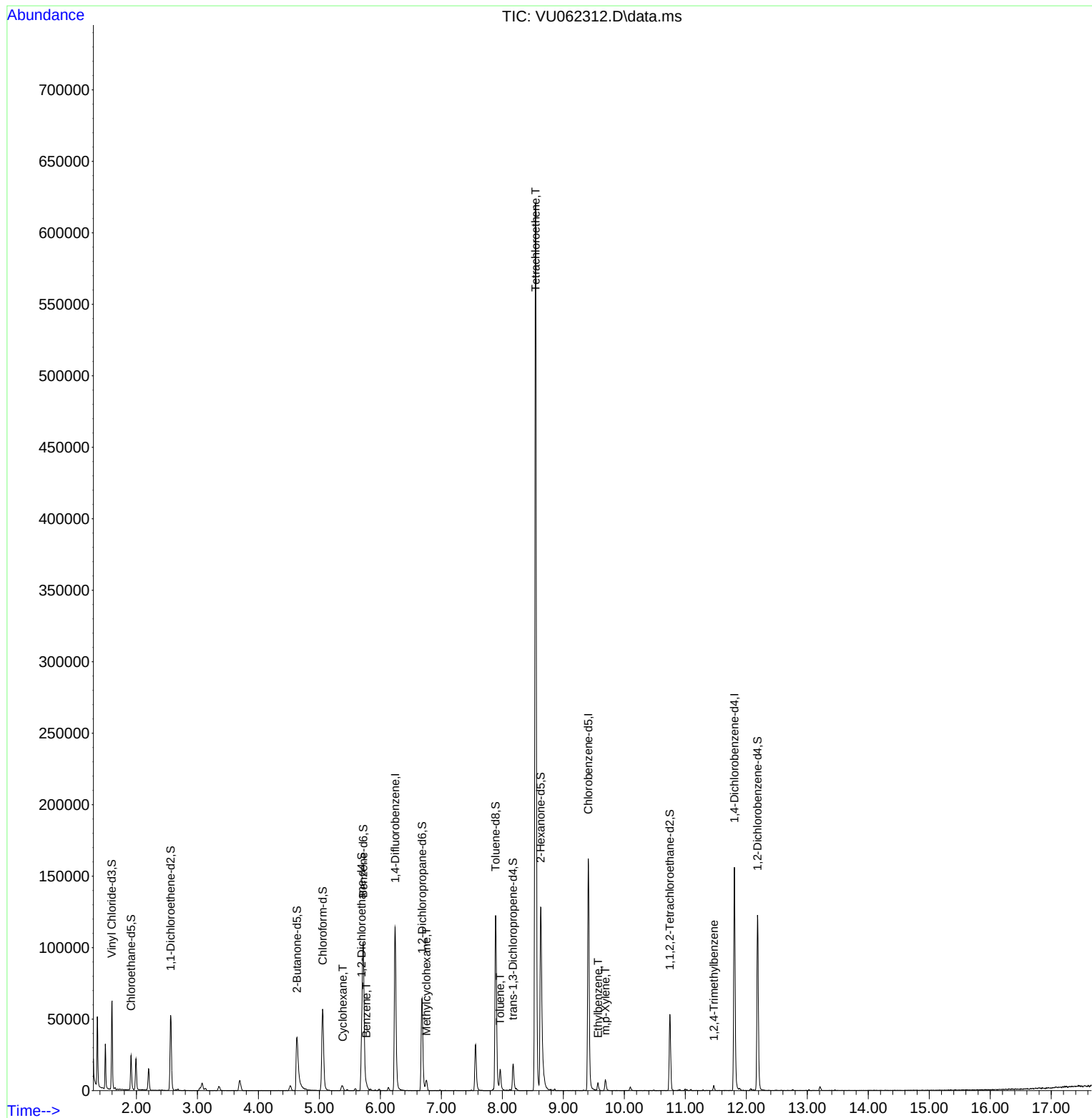
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	97521	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	93775	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	44957	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	20062	3.050	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.000%
7) Chloroethane-d5	1.911	69	17788	3.802	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.000%
11) 1,1-Dichloroethene-d2	2.560	65	10606	3.389	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.800%
20) 2-Butanone-d5	4.631	46	62264	49.391	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.780%
24) Chloroform-d	5.052	84	56672	3.981	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.600%
26) 1,2-Dichloroethane-d4	5.692	65	30173	4.310	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
32) Benzene-d6	5.718	84	99389	3.680	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.600%
36) 1,2-Dichloropropane-d6	6.682	67	31328	4.054	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.000%
41) Toluene-d8	7.888	98	89592	3.511	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.200%
43) trans-1,3-Dichloroprop...	8.174	79	13080	3.845	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.000%
46) 2-Hexanone-d5	8.627	63	47682	46.464	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.920%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	26348	4.382	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.600%
66) 1,2-Dichlorobenzene-d4	12.184	152	35092	4.236	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.800%
Target Compounds						
30) Cyclohexane	5.383	56	1708	0.160	ug/L	98
33) Benzene	5.769	78	3928	0.135	ug/L	100
35) Methylcyclohexane	6.753	83	3386	0.277	ug/L #	87
42) Toluene	7.962	91	11928	0.381	ug/L	99
47) Tetrachloroethene	8.544	164	139037	21.875	ug/L	97
52) Ethylbenzene	9.566	91	4631	0.132	ug/L	99
53) m,p-Xylene	9.689	106	2655	0.205	ug/L	90
63) 1,2,4-Trimethylbenzene	11.467	105	2733	0.101	ug/L	94

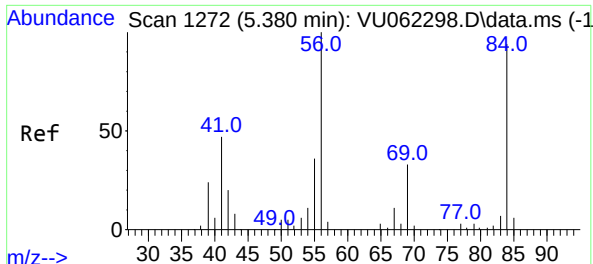
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#30

Cyclohexane

Concen: 0.160 ug/L

RT: 5.383 min Scan# 11

Delta R.T. 0.003 min

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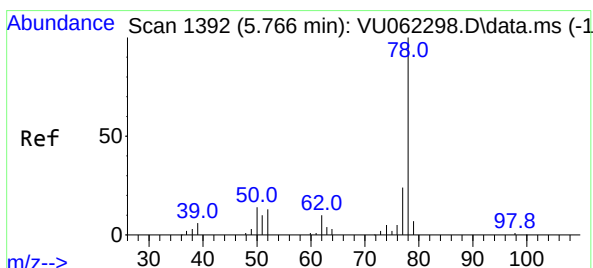
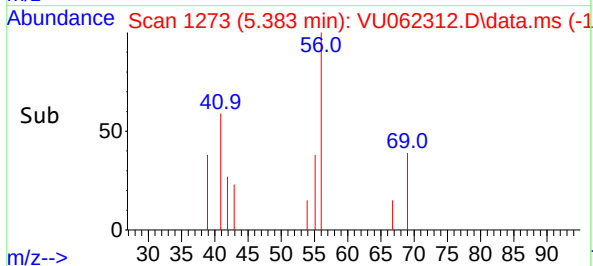
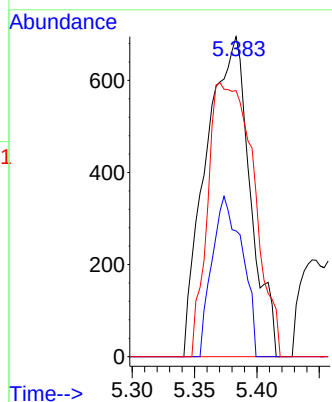
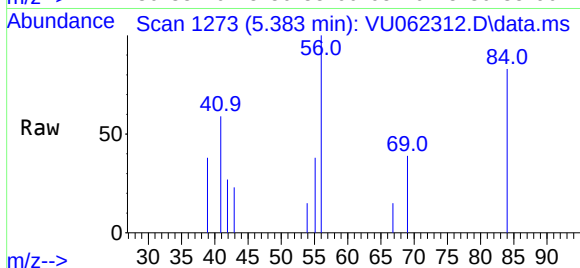
Tgt Ion: 56 Resp: 1708

Ion Ratio Lower Upper

56 100

69 34.4 25.1 37.7

84 89.4 70.6 105.8



#33

Benzene

Concen: 0.135 ug/L

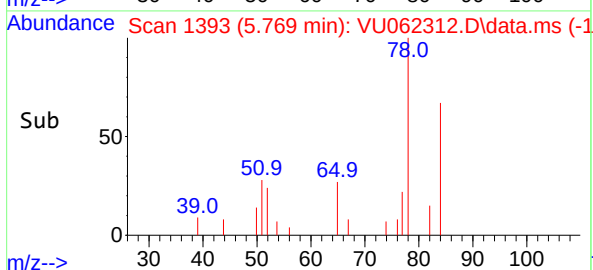
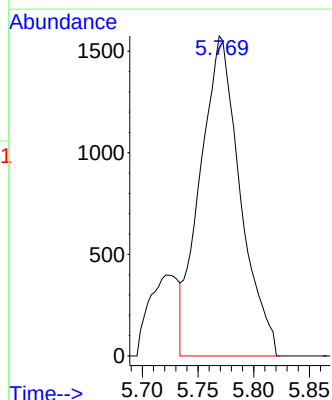
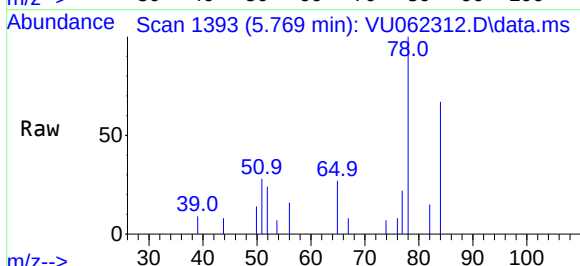
RT: 5.769 min Scan# 1393

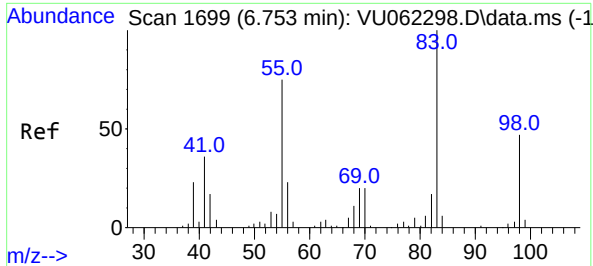
Delta R.T. 0.003 min

Lab File: VU062312.D

Acq: 13 Dec 2024 14:58

Tgt Ion: 78 Resp: 3928

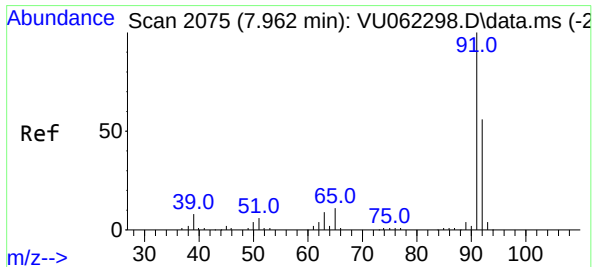
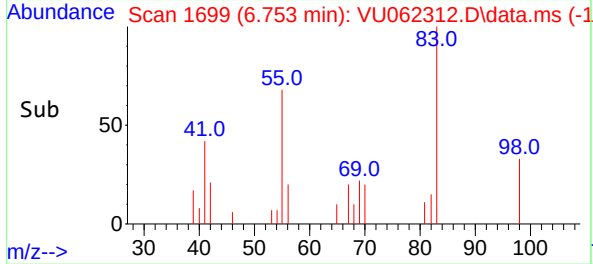
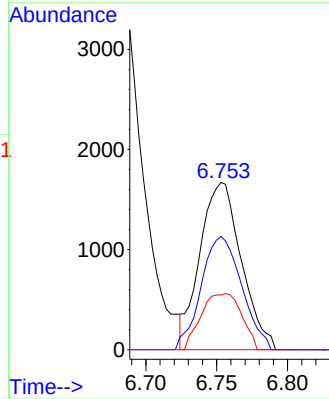
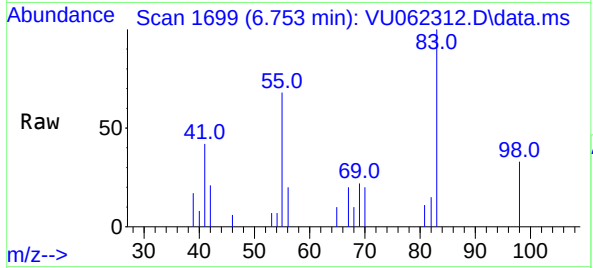




#35
Methylcyclohexane
Concen: 0.277 ug/L
RT: 6.753 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU062312.D
Acq: 13 Dec 2024 14:58

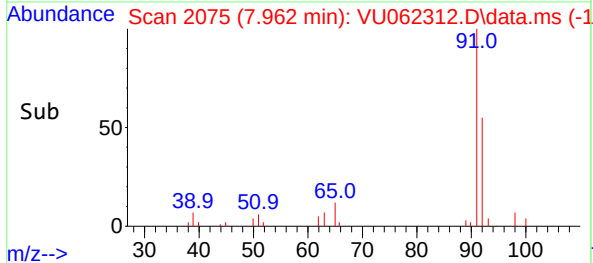
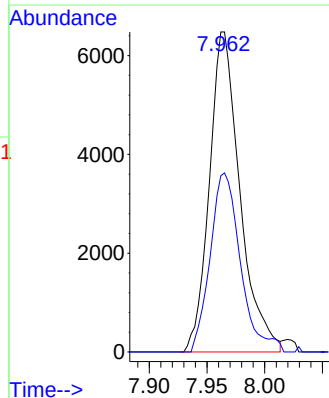
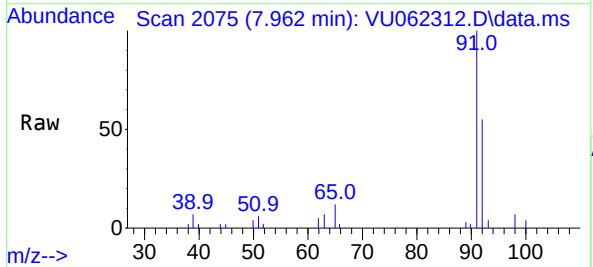
Instrument :
MSVOA_U
ClientSampleId :
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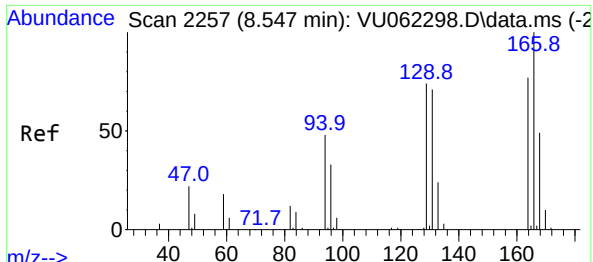
Tgt Ion: 83 Resp: 3386
Ion Ratio Lower Upper
83 100
55 66.4 60.7 91.1
98 32.7 34.8 52.2#



#42
Toluene
Concen: 0.381 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. 0.000 min
Lab File: VU062312.D
Acq: 13 Dec 2024 14:58

Tgt Ion: 91 Resp: 11928
Ion Ratio Lower Upper
91 100
92 55.1 39.0 72.4

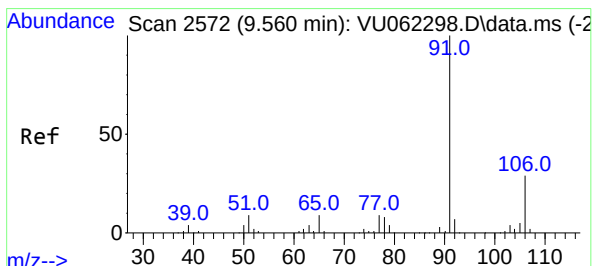
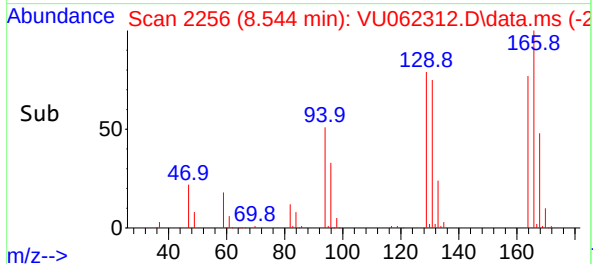
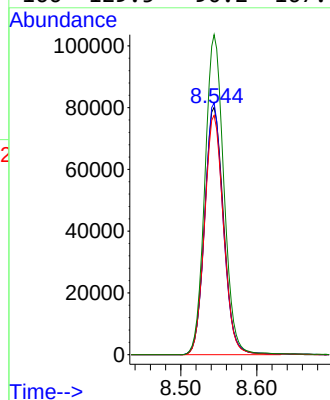
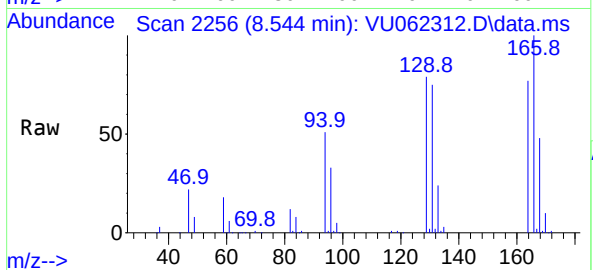




#47
Tetrachloroethene
Concen: 21.875 ug/L
RT: 8.544 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU062312.D
Acq: 13 Dec 2024 14:58

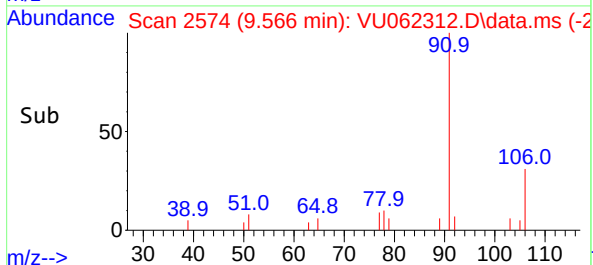
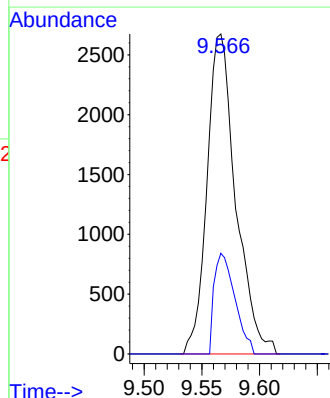
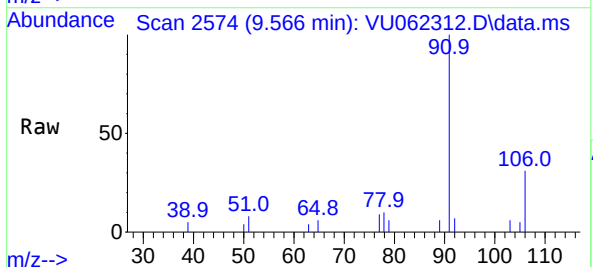
Instrument :
MSVOA_U
ClientSampleId :
E2AX2

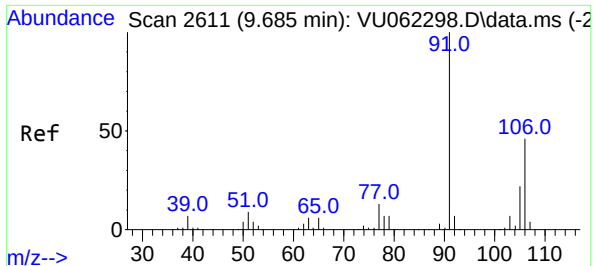
Tgt Ion:164 Resp: 139037
Ion Ratio Lower Upper
164 100
129 101.9 73.2 136.0
131 96.9 72.3 134.3
166 129.5 90.2 167.4



#52
Ethylbenzene
Concen: 0.132 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.007 min
Lab File: VU062312.D
Acq: 13 Dec 2024 14:58

Tgt Ion: 91 Resp: 4631
Ion Ratio Lower Upper
91 100
106 31.5 21.6 40.0

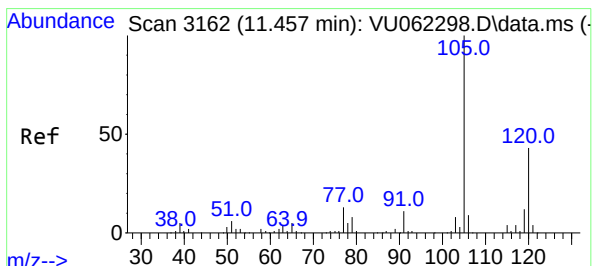
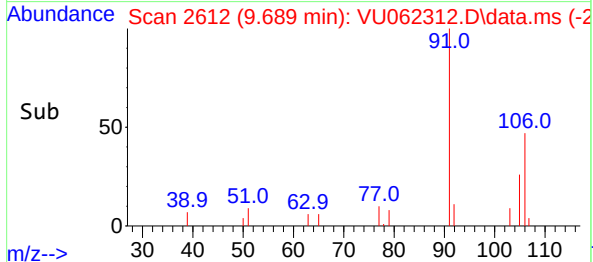
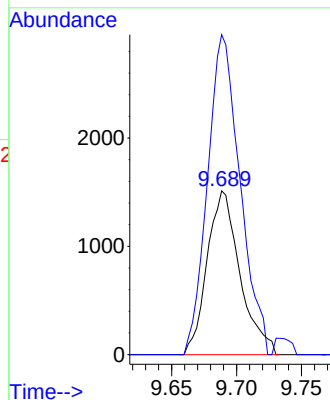
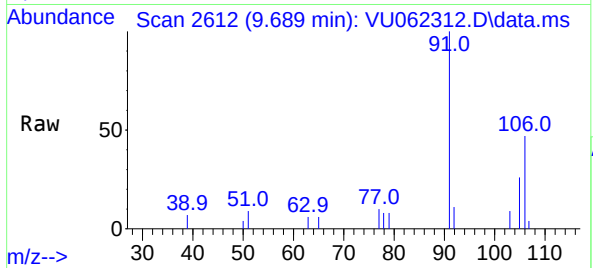




#53
m,p-Xylene
Concen: 0.205 ug/L
RT: 9.689 min Scan# 2611
Delta R.T. 0.003 min
Lab File: VU062312.D
Acq: 13 Dec 2024 14:58

Instrument :
MSVOA_U
ClientSampleId :
E2AX2

Tgt Ion:106 Resp: 2655
Ion Ratio Lower Upper
106 100
91 195.4 147.6 274.0



#63
1,2,4-Trimethylbenzene
Concen: 0.101 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.010 min
Lab File: VU062312.D
Acq: 13 Dec 2024 14:58

Tgt Ion:105 Resp: 2733
Ion Ratio Lower Upper
105 100
120 39.8 34.7 52.1

