

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
 Data File : VU051151.D
 Acq On : 06 Oct 2022 01:28
 Operator : JC/MD
 Sample : N4890-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EY0E1

Quant Time: Oct 06 06:33:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 06 06:20:30 2022
 Response via : Initial Calibration

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

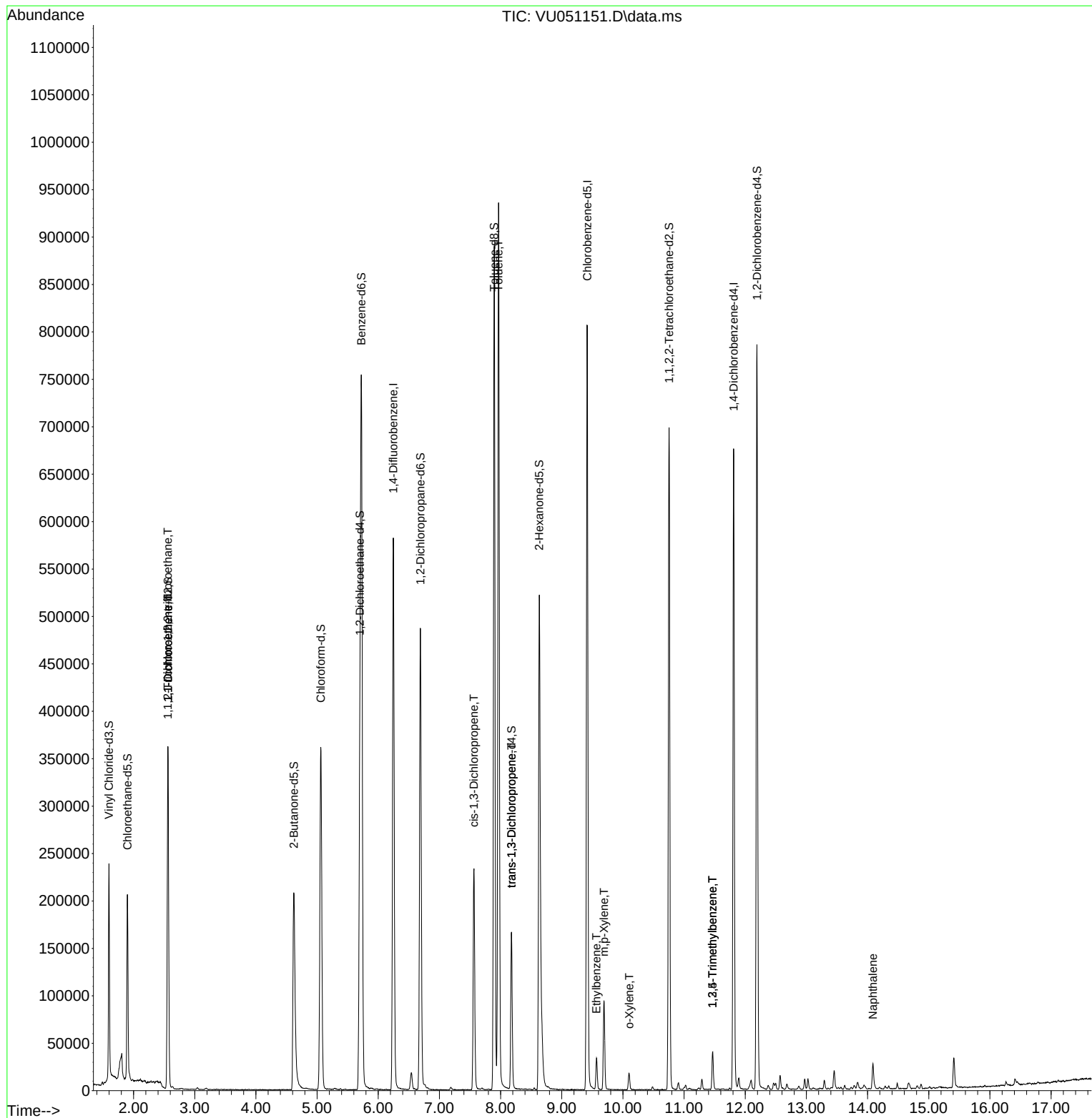
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	470930	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	461141	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	181818	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	154565	32.386	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.780%
7) Chloroethane-d5	1.900	69	149092	33.629	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	67.260%#
11) 1,1-Dichloroethene-d2	2.562	63	212228	30.104	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.200%
21) 2-Butanone-d5	4.620	46	301526	97.409	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.410%
24) Chloroform-d	5.060	84	345104	44.881	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.760%
26) 1,2-Dichloroethane-d4	5.700	65	227259	47.749	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.500%
32) Benzene-d6	5.726	84	716340	53.047	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.100%
36) 1,2-Dichloropropane-d6	6.690	67	244535	55.806	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.620%
41) Toluene-d8	7.896	98	600492	48.129	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.260%
43) trans-1,3-Dichloroprop...	8.179	79	93698	44.831	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.660%
47) 2-Hexanone-d5	8.632	63	156119	88.235	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.240%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	362130	47.286	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.580%
66) 1,2-Dichlorobenzene-d4	12.192	152	207666	53.465	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.940%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.559	101	2225	0.619	ug/L #	20
12) 1,1-Dichloroethene	2.562	96	1703	0.507	ug/L #	1
39) cis-1,3-Dichloropropene	7.562	75	5461	1.019	ug/L #	61
42) Toluene	7.967	91	696721	46.592	ug/L	99
44) trans-1,3-Dichloropropene	8.179	75	3867	0.713	ug/L #	81
52) Ethylbenzene	9.568	91	23621	1.481	ug/L	91
53) m,p-Xylene	9.690	106	27118	4.521	ug/L	94
54) o-Xylene	10.102	106	5123	0.854	ug/L	93
62) 1,3,5-Trimethylbenzene	11.465	105	22542	2.334	ug/L	96
63) 1,2,4-Trimethylbenzene	11.465	105	22542	2.329	ug/L	100
71) Naphthalene	14.089	128	24376	2.016	ug/L	99

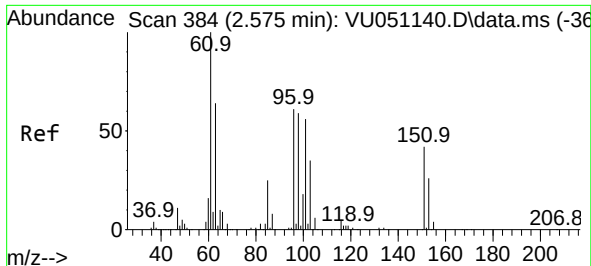
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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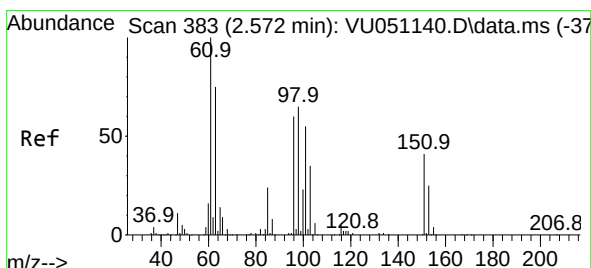
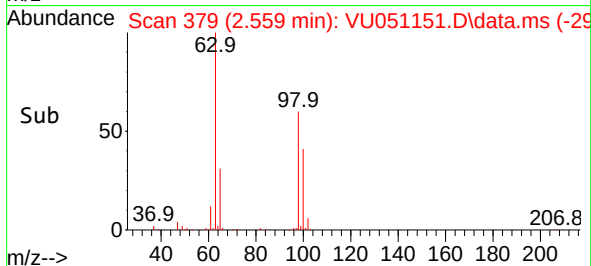
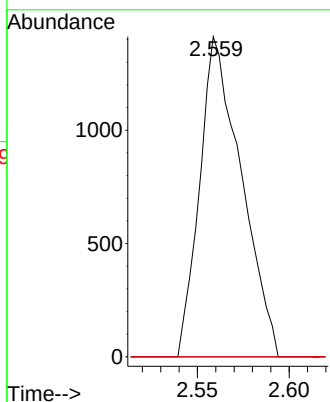
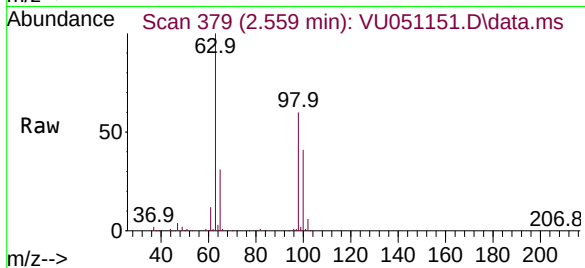




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.619 ug/L
 RT: 2.559 min Scan# 31
 Delta R.T. -0.016 min
 Lab File: VU051151.D
 Acq: 06 Oct 2022 01:28

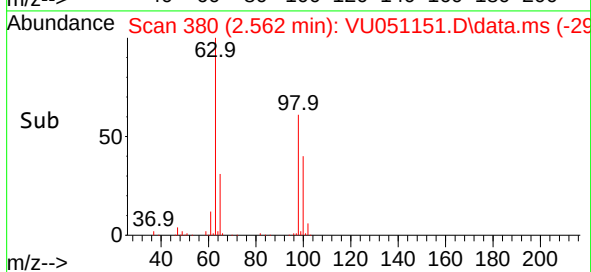
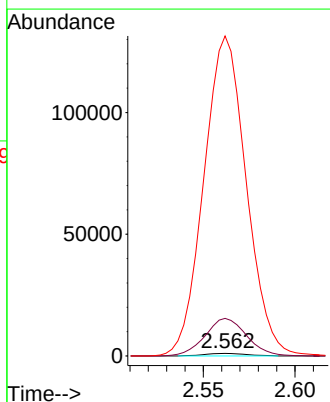
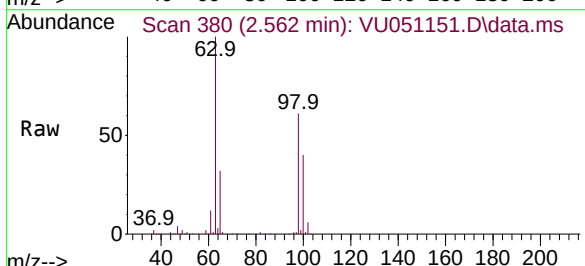
Instrument :
 MSVOA_U
 ClientSampleId :
 EY0E1

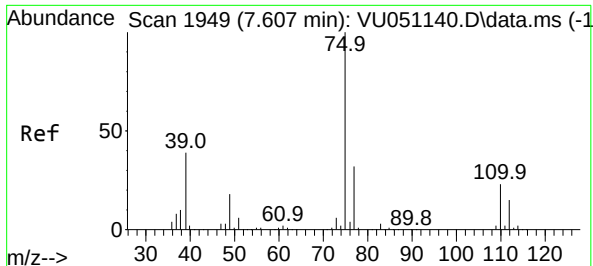
Tgt Ion:101 Resp: 2225
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 52.0#
 151 0.0 58.6 87.8#



#12
 1,1-Dichloroethene
 Concen: 0.507 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.010 min
 Lab File: VU051151.D
 Acq: 06 Oct 2022 01:28

Tgt Ion: 96 Resp: 1703
 Ion Ratio Lower Upper
 96 100
 61 1459.8 113.0 209.9#
 63 12436.7 91.7 170.3#





#39

cis-1,3-Dichloropropene

Concen: 1.019 ug/L

RT: 7.562 min Scan# 1949

Delta R.T. -0.045 min

Lab File: VU051151.D

Acq: 06 Oct 2022 01:28

Instrument :

MSVOA_U

ClientSampleId :

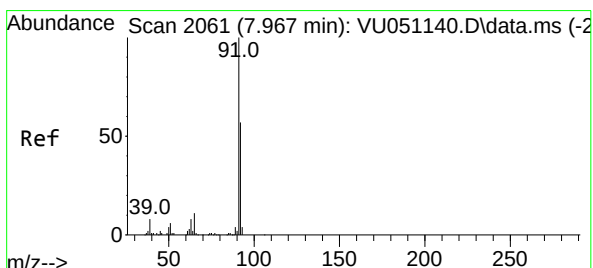
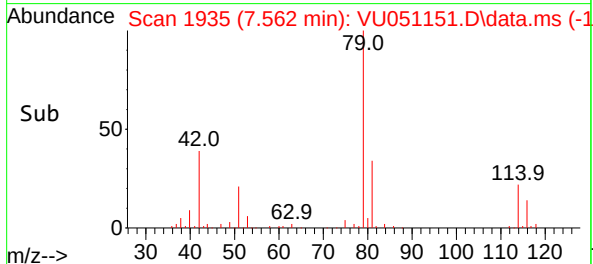
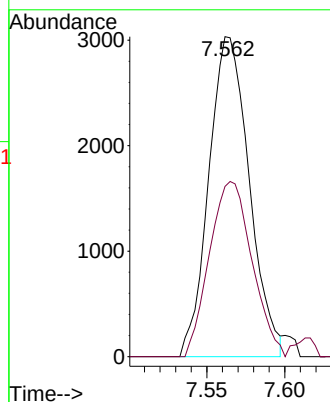
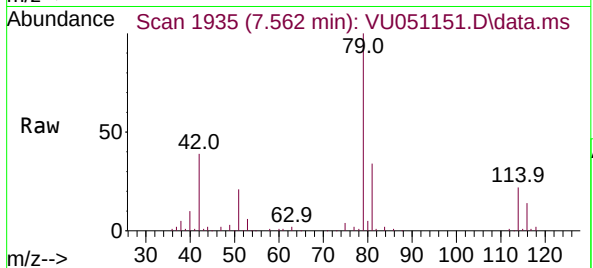
EY0E1

Tgt Ion: 75 Resp: 5461

Ion Ratio Lower Upper

75 100

77 53.2 22.0 41.0#



#42

Toluene

Concen: 46.592 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051151.D

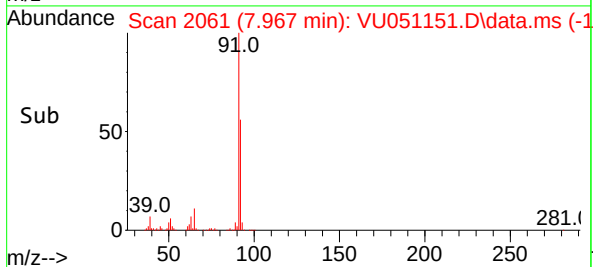
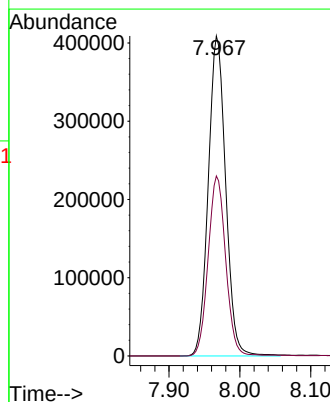
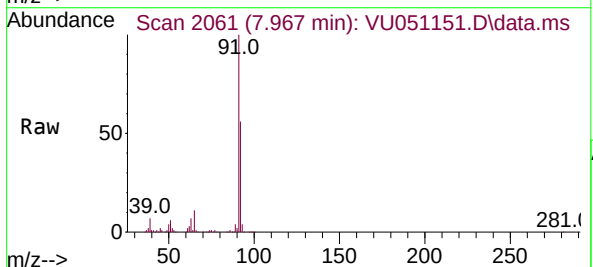
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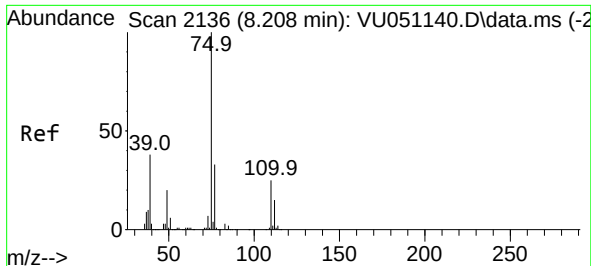
Tgt Ion: 91 Resp: 696721

Ion Ratio Lower Upper

91 100

92 56.3 40.1 74.5

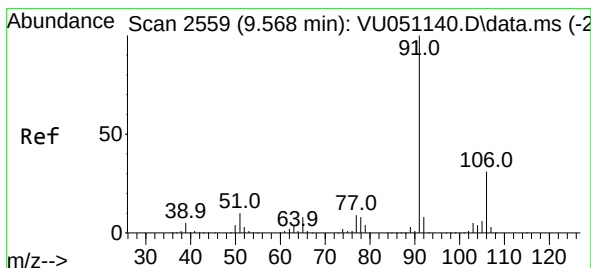
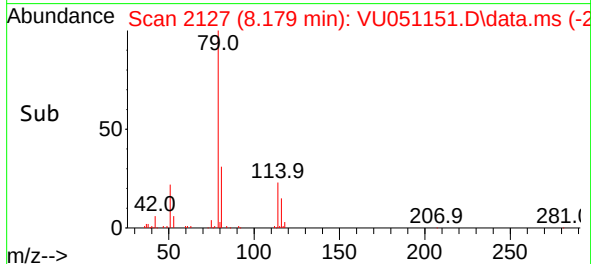
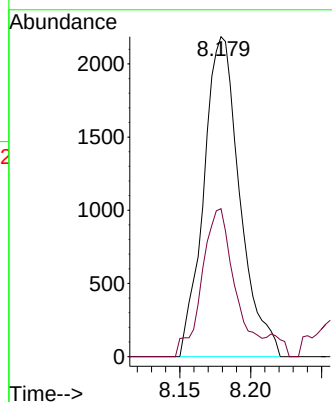
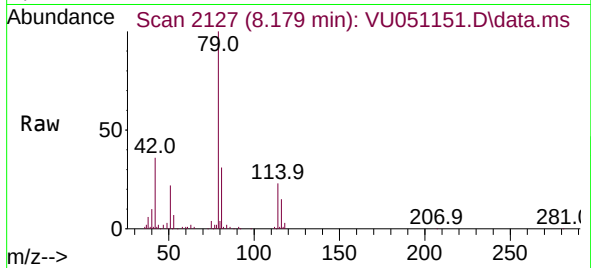




#44
trans-1,3-Dichloropropene
Concen: 0.713 ug/L
RT: 8.179 min Scan# 2136
Delta R.T. -0.029 min
Lab File: VU051151.D
Acq: 06 Oct 2022 01:28

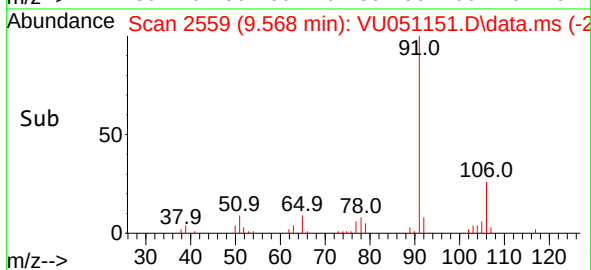
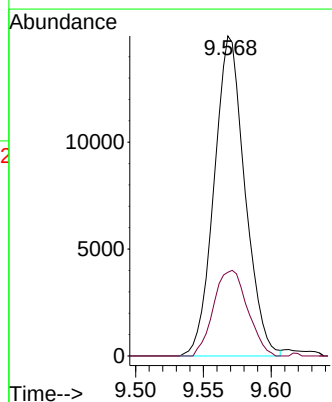
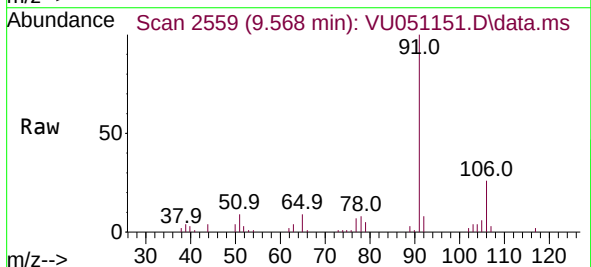
Instrument :
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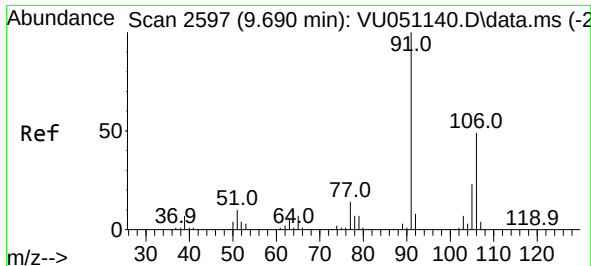
Tgt Ion: 75 Resp: 3867
Ion Ratio Lower Upper
75 100
77 43.2 22.7 42.3#



#52
Ethylbenzene
Concen: 1.481 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051151.D
Acq: 06 Oct 2022 01:28

Tgt Ion: 91 Resp: 23621
Ion Ratio Lower Upper
91 100
106 26.2 21.7 40.3

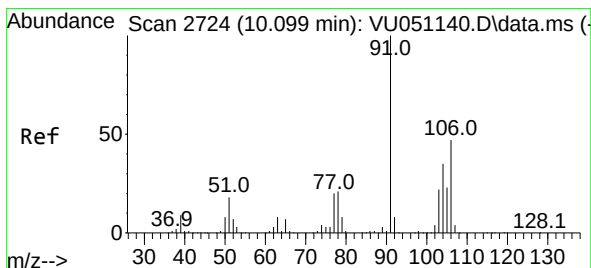
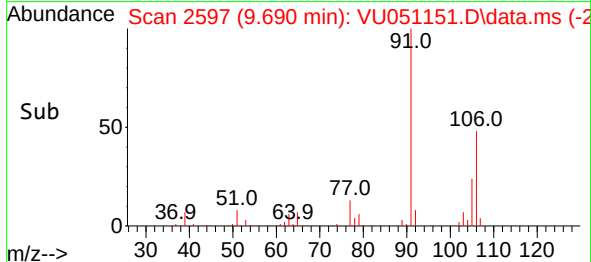
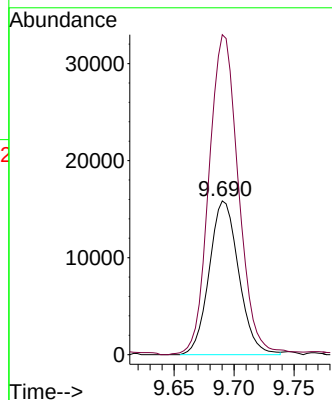
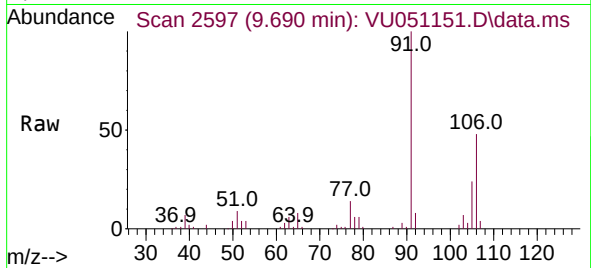




#53
m,p-Xylene
Concen: 4.521 ug/L
RT: 9.690 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051151.D
Acq: 06 Oct 2022 01:28

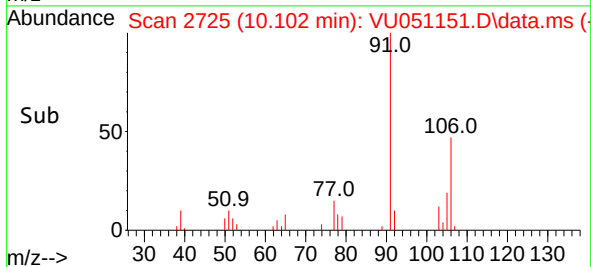
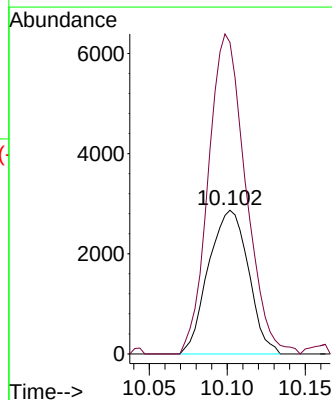
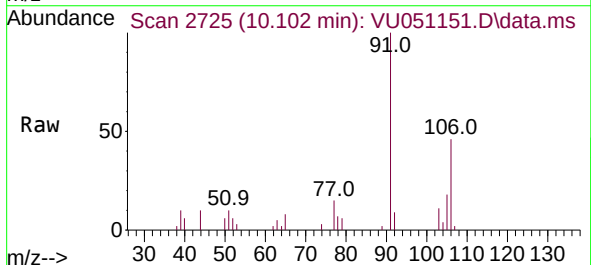
Instrument :
MSVOA_U
ClientSampleId :
EY0E1

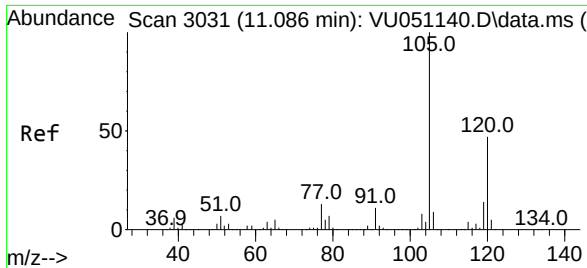
Tgt Ion:106 Resp: 27118
Ion Ratio Lower Upper
106 100
91 193.4 141.9 263.5



#54
o-Xylene
Concen: 0.854 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU051151.D
Acq: 06 Oct 2022 01:28

Tgt Ion:106 Resp: 5123
Ion Ratio Lower Upper
106 100
91 206.6 152.4 283.0

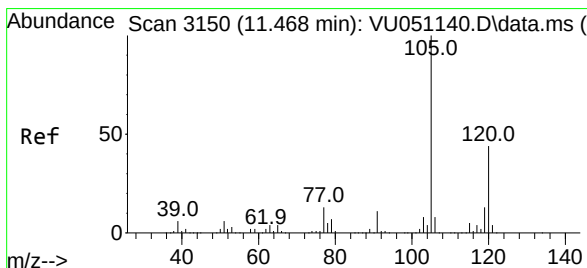
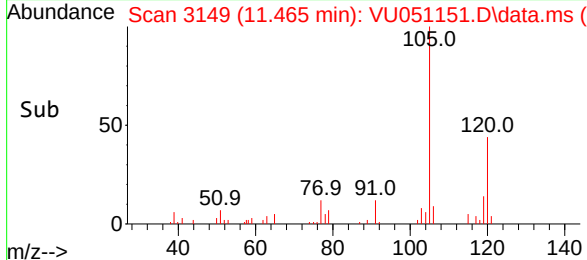
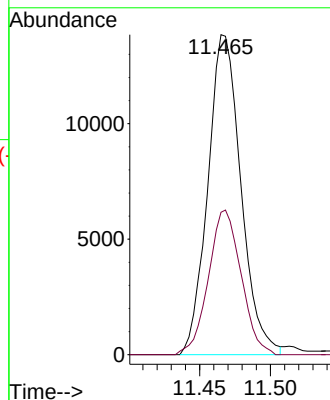
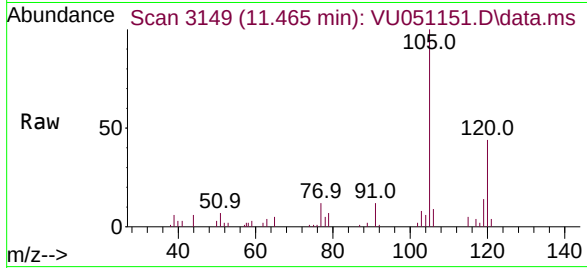




#62
 1,3,5-Trimethylbenzene
 Concen: 2.334 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. 0.379 min
 Lab File: VU051151.D
 Acq: 06 Oct 2022 01:28

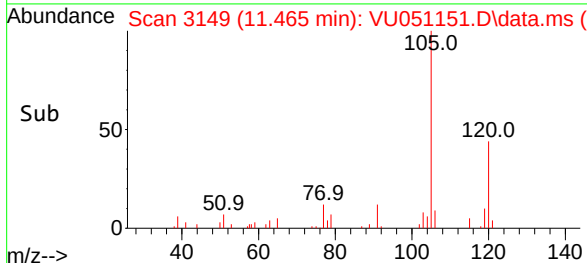
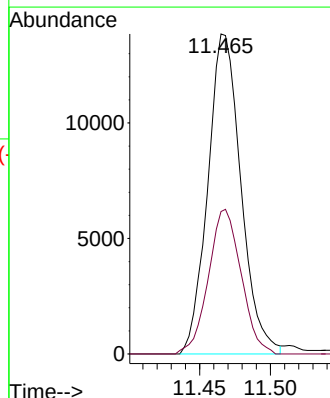
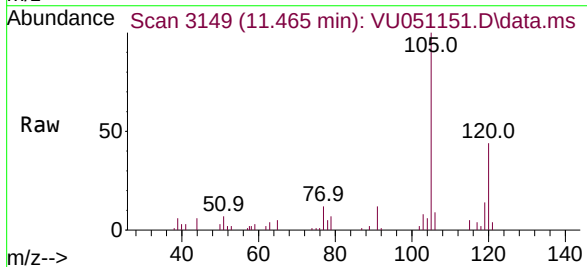
Instrument :
 MSVOA_U
 ClientSampleId :
 EY0E1

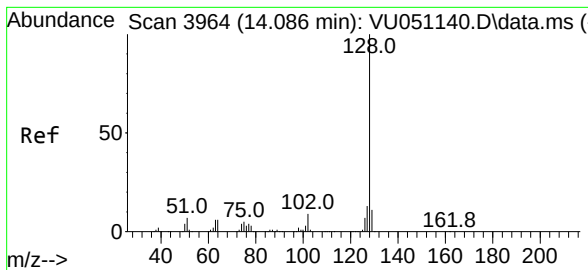
Tgt Ion:105 Resp: 22542
 Ion Ratio Lower Upper
 105 100
 120 44.6 37.8 56.8



#63
 1,2,4-Trimethylbenzene
 Concen: 2.329 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.003 min
 Lab File: VU051151.D
 Acq: 06 Oct 2022 01:28

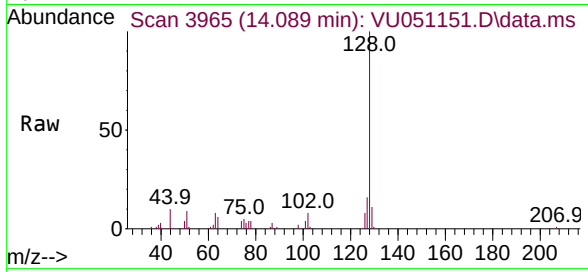
Tgt Ion:105 Resp: 22542
 Ion Ratio Lower Upper
 105 100
 120 44.6 35.5 53.3





#71
Naphthalene
Concen: 2.016 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU051151.D
Acq: 06 Oct 2022 01:28

Instrument :
MSVOA_U
ClientSampleId :
EY0E1



Tgt Ion:	128	Resp:	24376
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.7	16.1
129	11.4	8.6	13.0

