

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120721\
 Data File : VU046143.D
 Acq On : 07 Dec 2021 16:10
 Operator : SY/MD
 Sample : M4960-04 10X
 Misc : 6.90g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BGKR9

Quant Time: Dec 08 04:53:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

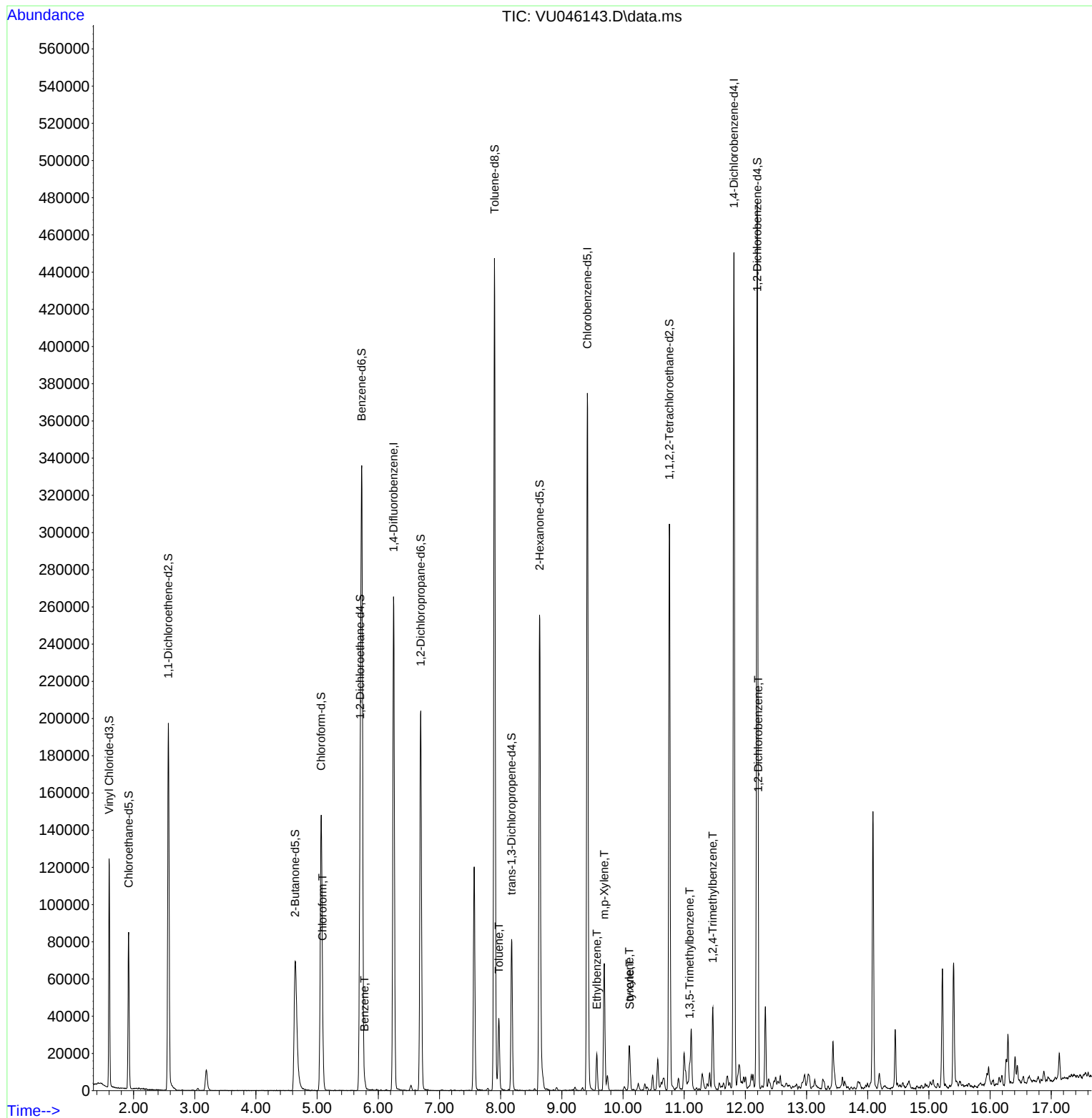
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	220523	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	214865	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	119109	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	85460	47.045	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.100%
7) Chloroethane-d5	1.919	69	63072	45.221	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.440%
11) 1,1-Dichloroethene-d2	2.568	63	116862	35.836	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.680%
21) 2-Butanone-d5	4.642	46	131990	91.401	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.400%
24) Chloroform-d	5.067	84	136688	45.059	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.120%
26) 1,2-Dichloroethane-d4	5.703	65	97887	48.082	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.160%
32) Benzene-d6	5.729	84	324853	52.750	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.500%
36) 1,2-Dichloropropane-d6	6.694	67	98254	51.480	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.960%
41) Toluene-d8	7.899	98	298135	53.170	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.340%
43) trans-1,3-Dichloroprop...	8.179	79	47892	51.981	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.960%
47) 2-Hexanone-d5	8.636	63	100730	111.312	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.310%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	148221	51.208	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.420%
66) 1,2-Dichlorobenzene-d4	12.195	152	124266	54.174	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.340%
Target Compounds						Qvalue
25) Chloroform	5.089	83	14426	4.425	ug/L	98
33) Benzene	5.774	78	3868	0.595	ug/L	100
42) Toluene	7.970	91	27793	3.983	ug/L	94
52) Ethylbenzene	9.571	91	14231	1.895	ug/L	95
53) m,p-Xylene	9.694	106	20859	7.122	ug/L	96
54) o-xylene	10.102	106	5843	2.056	ug/L	97
55) Styrene	10.112	104	3543	0.730	ug/L	84
62) 1,3,5-Trimethylbenzene	11.089	105	7523	1.165	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	23342	3.612	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	3985	1.075	ug/L	87

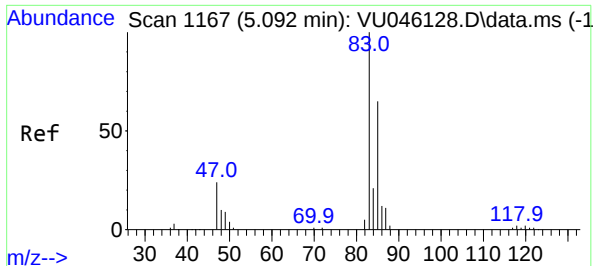
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 08 04:53:52 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration





#25

Chloroform

Concen: 4.425 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU046143.D

Acq: 07 Dec 2021 16:10

Instrument :

MSVOA_U

ClientSampleId :

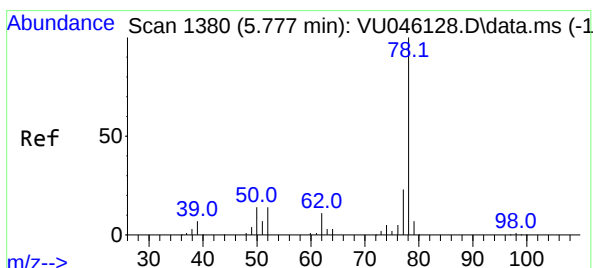
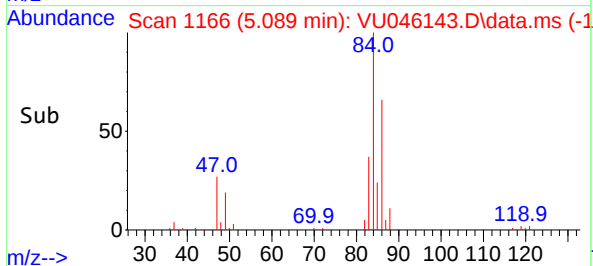
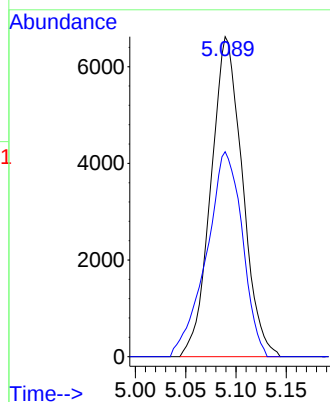
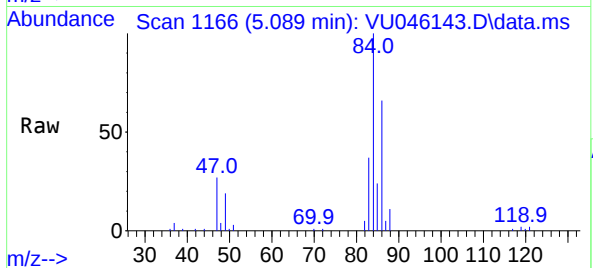
BGKR9

Tgt Ion: 83 Resp: 14426

Ion Ratio Lower Upper

83 100

85 64.1 45.8 85.2



#33

Benzene

Concen: 0.595 ug/L

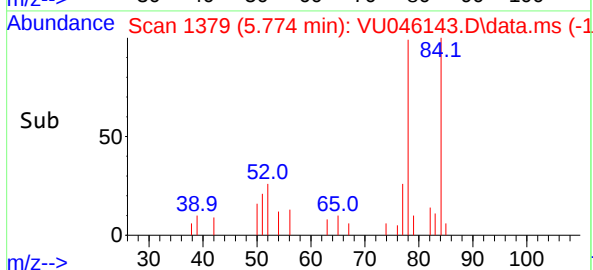
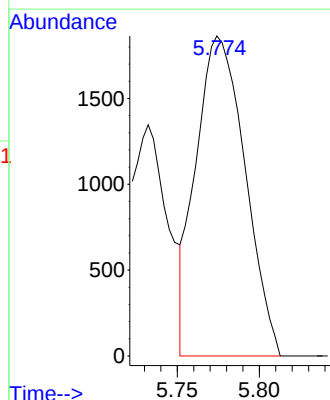
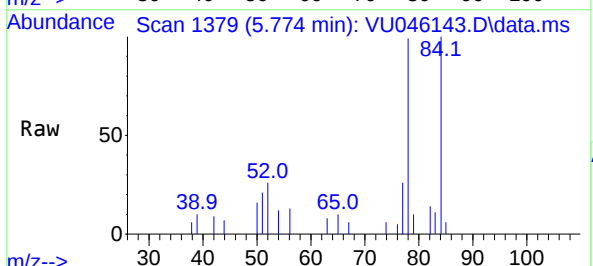
RT: 5.774 min Scan# 1379

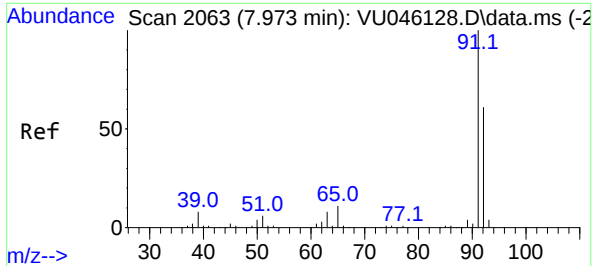
Delta R.T. -0.006 min

Lab File: VU046143.D

Acq: 07 Dec 2021 16:10

Tgt Ion: 78 Resp: 3868





#42

Toluene

Concen: 3.983 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046143.D

Acq: 07 Dec 2021 16:10

Instrument :

MSVOA_U

ClientSampleId :

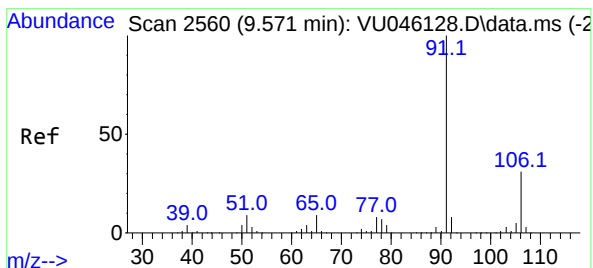
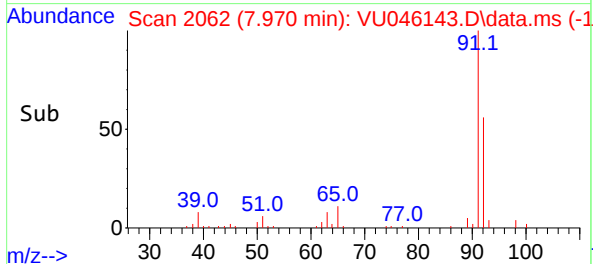
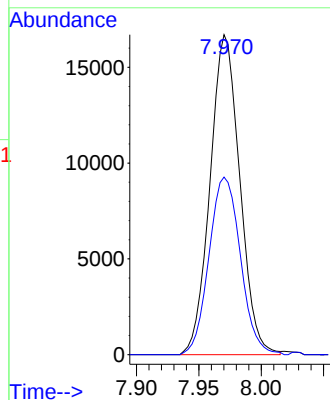
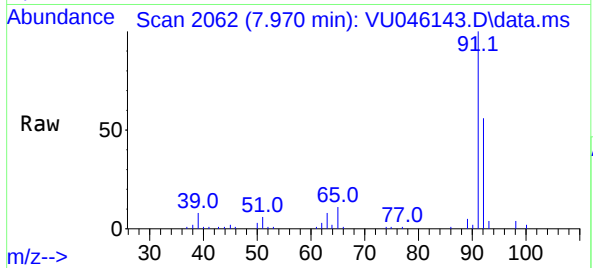
BGKR9

Tgt Ion: 91 Resp: 27793

Ion Ratio Lower Upper

91 100

92 55.5 41.9 77.7



#52

Ethylbenzene

Concen: 1.895 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. -0.003 min

Lab File: VU046143.D

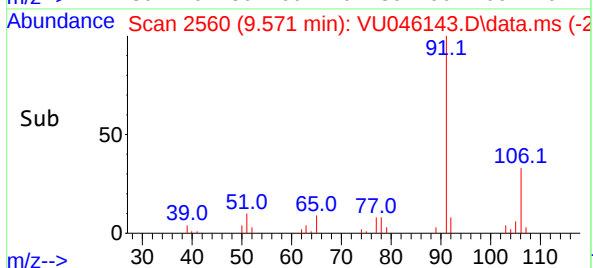
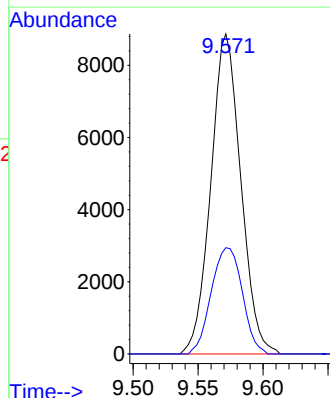
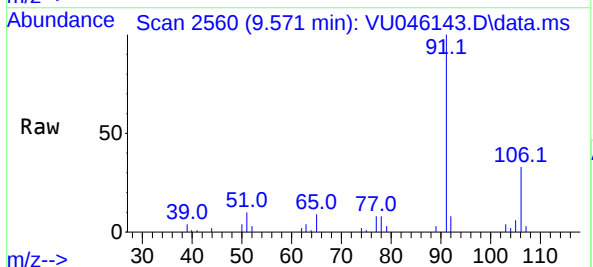
Acq: 07 Dec 2021 16:10

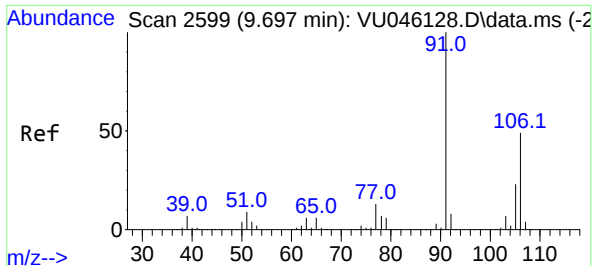
Tgt Ion: 91 Resp: 14231

Ion Ratio Lower Upper

91 100

106 33.2 21.1 39.3





#53

m,p-Xylene

Concen: 7.122 ug/L

RT: 9.694 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU046143.D

Acq: 07 Dec 2021 16:10

Instrument :

MSVOA_U

ClientSampleId :

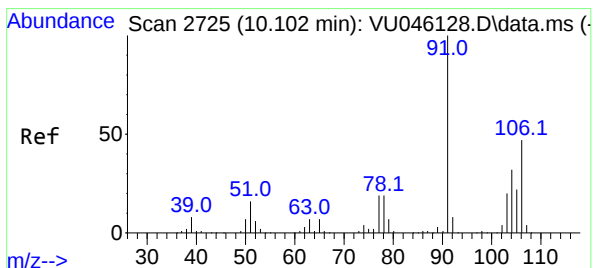
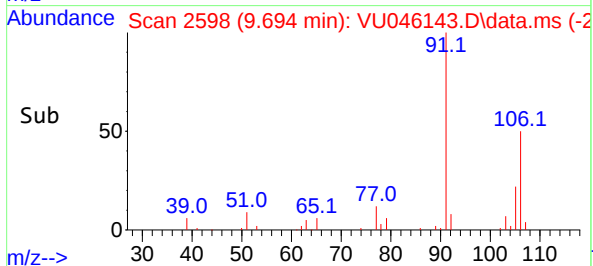
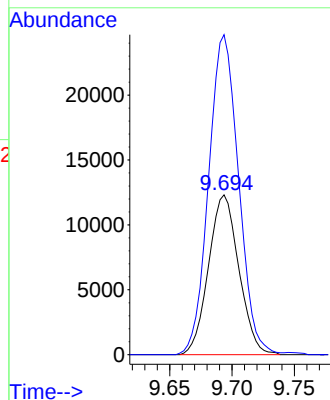
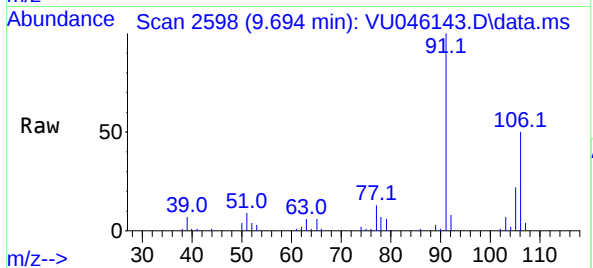
BGKR9

Tgt Ion:106 Resp: 20859

Ion Ratio Lower Upper

106 100

91 200.1 144.3 268.1



#54

o-xylene

Concen: 2.056 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. -0.003 min

Lab File: VU046143.D

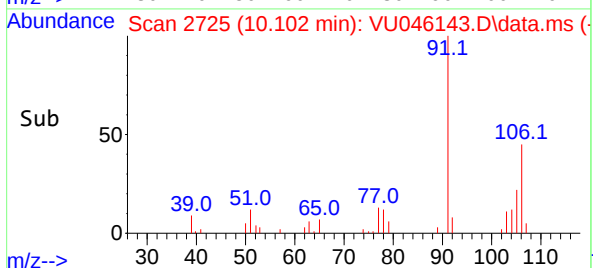
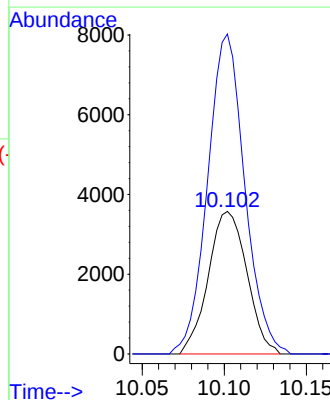
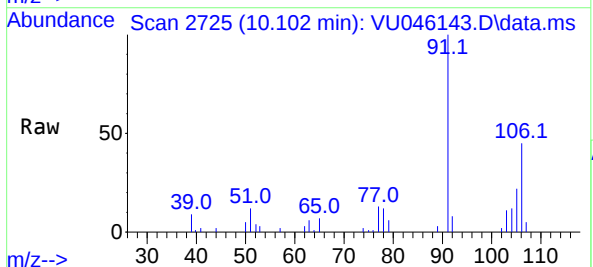
Acq: 07 Dec 2021 16:10

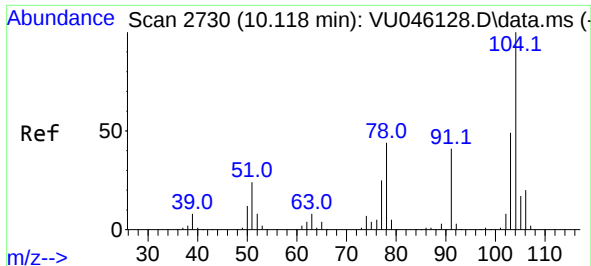
Tgt Ion:106 Resp: 5843

Ion Ratio Lower Upper

106 100

91 224.6 154.2 286.4

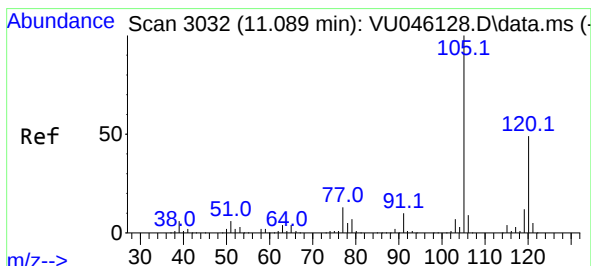
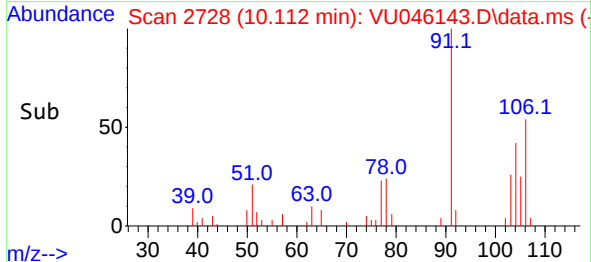
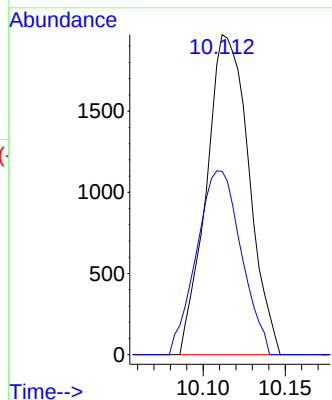
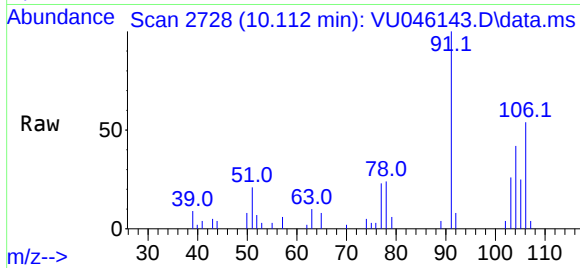




#55
Styrene
Concen: 0.730 ug/L
RT: 10.112 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU046143.D
Acq: 07 Dec 2021 16:10

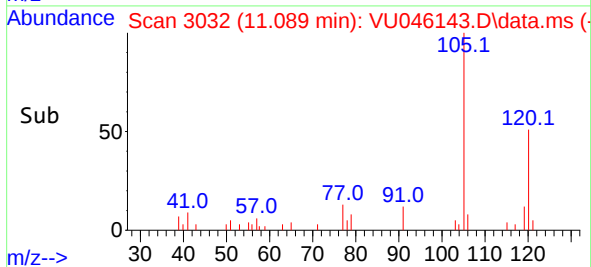
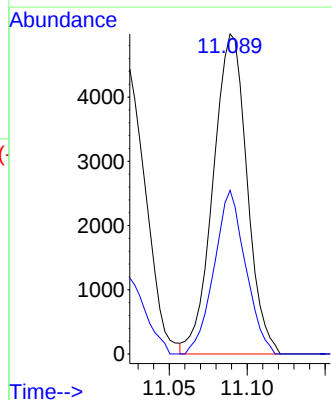
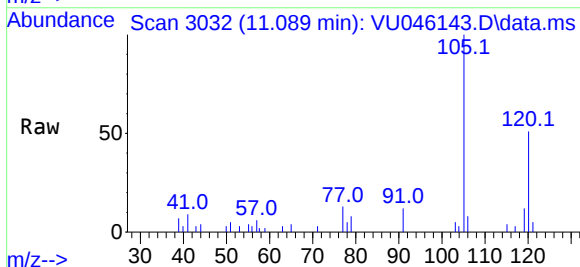
Instrument :
MSVOA_U
ClientSampleId :
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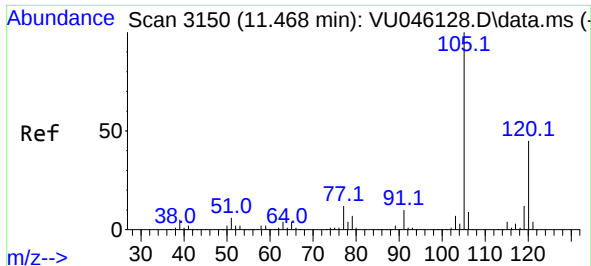
Tgt Ion:104 Resp: 3543
Ion Ratio Lower Upper
104 100
78 57.3 32.6 60.5



#62
1,3,5-Trimethylbenzene
Concen: 1.165 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU046143.D
Acq: 07 Dec 2021 16:10

Tgt Ion:105 Resp: 7523
Ion Ratio Lower Upper
105 100
120 47.5 37.8 56.6

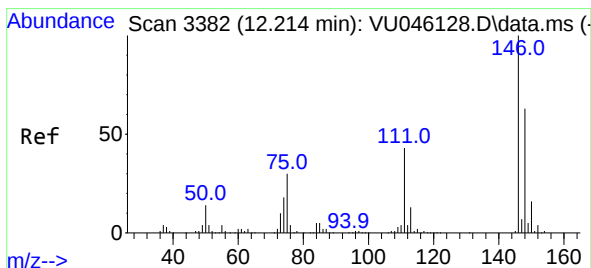
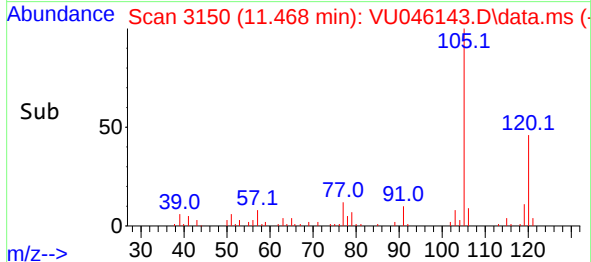
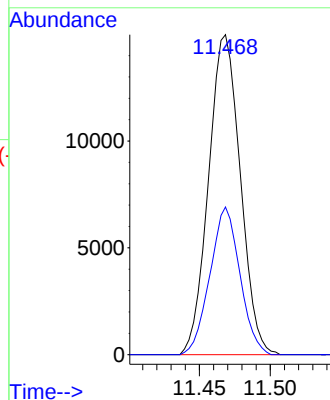
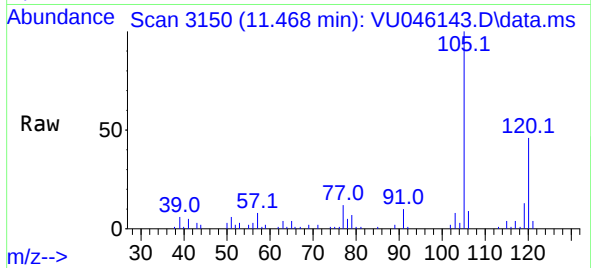




#63
1,2,4-Trimethylbenzene
Concen: 3.612 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU046143.D
Acq: 07 Dec 2021 16:10

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:105 Resp: 23342
Ion Ratio Lower Upper
105 100
120 43.5 35.2 52.8



#67
1,2-Dichlorobenzene
Concen: 1.075 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.003 min
Lab File: VU046143.D
Acq: 07 Dec 2021 16:10

Tgt Ion:146 Resp: 3985
Ion Ratio Lower Upper
146 100
111 52.8 35.7 53.5
148 53.4 51.2 76.8

