

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101221\
 Data File : VU045294.D
 Acq On : 12 Oct 2021 16:10
 Operator : SY/MD
 Sample : M4070-09ME
 Misc : 2.53g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW7E6ME

Quant Time: Oct 13 02:54:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 13 02:48:52 2021
 Response via : Initial Calibration

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

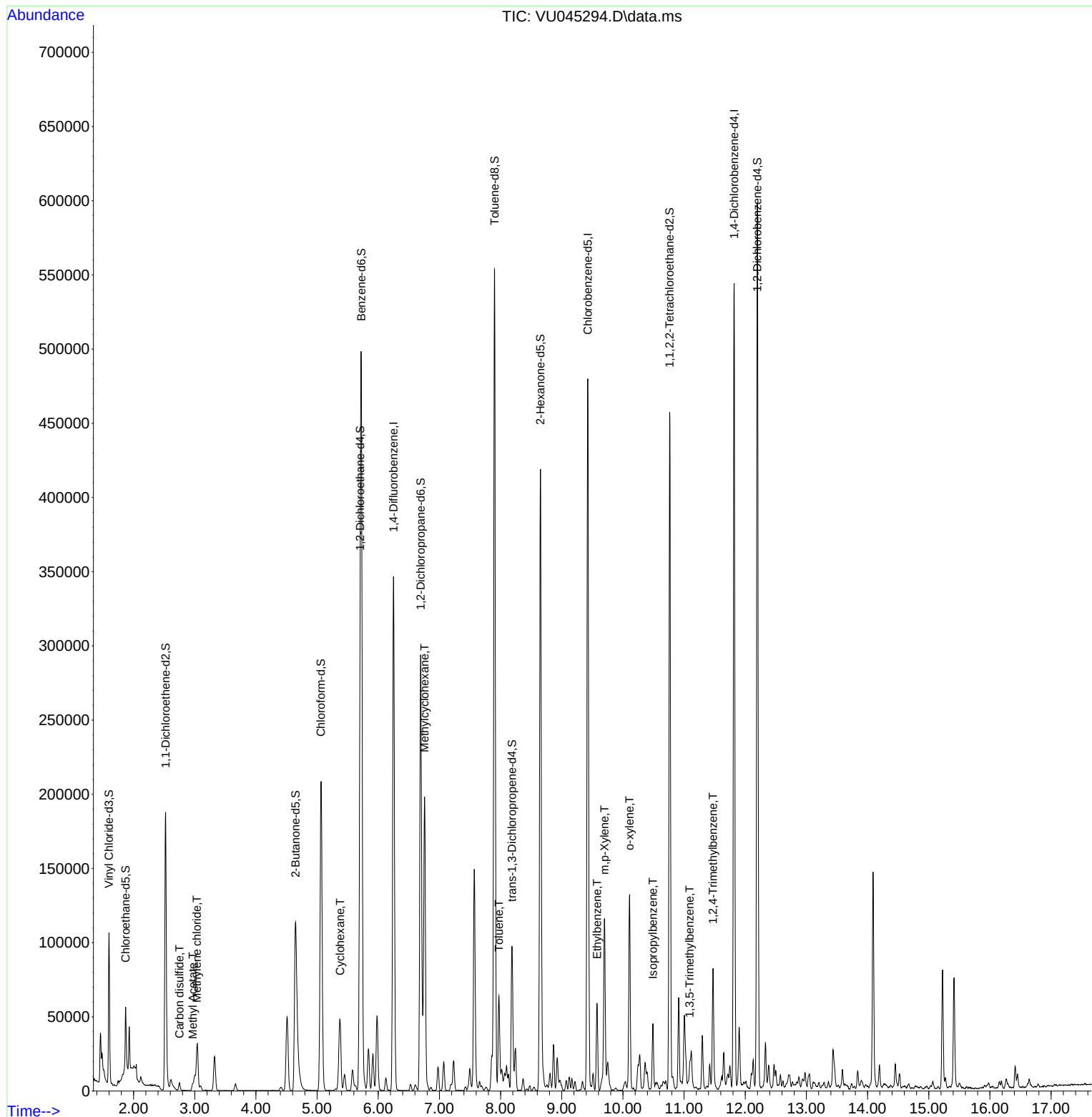
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	288533	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.426	117	276144	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	131040	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	78179	24.751	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	49.500%#		
7) Chloroethane-d5	1.871	69	28991	11.583	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	23.160%#		
11) 1,1-Dichloroethene-d2	2.523	63	126118	23.776	ug/L	-0.04
Spiked Amount 50.000	Range 60 - 125		Recovery =	47.560%#		
21) 2-Butanone-d5	4.649	46	224562	89.929	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	89.930%		
24) Chloroform-d	5.063	84	200581	40.207	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.420%		
26) 1,2-Dichloroethane-d4	5.703	65	146222	43.272	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.540%		
32) Benzene-d6	5.722	84	414867	43.296	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.600%		
36) 1,2-Dichloropropane-d6	6.693	67	142386	45.572	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.140%		
41) Toluene-d8	7.902	98	362643	43.855	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.700%		
43) trans-1,3-Dichloroprop...	8.185	79	59890	43.092	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.180%		
47) 2-Hexanone-d5	8.652	63	156964	90.655	ug/L	0.01
Spiked Amount 100.000	Range 45 - 130		Recovery =	90.650%		
56) 1,1,2,2-Tetrachloroeth...	10.764	84	228983	47.065	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.120%		
66) 1,2-Dichlorobenzene-d4	12.198	152	137866	48.344	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.680%		
Target Compounds						Qvalue
14) Carbon disulfide	2.752	76	6958	0.972	ug/L	100
15) Methyl Acetate	2.970	43	5152	1.447	ug/L	96
16) Methylene chloride	3.034	84	2772	0.979	ug/L #	84
29) Cyclohexane	5.375	56	24265	5.846	ug/L	96
35) Methylcyclohexane	6.758	83	79272	19.247	ug/L	97
42) Toluene	7.973	91	47657	4.580	ug/L	100
52) Ethylbenzene	9.578	91	42673	3.882	ug/L	98
53) m,p-Xylene	9.700	106	32507	7.806	ug/L	99
54) o-xylene	10.108	106	35464	8.666	ug/L	96
61) Isopropylbenzene	10.491	105	27898	2.909	ug/L	98
62) 1,3,5-Trimethylbenzene	11.092	105	8227	1.027	ug/L	97
63) 1,2,4-Trimethylbenzene	11.475	105	41464	5.056	ug/L	98

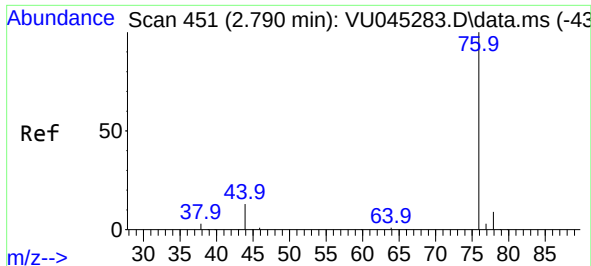
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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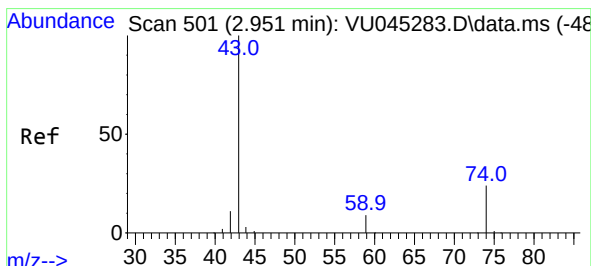
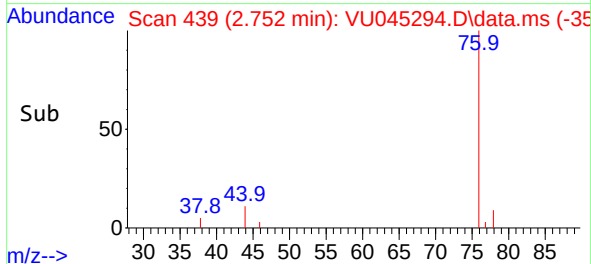
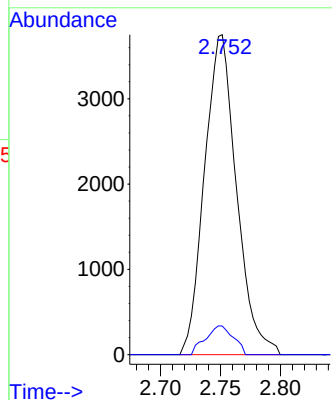
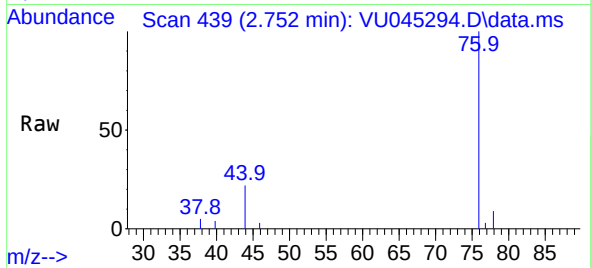




#14
Carbon disulfide
Concen: 0.972 ug/L
RT: 2.752 min Scan# 439
Delta R.T. -0.039 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

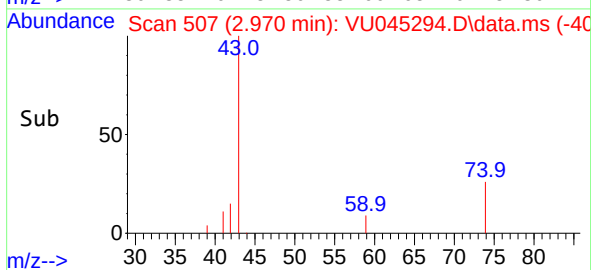
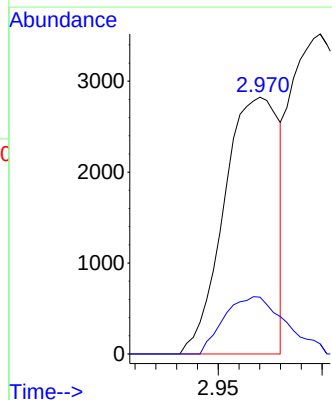
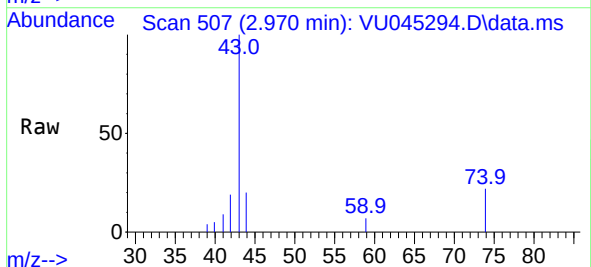
Instrument :
MSVOA_U
ClientSampleId :
EW7E6ME

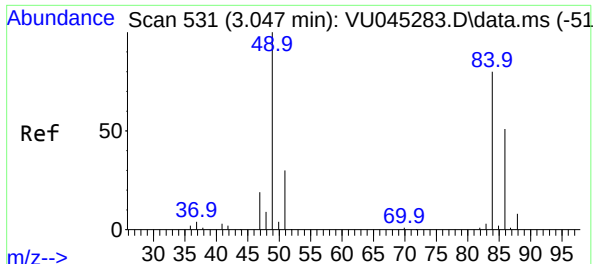
Tgt Ion: 76 Resp: 6958
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#15
Methyl Acetate
Concen: 1.447 ug/L
RT: 2.970 min Scan# 507
Delta R.T. 0.019 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion: 43 Resp: 5152
Ion Ratio Lower Upper
43 100
74 25.1 18.4 27.6

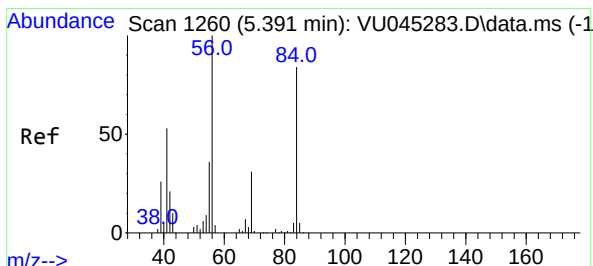
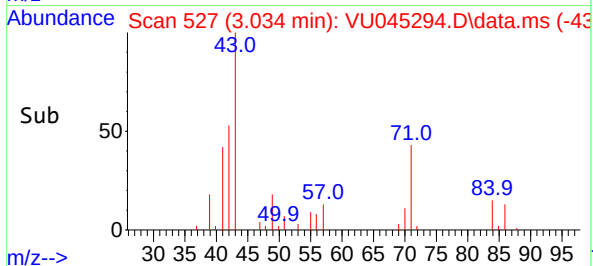
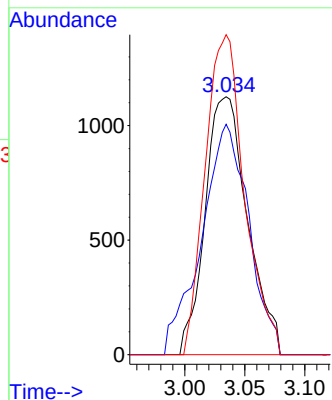
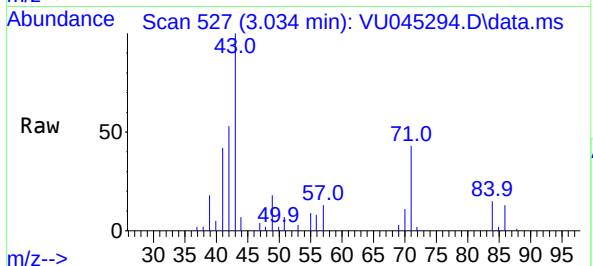




#16
Methylene chloride
Concen: 0.979 ug/L
RT: 3.034 min Scan# 527
Delta R.T. -0.013 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

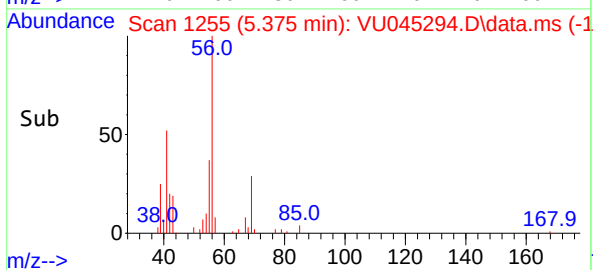
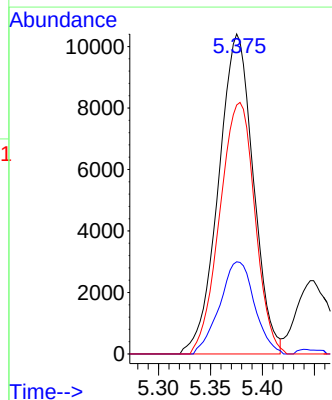
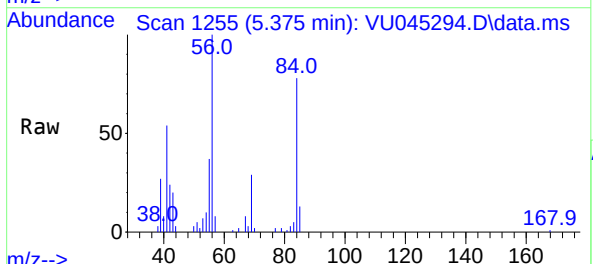
Instrument :
MSVOA_U
ClientSampleId :
EW7E6ME

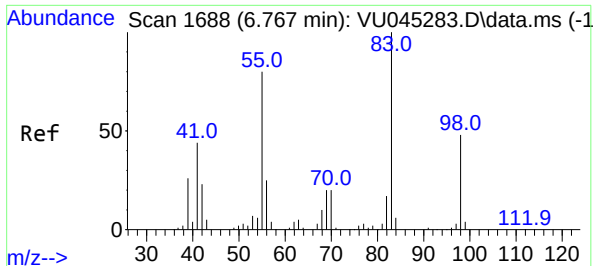
Tgt Ion: 84 Resp: 2772
Ion Ratio Lower Upper
84 100
86 89.3 44.7 83.1#
49 124.1 92.9 172.5



#29
Cyclohexane
Concen: 5.846 ug/L
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion: 56 Resp: 24265
Ion Ratio Lower Upper
56 100
69 28.8 23.8 35.8
84 79.2 66.8 100.2

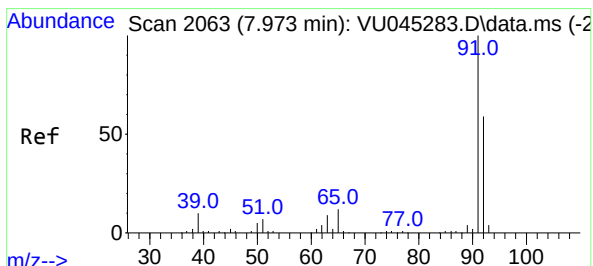
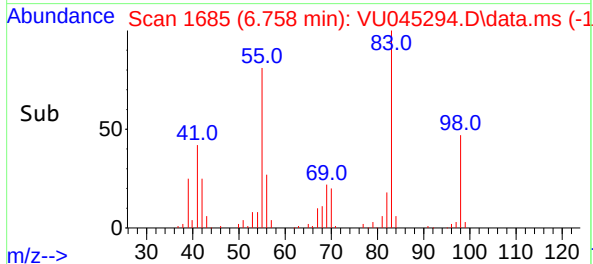
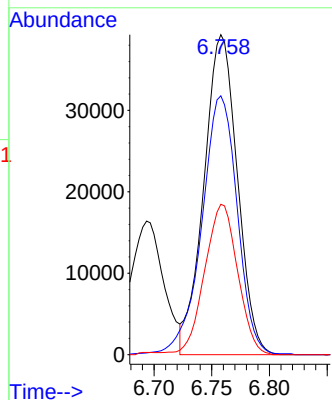
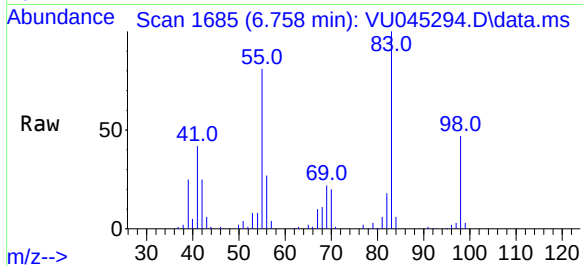




#35
Methylcyclohexane
Concen: 19.247 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.010 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

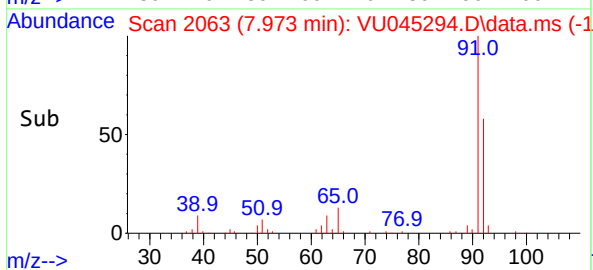
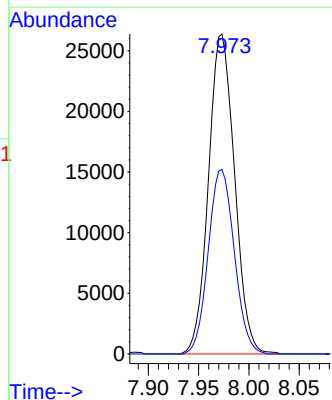
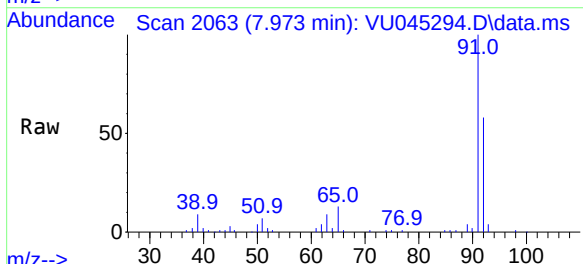
Instrument :
MSVOA_U
ClientSampled :
EW7E6ME

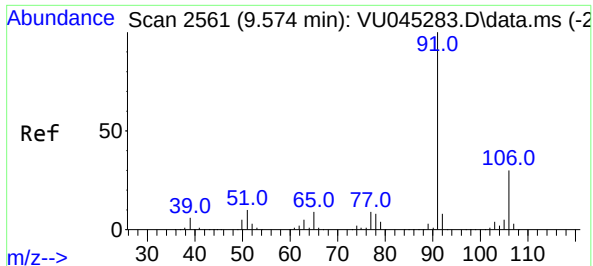
Tgt Ion:	83	Resp:	79272
Ion	Ratio	Lower	Upper
83	100		
55	85.9	65.8	98.6
98	46.2	37.1	55.7



#42
Toluene
Concen: 4.580 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion:	91	Resp:	47657
Ion	Ratio	Lower	Upper
91	100		
92	57.7	40.5	75.1

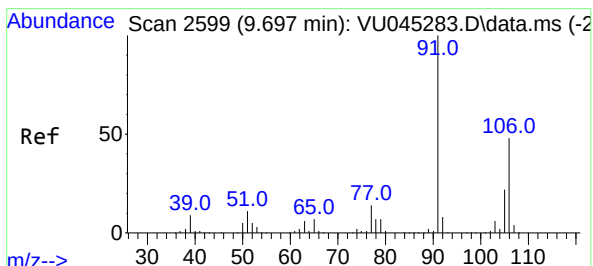
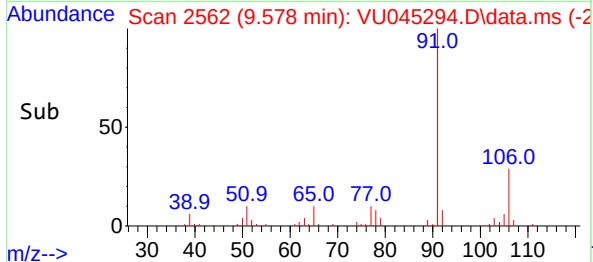
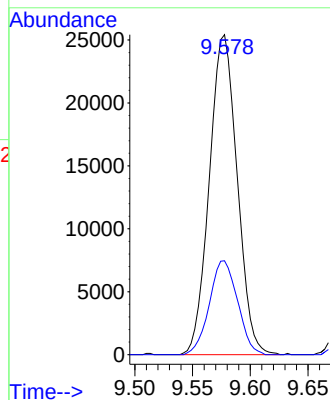
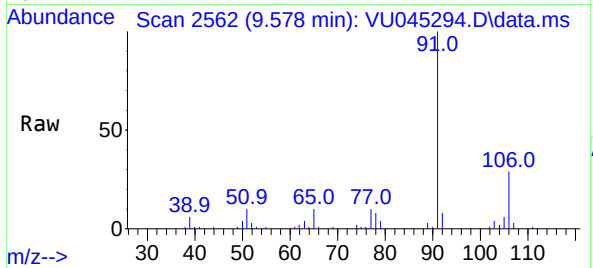




#52
Ethylbenzene
Concen: 3.882 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. 0.003 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

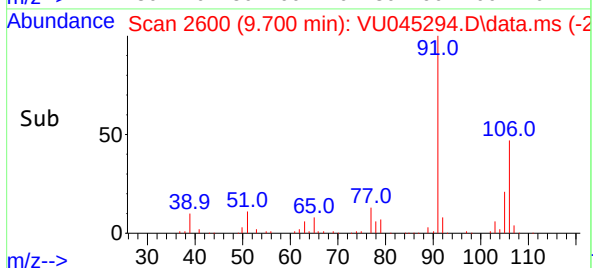
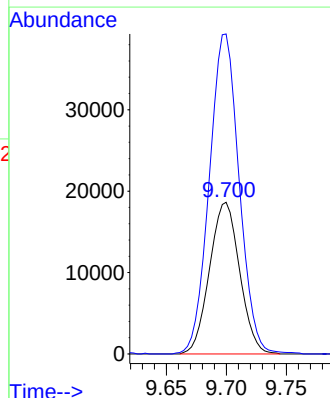
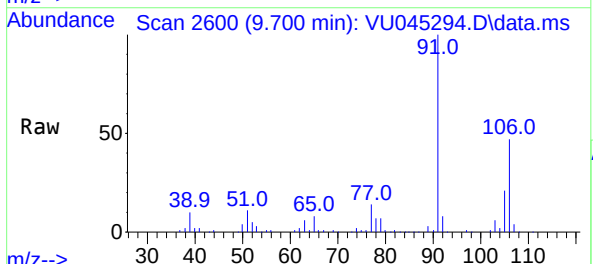
Instrument :
MSVOA_U
ClientSampled :
EW7E6ME

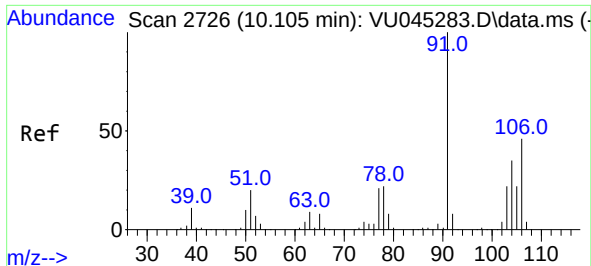
Tgt Ion: 91 Resp: 42673
Ion Ratio Lower Upper
91 100
106 29.4 21.2 39.4



#53
m,p-Xylene
Concen: 7.806 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.003 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion: 106 Resp: 32507
Ion Ratio Lower Upper
106 100
91 210.9 146.7 272.4

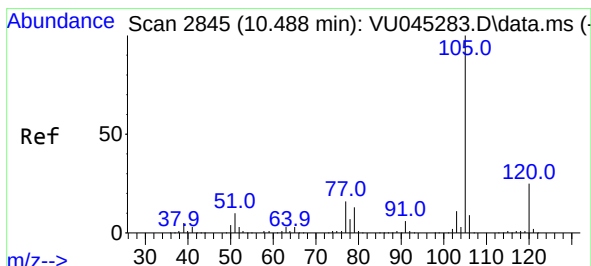
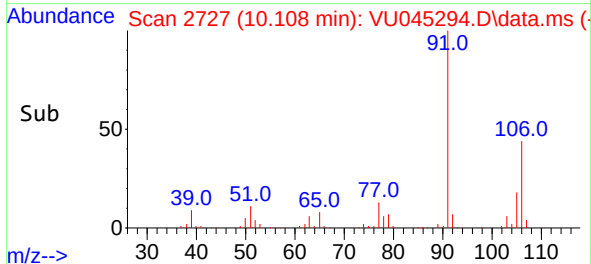
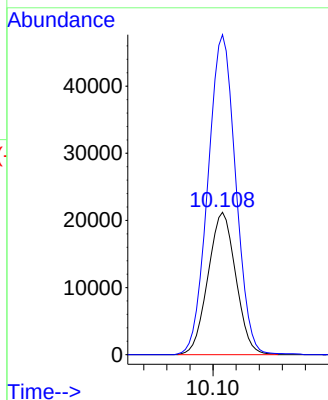
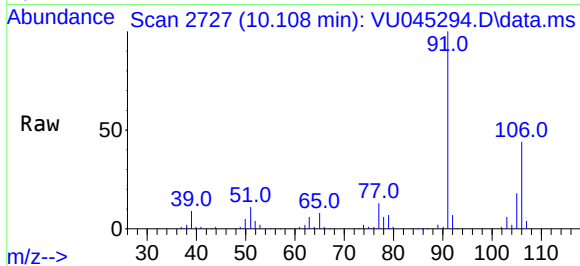




#54
o-xylene
Concen: 8.666 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.003 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

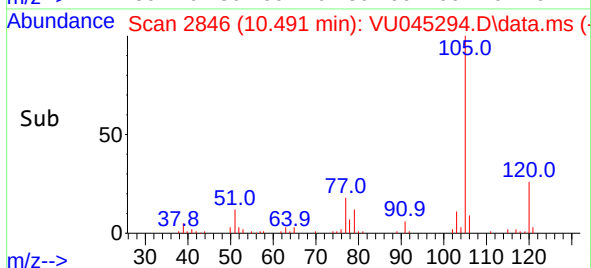
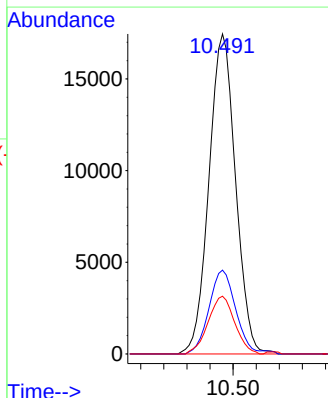
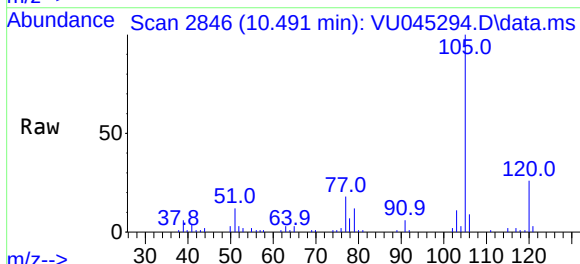
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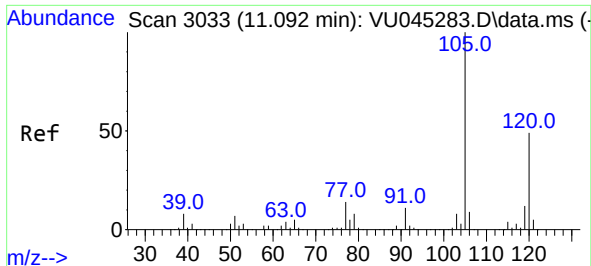
Tgt Ion:106 Resp: 35464
Ion Ratio Lower Upper
106 100
91 224.8 152.9 283.9



#61
Isopropylbenzene
Concen: 2.909 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. 0.003 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion:105 Resp: 27898
Ion Ratio Lower Upper
105 100
120 26.1 20.5 30.7
77 18.1 13.5 20.3

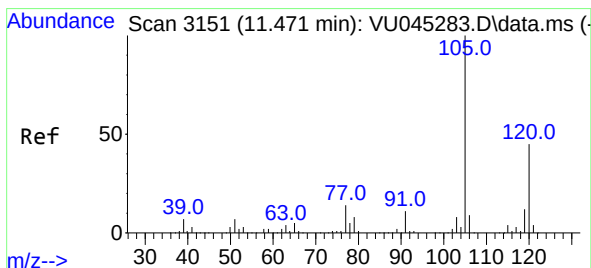
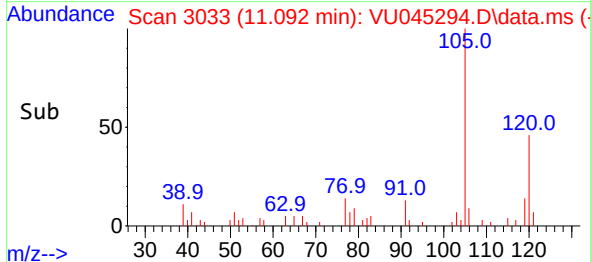
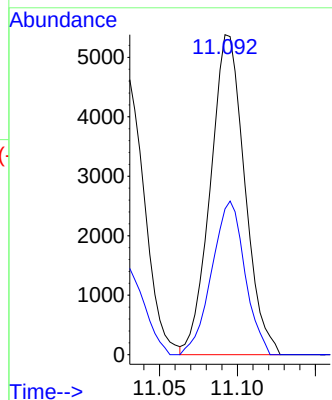
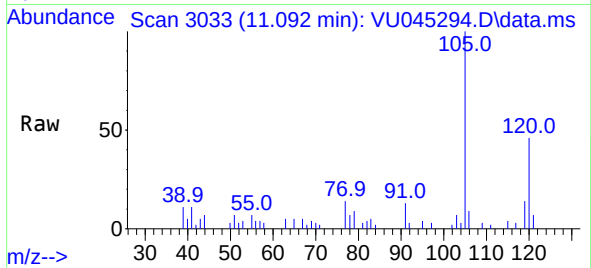




#62
1,3,5-Trimethylbenzene
Concen: 1.027 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.000 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:105 Resp: 8227
Ion Ratio Lower Upper
105 100
120 46.4 38.8 58.2



#63
1,2,4-Trimethylbenzene
Concen: 5.056 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion:105 Resp: 41464
Ion Ratio Lower Upper
105 100
120 45.6 35.7 53.5

